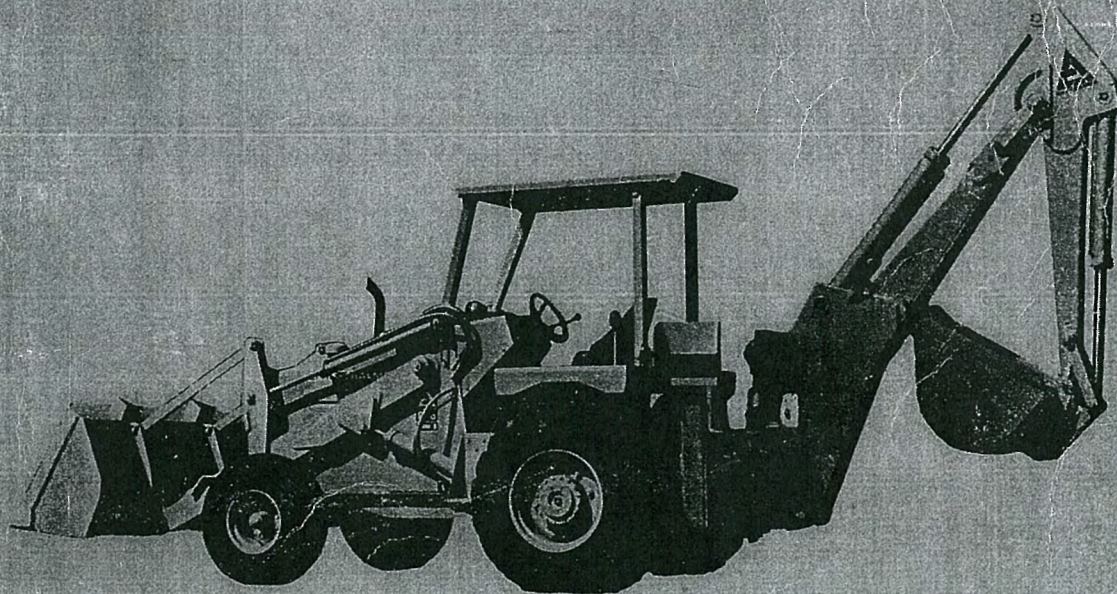




15,500  
LBS  
SHIP WT

**PARTS CATALOG**  
**816 & 816B**  
**LOADER - BACKHOE**  
**(REVISED EDITION)**

**2**



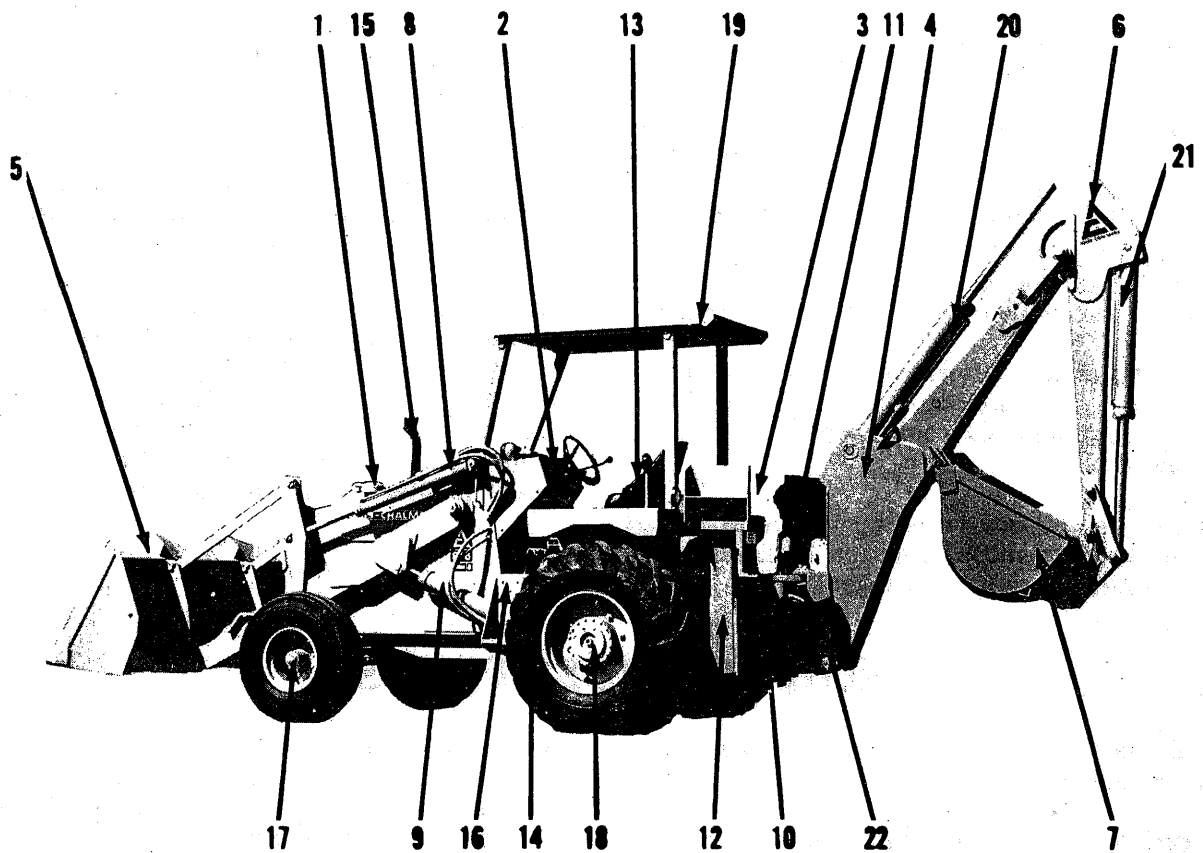
LIT. IN U.S.A.

**INDUSTRIAL TRACTOR DIVISION**  
BOX 521 TOPEKA, KANSAS 66601

(4/74)

1008925  
FORM TP

## GENERAL DESCRIPTION



- |                           |                                     |
|---------------------------|-------------------------------------|
| 1. AIR CLEANER (INTAKE)   | 12. STABILIZER                      |
| 2. CONTROL PANEL          | 13. SEAT                            |
| 3. CONTROLS (BACKHOE)     | 14. PEDAL CONTROLS                  |
| 4. BACKHOE BOOM           | 15. MUFFLER                         |
| 5. LOADER BUCKET          | 16. BATTERY LOCATION (BEHIND FRAME) |
| 6. BACKHOE DIPPERSTICK    | 17. FRONT AXLE AND TIRE             |
| 7. BACKHOE BUCKET         | 18. REAR AXLE AND TIRE              |
| 8. DUMP CYLINDER (LOADER) | 19. R.O.P.S. CANOPY                 |
| 9. LOADER CYLINDER        | 20. DIPPERSTICK CYLINDER            |
| 10. SWING CYLINDER        | 21. BUCKET CYLINDER                 |
| 11. STABILIZER CYLINDER   | 22. SWING FRAME                     |

### L. H. & R. H. SIDE OF LOADER AND BACKHOE

THE L. H. & R. H. SIDE OF THIS EQUIPMENT IS DESIGNATED BY THE OPERATOR SITTING IN THE OPERATOR'S SEAT, FACING THE DIRECTION OF FORWARD TRAVEL.

## FOREWORD

The parts in this catalog are listed in alphabetical order and are located at the front of this catalog.

Except for some common hardware all parts are identified with an item number. Common hardware not identified such as bolts, nuts, cotter pins and lubrication fittings, are listed in the text under the part which they attach or fit into. Note particularly that the quantity of hardware listed is always the quantity required for one part.

Common attaching hardware listed under a part is not included in the assembly or included with the part unless specified. Example: (Incl. Bolt, Lock-washer and Nut).

"Assembly or Packaged Parts" indicates if an individual part is one of many in a large assembly or one of several kinds in a package.

All numbers are listed in the second last section of this catalog showing the quantity and description of the various parts that make up the assembly or package.

The last section of this catalog contains a part number index to indicate on which page or pages a part number appears.

All illustrations will be found to follow the text of each group or section of which it is a part.

For any additional copies of this catalog there will be a supplementing service charge of three dollars. Refer any requests to your Branch House or office under which you operate.

## HOW TO ORDER PARTS

Order all parts for this machine from your local ALLIS-CHALMERS Dealer.

When ordering parts for this unit, supply the following information:

1. The tractor and engine serial numbers.
2. The model or name of the unit and its serial number.
3. State the common name of the part you wish to order, or a description of the part and its location on the unit, or bring in old part.

4. Always print your name and post office address, where parts are to be shipped; also specify whether material is to be shipped by freight, express or parcel post.

5. When ordering parts always determine right hand and left hand from a position in the operators seat facing the direction of forward travel. On Backhoe Units Right and Left is determined by facing the Backhoe from the operator seat.

## IMPORTANT

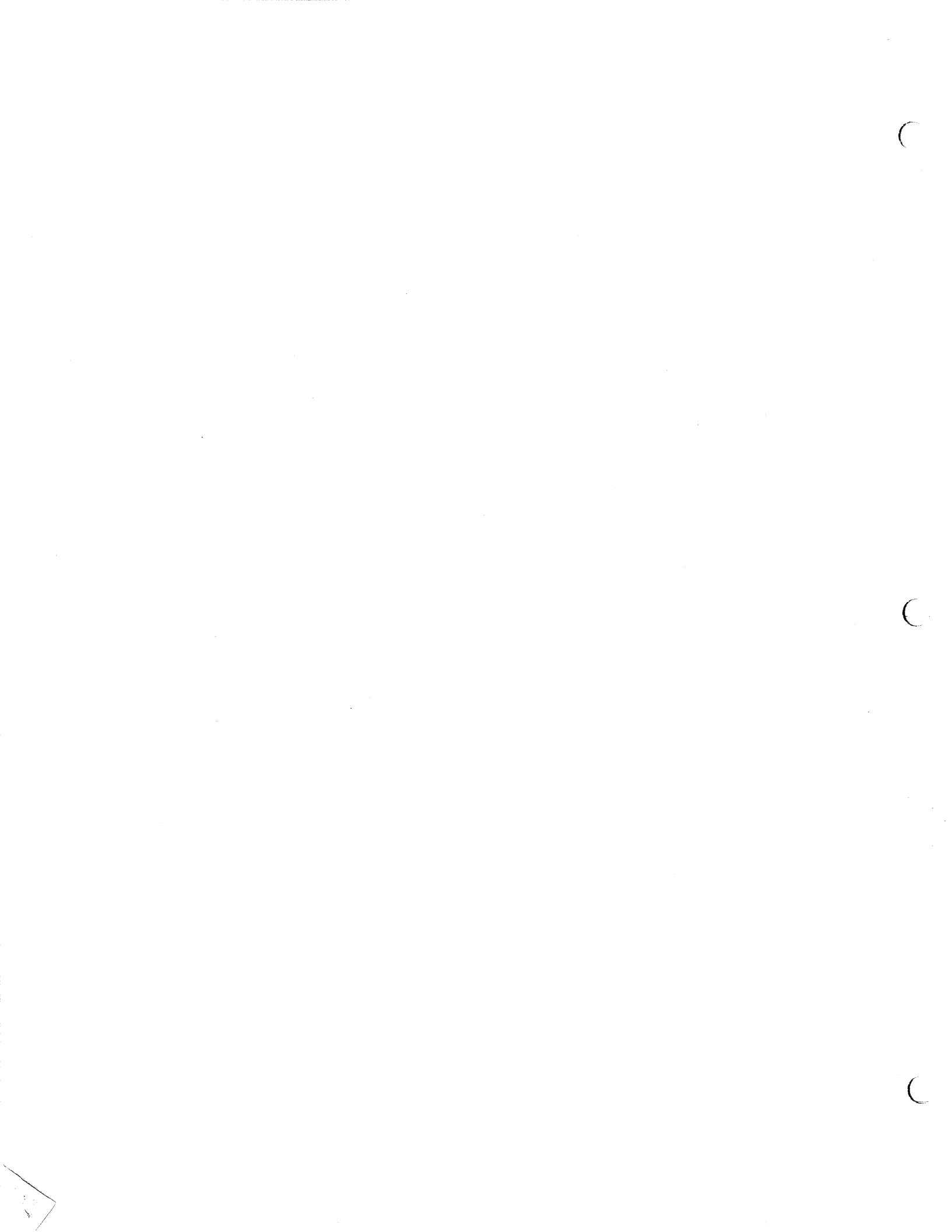
Unless claims for shortages or errors are made immediately upon receipt of goods, they will not be considered.

When broken goods are received, a full description of the damage should be made by the carrier present on the freight bill. If this description is insisted upon full damage can always be collected from the transportation company.

No responsibility is assumed for delay or damage to merchandise while in transit. Our responsibility

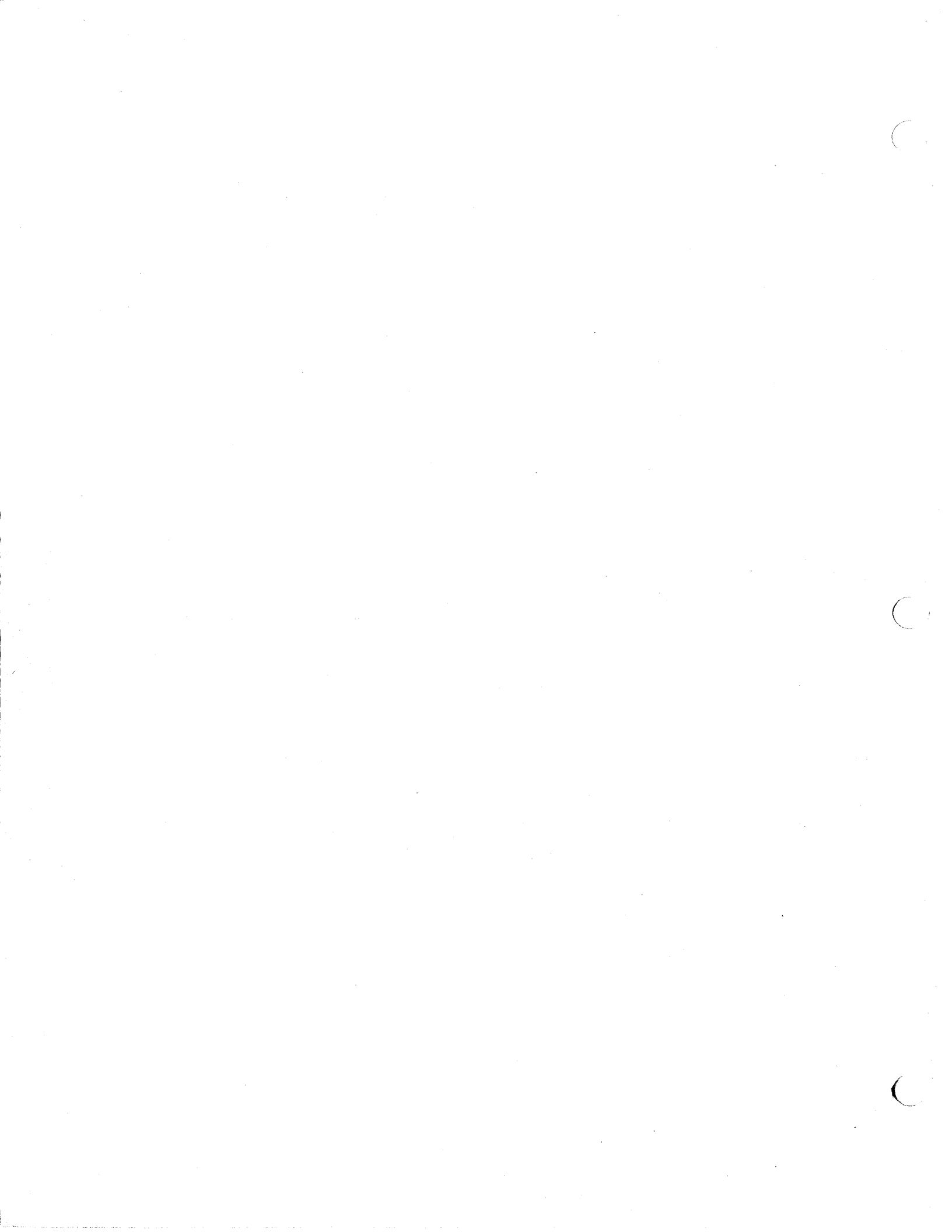
ceases upon delivery of shipment to the transportation company, from whom a receipt is received showing that shipment was in good condition when delivered to them; therefore claims (if any) should be filed with the transportation company and not with Allis-Chalmers Manufacturing Company.

The right is reserved to change the construction or material of any parts where it seems desirable to do so, without incurring the obligation of installing such changes on units already delivered.



## 816 & 816B TRACTORS

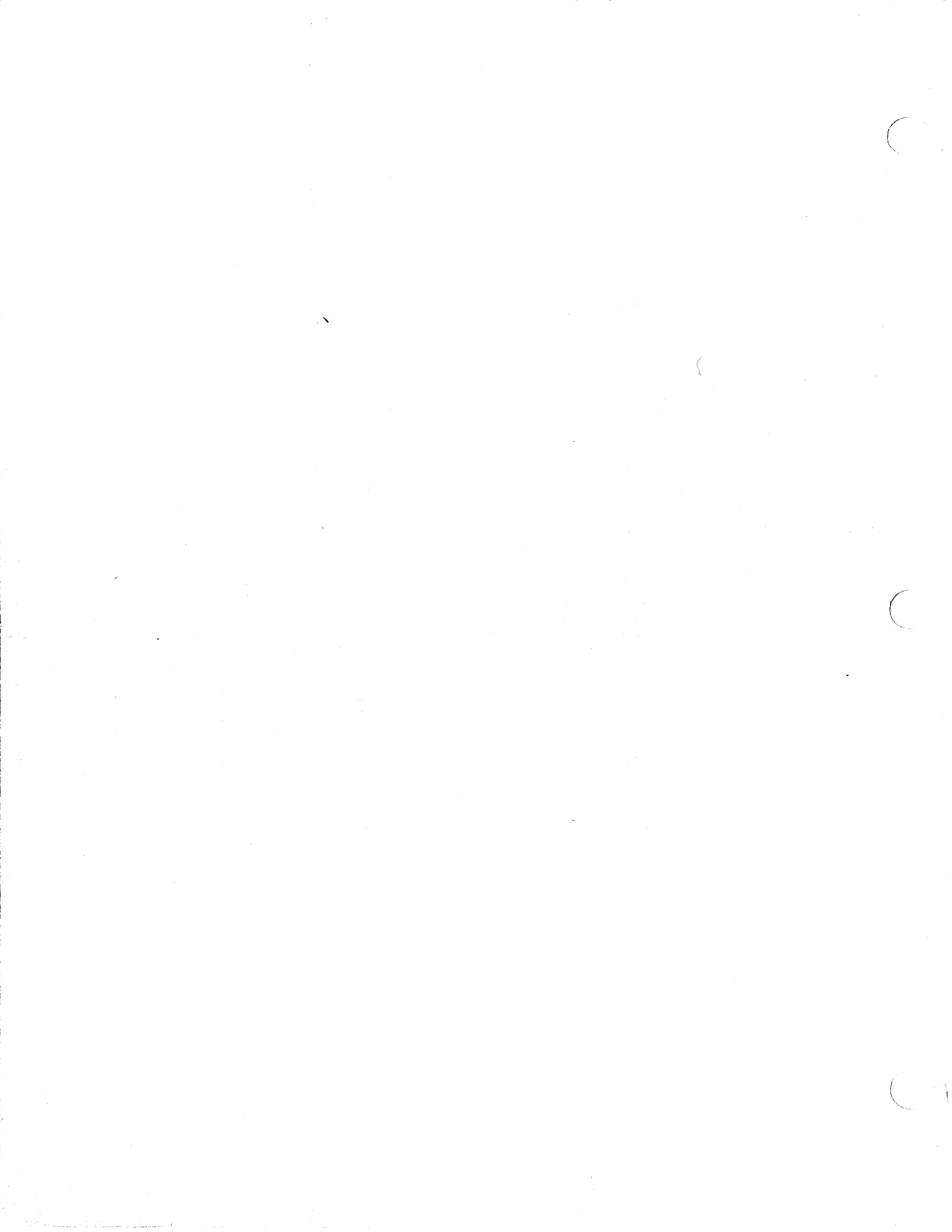
<b>AIR INTAKE &amp; EXHAUST SYSTEM</b>	
Air Cleaner Group .....	43
Air Cleaner Indicator .....	45
<b>Air Intake &amp; Exhaust</b>	
Air Cleaner .....	43
Muffler .....	45
<b>Manifolds</b>	
Exhaust .....	41
Intake .....	41
<b>ATTACHMENTS</b>	
Assembly Tool Kit .....	267
<b>Buckets</b>	
Backhoe .....	253
4-In-1 .....	261
Loader .....	255
CM Yellow Paint .....	267
Ether Starting Aid .....	263
<b>4-In-1 Backhoe Controls</b>	
Case Pattern .....	259
Ford Pattern .....	257
Outside Mirror .....	261
<b>Steering Brakes</b>	
Optional .....	265
Transport Chain .....	269
<b>AXLE, STEERING &amp; WHEELS</b>	
<b>Axles</b>	
<b>Axle &amp; Housing</b>	
PR65H X 1 .....	143
PR65H X 11 .....	153
PR65H X 37 .....	159
<b>Brake Parts</b>	
PR65H X 1 .....	149
PR65H X 11 .....	149
PR65H X 37 .....	149
<b>Differential</b>	
PR65H X 1 .....	145
PR65H X 11 .....	153
PR65H X 37 .....	161
<b>Shaft &amp; Hub</b>	
PR65H X 1 .....	147
PR65H X 11 .....	157
PR65H X 37 .....	163
<b>Wheel Cylinder Asy.</b>	
PR65H X 1 .....	151
PR65H X 11 .....	151
PR65H X 37 .....	151
Cylinder, Power Steering .....	171
Front Axle .....	169
Mounting .....	169
Power Cylinder .....	175
Power Steering .....	167
Steering Column Asy. ....	173
Tie Rod Asy. ....	171
Tire & Wheel — Rear .....	165
Valve, Steering .....	173
Wheel Asy. — Front .....	169
Wheel Group, Special .....	165
<b>BACKHOE</b>	
Backhoe Controls .....	231
Boom & Hydraulics .....	227
Cylinder Asy. (Refer to HYDRAULICS)	
Dipperstick & Hydraulics .....	229
Stabilizer Pad & Stabilizer Cylinder .....	223
Stabilizer Street Pad .....	223
Swing Frame & Cylinders .....	225
Valve Asy. (Refer to HYDRAULICS)	



## INDEX

*MC + Pow. Cyl 173-175*

<b>BRAKE SYSTEM</b>	
Brake Lines .....	139
Cylinder .....	139
Pedal Asy.	
Brake .....	141
<b>CAB</b>	
Air Heater & Blower .....	245
Cab Asy.	
Full Vision .....	237
Sims .....	241
Heater Asy. ....	249
Space Heater .....	251
Wiper Motor .....	249
<b>COOLING SYSTEM</b>	
Filter .....	51
Oil Cooler, Transmission .....	51
Pump, Water .....	47
Belt, Fan .....	47
Blade Asy., Fan .....	47
Hub, Pulley .....	47
Radiator .....	51
Water Outlet .....	49
Thermostat .....	49
<b>DRIVE TRAIN</b>	
Axle Asy. (Refer to AXLE, STEERING & WHEELS)	
Clutch Pedal & Linkage .....	141
Controls, Forward & Reverse .....	137
Controls, Parking Brake .....	135
Differential Lock .....	131
Main Drive Shaft .....	131
Mounting, Engine & Transmission .....	111
Pump Drive Shaft .....	133
Torque Converter .....	115
Transmission Asy., Forward & Reverse .....	113
Disk Asy., Forward & Reverse .....	117
Forward & Reverse Transmission .....	121
4-Speed	
Case & Parking Brake .....	123
Control Cover .....	127
Control Linkage .....	131
Countershaft .....	129
Main Shaft .....	125
Torque Converter & Pump Asy. ....	115
Valve Asy., Transmission .....	119





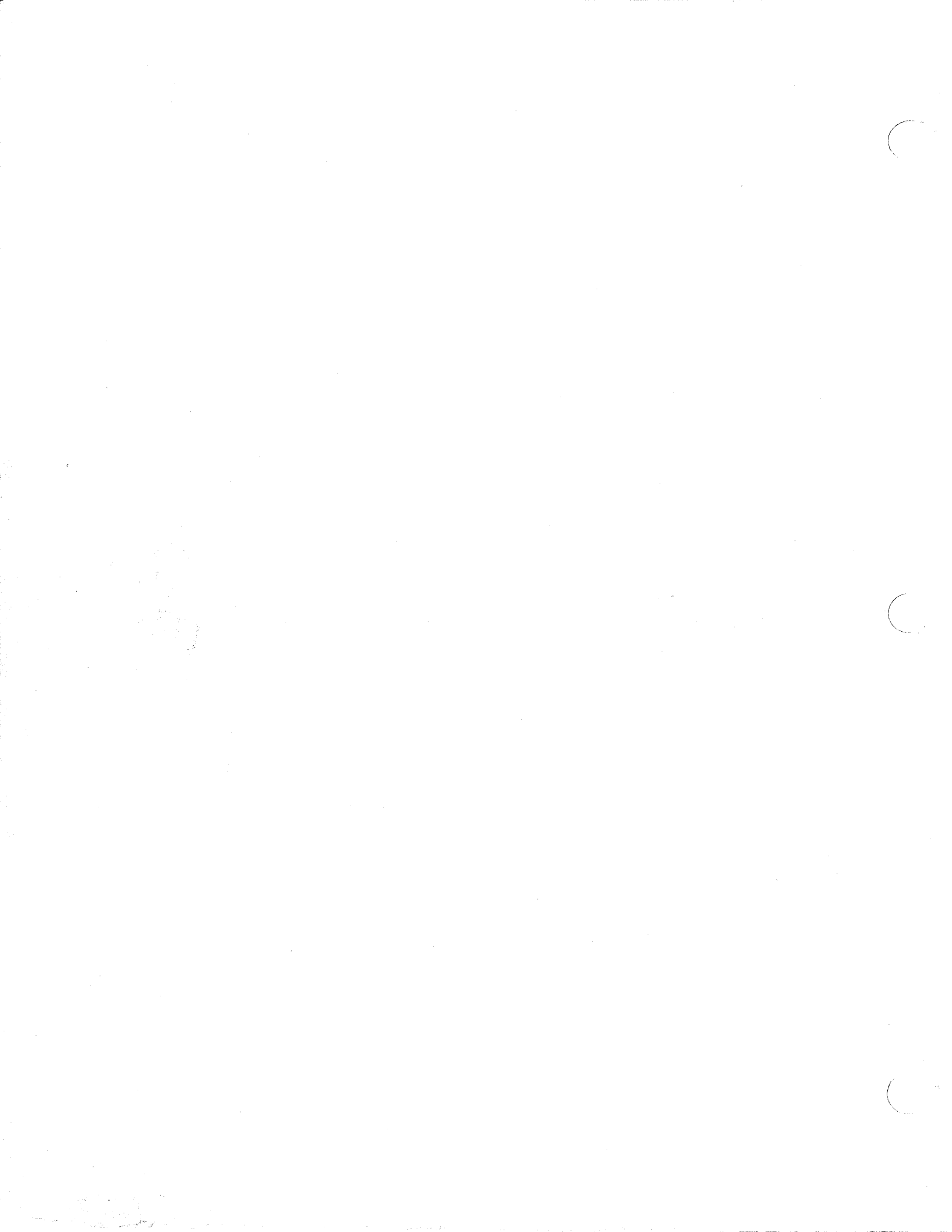
<b>ELECTRICAL &amp; INSTRUMENTS</b>	
Alternator Asy. ....	93
Electrical Group .....	87
Battery .....	87
Fan, Alternator .....	87
Horn .....	87
Pulley, Alternator .....	87
Sending Units .....	87
Switches .....	87
Hourmeter .....	87
Oil Pressure .....	87
Wiring & Battery .....	87
Instrument Panel (Gauges) .....	91
Cover, Panel .....	91
Fuse Holder .....	91
Gauges	
Fuel & Voltage .....	91
Warning Lights .....	91
Water & Oil Temperature .....	91
Wire Harness .....	91
Wiring .....	91
Lamp Asy., Flood Light .....	99
Lamp Asy., Road Light .....	97
Lamp Asy., Warning .....	97
Starting Motor Asy. ....	95
<b>ENGINE</b>	
Camshaft .....	35
Cover, Cylinder Head .....	33
Crankshaft .....	35
Cylinder Block .....	21
Cylinder Head .....	25
Engine Replacement .....	21
Exhaust Valve .....	25
Flywheel & Starting Ring .....	27
Housing .....	29
Gasket Sets	
Bottom Overhaul .....	23
Top Overhaul .....	23
Gear, Camshaft .....	35
Gear, Crankshaft .....	27
Indicator, Oil Level .....	37
Intake Valve .....	25
Lubricating System	
Oil Pan .....	37
Oil Pump .....	37
Oil Filter .....	39
Piston & Connecting Rod .....	31
Pulley, Crankshaft .....	27
Push Rod, Valve .....	33
Shaft, Rocker Arm .....	33
Short Block .....	23
Sleeve, Cylinder .....	21
Tappet, Valve .....	33
Timing Gear Cover .....	35
Valve Operating Mechanism .....	33

21

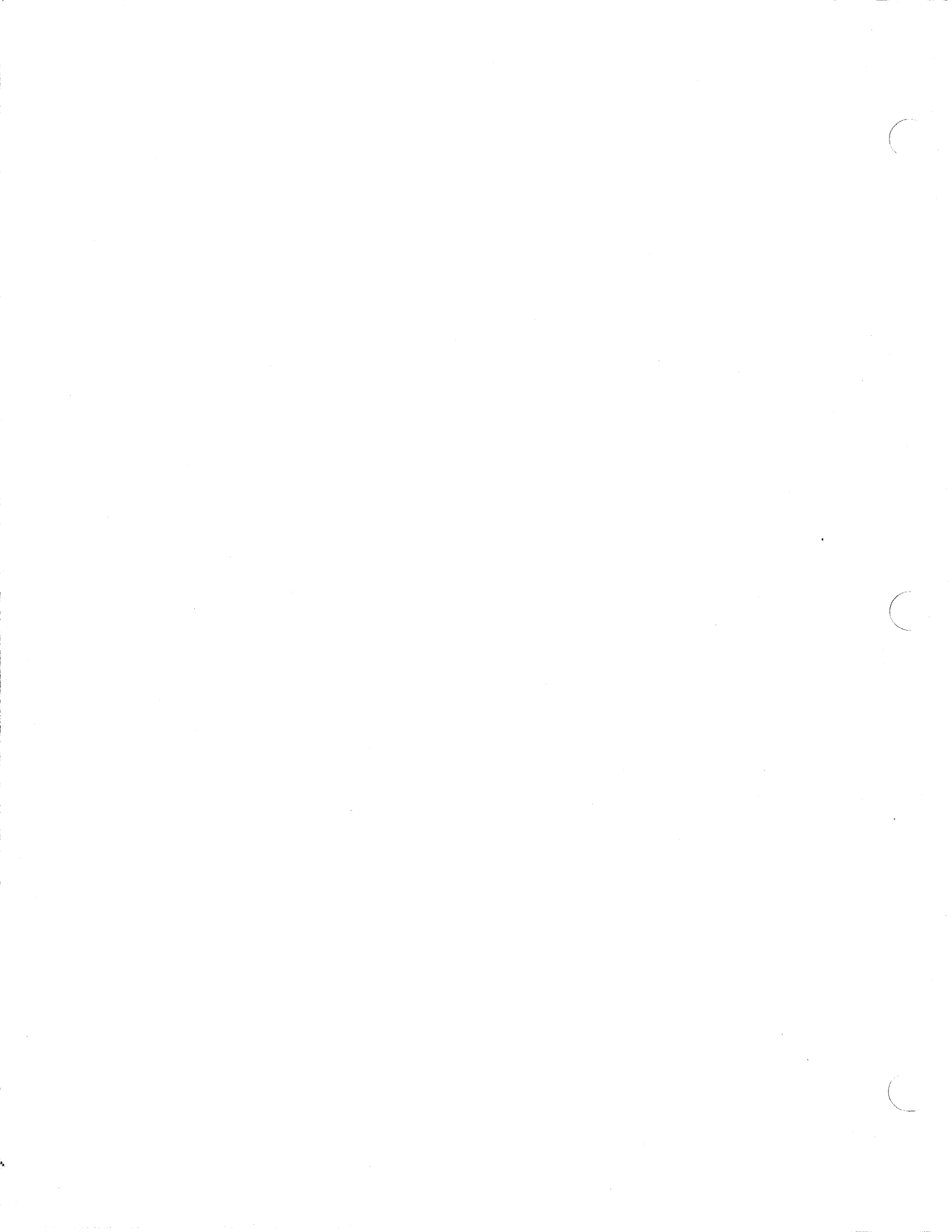
## INDEX

<b>FUEL SYSTEM</b>	
Cable, Fuel Shut-off .....	83
Cable, Throttle .....	83
Fuel Control, Engine .....	83
Fuel Filter Asy. ....	81
Fuel Filters & Lines .....	75
Fuel Pump, Lift .....	71
Fuel Tank & Lines .....	69
Injection Lines, Fuel .....	63
Injection Pump Components	
Housing & Drive .....	57
Transfer Pump, Head & Rotor .....	61
Injection Pump & Drive, Fuel .....	55
Nozzle Holder Asy. ....	63
<b>HYDRAULICS</b>	
Auxiliary Backhoe Valve Group	
Foot Operated .....	221
Backhoe	
Control Valve	
Backhoe .....	209
Swing .....	213
Cylinders	
Boom .....	197
Bucket .....	199
Dipperstick .....	197
Stabilizer .....	201
Swing .....	201
Valve, Dual Relief .....	203
Filter Asy., Oil .....	193
Filter Asy., Power Steering .....	185
Flow Divider, Power Steering .....	189
4-in-1 Bucket	
Moldboard, Rear View .....	215
Cylinder Asy. ....	215
3rd Spool Control & Hydraulic Group .....	217
Hydraulic Lines	
Loader Valve to Loader .....	193
Loader	
Control Valve .....	205
Cylinders	
Lift .....	195
Tilt .....	195
Pressure Lines .....	179
Pump Asy., Dual Front Mount .....	191
Pump Asy., Power Steering .....	187
Strainer Asy., Front .....	191
Sump Lines .....	183
Valve Asy., Check .....	185
<b>LOADER</b>	
Controls .....	235
Lift Arms .....	233
Linkage & Cylinders .....	233
<b>NUMERICAL INDEX</b> .....	
	8
<b>RECOMMENDED DEALER STOCK</b> .....	
	270
<b>SHEET METAL, FRAME &amp; SEAT</b>	
Decals .....	109
Fenders .....	101
Front Console .....	107
Grille .....	107
Main Frame, Tractor .....	101
Platform .....	105
Rear Axle Mounting .....	101
Seat & Seat Support .....	103

*Pump  
Drive  
133*

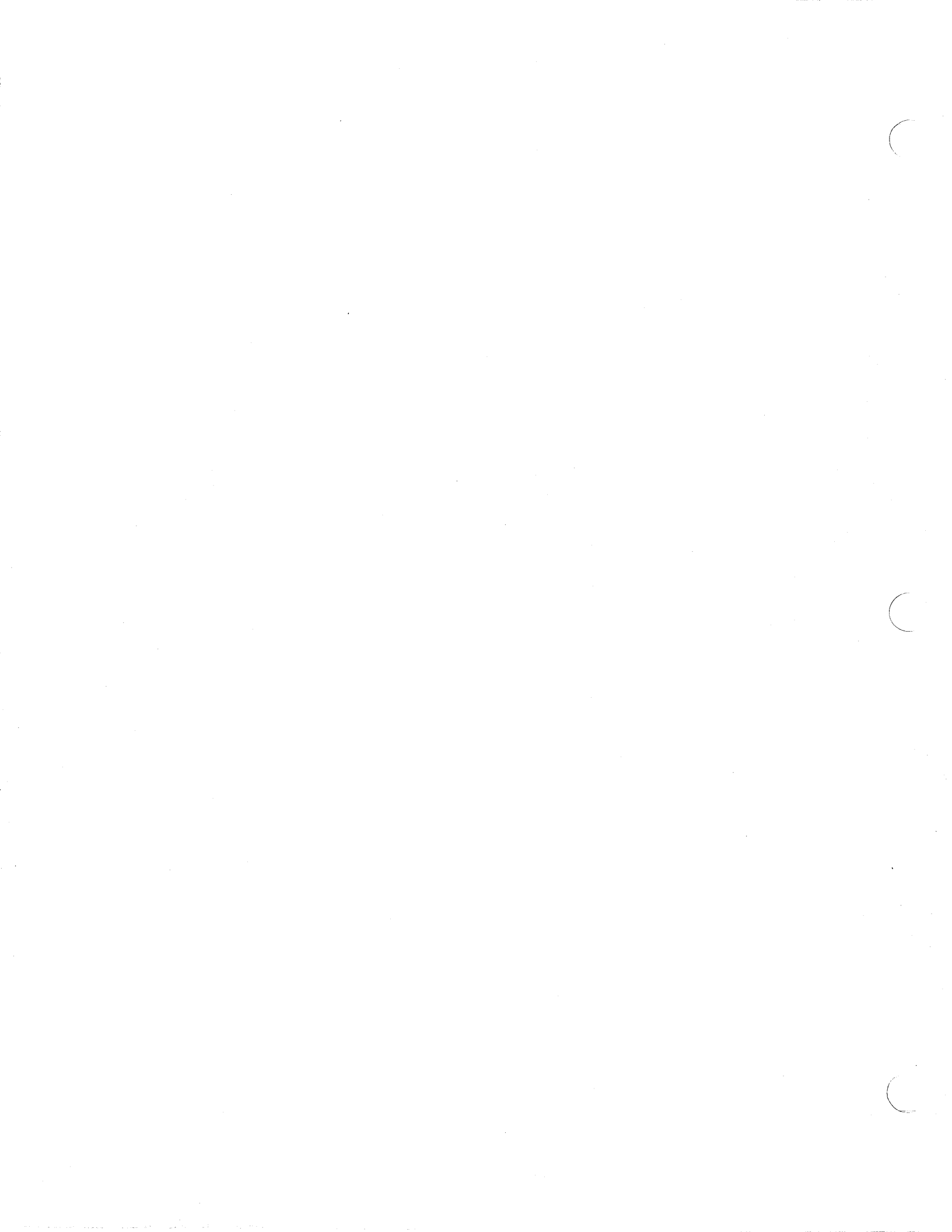






## NUMERICAL INDEX

Part	Page	Grid	Part	Page	Grid	Part	Page	Grid	Part	Page	Grid
0043001-7	145	1-G 2	0241131-2	189	1-H22	0251006-3	21	1-A22	0251164-0	37	1-B14
0043001-7	155	1-G12	0241132-0	189	1-H22	0251007-1	111	1-E16	0251169-9	37	1-B14
0043491-0	169	1-H 2	0241133-8	189	1-H22	0251008-9	21	1-A22	0251170-7	37	1-B14
0067508-2	177	1-H10	0241134-6	189	1-H22	0251009-7	21	1-A22	0251171-5	37	1-B14
0067766-6	115	1-E20	0241135-3	189	1-H22	0251010-5	21	1-A22	0251173-1	37	1-B14
0076486-0	177	1-H10	0241297-1	95	1-D24	0251012-1	21	1-A22	0251174-9	23	1-A24
0076489-4	177	1-H10	0241335-9	95	1-D24	0251014-7	21	1-A22	0251174-9	37	1-B14
0081559-7	131	1-F12	0241346-6	95	1-D24	0251014-7	41	1-B18	0251179-8	39	1-B16
0100821-8	221	1-J 6	0241350-8	95	1-D24	0251014-7	75	1-D 4	0251180-6	39	1-B16
0194321-6	191	1-H24	0241522-2	69	1-C22	0251014-7	77	1-D 6	0251181-4	39	1-B16
0202573-2	145	1-G 2	0241833-3	121	1-F 2	0251014-7	79	1-D 8	0251182-2	39	1-B16
0202573-2	155	1-G12	0241951-3	187	1-H20	0251015-4	21	1-A22	0251184-8	25	1-B 2
0202584-9	145	1-G 2	0241954-7	187	1-H20	0251018-8	21	1-A22	0251184-8	47	1-B24
0202584-9	155	1-G12	0241965-3	91	1-D20	0251019-6	21	1-A22	0251184-8	49	1-C 2
0209894-5	145	1-G 2	0241977-8	91	1-D20	0251020-4	21	1-A22	0251185-5	25	1-B 2
0209894-5	155	1-G12	0242534-6	169	1-H 2	0251021-2	25	1-B 2	0251185-5	49	1-C 2
0209987-7	169	1-H 2	0242725-0	131	1-F12	0251026-1	27	1-B 4	0251186-3	25	1-B 2
0223558-8	169	1-H 2	0242727-6	131	1-F12	0251026-1	31	1-B 8	0251186-3	49	1-C 2
0226023-0	137	1-F18	0243416-5	217	1-J 2	0251027-9	27	1-B 4	0251187-1	23	1-A24
0227195-5	91	1-D20	0243416-5	231	1-J16	0251027-9	31	1-B 8	0251187-1	25	1-B 2
0229210-0	51	1-C 4	0243416-5	235	1-J20	0251032-9	21	1-A22	0251189-7	25	1-B 2
0229210-0	53	1-C 6	0243473-6	87	1-D16	0251033-7	21	1-A22	0251189-7	49	1-C 2
0229902-2	83	1-D12	0243495-9	173	1-H 6	0251035-2	21	1-A22	0251191-3	49	1-C 2
0229966-7	121	1-F 2	0243496-7	173	1-H 6	0251036-0	23	1-A24	0251192-1	23	1-A24
0231240-3	95	1-D24	0243532-9	139	1-F20	0251040-2	21	1-A22	0251192-1	49	1-C 2
0231246-0	95	1-D24	0243532-9	181	1-H14	0251040-2	23	1-A24	0251197-0	33	1-B10
0231260-1	95	1-D24	0243532-9	217	1-J 2	0251041-0	21	1-A22	0251198-8	33	1-B10
0231265-0	95	1-D24	0243613-7	187	1-H20	0251042-8	21	1-A22	0251199-6	33	1-B10
0231269-2	95	1-D24	0243807-5	95	1-D24	0251047-7	21	1-A22	0251200-2	41	1-B18
0231299-9	95	1-D24	0243811-7	95	1-D24	0251048-5	21	1-A22	0251201-0	41	1-B18
0231328-6	95	1-D24	0243813-3	95	1-D24	0251048-5	23	1-A24	0251202-8	41	1-B18
0231329-4	95	1-D24	0243814-1	95	1-D24	0251050-1	35	1-B12	0251203-6	63	1-C16
0231339-3	95	1-D24	0243817-4	95	1-D24	0251051-9	35	1-B12	0251203-6	65	1-C18
0234214-5	109	1-E14	0243826-5	95	1-D24	0251054-3	35	1-B12	0251205-1	49	1-C 2
0234692-2	187	1-H20	0243827-3	95	1-D24	0251055-0	35	1-B12	0251206-9	33	1-B10
0234847-2	95	1-D24	0243828-1	95	1-D24	0251056-8	35	1-B12	0251208-5	33	1-B10
0234976-9	181	1-H14	0243829-9	95	1-D24	0251057-6	35	1-B12	0251209-3	33	1-B10
0234976-9	183	1-H16	0243830-7	95	1-D24	0251058-4	35	1-B12	0251210-1	33	1-B10
0235594-9	239	1-J24	0243831-5	95	1-D24	0251060-0	35	1-B12	0251211-9	33	1-B10
0236233-3	167	1-G24	0243832-3	95	1-D24	0251062-6	35	1-B12	0251213-5	33	1-B10
0236332-3	95	1-D24	0243833-1	95	1-D24	0251063-4	35	1-B12	0251214-3	33	1-B10
0236333-1	95	1-D24	0243834-9	95	1-D24	0251065-9	35	1-B12	0251216-8	71	1-C24
0236335-6	95	1-D24	0243837-2	95	1-D24	0251069-1	73	1-D 2	0251216-8	73	1-D 2
0236336-4	95	1-D24	0244019-6	171	1-H 4	0251075-8	39	1-B16	0251217-6	33	1-B10
0236337-2	95	1-D24	0244237-4	169	1-H 2	0251076-6	21	1-A22	0251218-4	33	1-B10
0236340-6	95	1-D24	0245101-1	51	1-C 4	0251076-6	23	1-A24	0251223-4	33	1-B10
0236341-4	95	1-D24	0245101-1	53	1-C 6	0251077-4	21	1-A22	0251224-2	33	1-B10
0236342-2	95	1-D24	0245342-1	167	1-G24	0251082-4	21	1-A22	0251225-9	33	1-B10
0236343-0	95	1-D24	0245562-4	91	1-D20	0251083-2	39	1-B16	0251226-7	33	1-B10
0237000-5	39	1-B16	0245685-3	187	1-H20	0251085-7	35	1-B12	0251228-3	25	1-B 2
0237005-4	95	1-D24	0246171-3	89	1-D18	0251088-1	55	1-C 8	0251231-7	25	1-B 2
0237818-0	51	1-C 4	0246282-8	91	1-D20	0251089-9	29	1-B 6	0251232-5	25	1-B 2
0237818-0	53	1-C 6	0246689-4	249	1-K10	0251089-9	37	1-B14	0251233-3	25	1-B 2
0239176-1	173	1-H 6	0246722-3	167	1-G24	0251089-9	55	1-C 8	0251235-8	41	1-B18
0239177-9	173	1-H 6	0247687-7	69	1-C22	0251090-7	87	1-D16	0251238-2	41	1-B18
0239178-7	173	1-H 6	0248109-1	91	1-D20	0251091-5	75	1-D 4	0251239-0	41	1-B18
0239179-5	173	1-H 6	0248111-7	89	1-D18	0251095-6	35	1-B12	0251240-8	23	1-A24
0239181-1	173	1-H 6	0248659-5	89	1-D18	0251096-4	23	1-A24	0251240-8	41	1-B18
0239188-6	173	1-H 6	0248659-5	141	1-F22	0251096-4	35	1-B12	0251241-6	23	1-A24
0239189-4	173	1-H 6	0249515-8	45	1-B22	0251099-8	35	1-B12	0251241-6	41	1-B18
0239195-1	173	1-H 6	0249745-1	137	1-F18	0251100-4	35	1-B12	0251242-4	23	1-A24
0239196-9	173	1-H 6	0249786-5	89	1-D18	0251101-2	23	1-A24	0251242-4	41	1-B18
0239197-7	173	1-H 6	0249788-1	89	1-D18	0251101-2	35	1-B12	0251248-1	41	1-B18
0239229-8	173	1-H 6	0250279-7	187	1-H20	0251102-0	35	1-B12	0251250-7	23	1-A24
0239279-3	189	1-H22	0250689-7	103	1-E 8	0251105-3	27	1-B 4	0251250-7	33	1-B10
0239432-8	101	1-E 6	0250848-9	169	1-H 2	0251106-1	27	1-B 4	0251251-5	33	1-B10
0239432-8	169	1-H 2	0250849-7	169	1-H 2	0251109-5	27	1-B 4	0251254-9	33	1-B10
0239517-6	43	1-B20	0250850-5	169	1-H 2	0251115-2	31	1-B 8	0251255-6	29	1-B 6
0240150-3	89	1-D18	0250854-7	169	1-H 2	0251118-6	31	1-B 8	0251255-6	33	1-B10
0240436-6	89	1-D18	0250857-0	169	1-H 2	0251121-0	31	1-B 8	0251255-6	37	1-B14
0241056-1	45	1-B22	0250859-6	169	1-H 2	0251129-3	37	1-B14	0251258-0	33	1-B10
0241056-1	263	1-K24	0251003-0	21	1-A22	0251150-9	37	1-B14	0251259-8	33	1-B10
0241114-8	187	1-H20	0251003-0	25	1-B 2	0251151-7	37	1-B14	0251262-2	23	1-A24
0241128-8	189	1-H22	0251004-8	21	1-A22	0251152-5	37	1-B14	0251266-3	47	1-B24
0241130-4	189	1-H22	0251005-5	21	1-A22	0251153-3	37	1-B14	0251269-7	23	1-A24





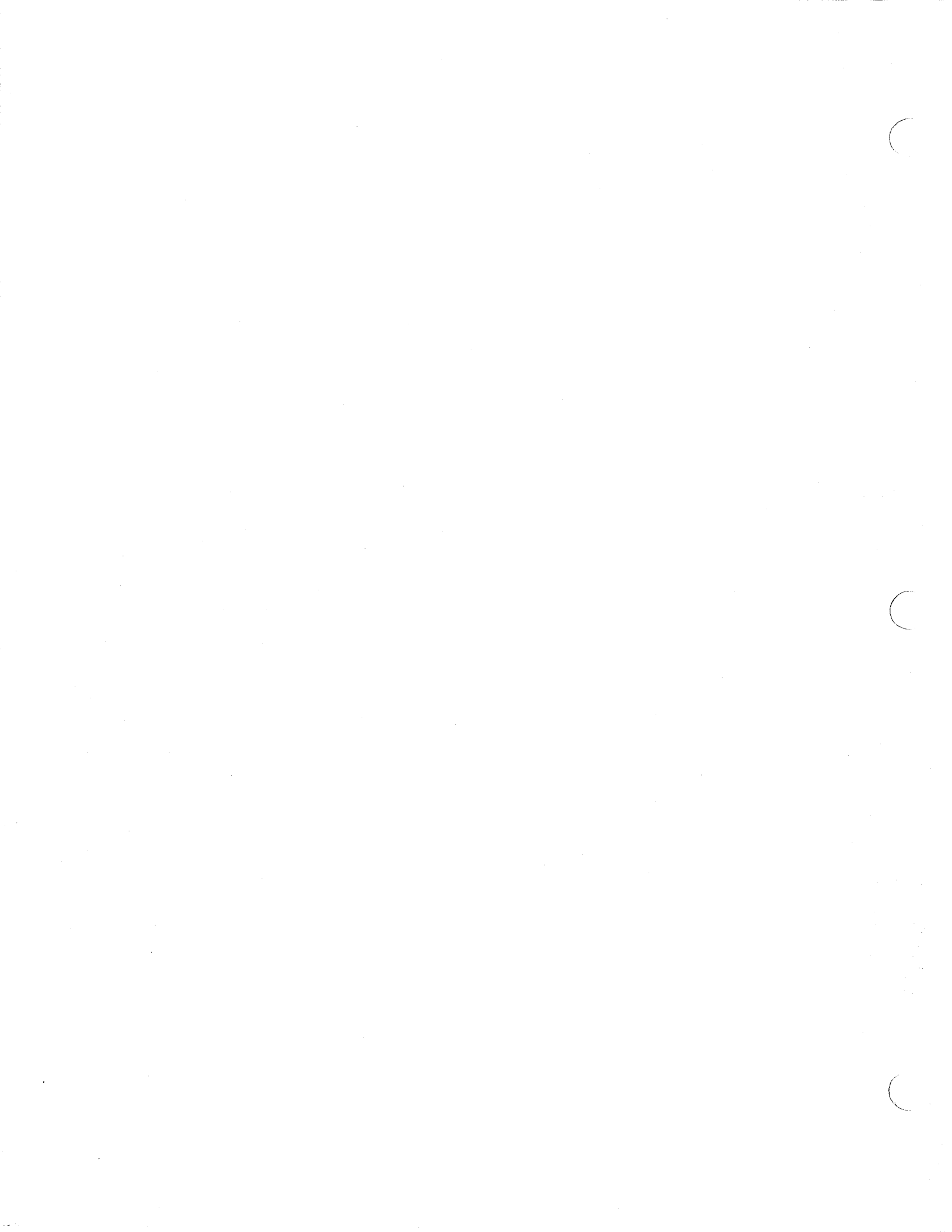
## NUMERICAL INDEX

Part	Page	Grid	Part	Page	Grid	Part	Page	Grid	Part	Page	Grid
0251269-7	55	1-C 8	0251357-0	31	1-B 8	0251924-7	57	1-C10	0252016-1	57	1-C10
0251271-3	55	1-C 8	0251358-8	31	1-B 8	0251925-4	57	1-C10	0252019-5	67	1-C20
0251272-1	55	1-C 8	0251359-6	31	1-B 8	0251926-2	57	1-C10	0252020-3	67	1-C20
0251273-9	55	1-C 8	0251362-0	47	1-B24	0251927-0	57	1-C10	0252022-9	67	1-C20
0251276-2	55	1-C 8	0251364-6	71	1-C24	0251928-8	57	1-C10	0252023-7	67	1-C20
0251277-0	23	1-A24	0251364-6	73	1-D 2	0251928-8	59	1-C12	0252024-5	67	1-C20
0251277-0	71	1-C24	0251365-3	77	1-D 6	0251929-6	61	1-C14	0252026-0	67	1-C20
0251279-6	71	1-C24	0251365-3	79	1-D 8	0251930-4	61	1-C14	0252028-6	63	1-C16
0251284-6	23	1-A24	0251365-3	81	1-D10	0251932-0	61	1-C14	0252028-6	67	1-C20
0251284-6	63	1-C16	0251366-1	47	1-B24	0251933-8	61	1-C14	0252047-6	77	1-D 6
0251284-6	65	1-C18	0251370-3	71	1-C24	0251934-6	61	1-C14	0252047-6	79	1-D 8
0251284-6	67	1-C20	0251374-5	47	1-B24	0251935-3	61	1-C14	0252048-4	81	1-D10
0251285-3	63	1-C16	0251379-4	47	1-B24	0251936-1	61	1-C14	0252048-4	77	1-D 6
0251285-3	65	1-C18	0251380-2	47	1-B24	0251939-5	61	1-C14	0252048-4	79	1-D 8
0251285-3	67	1-C20	0251380-2	73	1-D 2	0251942-9	59	1-C12	0252048-4	81	1-D10
0251286-1	63	1-C16	0251382-8	71	1-C24	0251943-7	59	1-C12	0252049-2	77	1-D 6
0251292-9	63	1-C16	0251383-6	71	1-C24	0251944-5	59	1-C12	0252049-2	79	1-D 8
0251292-9	65	1-C18	0251384-4	71	1-C24	0251946-0	59	1-C12	0252051-8	77	1-D 6
0251293-7	63	1-C16	0251385-1	71	1-C24	0251947-8	57	1-C10	0252051-8	79	1-D 8
0251294-5	63	1-C16	0251386-9	71	1-C24	0251948-6	59	1-C12	0252051-8	81	1-D10
0251294-5	65	1-C18	0251387-7	71	1-C24	0251949-4	57	1-C10	0252052-6	77	1-D 6
0251295-2	63	1-C16	0251388-5	71	1-C24	0251950-2	57	1-C10	0252052-6	79	1-D 8
0251295-2	65	1-C18	0251389-3	71	1-C24	0251951-0	57	1-C10	0252052-6	81	1-D10
0251298-6	63	1-C16	0251390-1	71	1-C24	0251952-8	57	1-C10	0252053-4	77	1-D 6
0251298-6	65	1-C18	0251391-9	71	1-C24	0251952-8	59	1-C12	0252053-4	79	1-D 8
0251299-4	63	1-C16	0251392-7	71	1-C24	0251953-6	59	1-C12	0252053-4	81	1-D10
0251299-4	65	1-C18	0251393-5	71	1-C24	0251955-1	59	1-C12	0252444-5	83	1-D12
0251300-0	63	1-C16	0251395-0	71	1-C24	0251956-9	59	1-C12	0252463-5	107	1-E12
0251301-8	63	1-C16	0251396-8	71	1-C24	0251957-7	59	1-C12	0252467-6	107	1-E12
0251301-8	65	1-C18	0251397-6	77	1-D 6	0251958-5	59	1-C12	0252471-8	167	1-G24
0251302-6	63	1-C16	0251397-6	79	1-D 8	0251959-3	57	1-C10	0253031-9	261	1-K22
0251302-6	65	1-C18	0251397-6	81	1-D10	0251960-1	57	1-C10	0253042-6	215	1-I24
0251308-3	75	1-D 4	0251398-4	27	1-B 4	0251961-9	57	1-C10	0253270-3	25	1-B 2
0251308-3	77	1-D 6	0251398-4	31	1-B 8	0251962-7	59	1-C12	0253320-6	91	1-D20
0251308-3	79	1-D 8	0251399-2	27	1-B 4	0251963-5	59	1-C12	0253320-6	263	1-K24
0251309-1	75	1-D 4	0251399-2	31	1-B 8	0251964-3	59	1-C12	0253321-4	91	1-D20
0251309-1	77	1-D 6	0251400-8	47	1-B24	0251965-0	59	1-C12	0253321-4	263	1-K24
0251309-1	79	1-D 8	0251401-6	25	1-B 2	0251966-8	59	1-C12	0253322-2	91	1-D20
0251310-9	75	1-D 4	0251402-4	25	1-B 2	0251967-6	59	1-C12	0253322-2	263	1-K24
0251310-9	77	1-D 6	0251403-2	25	1-B 2	0251969-2	59	1-C12	0253335-4	83	1-D12
0251310-9	79	1-D 8	0251404-0	25	1-B 2	0251970-0	57	1-C10	0253336-2	83	1-D12
0251312-5	75	1-D 4	0251405-7	25	1-B 2	0251971-8	57	1-C10	0254128-2	21	1-A22
0251312-5	77	1-D 6	0251406-5	25	1-B 2	0251972-6	57	1-C10	0254489-8	49	1-C 2
0251312-5	79	1-D 8	0251407-3	47	1-B24	0251973-4	57	1-C10	0254490-6	49	1-C 2
0251313-3	23	1-A24	0251408-1	47	1-B24	0251974-2	57	1-C10	0254491-4	23	1-A24
0251313-3	33	1-B10	0251409-9	47	1-B24	0251975-9	59	1-C12	0254491-4	49	1-C 2
0251313-3	75	1-D 4	0251410-7	47	1-B24	0251977-5	57	1-C10	0254561-4	37	1-B14
0251313-3	77	1-D 6	0251414-9	47	1-B24	0251977-5	77	1-D 6	0254891-5	51	1-C 4
0251313-3	79	1-D 8	0251416-4	21	1-A22	0251977-5	79	1-D 8	0254891-5	53	1-C 6
0251317-4	65	1-C18	0251416-4	23	1-A24	0251978-3	59	1-C12	0254970-7	35	1-B12
0251317-4	75	1-D 4	0251416-4	39	1-B16	0251979-1	59	1-C12	0254971-5	23	1-A24
0251318-2	75	1-D 4	0251417-2	47	1-B24	0251980-9	59	1-C12	0254971-5	35	1-B12
0251320-8	75	1-D 4	0251418-0	47	1-B24	0251981-7	57	1-C10	0255200-8	47	1-B24
0251320-8	77	1-D 6	0251419-8	47	1-B24	0251983-3	59	1-C12	0255432-7	23	1-A24
0251320-8	79	1-D 8	0251693-8	169	1-H 2	0251984-1	59	1-C12	0255939-1	21	1-A22
0251323-2	75	1-D 4	0251744-9	169	1-H 2	0251985-8	59	1-C12	0255940-9	21	1-A22
0251326-5	63	1-C16	0251902-3	61	1-C14	0251986-6	59	1-C12	0256136-3	47	1-B24
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0251327-3	63	1-C16	0251904-9	61	1-C14	0251989-0	59	1-C12	0256138-9	47	1-B24
0251327-3	65	1-C18	0251906-4	61	1-C14	0251990-8	59	1-C12	0256141-3	47	1-B24
0251328-1	55	1-C 8	0251907-2	61	1-C14	0251993-2	59	1-C12	0256852-5	167	1-G24
0251328-1	83	1-D12	0251909-8	61	1-C14	0251994-0	59	1-C12	0257231-1	23	1-A24
0251335-6	87	1-D16	0251910-6	61	1-C14	0251996-5	57	1-C10	0257231-1	73	1-D 2
0251336-4	47	1-B24	0251911-4	61	1-C14	0251997-3	57	1-C10	0257232-9	73	1-D 2
0251336-4	87	1-D16	0251912-2	61	1-C14	0251998-1	57	1-C10	0257233-7	73	1-D 2
0251338-0	27	1-B 4	0251913-0	61	1-C14	0252001-3	57	1-C10	0257234-5	81	1-D10
0251338-0	31	1-B 8	0251914-8	61	1-C14	0252002-1	57	1-C10	0257236-0	81	1-D10
0251339-8	27	1-B 4	0251915-5	61	1-C14	0252003-9	57	1-C10	0257239-4	75	1-D 4
0251339-8	31	1-B 8	0251917-1	61	1-C14	0252005-4	57	1-C10	0257239-4	77	1-D 6
0251340-6	27	1-B 4	0251918-9	61	1-C14	0252006-2	57	1-C10	0257263-4	65	1-C18
0251340-6	31	1-B 8	0251919-7	61	1-C14	0252007-0	57	1-C10	0257265-9	65	1-C18
0251341-4	27	1-B 4	0251920-5	61	1-C14	0252008-8	57	1-C10	0257363-2	25	1-B 2
0251341-4	31	1-B 8	0251922-1	61	1-C14	0252010-4	57	1-C10	0257364-0	35	1-B12
0251347-1	33	1-B10	0251923-9	59	1-C12	0252013-8	57	1-C10	0257365-7	35	1-B12
0251356-2	31	1-B 8	0251923-9	61	1-C14	0252015-3	61	1-C14	0257375-6	73	1-D 2



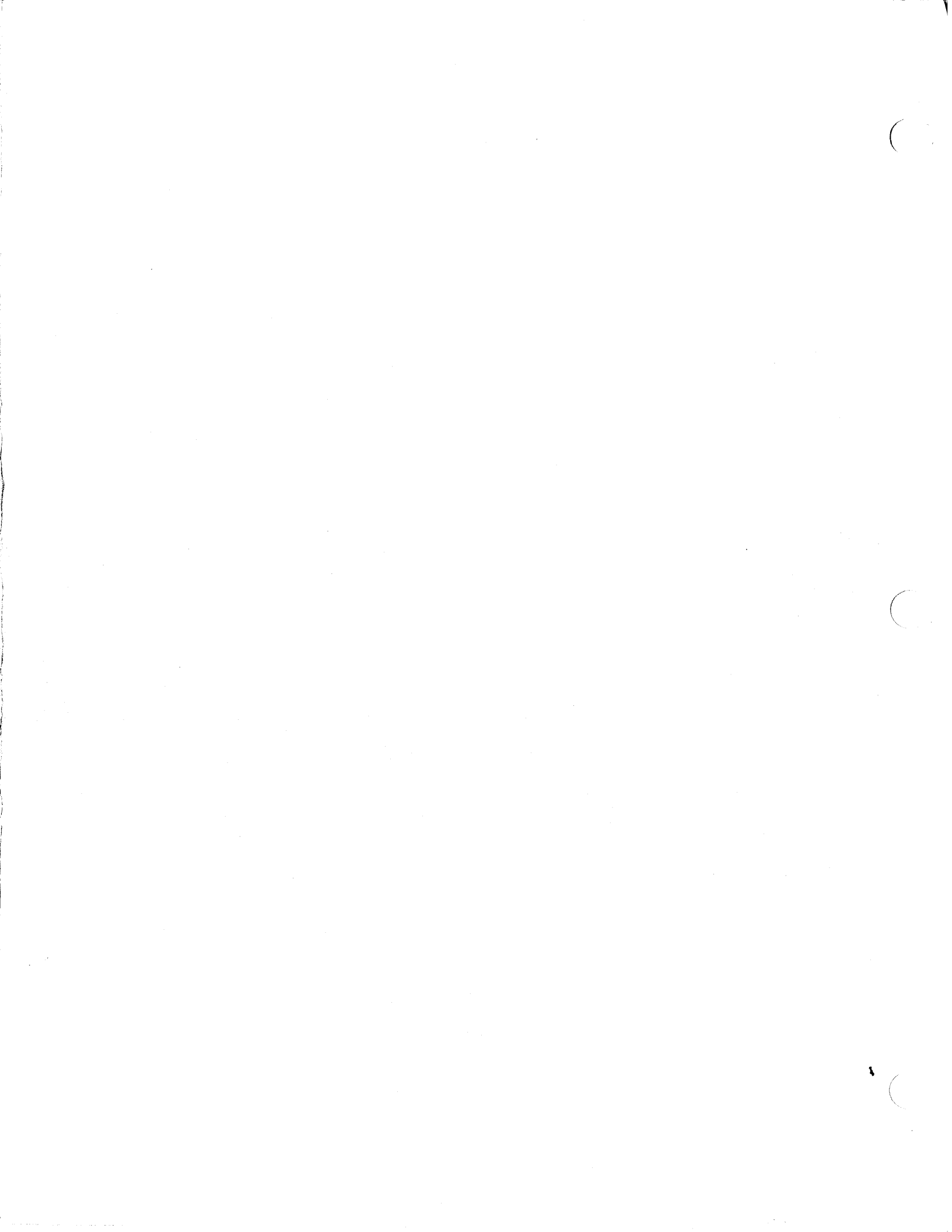
## NUMERICAL INDEX

Part	Page	Grid	Part	Page	Grid	Part	Page	Grid	Part	Page	Grid
0257376-4	73	1-D 2	0904020-5	141	1-F22	0916764-4	233	1-J18	0919426-7	221	1-J 6
0257377-2	73	1-D 2	0904224-3	143	1-F24	0916803-0	51	1-C 4	0919438-2	239	1-J24
0257381-4	21	1-A22	0905261-4	121	1-F 2	0916880-8	87	1-D16	0919440-8	97	1-E 2
0257381-4	23	1-A24	0905845-4	27	1-B 4	0916896-4	169	1-H 2	0919520-7	179	1-H12
0257402-8	33	1-B10	0906909-7	227	1-J12	0916899-8	255	1-K16	0919621-3	139	1-F20
0257415-0	71	1-C24	0906938-6	87	1-D16	0916950-9	45	1-B22	0919624-7	221	1-J 6
0257415-0	73	1-D 2	0907621-7	85	1-D14	0916951-7	51	1-C 4	0919625-4	183	1-H16
0257419-2	73	1-D 2	0907675-3	195	1-I 4	0916964-0	29	1-B 6	0919785-6	135	1-F16
0257420-0	73	1-D 2	0909055-6	87	1-D16	0916965-7	25	1-B 2	0919827-6	263	1-K24
0257463-0	23	1-A24	0910001-7	95	1-D24	0916966-5	51	1-C 4	0919840-9	115	1-E20
0257463-0	41	1-B18	0910002-5	127	1-F 8	0916969-9	83	1-D12	0920117-9	169	1-H 2
0257697-3	21	1-A22	0910007-4	121	1-F 2	0917278-4	95	1-D24	0920240-9	91	1-D20
0257777-3	21	1-A22	0910126-2	101	1-E 6	0917329-5	239	1-J24	0920241-7	83	1-D12
0257778-1	21	1-A22	0910206-2	267	1-L 4	0917356-8	21	1-A22	0920263-1	37	1-B14
0258627-9	187	1-H20	0910231-0	177	1-H10	0917362-6	169	1-H 2	0920326-6	111	1-E16
0266423-3	125	1-F 6	0910233-6	63	1-C16	0917365-9	69	1-C22	0920328-2	107	1-E12
0266424-1	125	1-F 6	0910243-5	83	1-D12	0917372-5	43	1-B20	0920352-2	29	1-B 6
0268365-4	95	1-D24	0910251-8	63	1-C16	0917373-3	93	1-D22	0920397-7	83	1-D12
0268404-1	109	1-E14	0910268-2	69	1-C22	0917377-4	149	1-G 6	0920414-0	169	1-H 2
0269529-4	83	1-D12	0910857-2	65	1-C18	0917379-0	53	1-C 6	0920415-7	139	1-F20
0269529-4	137	1-F18	0910923-2	225	1-J10	0917385-7	83	1-D12	0920435-5	85	1-D14
0269529-4	217	1-J 2	0910947-1	115	1-E20	0917395-6	83	1-D12	0920437-1	137	1-F18
0269529-4	221	1-J 6	0910963-8	101	1-E 6	0917415-2	91	1-D20	0920438-9	135	1-F16
0269529-4	231	1-J16	0910968-7	245	1-K 6	0917421-0	95	1-D24	0920439-7	221	1-J 6
0271316-2	173	1-H 6	0911041-2	131	1-F12	0917425-1	21	1-A22	0920490-0	181	1-H14
0271714-8	61	1-C14	0911115-4	45	1-B22	0917436-8	91	1-D20	0920611-1	225	1-J10
0272220-5	59	1-C12	0911169-1	37	1-B14	0917443-4	89	1-D18	0920623-6	35	1-B12
0349937-3	205	1-I14	0911325-9	195	1-I 4	0917452-5	69	1-C22	0920637-6	83	1-D12
0349937-3	209	1-I18	0911978-5	123	1-F 4	0917459-0	91	1-D20	0920676-4	139	1-F20
0349937-3	213	1-I22	0911987-6	103	1-E 8	0917479-8	91	1-D20	0920686-3	139	1-F20
0408431-5	145	1-G 2	0912064-3	63	1-C16	0917534-0	169	1-H 2	0920787-9	29	1-B 6
0408431-5	155	1-G12	0912069-2	187	1-H20	0917642-1	241	1-K 2	0920990-9	255	1-K16
0408431-5	161	1-G18	0912235-9	195	1-I 4	0917644-7	141	1-F22	0921024-6	107	1-E12
0604389-7	145	1-G 2	0912301-9	129	1-F10	0917648-8	141	1-F22	0921058-4	91	1-D20
0604389-7	155	1-G12	0912367-0	63	1-C16	0917664-5	221	1-J 6	0921115-2	139	1-F20
0627265-2	173	1-H 6	0912415-7	21	1-A22	0917666-0	131	1-F12	0921118-6	179	1-H12
0630660-9	175	1-H 8	0912592-3	21	1-A22	0917776-7	195	1-I 4	0921139-2	111	1-E16
0630661-7	175	1-H 8	0912725-9	37	1-B14	0917778-3	197	1-I 6	0921141-8	215	1-I24
0630663-3	175	1-H 8	0912726-7	123	1-F 4	0917835-1	229	1-J14	0921160-8	113	1-E18
0630664-1	175	1-H 8	0913160-8	89	1-D18	0917853-4	217	1-J 2	0921176-4	53	1-C 6
0630665-8	175	1-H 8	0913233-3	45	1-B22	0918158-7	241	1-K 2	0921203-6	221	1-J 6
0630666-6	175	1-H 8	0913901-5	39	1-B16	0918199-1	21	1-A22	0921204-4	197	1-I 6
0630667-4	175	1-H 8	0913958-5	231	1-J16	0918241-1	131	1-F12	0921205-1	229	1-J14
0630674-0	175	1-H 8	0913974-2	233	1-J18	0918249-4	245	1-K 6	0921206-9	139	1-F20
0630675-7	175	1-H 8	0914007-0	95	1-D24	0918264-3	69	1-C22	0921210-1	45	1-B22
0630676-5	175	1-H 8	0914093-0	139	1-F20	0918265-0	53	1-C 6	0921212-7	115	1-E20
0630678-1	175	1-H 8	0914120-1	249	1-K10	0918266-8	45	1-B22	0921214-3	101	1-E 6
0630679-9	175	1-H 8	0914198-7	187	1-H20	0918268-4	111	1-E16	0921215-0	181	1-H14
0630680-7	175	1-H 8	0914465-0	101	1-E 6	0918269-2	89	1-D18	0921216-8	101	1-E 6
0630681-5	175	1-H 8	0915276-0	101	1-E 6	0918356-7	243	1-K 4	0921217-6	139	1-F20
0630682-3	175	1-H 8	0915315-6	229	1-J14	0918368-2	233	1-J18	0921227-5	181	1-H14
0638399-6	175	1-H 8	0915399-0	45	1-B22	0918403-7	85	1-D14	0921244-0	179	1-H12
0638400-2	175	1-H 8	0915500-3	257	1-K18	0918448-2	83	1-D12	0921279-6	167	1-G24
0638402-8	175	1-H 8	0915502-9	107	1-E12	0918452-4	135	1-F16	0921292-9	111	1-E16
0638405-1	177	1-H10	0915569-8	167	1-G24	0918458-1	103	1-E 8	0921326-5	229	1-J14
0638407-7	177	1-H10	0915661-3	265	1-L 2	0918468-0	239	1-J24	0921332-3	183	1-H16
0638411-9	177	1-H10	0915726-4	269	1-L 6	0918786-5	21	1-A22	0921333-1	43	1-B20
0638416-8	43	1-B20	0915763-7	101	1-E 6	0918787-3	169	1-H 2	0921349-7	101	1-E 6
0638440-8	177	1-H10	0915794-2	215	1-I24	0918850-9	121	1-F 2	0921384-4	139	1-F20
0638976-1	175	1-H 8	0915815-5	77	1-D 6	0918888-9	121	1-F 2	0921402-4	223	1-J 8
0639073-6	249	1-K10	0915840-3	47	1-B24	0918906-9	137	1-F18	0921409-9	139	1-F20
0639074-4	249	1-K10	0915856-9	265	1-L 2	0918945-7	93	1-D22	0921432-1	147	1-G 4
0643022-7	175	1-H 8	0916079-7	83	1-D12	0918960-6	263	1-K24	0921433-9	239	1-J24
0649665-7	95	1-D24	0916206-6	25	1-B 2	0919063-8	51	1-C 4	0921515-3	21	1-A22
0664020-5	191	1-H24	0916273-6	115	1-E20	0919065-3	167	1-G24	0921682-1	183	1-H16
0669623-1	191	1-H24	0916277-7	221	1-J 6	0919134-7	115	1-E20	0921691-2	193	1-I 2
0900825-1	229	1-J14	0916382-5	77	1-D 6	0919205-5	51	1-C 4	0921719-1	137	1-F18
0900996-0	91	1-D20	0916399-9	37	1-B14	0919262-6	175	1-H 8	0921728-2	179	1-H12
0901467-1	45	1-B22	0916410-4	111	1-E16	0919267-5	139	1-F20	0921874-4	119	1-E24
0901468-9	89	1-D18	0916423-7	229	1-J14	0919268-3	181	1-H14	0921880-1	249	1-K10
0901653-6	53	1-C 6	0916450-0	255	1-K16	0919327-7	83	1-D12	0921886-8	139	1-F20
0901702-1	89	1-D18	0916586-1	103	1-E 8	0919332-7	89	1-D18	0921887-6	185	1-H18
0901723-7	245	1-K 6	0916602-6	41	1-B18	0919388-9	269	1-L 6	0921911-4	101	1-E 6
0901830-0	183	1-H16	0916621-6	83	1-D12	0919391-3	221	1-J 6	0921912-2	167	1-G24
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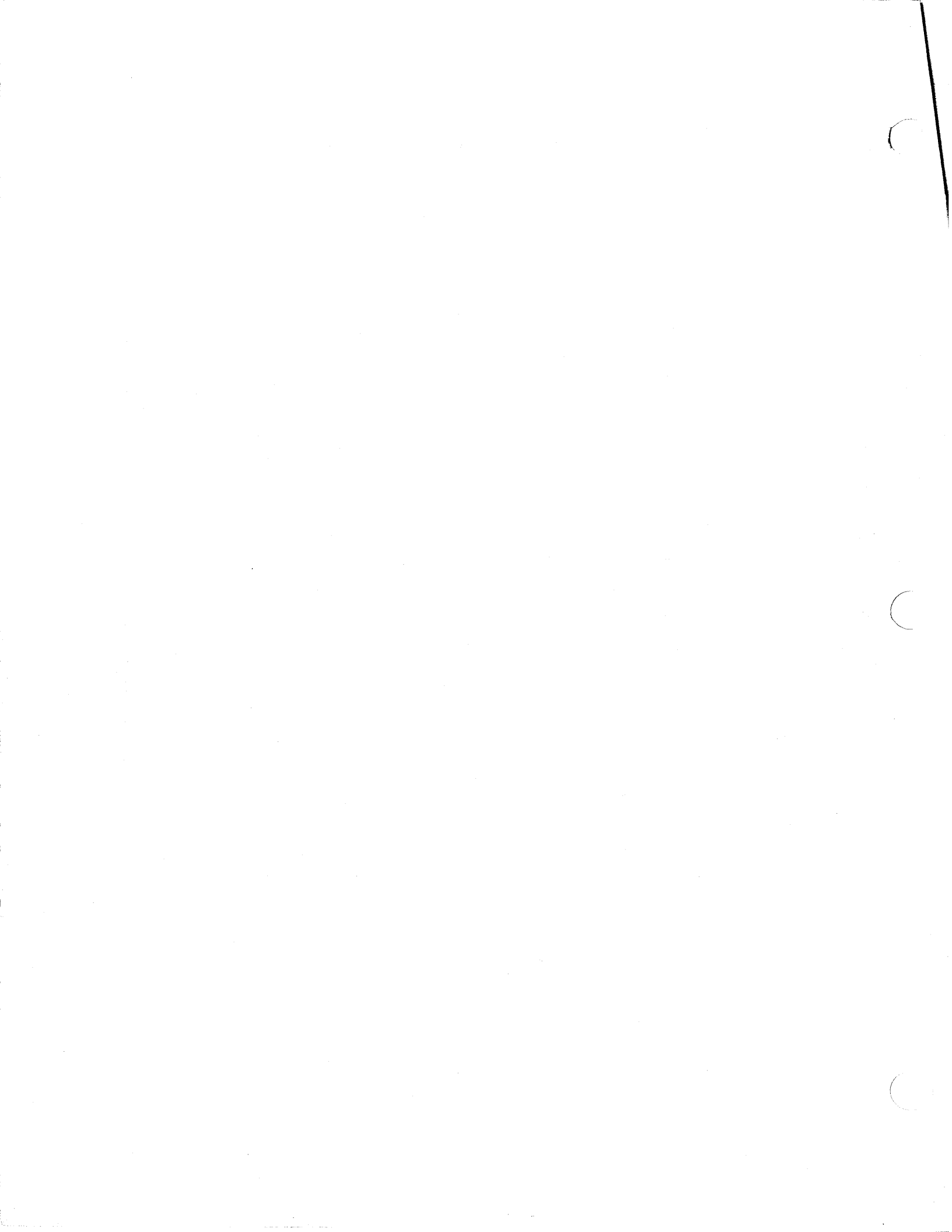
## NUMERICAL INDEX

Part	Page	Grid	Part	Page	Grid	Part	Page	Grid	Part	Page	Grid
0921914-8	43	1-B20	0923565-6	205	1-114	0926148-8	167	1-G24	0930983-2	45	1-B22
0921915-5	183	1-H16	0923566-4	205	1-114	0926161-1	147	1-G 4	0930984-0	147	1-G 4
0921919-7	89	1-D18	0923570-6	171	1-H 4	0926309-6	63	1-C16	0930996-4	145	1-G 2
0921926-2	261	1-K22	0923571-4	187	1-H20	0926321-1	91	1-D20	0931005-3	101	1-E 6
0921958-5	29	1-B 6	0923574-8	139	1-F20	0926612-3	205	1-114	0931637-3	161	1-G18
0921960-1	87	1-D16	0923575-5	139	1-F20	0926616-4	201	1-110	0934894-7	205	1-114
0921965-0	51	1-C 4	0923577-1	171	1-H 4	0926621-4	171	1-H 4	1000065-1	201	1-110
0921966-8	127	1-F 8	0923578-9	179	1-H12	0926625-5	195	1-1 4	1000130-3	201	1-110
0921967-6	115	1-E20	0923582-1	195	1-1 4	0926627-1	201	1-110	1000133-7	201	1-110
0921969-2	49	1-C 2	0923590-4	197	1-1 6	0926629-7	195	1-1 4	1000145-1	201	1-110
0921971-8	87	1-D16	0923645-6	189	1-H22	0926671-9	121	1-F 2	1000146-9	201	1-110
0921973-4	139	1-F20	0923662-1	249	1-K10	09266813-7	191	1-H24	1000157-6	199	1-1 8
0921977-5	87	1-D16	0923663-9	211	1-120	0926842-6	263	1-K24	1000171-7	199	1-1 8
0921978-3	115	1-E20	0923719-9	205	1-114	0926867-3	181	1-H14	1000200-4	205	1-114
0921984-1	87	1-D16	0923732-2	27	1-B 4	0926870-7	167	1-G24	1000204-6	205	1-114
0921985-8	35	1-B12	0923815-5	199	1-1 8	0926871-5	69	1-C22	1000204-6	221	1-J 6
0921986-6	49	1-C 2	0923816-3	201	1-110	0926900-2	101	1-E 6	1000241-8	213	1-122
0921987-4	75	1-D 4	0923817-1	121	1-F 2	0926917-6	263	1-K24	1000242-6	209	1-118
0921991-6	183	1-H16	0923829-6	215	1-124	0926921-8	87	1-D16	1000249-1	205	1-114
0922015-3	85	1-D14	0923849-4	205	1-114	0926923-4	179	1-H12	1000249-1	209	1-118
0922086-4	231	1-J16	0923875-9	203	1-112	0926924-2	111	1-E16	1000249-1	213	1-122
0922088-0	91	1-D20	0923894-0	211	1-120	0926928-3	101	1-E 6	1000254-1	197	1-1 6
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0922130-0	181	1-H14	0923919-5	265	1-L 2	0926931-7	101	1-E 6	1000259-0	205	1-114
0922131-8	95	1-D24	0923938-5	87	1-D16	0927023-2	115	1-E20	1000393-7	225	1-J10
0922186-2	179	1-H12	0923945-0	205	1-114	0927057-0	25	1-B 2	1000398-6	171	1-H 4
0922195-3	181	1-H14	0923986-4	207	1-116	0927068-7	35	1-B12	1000441-4	171	1-H 4
09222304-1	255	1-K16	0923987-2	205	1-114	0927084-4	103	1-E 8	1000447-1	197	1-1 6
0922457-7	167	1-G24	0923988-0	205	1-114	0927097-6	167	1-G24	1000456-2	197	1-1 6
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0922507-9	225	1-J10	0924069-8	139	1-F20	0927102-4	51	1-C 4	1000546-0	171	1-H 4
0922586-3	21	1-A22	0924110-0	201	1-110	0927108-1	111	1-E16	1000620-3	201	1-110
0922636-6	83	1-D12	0924119-1	123	1-F 4	0927119-8	139	1-F20	1000622-9	195	1-1 4
0922645-7	169	1-H 2	0924128-2	197	1-1 6	0927155-2	87	1-D16	1000622-9	201	1-110
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0922813-1	103	1-E 8	0924356-9	51	1-C 4	0927342-6	41	1-B18	1000761-5	213	1-122
0922815-6	105	1-E10	0924367-6	269	1-L 6	0927447-3	241	1-K 2	1000762-3	205	1-114
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0922935-2	139	1-F20	0924457-5	109	1-E14	0927682-5	175	1-H 8	1000764-9	205	1-114
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0922949-3	141	1-F22	0924770-1	195	1-1 4	0927751-8	227	1-J12	1000764-9	213	1-122
0922997-2	181	1-H14	0924774-3	269	1-L 6	0927902-7	263	1-K24	1000765-6	205	1-114
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0923093-9	135	1-F16	0925031-7	193	1-1 2	0928176-7	263	1-K24	1000767-2	205	1-114
0923114-3	169	1-H 2	0925041-6	221	1-J 6	0928179-1	229	1-J14	1000767-2	209	1-118
0923154-9	111	1-E16	0925046-5	139	1-F20	0928288-0	263	1-K24	1000767-2	213	1-122
0923171-3	49	1-C 2	0925056-4	167	1-G24	0928304-5	265	1-L 2	1000799-5	211	1-120
0923191-1	255	1-K16	0925057-2	183	1-H16	0928346-6	203	1-112	1000800-1	211	1-120
0923220-8	107	1-E12	0925093-7	45	1-B22	0928424-1	47	1-B24	1000801-9	213	1-122
0923272-9	141	1-F22	0925094-5	87	1-D16	0928464-7	245	1-K 6	1000802-7	213	1-122
0923292-7	223	1-J 8	0925108-3	267	1-L 4	0928470-4	245	1-K 6	1000806-8	205	1-114
0923300-8	249	1-K10	0925109-1	267	1-L 4	0928629-5	263	1-K24	1000806-8	209	1-118
0923310-7	37	1-B14	0925110-9	267	1-L 4	0928631-1	263	1-K24	1000806-8	219	1-J 4
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0923334-7	173	1-H 6	0925154-7	45	1-B22	0928893-7	101	1-E 6	1000807-6	213	1-122
0923335-4	173	1-H 6	0925238-8	245	1-K 6	0928938-0	187	1-H20	1000807-6	221	1-J 6
0923337-0	173	1-H 6	0925257-8	195	1-1 4	0929390-3	201	1-110	1000812-6	211	1-120
0923341-2	87	1-D16	0925616-5	139	1-F20	0929396-0	161	1-G18	1000813-4	209	1-118
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0923376-8	205	1-114	0925665-2	75	1-D 4	0930263-9	21	1-A22	1000815-9	209	1-118
0923412-1	223	1-J 8	0925719-7	141	1-F22	0930328-0	215	1-124	1000817-5	205	1-114
0923471-7	143	1-F24	0925835-1	179	1-H12	0930331-4	215	1-124	1000817-5	209	1-118
0923472-5	143	1-F24	0925928-4	263	1-K24	0930340-5	197	1-1 6	1000817-5	213	1-122
0923475-8	257	1-K18	0925998-7	101	1-E 6	0930376-9	145	1-G 2	1000818-3	205	1-114
0923491-5	143	1-F24	0926024-1	75	1-D 4	0930471-8	145	1-G 2	1000818-3	209	1-118
0923494-9	159	1-G16	0926049-8	87	1-D16	0930765-3	201	1-110	1000818-3	213	1-122
0923495-6	225	1-J10	0926115-7	167	1-G24	0930776-0	187	1-H20	1000819-1	207	1-116
0923504-5	167	1-G24	0926117-3	111	1-E16	0930864-4	147	1-G 4	1000819-1	211	1-120
0923519-3	245	1-K 6	0926118-1	111	1-E16	0930885-9	145	1-G 2	1000819-1	213	1-122



## NUMERICAL INDEX

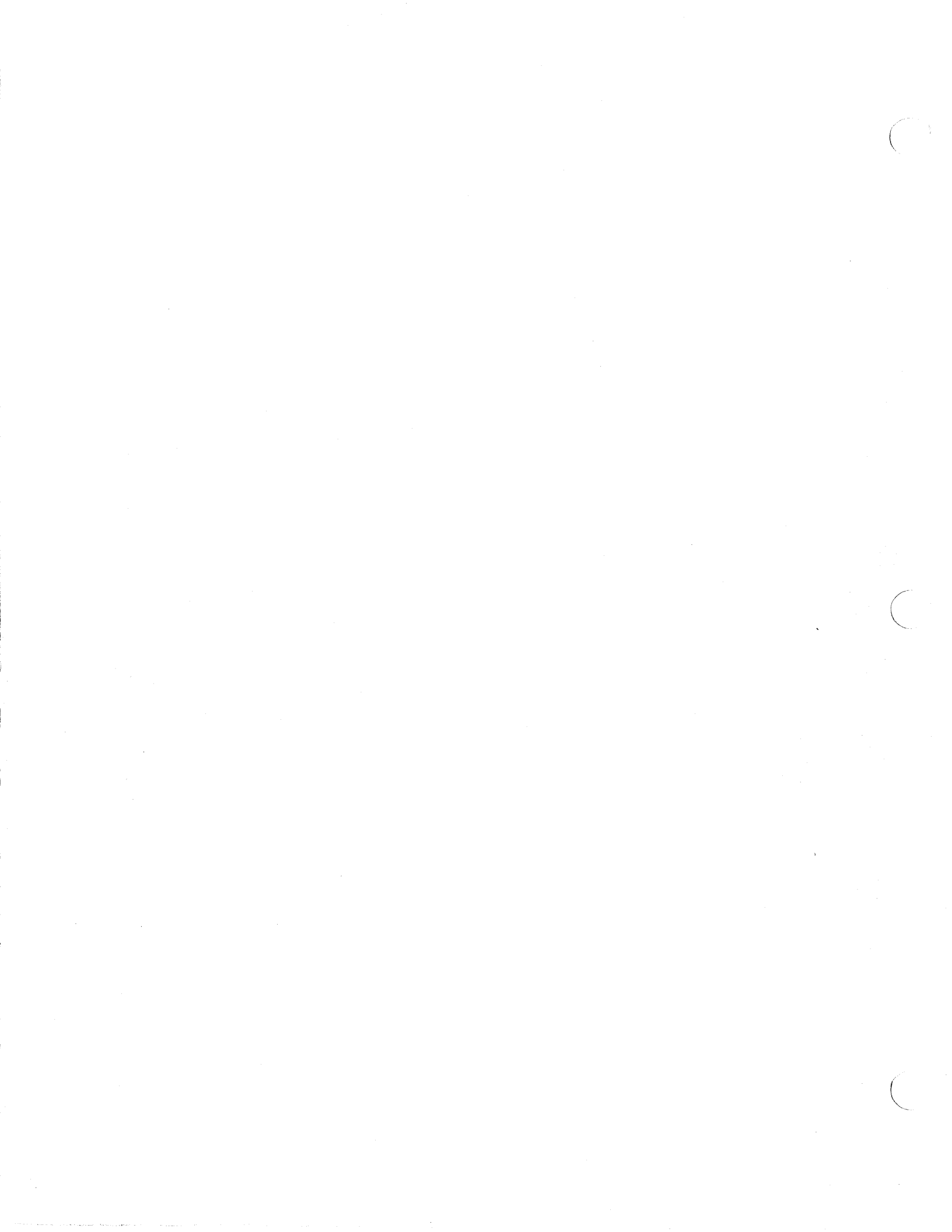
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1000844-9	209	1- I18	1001823-2	267	1- L 4	1003305-8	91	1- D20	1005019-3	25	1- B 2
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1000886-0	221	1- J 6	1001907-3	213	1- I22	1004080-6	169	1- H 2	1005030-0	33	1- B10
1000889-4	225	1- J10	1002048-5	221	1- J 6	1004092-1	233	1- J18	1005033-4	23	1- A24
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1000891-0	219	1- J 4	1002153-3	211	1- I20	1004099-6	255	1- K16	1005038-3	37	1- B14
1000913-2	201	1- I10	1002154-1	211	1- I20	1004100-2	195	1- I 4	1005040-9	37	1- B14
1000992-6	197	1- I 6	1002235-8	259	1- K20	1004100-2	197	1- I 6	1005041-7	37	1- B14
1000993-4	197	1- I 6	1002258-0	223	1- J 8	1004100-2	225	1- J10	1005042-5	37	1- B14
1000994-2	197	1- I 6	1002370-3	25	1- B 2	1004100-2	227	1- J12	1005044-1	37	1- B14
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1001030-4	253	1- K14	1002403-2	201	1- I10	1004100-2	233	1- J18	1005046-6	37	1- B14
1001068-4	171	1- H 4	1002421-4	257	1- K18	1004101-0	223	1- J 8	1005047-4	37	1- B14
1001074-2	171	1- H 4	1002421-4	259	1- K20	1004101-0	233	1- J18	1005048-2	37	1- B14
1001076-7	171	1- H 4	1002424-8	257	1- K18	1004108-5	233	1- J18	1005049-0	37	1- B14
1001077-5	171	1- H 4	1002427-1	257	1- K18	1004110-1	233	1- J18	1005050-8	37	1- B14
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1001079-1	195	1- I 4	1002430-5	257	1- K18	1004118-4	223	1- J 8	1005052-4	37	1- B14
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1001089-0	171	1- H 4	1002437-0	257	1- K18	1004118-4	233	1- J18	1005055-7	37	1- B14
1001090-8	195	1- I 4	1002437-0	259	1- K20	1004118-4	255	1- K16	1005057-3	37	1- B14
1001098-1	195	1- I 4	1002438-8	257	1- K18	1004119-2	233	1- J18	1005059-9	27	1- B 4
1001099-9	195	1- I 4	1002438-8	259	1- K20	1004119-2	255	1- K16	1005059-9	31	1- B 8
1001100-5	195	1- I 4	1002456-0	203	1- I12	1004338-8	135	1- F16	1005060-7	31	1- B 8
1001104-7	197	1- I 6	1002473-5	229	1- J14	1004339-6	135	1- F16	1005061-5	31	1- B 8
1001105-4	197	1- I 6	1002474-3	229	1- J14	1004405-5	95	1- D24	1005065-6	27	1- B 4
1001115-3	225	1- J10	1002479-2	205	1- I14	1004422-0	43	1- B20	1005067-2	27	1- B 4
1001115-3	229	1- J14	1002479-2	209	1- I18	1004482-4	233	1- J18	1005068-0	75	1- D 4
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1001207-8	229	1- J14	1002590-6	227	1- J12	1004564-9	255	1- K16	1005076-3	77	1- D 6
1001214-4	225	1- J10	1002592-2	227	1- J12	1004565-6	255	1- K16	1005077-1	75	1- D 4
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1001734-1	209	1- I18	1002952-8	117	1- E22	1004941-9	175	1- H 8	1005101-9	65	1- C18
1001734-1	219	1- J 4	1002953-6	115	1- E20	1004945-0	175	1- H 8	1005101-9	67	1- C20
1001734-1	221	1- J 6	1002957-7	119	1- E24	1004946-8	175	1- H 8	1005104-3	63	1- C16
1001735-8	213	1- I22	1002959-3	117	1- E22	1004947-6	175	1- H 8	1005106-8	23	1- A24
1001736-6	209	1- I18	1002961-9	119	1- E24	1004949-2	175	1- H 8	1005106-8	29	1- B 6
1001775-4	225	1- J10	1002962-7	119	1- E24	1004950-0	175	1- H 8	1005145-6	61	1- C14
1001780-4	207	1- I16	1002963-5	119	1- E24	1004951-8	103	1- E 8	1005148-0	61	1- C14
1001780-4	211	1- I20	1002964-3	119	1- E24	1004952-6	103	1- E 8	1005150-6	61	1- C14
1001780-4	213	1- I22	1002965-0	125	1- F 6	1004953-4	103	1- E 8	1005151-4	61	1- C14
1001798-6	267	1- L 4	1002966-8	125	1- F 6	1005005-2	21	1- A22	1005153-0	61	1- C14





## NUMERICAL INDEX

Part	Page	Grid	Part	Page	Grid	Part	Page	Grid	Part	Page	Grid
1005154-8	61	1-C14	1005434-4	215	1-124	1005909-5	109	1-E14	1006334-5	179	1-H12
1005155-5	61	1-C14	1005435-1	215	1-124	1005918-6	89	1-D18	1006335-2	179	1-H12
1005156-3	61	1-C14	1005436-9	215	1-124	1005918-6	139	1-F20	1006342-8	169	1-H 2
1005157-1	61	1-C14	1005437-7	215	1-124	1005925-1	103	1-E 8	1006343-6	169	1-H 2
1005158-9	61	1-C14	1005438-5	215	1-124	1005926-9	103	1-E 8	1006345-1	233	1-J18
1005159-7	61	1-C14	1005440-1	215	1-124	1005927-7	103	1-E 8	1006346-9	233	1-J18
1005160-5	59	1-C12	1005441-9	261	1-K22	1005928-5	103	1-E 8	1006347-7	233	1-J18
1005165-4	59	1-C12	1005442-7	261	1-K22	1005929-3	103	1-E 8	1006348-5	233	1-J18
1005166-2	57	1-C10	1005443-5	261	1-K22	1006014-3	143	1-F24	1006349-3	233	1-J18
1005167-0	57	1-C10	1005444-3	215	1-124	1006170-3	169	1-H 2	1006350-1	183	1-H16
1005168-8	57	1-C10	1005445-0	215	1-124	1006173-7	169	1-H 2	1006352-7	101	1-E 6
1005169-6	57	1-C10	1005447-6	215	1-124	1006174-5	169	1-H 2	1006352-7	225	1-J10
1005170-4	57	1-C10	1005450-0	215	1-124	1006175-2	169	1-H 2	1006353-5	101	1-E 6
1005171-2	57	1-C10	1005453-4	215	1-124	1006176-0	169	1-H 2	1006359-2	83	1-D12
1005173-8	59	1-C12	1005455-9	215	1-124	1006177-8	169	1-H 2	1006360-0	83	1-D12
1005174-6	57	1-C10	1005456-7	215	1-124	1006178-6	169	1-H 2	1006363-4	83	1-D12
1005177-9	93	1-D22	1005459-1	261	1-K22	1006179-4	169	1-H 2	1006363-4	137	1-F18
1005179-5	93	1-D22	1005460-9	247	1-K 8	1006194-3	123	1-F 4	1006366-7	137	1-F18
1005180-3	93	1-D22	1005461-7	247	1-K 8	1006196-8	167	1-G24	1006367-5	137	1-F18
1005181-1	93	1-D22	1005462-5	247	1-K 8	1006197-6	167	1-G24	1006369-1	137	1-F18
1005182-9	93	1-D22	1005465-8	247	1-K 8	1006198-4	167	1-G24	1006371-7	185	1-H18
1005183-7	93	1-D22	1005466-6	247	1-K 8	1006200-8	111	1-E16	1006374-1	181	1-H14
1005184-5	93	1-D22	1005467-4	247	1-K 8	1006201-6	111	1-E16	1006383-2	131	1-F12
1005185-2	93	1-D22	1005468-2	247	1-K 8	1006206-5	111	1-E16	1006384-0	51	1-C 4
1005186-0	93	1-D22	1005469-0	247	1-K 8	1006207-3	111	1-E16	1006384-0	53	1-C 6
1005187-8	93	1-D22	1005470-8	247	1-K 8	1006208-1	111	1-E16	1006385-7	51	1-C 4
1005188-6	93	1-D22	1005471-6	245	1-K 6	1006209-9	51	1-C 4	1006385-7	53	1-C 6
1005189-4	93	1-D22	1005473-2	247	1-K 8	1006209-9	53	1-C 6	1006386-5	51	1-C 4
1005190-2	93	1-D22	1005474-0	247	1-K 8	1006210-7	51	1-C 4	1006387-3	51	1-C 4
1005191-0	93	1-D22	1005475-7	245	1-K 6	1006213-1	139	1-F20	1006389-9	43	1-B20
1005192-8	93	1-D22	1005475-7	251	1-K12	1006213-1	167	1-G24	1006390-7	43	1-B20
1005193-6	93	1-D22	1005476-5	251	1-K12	1006222-2	231	1-J16	1006391-5	45	1-B22
1005194-4	93	1-D22	1005477-3	251	1-K12	1006222-2	235	1-J20	1006391-5	263	1-K24
1005195-1	93	1-D22	1005479-9	251	1-K12	1006224-8	231	1-J16	1006392-3	191	1-H24
1005196-9	93	1-D22	1005480-7	251	1-K12	1006224-8	235	1-J20	1006393-1	133	1-F14
1005197-7	93	1-D22	1005481-5	245	1-K 6	1006225-5	217	1-J 2	1006394-9	191	1-H24
1005198-5	93	1-D22	1005495-5	233	1-J18	1006225-5	231	1-J16	1006395-6	87	1-D16
1005199-3	93	1-D22	1005715-6	147	1-G 4	1006225-5	235	1-J20	1006395-6	135	1-F16
1005200-9	93	1-D22	1005715-6	157	1-G14	1006227-1	137	1-F18	1006396-4	87	1-D16
1005201-7	93	1-D22	1005716-4	147	1-G 4	1006228-9	137	1-F18	1006397-2	87	1-D16
1005203-3	93	1-D22	1005716-4	157	1-G14	1006230-5	183	1-H16	1006399-8	97	1-E 2
1005204-1	93	1-D22	1005716-4	163	1-G20	1006233-9	167	1-G24	1006400-4	89	1-D18
1005233-0	47	1-B24	1005738-8	263	1-K24	1006234-7	167	1-G24	1006402-0	87	1-D16
1005244-7	255	1-K16	1005739-6	263	1-K24	1006235-4	167	1-G24	1006402-0	139	1-F20
1005245-4	255	1-K16	1005740-4	263	1-K24	1006237-0	235	1-J20	1006403-8	87	1-D16
1005246-2	255	1-K16	1005742-0	263	1-K24	1006238-8	85	1-D14	1006404-6	69	1-C22
1005302-3	165	1-G22	1005744-6	263	1-K24	1006240-4	137	1-F18	1006406-1	167	1-G24
1005306-4	165	1-G22	1005745-3	263	1-K24	1006242-0	181	1-H14	1006409-5	167	1-G24
1005339-5	215	1-124	1005746-1	263	1-K24	1006243-8	181	1-H14	1006410-3	183	1-H16
1005340-3	215	1-124	1005747-9	263	1-K24	1006244-6	183	1-H16	1006411-1	101	1-E 6
1005350-2	111	1-E16	1005748-7	263	1-K24	1006260-2	107	1-E12	1006419-4	135	1-F16
1005358-5	93	1-D22	1005749-5	263	1-K24	1006261-0	217	1-J 2	1006422-8	83	1-D12
1005359-3	93	1-D22	1005750-3	263	1-K24	1006261-0	231	1-J16	1006423-6	83	1-D12
1005360-1	215	1-124	1005751-1	263	1-K24	1006262-8	231	1-J16	1006433-5	183	1-H16
1005365-0	43	1-B20	1005752-9	263	1-K24	1006263-6	231	1-J16	1006434-3	179	1-H12
1005394-0	261	1-K22	1005753-7	263	1-K24	1006264-4	231	1-J16	1006435-0	179	1-H12
1005395-7	245	1-K 6	1005754-5	263	1-K24	1006265-1	181	1-H14	1006436-8	179	1-H12
1005396-5	245	1-K 6	1005755-2	263	1-K24	1006269-3	139	1-F20	1006437-6	181	1-H14
1005397-3	245	1-K 6	1005763-6	255	1-K16	1006269-3	179	1-H12	1006438-4	183	1-H16
1005398-1	245	1-K 6	1005764-4	255	1-K16	1006269-3	217	1-J 2	1006439-2	193	1-I 2
1005399-9	245	1-K 6	1005765-1	255	1-K16	1006272-7	231	1-J16	1006440-0	193	1-I 2
1005400-5	245	1-K 6	1005790-9	263	1-K24	1006273-5	231	1-J16	1006441-8	193	1-I 2
1005413-8	247	1-K 8	1005791-7	263	1-K24	1006274-3	231	1-J16	1006442-6	193	1-I 2
1005413-8	251	1-K12	1005823-8	157	1-G14	1006275-0	231	1-J16	1006443-4	193	1-I 2
1005419-5	251	1-K12	1005833-7	85	1-D14	1006286-7	223	1-J 8	1006444-2	233	1-J18
1005420-3	245	1-K 6	1005834-5	85	1-D14	1006287-5	223	1-J 8	1006445-9	105	1-E10
1005421-1	245	1-K 6	1005836-0	157	1-G14	1006288-3	223	1-J 8	1006446-7	51	1-C 4
1005422-9	245	1-K 6	1005836-0	163	1-G20	1006290-9	223	1-J 8	1006446-7	53	1-C 6
1005423-7	245	1-K 6	1005837-8	147	1-G 4	1006291-7	223	1-J 8	1006447-5	51	1-C 4
1005424-5	245	1-K 6	1005837-8	157	1-G14	1006314-7	107	1-E12	1006447-5	53	1-C 6
1005428-6	261	1-K22	1005837-8	163	1-G20	1006315-4	131	1-F12	1006448-3	179	1-H12
1005429-4	261	1-K22	1005838-6	157	1-G14	1006327-9	105	1-E10	1006449-1	69	1-C22
1005431-0	261	1-K22	1005838-6	163	1-G20	1006329-5	131	1-F12	1006450-9	69	1-C22
1005432-8	261	1-K22	1005839-4	157	1-G14	1006332-9	45	1-B22	1006456-6	137	1-F18
1005433-6	261	1-K22	1005839-4	163	1-G20	1006333-7	179	1-H12	1006458-2	105	1-E10



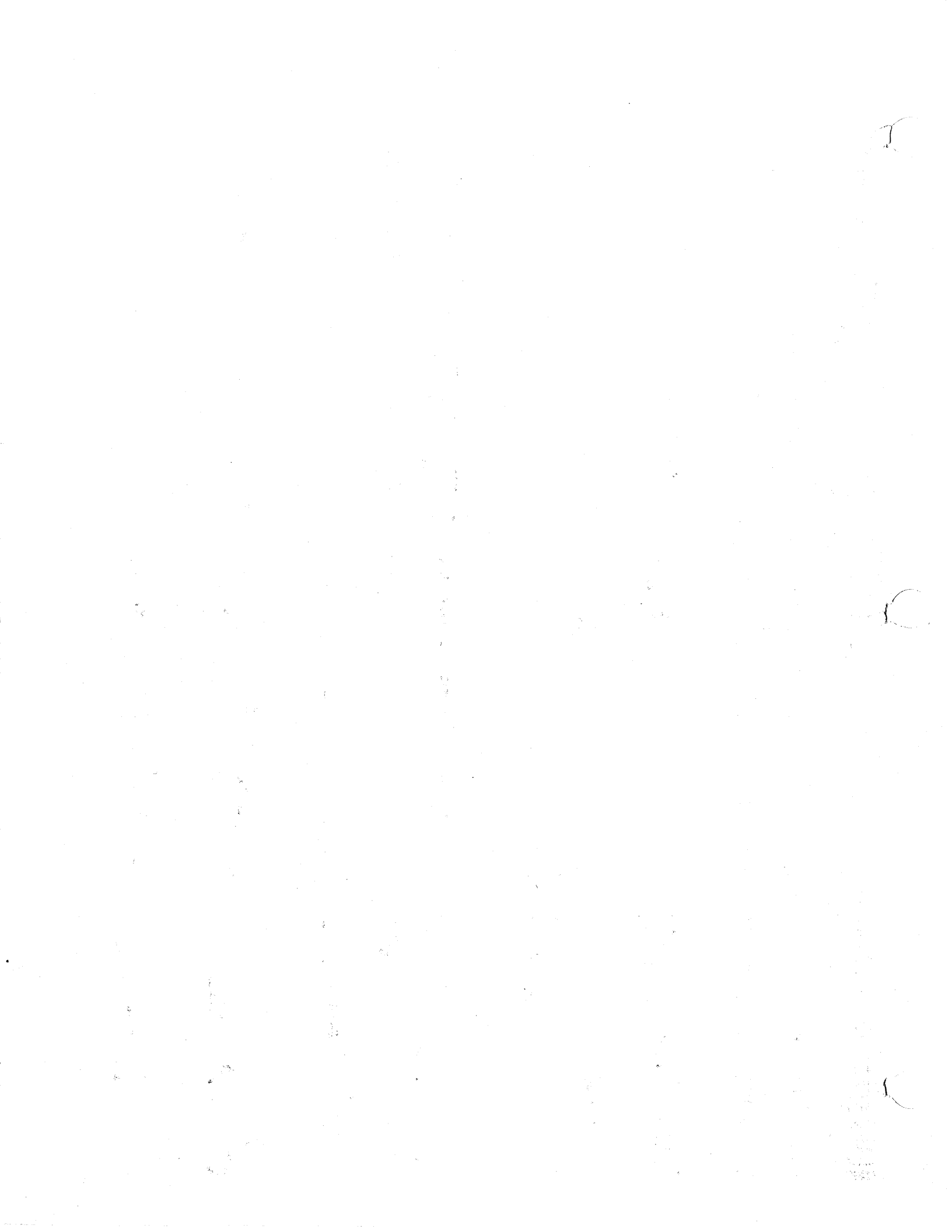
## NUMERICAL INDEX

Part	Page	Grid	Part	Page	Grid	Part	Page	Grid	Part	Page	Grid
1006459-0	105	1-E10	1006756-9	129	1-F10	1006851-8	149	1-G 6	1007022-5	87	1-D16
1006460-8	105	1-E10	1006757-7	125	1-F 6	1006852-6	149	1-G 6	1007027-4	135	1-F16
1006461-6	105	1-E10	1006758-5	125	1-F 6	1006853-4	149	1-G 6	1007028-2	135	1-F16
1006462-4	103	1-E 8	1006759-3	123	1-F 4	1006854-2	149	1-G 6	1007030-8	149	1-G 6
1006463-2	103	1-E 8	1006760-1	123	1-F 4	1006855-9	149	1-G 6	1007031-6	107	1-E12
1006484-8	105	1-E10	1006761-9	123	1-F 4	1006856-7	149	1-G 6	1007032-4	125	1-F 6
1006485-5	105	1-E10	1006762-7	127	1-F 8	1006857-5	149	1-G 6	1007033-2	125	1-F 6
1006498-8	185	1-H18	1006763-5	127	1-F 8	1006859-1	149	1-G 6	1007034-0	125	1-F 6
1006507-6	191	1-H24	1006764-3	127	1-F 8	1006860-9	147	1-G 4	1007035-7	125	1-F 6
1006508-4	191	1-H24	1006765-0	127	1-F 8	1006861-7	147	1-G 4	1007036-5	125	1-F 6
1006535-7	173	1-H 6	1006767-6	125	1-F 6	1006861-7	157	1-G14	1007037-3	123	1-F 4
1006536-5	115	1-E20	1006768-4	125	1-F 6	1006861-7	163	1-G20	1007038-1	123	1-F 4
1006542-3	99	1-E 4	1006769-2	125	1-F 6	1006862-5	147	1-G 4	1007039-9	123	1-F 4
1006572-0	91	1-D20	1006772-6	125	1-F 6	1006862-5	157	1-G14	1007040-7	123	1-F 4
1006573-8	91	1-D20	1006774-2	125	1-F 6	1006862-5	163	1-G20	1007041-5	123	1-F 4
1006575-3	171	1-H 4	1006775-9	129	1-F10	1006864-1	147	1-G 4	1007042-3	267	1-L 4
1006582-9	203	1- I12	1006776-7	129	1-F10	1006864-1	157	1-G14	1007043-1	267	1-L 4
1006584-5	103	1-E 8	1006777-5	129	1-F10	1006864-1	163	1-G20	1007046-4	115	1-E20
1006598-5	137	1-F18	1006779-1	123	1-F 4	1006865-8	149	1-G 6	1007046-4	117	1-E22
1006599-3	83	1-D12	1006780-9	123	1-F 4	1006866-6	149	1-G 6	1007047-2	121	1-F 2
1006600-9	137	1-F18	1006781-7	123	1-F 4	1006866-6	151	1-G 8	1007048-0	267	1-L 4
1006603-3	107	1-E12	1006782-5	127	1-F 8	1006870-8	147	1-G 4	1007050-6	191	1-H24
1006604-1	91	1-D20	1006783-3	127	1-F 8	1006870-8	157	1-G14	1007051-4	193	1- I 2
1006605-8	91	1-D20	1006784-1	127	1-F 8	1006870-8	163	1-G20	1007053-0	191	1-H24
1006606-6	91	1-D20	1006786-6	125	1-F 6	1006871-6	101	1-E 6	1007054-8	193	1- I 2
1006607-4	91	1-D20	1006787-4	125	1-F 6	1006875-7	149	1-G 6	1007061-3	133	1-F14
1006614-0	217	1-J 2	1006788-2	125	1-F 6	1006877-3	121	1-F 2	1007062-1	133	1-F14
1006615-7	167	1-G24	1006790-8	125	1-F 6	1006880-7	117	1-E22	1007069-6	171	1-H 4
1006619-9	217	1-J 2	1006794-0	125	1-F 6	1006882-3	127	1-F 8	1007070-4	171	1-H 4
1006622-3	101	1-E 6	1006795-7	129	1-F10	1006885-6	115	1-E20	1007071-2	171	1-H 4
1006623-1	131	1-F12	1006796-5	125	1-F 6	1006890-6	119	1-E24	1007075-3	137	1-F18
1006625-6	89	1-D18	1006797-3	123	1-F 4	1006891-4	119	1-E24	1007076-1	137	1-F18
1006628-0	181	1-H14	1006798-1	127	1-F 8	1006933-4	185	1-H18	1007087-8	131	1-F12
1006635-5	225	1-J10	1006799-9	127	1-F 8	1006946-6	109	1-E14	1007089-4	131	1-F12
1006644-7	69	1-C22	1006800-5	127	1-F 8	1006950-8	187	1-H20	1007090-2	69	1-C22
1006644-7	87	1-D16	1006801-3	127	1-F 8	1006951-6	189	1-H22	1007096-9	231	1-J16
1006646-2	89	1-D18	1006803-9	123	1-F 4	1006952-4	187	1-H20	1007096-9	235	1-J20
1006649-6	97	1-E 2	1006805-4	127	1-F 8	1006953-2	187	1-H20	1007097-7	47	1-B24
1006651-2	217	1-J 2	1006806-2	125	1-F 6	1006956-5	187	1-H20	1007099-3	139	1-F20
1006662-9	191	1-H24	1006809-6	121	1-F 2	1006957-3	187	1-H20	1007100-9	167	1-G24
1006663-7	191	1-H24	1006813-8	41	1-B18	1006959-9	187	1-H20	1007101-7	167	1-G24
1006664-5	191	1-H24	1006814-6	217	1-J 2	1006960-7	187	1-H20	1007104-1	185	1-H18
1006667-8	169	1-H 2	1006814-6	221	1-J 6	1006961-5	187	1-H20	1007105-8	185	1-H18
1006675-1	267	1-L 4	1006814-6	235	1-J20	1006962-3	189	1-H22	1007106-6	185	1-H18
1006676-9	267	1-L 4	1006815-3	47	1-B24	1006963-1	189	1-H22	1007107-4	185	1-H18
1006677-7	267	1-L 4	1006816-1	47	1-B24	1006964-9	189	1-H22	1007108-2	185	1-H18
1006678-5	267	1-L 4	1006819-5	143	1-F24	1006965-6	189	1-H22	1007109-0	185	1-H18
1006682-7	225	1-J10	1006819-5	145	1-G 2	1006967-2	187	1-H20	1007110-8	185	1-H18
1006683-5	225	1-J10	1006819-5	153	1-G10	1006968-0	187	1-H20	1007111-6	51	1-C 4
1006685-0	225	1-J10	1006819-5	155	1-G12	1006969-8	83	1-D12	1007111-6	53	1-C 6
1006686-8	225	1-J10	1006821-1	143	1-F24	1006971-4	133	1-F14	1007113-2	51	1-C 4
1006715-5	163	1-G20	1006821-1	153	1-G10	1006973-0	133	1-F14	1007114-0	51	1-C 4
1006715-5	169	1-H 2	1006821-1	159	1-G16	1006974-8	133	1-F14	1007114-0	53	1-C 6
1006716-3	169	1-H 2	1006823-7	147	1-G 4	1006982-1	131	1-F12	1007115-7	85	1-D14
1006727-0	233	1-J18	1006823-7	157	1-G14	1006986-2	131	1-F12	1007116-5	85	1-D14
1006728-8	181	1-H14	1006823-7	163	1-G20	1006987-0	131	1-F12	1007117-3	85	1-D14
1006728-8	183	1-H16	1006825-2	147	1-G 4	1006988-8	131	1-F12	1007118-1	85	1-D14
1006736-1	135	1-F16	1006825-2	157	1-G14	1006989-6	131	1-F12	1007119-9	85	1-D14
1006737-9	135	1-F16	1006825-2	163	1-G20	1006990-4	131	1-F12	1007120-7	85	1-D14
1006738-7	107	1-E12	1006826-0	147	1-G 4	1006991-2	97	1-E 2	1007121-5	85	1-D14
1006739-5	107	1-E12	1006826-0	157	1-G14	1006991-2	99	1-E 4	1007122-3	85	1-D14
1006740-3	123	1-F 4	1006826-0	163	1-G20	1006992-0	97	1-E 2	1007123-1	85	1-D14
1006742-9	123	1-F 4	1006834-4	143	1-F24	1006992-0	99	1-E 4	1007124-9	85	1-D14
1006743-7	123	1-F 4	1006834-4	153	1-G10	1006997-9	233	1-J18	1007125-6	85	1-D14
1006744-5	123	1-F 4	1006834-4	159	1-G16	1007001-9	233	1-J18	1007129-8	83	1-D12
1006745-2	123	1-F 4	1006837-7	145	1-G 2	1007005-0	109	1-E14	1007130-6	83	1-D12
1006746-0	123	1-F 4	1006837-7	155	1-G12	1007006-8	109	1-E14	1007136-3	101	1-E 6
1006747-8	127	1-F 8	1006837-7	161	1-G18	1007007-6	109	1-E14	1007137-1	109	1-E14
1006749-4	127	1-F 8	1006840-1	145	1-G 2	1007011-8	149	1-G 6	1007152-0	107	1-E12
1006750-2	127	1-F 8	1006840-1	155	1-G12	1007012-6	149	1-G 6	1007157-9	183	1-H16
1006751-0	127	1-F 8	1006841-9	145	1-G 2	1007014-2	149	1-G 6	1007158-7	183	1-H16
1006752-8	125	1-F 6	1006841-9	155	1-G12	1007015-9	149	1-G 6	1007164-5	139	1-F20
1006753-6	125	1-F 6	1006842-7	145	1-G 2	1007016-7	131	1-F12	1007164-5	141	1-F22
1006754-4	129	1-F10	1006842-7	155	1-G12	1007018-3	109	1-E14	1007165-2	141	1-F22
1006755-1	125	1-F 6	1006842-7	161	1-G18	1007020-9	101	1-E 6	1007177-7	141	1-F22



## NUMERICAL INDEX

Part	Page	Grid	Part	Page	Grid	Part	Page	Grid	Part	Page	Grid
1007178-5	141	1-F22	1007335-1	237	1-J22	1007962-2	67	1-C20	1010356-2	243	1-K 4
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1007180-1	141	1-F22	1007337-7	237	1-J22	1007966-3	67	1-C20	1010359-6	241	1-K 2
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1007206-4	265	1-L 2	1007347-6	237	1-J22	1008043-0	61	1-C14	1010464-4	79	1-D 8
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1007217-1	175	1-H 8	1007357-5	223	1-J 8	1008049-7	59	1-C12	1010519-5	69	1-C22
1007218-9	51	1-C 4	1007360-9	107	1-E12	1008050-5	57	1-C10	1011774-5	27	1-B 4
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1007295-7	219	1-J 4	1007671-9	33	1-B10	1009735-0	221	1-J 6	1013273-6	249	1-K10
1007300-5	219	1-J 4	1007673-5	37	1-B14	1009739-2	221	1-J 6	1013274-4	249	1-K10
1007303-9	109	1-E14	1007674-3	37	1-B14	1010152-5	255	1-K16	1013424-5	169	1-H 2
1007303-9	219	1-J 4	1007675-0	37	1-B14	1010153-3	255	1-K16	1013460-9	169	1-H 2
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1007312-0	237	1-J22	1007684-2	79	1-D 8	1010325-7	241	1-K 2	1014427-7	241	1-K 2
1007313-8	237	1-J22	1007686-7	55	1-C 8	1010326-5	241	1-K 2	1014464-0	77	1-D 6
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1007318-7	239	1-J24	1007747-7	109	1-E14	1010343-0	241	1-K 2	1014837-7	157	1-G14
1007319-5	239	1-J24	1007805-3	139	1-F20	1010343-0	249	1-K10	1014837-7	163	1-G20
1007320-3	239	1-J24	1007806-1	139	1-F20	1010344-8	241	1-K 2	1014843-5	153	1-G10
1007322-9	239	1-J24	1007807-9	107	1-E12	1010345-5	241	1-K 2	1014844-3	161	1-G18
1007323-7	239	1-J24	1007808-7	107	1-E12	1010346-3	241	1-K 2	1014846-8	161	1-G18
1007325-2	239	1-J24	1007819-4	109	1-E14	1010347-1	243	1-K 4	1014850-0	145	1-G 2
1007326-0	239	1-J24	1007830-1	91	1-D20	1010348-9	241	1-K 2	1014850-0	155	1-G12
1007327-8	239	1-J24	1007831-9	85	1-D14	1010349-7	241	1-K 2	1014850-0	161	1-G18
1007328-6	239	1-J24	1007863-2	89	1-D18	1010350-5	241	1-K 2	1014875-7	145	1-G 2
1007329-4	239	1-J24	1007875-6	93	1-D22	1010351-3	243	1-K 4	1014875-7	155	1-G12
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1007332-8	237	1-J22	1007949-9	55	1-C 8	1010353-9	243	1-K 4	1014876-5	145	1-G 2
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## NUMERICAL INDEX

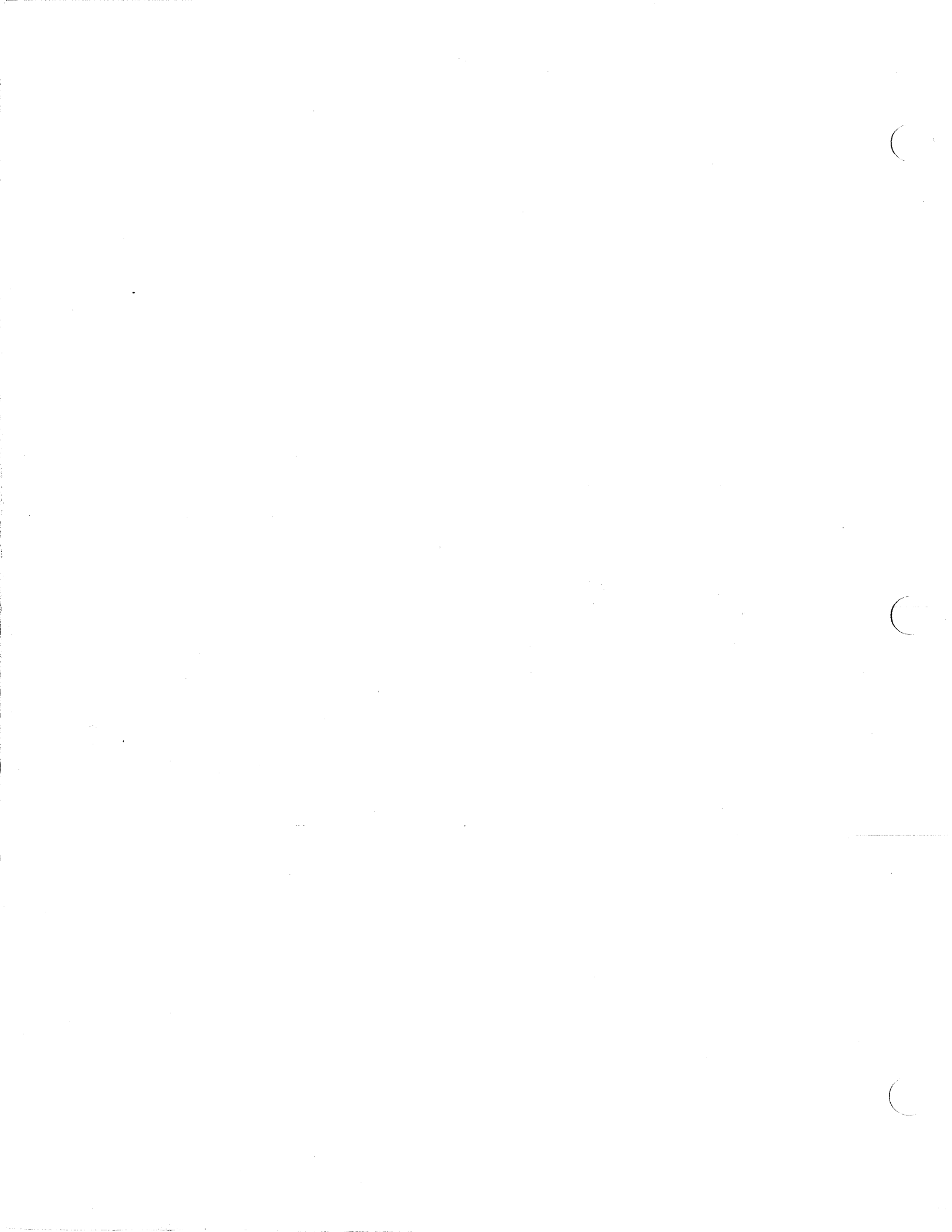
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1014879-9	47	1-B24	1121182-8	129	1-F10	2018412-3	195	1-I 4	3022121-2	163	1-G20
1014910-2	145	1-G 2	1121184-4	127	1-F 8	2018412-3	201	1-I10	3022262-4	149	1-G 6
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1015305-4	159	1-G16	1135116-0	205	1-I14	2018503-9	197	1-I 6	3024633-4	145	1-G 2
1015412-8	95	1-D24	1135116-0	207	1-I16	2018503-9	199	1-I 8	3024633-4	155	1-G12
1015543-0	21	1-A22	1135116-0	209	1-I18	2018635-9	201	1-I10	3024633-4	161	1-G18
1015564-6	143	1-F24	1135116-0	211	1-I20	2018636-7	201	1-I10	3024767-0	149	1-G 6
1015564-6	153	1-G10	1135116-0	213	1-I22	2018941-1	195	1-I 4	3027275-1	165	1-G22
1015564-6	159	1-G16	1143613-6	145	1-G 2	2018964-3	193	1-I 2	3027276-9	165	1-G22
1015565-3	157	1-G14	1143613-6	155	1-G12	2018964-3	227	1-J12	3027334-6	165	1-G22
1015565-3	163	1-G20	1143613-6	161	1-G18	2018992-4	203	1-I12	3027612-5	149	1-G 6
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1015742-8	33	1-B10	1146267-8	159	1-G16	2019870-1	203	1-I12	3028654-6	163	1-G20
1016348-3	29	1-B 6	1151438-7	193	1-I 2	2019977-4	195	1-I 4	3028656-1	147	1-G 4
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1018375-4	79	1-D 8	2016777-1	193	1-I 2	2020292-5	239	1-J24	3028717-1	155	1-G12
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1018407-5	77	1-D 6	2016779-7	193	1-I 2	2020415-2	251	1-K12	3028721-3	145	1-G 2
1018409-1	77	1-D 6	2016780-5	185	1-H18	2080243-5	73	1-D 2	3028724-7	145	1-G 2
1018559-3	35	1-B12	2016780-5	193	1-I 2	2080304-5	61	1-C14	3028724-7	155	1-G12
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1019758-0	173	1-H 6	2017635-0	255	1-K16	2091276-2	77	1-D 6	3028730-4	155	1-G12
1019961-0	193	1-I 2	2017636-8	253	1-K14	2091276-2	79	1-D 8	3028732-0	145	1-G 2
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1022919-3	161	1-G18	2018379-4	79	1-D 8	3013850-7	191	1-H24	3031761-4	143	1-F24
1023775-8	77	1-D 6	2018380-2	223	1-J 8	3013852-3	191	1-H24	3031761-4	153	1-G10
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1043401-7	253	1-K14	2018393-5	199	1-I 8	3014226-9	83	1-D12	3032781-1	155	1-G12
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1043675-6	227	1-J12	2018402-4	201	1-I10	3014535-3	149	1-G 6	3034907-0	163	1-G20
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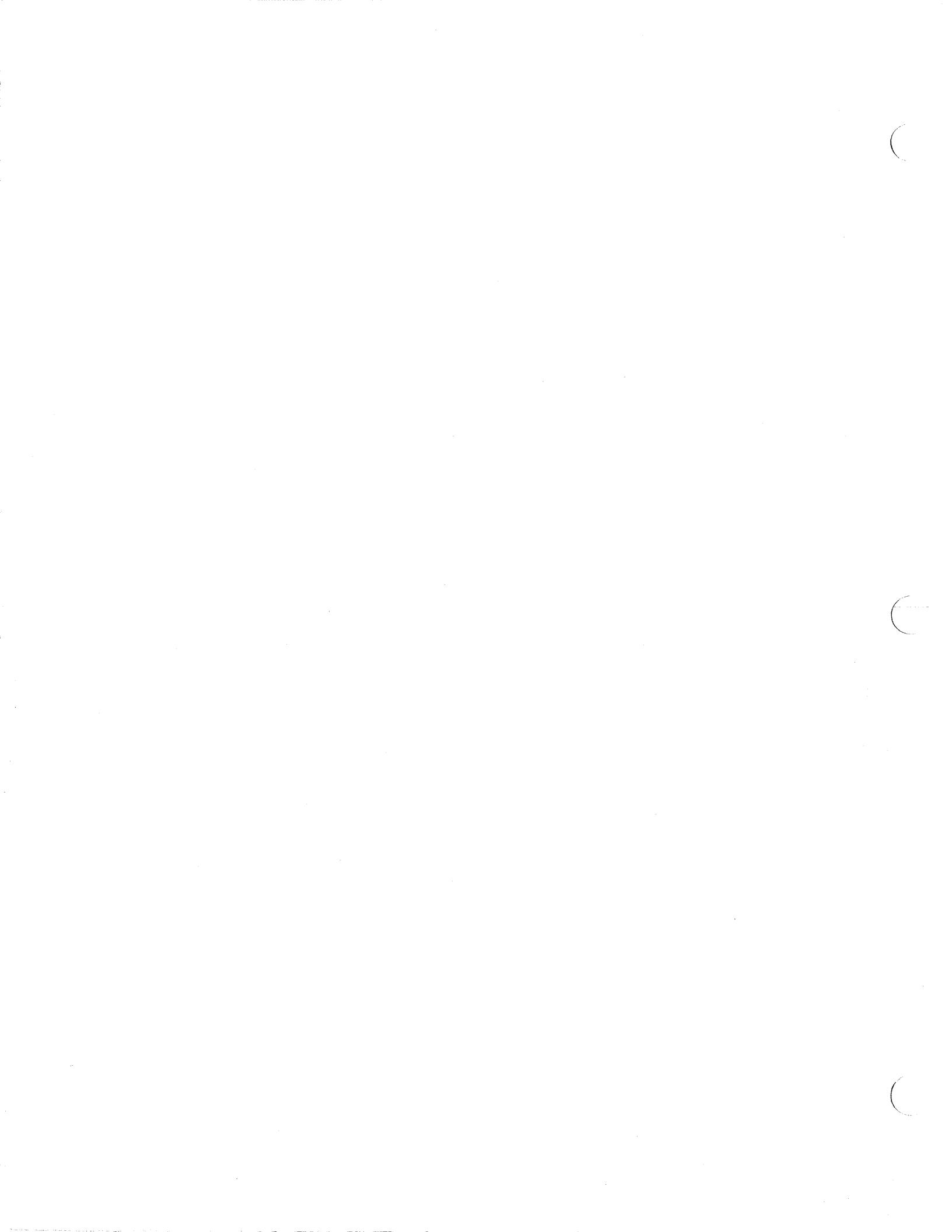


## NUMERICAL INDEX

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3038765-8	165	1-G22	4905790-4	115	1-E20	4999079-9	95	1-D24			
3042966-6	89	1-D18	4905792-0	115	1-E20	4999280-3	117	1-E22			
3043932-7	145	1-G 2	4905793-8	115	1-E20	4999354-6	121	1-F 2			
3043932-7	155	1-G12	4906471-0	121	1-F 2	4999355-3	121	1-F 2			
3044152-1	221	1-J 6	4907882-7	121	1-F 2	4999356-1	119	1-E24			
3045963-0	191	1-H24	4908325-6	121	1-F 2	4999357-9	119	1-E24			
3045975-4	191	1-H24	4909118-4	121	1-F 2	4999358-7	119	1-E24			
3045977-0	191	1-H24	4981202-7	123	1-F 4	4999516-0	93	1-D22			
3046521-5	191	1-H24	4981203-5	123	1-F 4	4999539-2	117	1-E22			
3048801-9	161	1-G18	4981218-3	125	1-F 6	8001427-7	73	1-D 2			
3048802-7	161	1-G18	4981218-3	129	1-F10	8001429-3	73	1-D 2			
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3051857-5	151	1-G 8	4987590-9	121	1-F 2	8010289-0	73	1-D 2			
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3058400-7	157	1-G14	4987605-5	117	1-E22	9003928-0	159	1-G16			
3058400-7	163	1-G20	4987606-3	117	1-E22						
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3061046-3	249	1-K10	4987633-7	119	1-E24						
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3061917-5	157	1-G14	4987635-2	119	1-E24						
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4047348-0	95	1-D24	4989049-4	119	1-E24						
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4055567-4	95	1-D24	4991741-2	115	1-E20						
4055869-4	95	1-D24	4991745-3	119	1-E24						
4059256-0	43	1-B20	4991746-1	119	1-E24						
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4253326-5	121	1-F 2	4992484-8	119	1-E24						
4253863-7	187	1-H20	4994913-4	173	1-H 6						
4254654-9	117	1-E22	4995371-4	173	1-H 6						
4254666-3	119	1-E24	4995592-5	117	1-E22						
4254697-8	119	1-E24	4995594-1	117	1-E22						
4255470-9	117	1-E22	4995595-8	117	1-E22						
4255820-5	169	1-H 2	4995626-1	117	1-E22						
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4511629-0	53	1-C 6	4995627-9	121	1-F 2						
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4810541-5	127	1-F 8	4996404-2	213	1- I22						
4818261-2	91	1-D20	4996409-1	205	1- I14						
4818262-0	91	1-D20	4996409-1	207	1- I16						
4818263-8	91	1-D20	4996409-1	211	1- I20						
4824293-7	51	1-C 4	4996409-1	213	1- I22						
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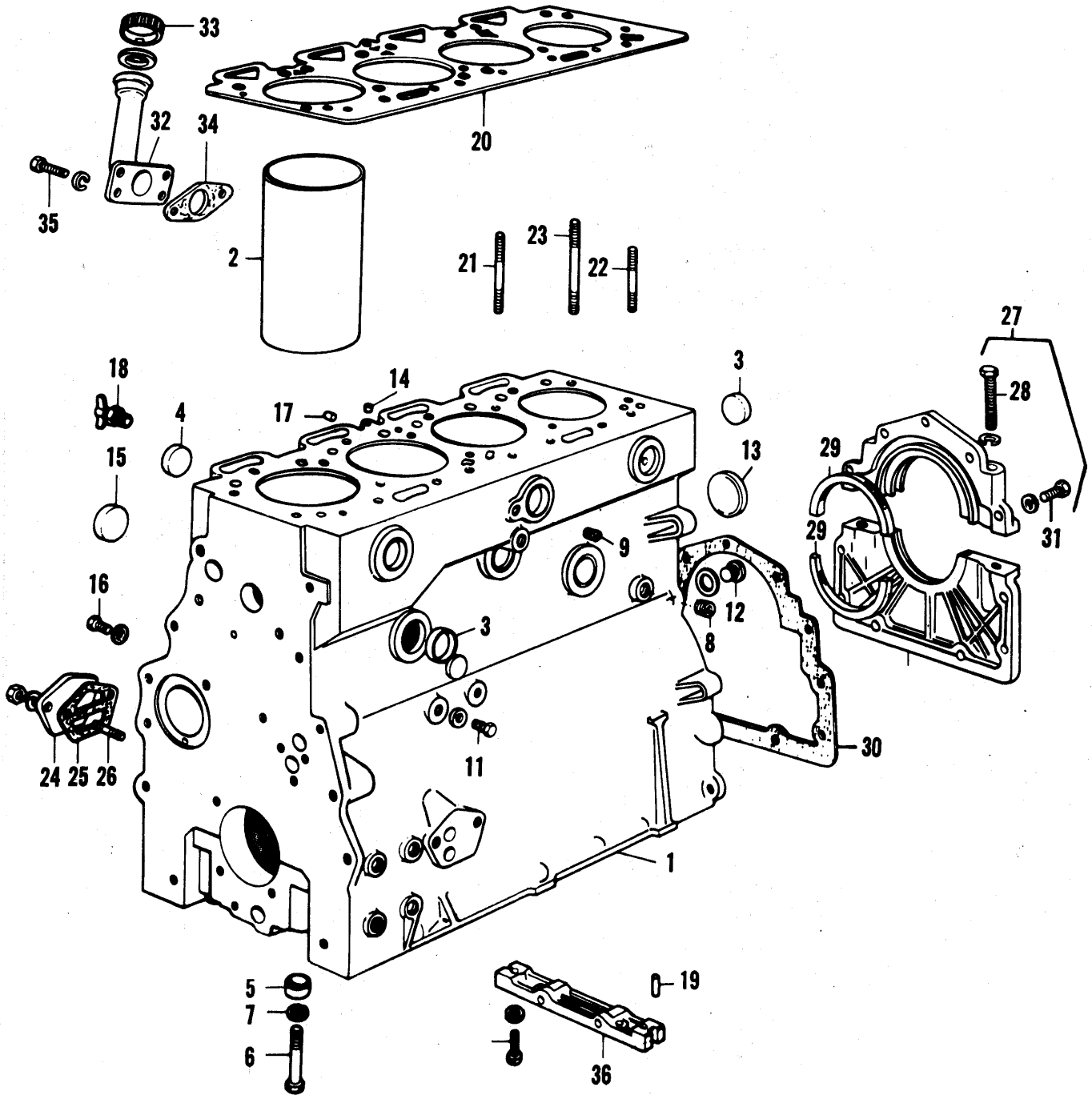


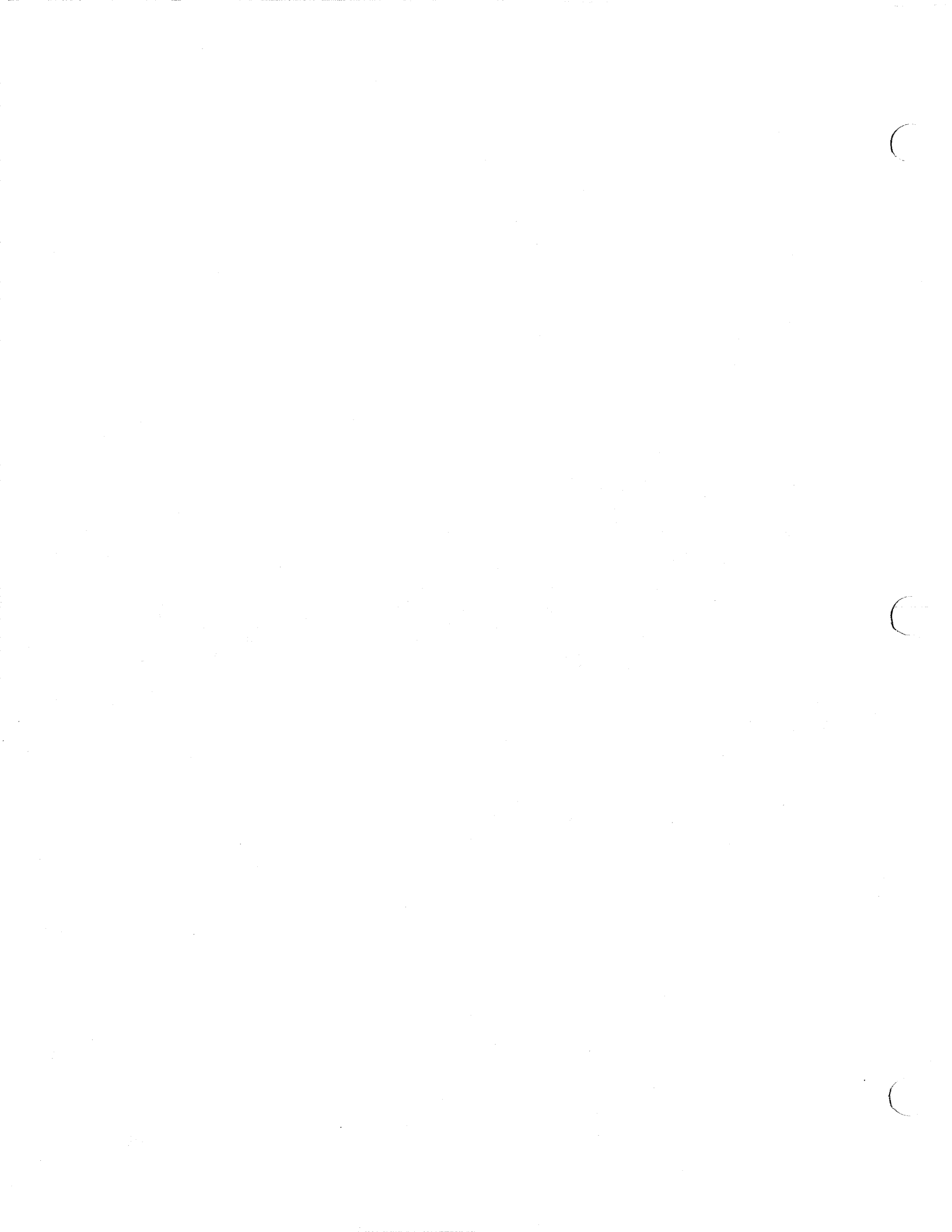




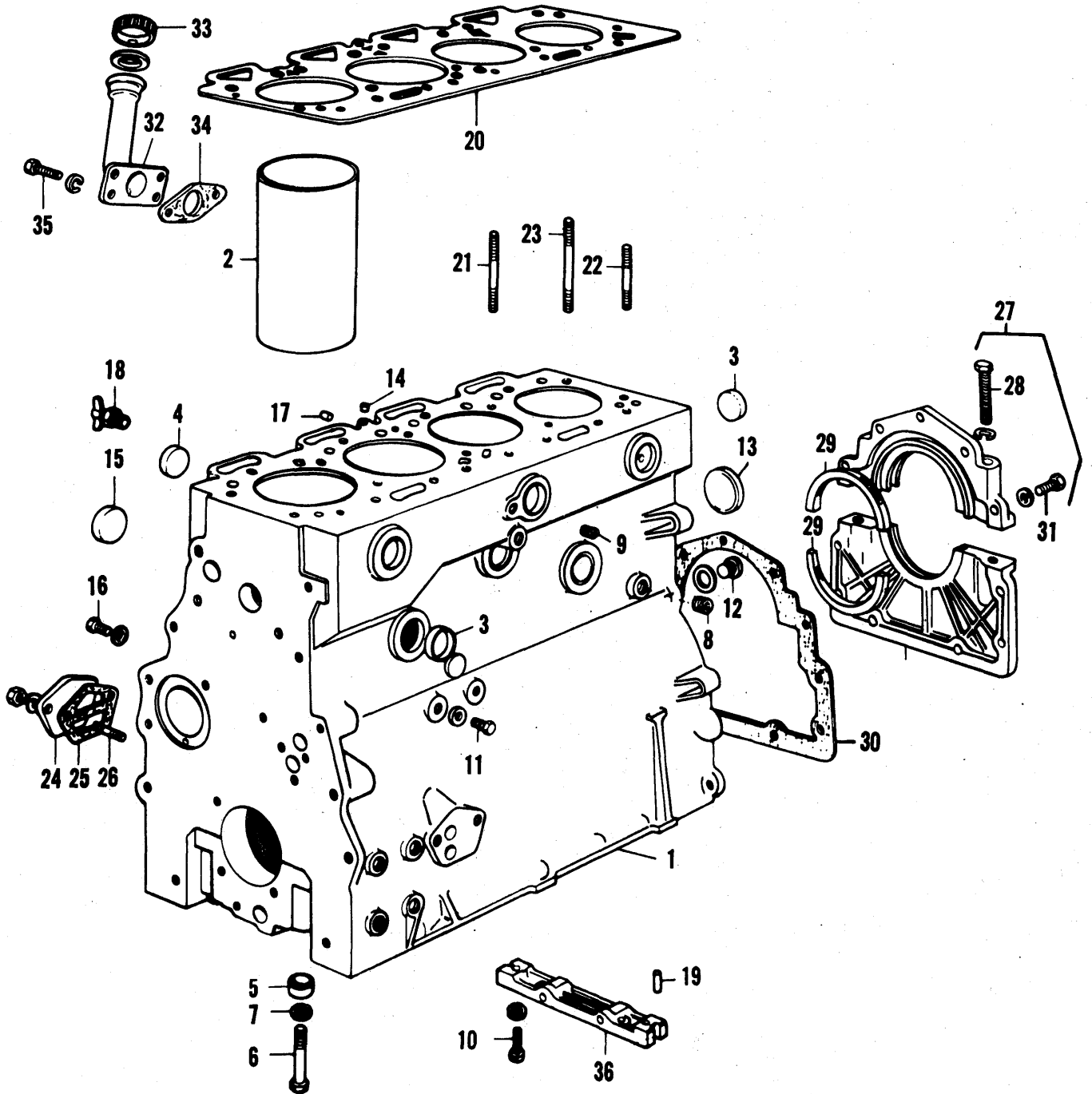


CYLINDER BLOCK

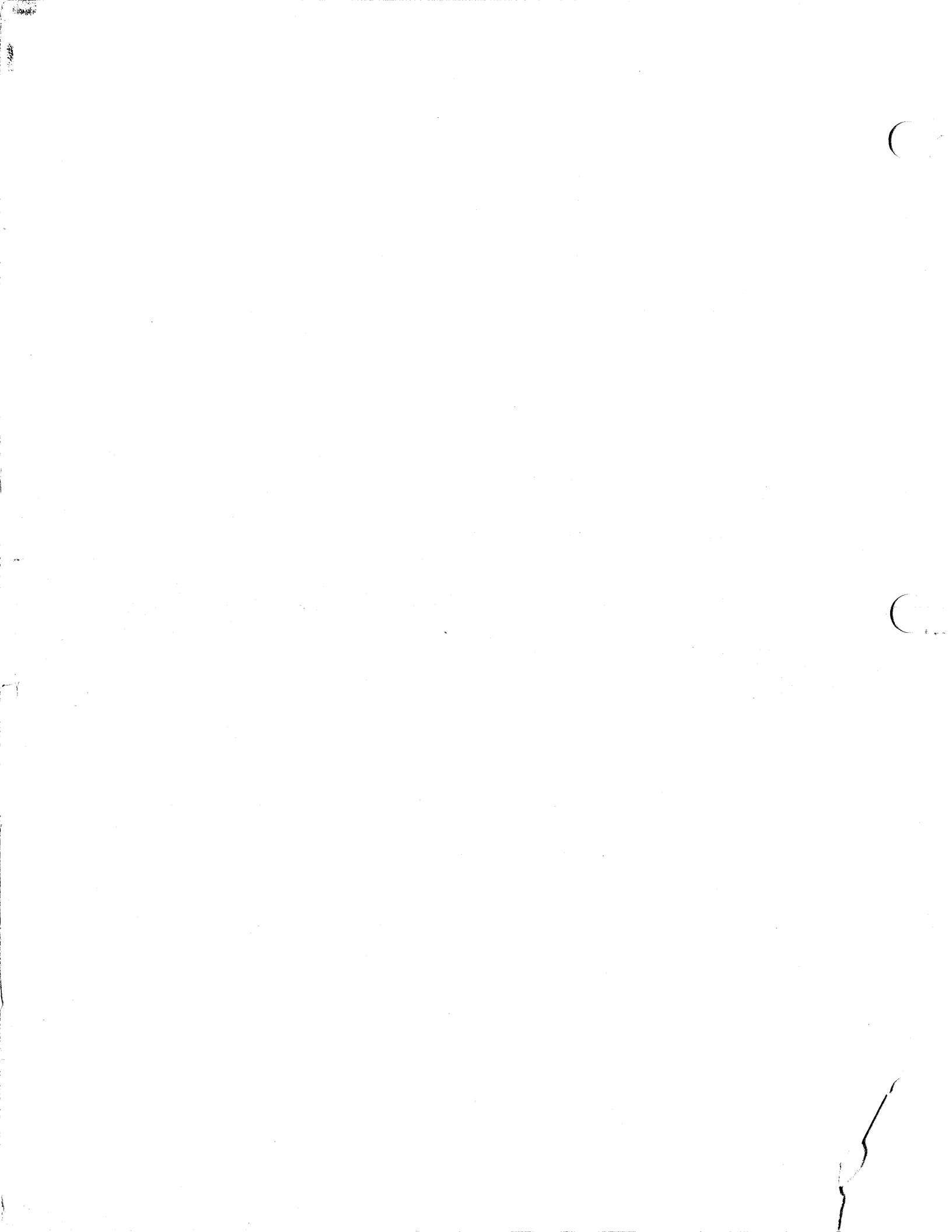




CYLINDER BLOCK







816 & 816B TRACTORS  
ENGINE

21

CYLINDER BLOCK

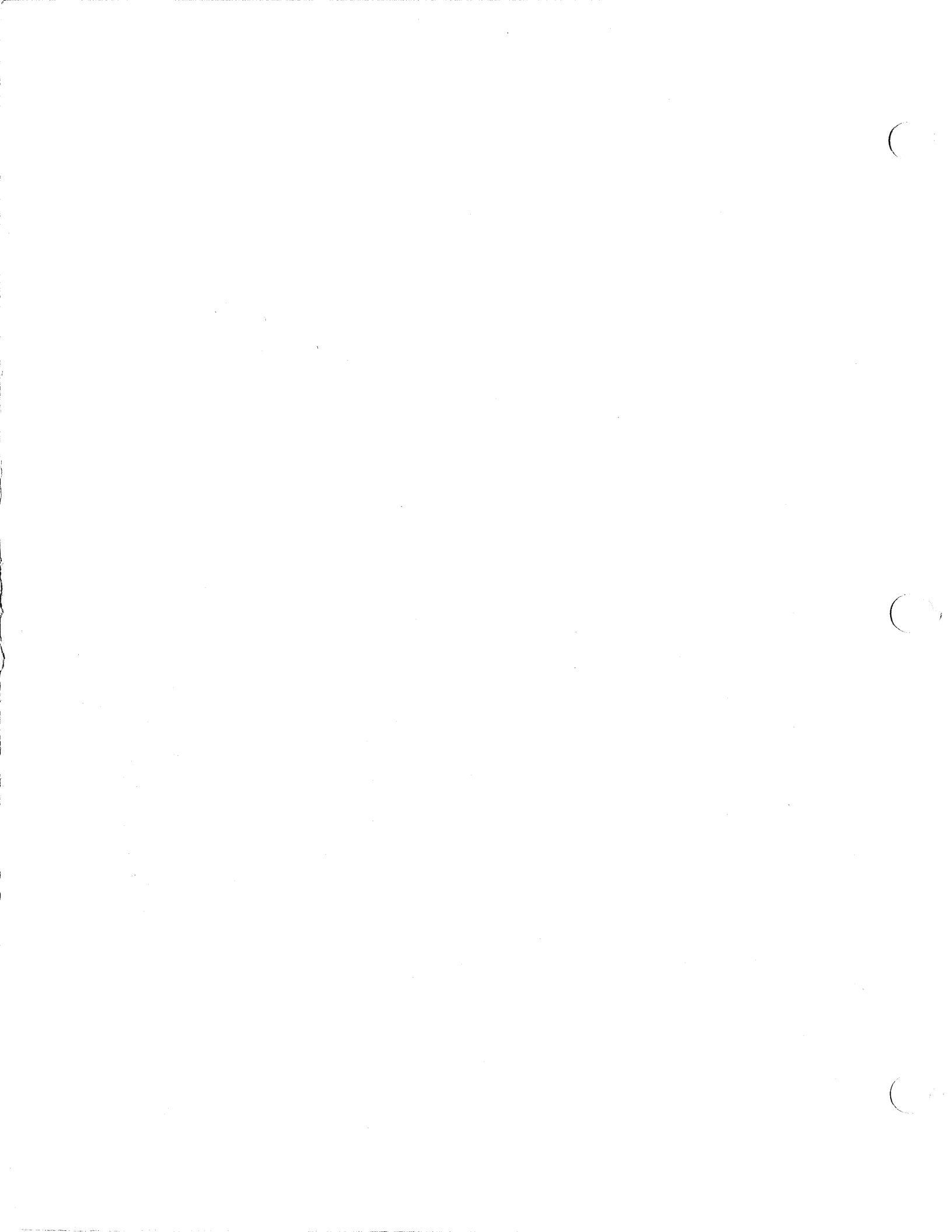
ITEM	NUMBER	QTY.	QTY.	DESCRIPTION
		*	**	
1	1010433-9	1	1	BLOCK ASY., cylinder (Incl. Items 2 thru 6)
	1010484-2	1	1	BUSHING, camshaft
2	0257697-3	4	0	LINER, cylinder block, straight
	1007688-3	0	4	LINER, cylinder block, flange
3	0251003-0	8	8	PLUG, fuel pump side & rear face
4	0251004-8	4	4	PLUG, induction side
5	0251032-9	10	10	THIMBLE, main bearing capscrew
6	0251033-7	10	0	CAPSCREW, main bearing to block
	1007948-1	0	10	CAPSCREW, main bearing to block
7	0251035-2	10	10	SHIM, capscrew
8	0917425-1	1	1	PLUG (For right side Drain Cock)
9	0251015-4	1	1	PLUG, fuel pipe, side
10	0251041-0	2	2	SCREW, bridge piece to block
	0251042-8	2	2	WASHER, plain
11	0922586-3	2	2	PLUG, induction side
	0251014-7	2	2	WASHER, plug
12	0251008-9	1	1	PLUG, lube oil pressure rail, rear
	0251009-7	1	1	WASHER, plug
13	0251005-5	1	1	PLUG, rear face, camshaft bearing
14	0251012-1	1	1	PLUG, top face, rocker oil feed
15	0251010-5	3	3	PLUG, induction side
16	0912592-3	1	1	PLUG, lube oil pressure rail
	0251014-7	1	1	WASHER, plug
17	0251006-3	1	1	PLUG, induction side
18	0912415-7	1	1	COCK, drain, water
19	0251040-2	2	2	GASKET, bridge piece to block
20	0257381-4	1	1	GASKET, cylinder head
21	0251019-6	12	0	STUD, cylinder head to block (Prior Engine S/N 248U99)
	0255939-1	12	4	CAPSCREW (Eff. Engine S/N 248U99 & Tractor S/N 2576 & Up)
22	0251020-4	2	0	STUD, cylinder head to block (Prior Engine S/N 248U99)
	1007668-5	0	2	STUD, cylinder head to block (Eff. Engine S/N 248U99 & Up)
	0255940-9	6	12	CAPSCREW (Eff. Engine S/N 248U99 & Tractor S/N 2576 & Up)
23	0251018-8	2	0	STUD, cylinder head to block (Prior Engine S/N 248U99)
	0255940-9	2	2	CAPSCREW (Eff. Engine S/N 248U99 & Tractor S/N 2576 & Up)
24	1005005-2	1	1	PLATE, induction side
25	0251416-4	1	1	GASKET, blanking plate to cylinder block
26	0930263-9	2	2	STUD, plate to cylinder block
	0918199-1	2	2	WASHER, spring
27	0254128-2	1	1	HOUSING, crankshaft, rear end (Incl. Items 28 & 29)
	0257777-3	0	1	HOUSING, crankshaft, rear end (See NOTE)
28	0918786-5	2	2	CAPSCREW, housing clamping
	0917356-8	2	2	WASHER, spring
29	0251047-7	2	2	SEAL, oil, rear end
	1015543-0	0	1	SEAL, oil, rear end (See NOTE)
30	0251048-5	1	1	GASKET, housing to block
	0257778-1	0	1	GASKET, housing to block (See NOTE)
31	0927927-4	11	11	CAPSCREW, housing to block
	1015599-2	0	10	CAPSCREW, housing to block (See NOTE)
	0917356-8	11	11	WASHER, spring (Qty. 10 used for 1015599)
32	0251077-4	1	1	FILLER, lube oil
33	0251082-4	1	1	CAP, lube oil filler
	1005008-6	1	1	GASKET, cap
34	0251076-6	1	1	GASKET, filler flange to block
35	0921515-3	2	2	CAPSCREW, filler to block
	0917356-8	2	2	WASHER, spring

\*Prior Tractor S/N 2576

\*\*Eff. Tractor S/N 2576

NOTE: Eff. Engine S/N 248U17857 & Up

Continued



816 & 816B TRACTORS  
ENGINE

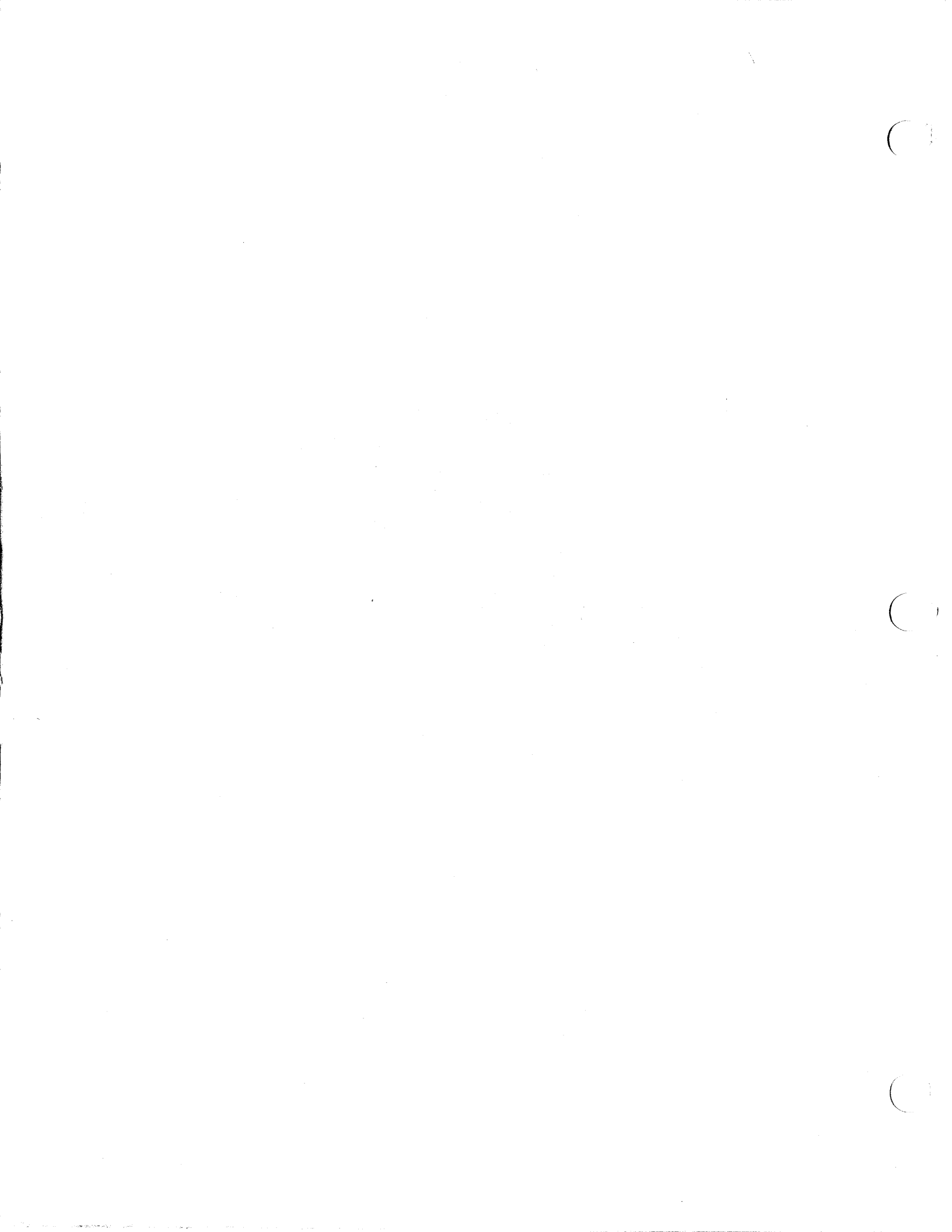
23

CYLINDER BLOCK

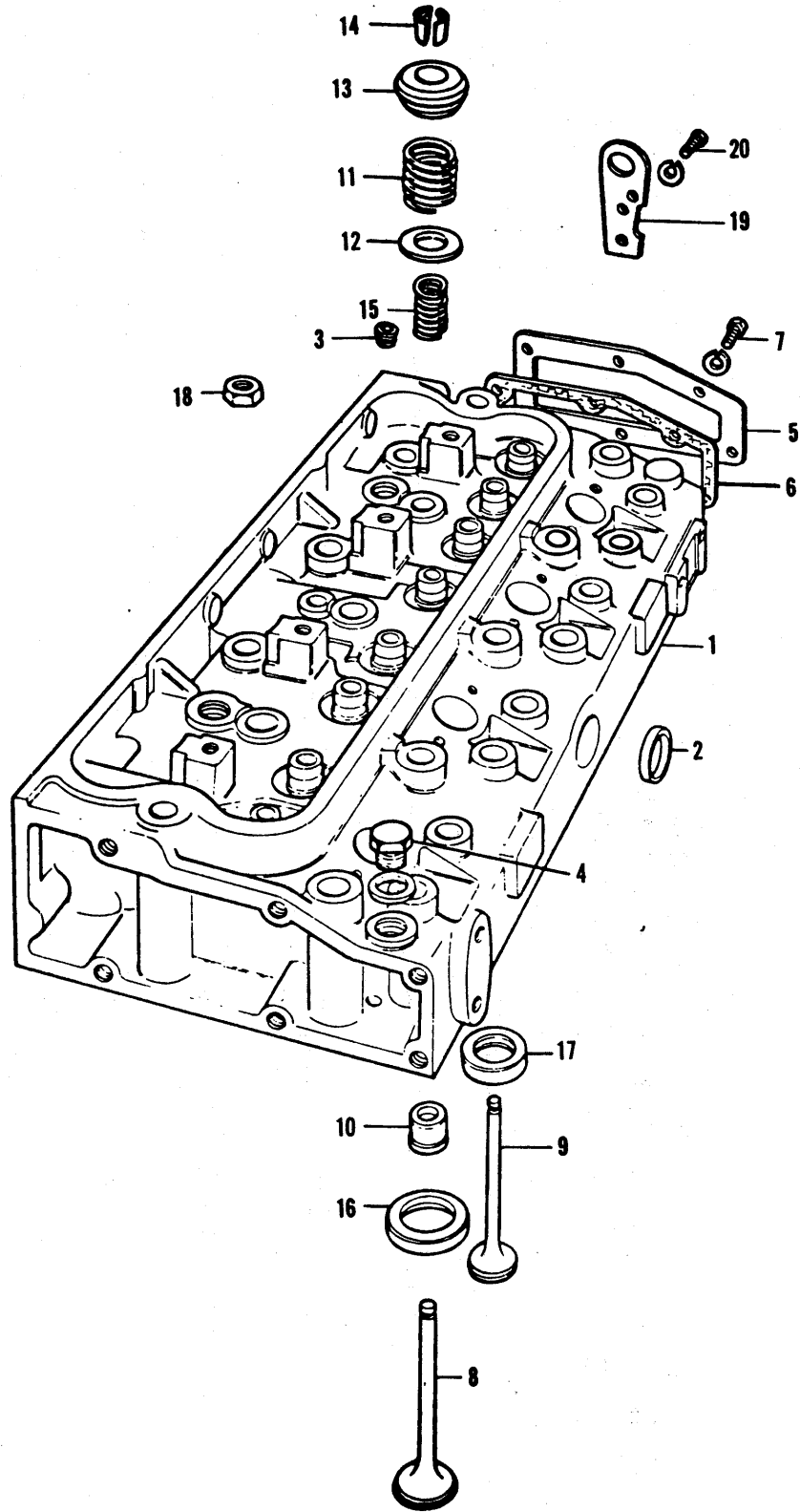
ITEM	NUMBER	QTY.	QTY.	DESCRIPTION
		*	**	
36	0251036-0	1	1	BRIDGE PIECE, rear
-	0255432-7	-	-	GASKET KIT, top overhaul
	0251187-1	1	1	GASKET, rear end
	0251192-1	1	1	GASKET, outlet
	0251240-8	1	1	GASKET, manifold to head, center
	0251241-6	1	1	GASKET, induction
	0251242-4	1	1	GASKET, induction
	0251250-7	1	1	GASKET, rocker arm cover
	0251284-6	4	4	WASHER, injector seating
	0251313-3	1	1	SLEEVE, rocker arm, oil feed
	0257381-4	1	1	GASKET, cylinder head
	0257463-0	2	2	GASKET, exhaust
-	1005106-8	-	-	GASKET KIT, bottom overhaul
	0251040-2	2	2	GASKET, cylinder head
	0251048-5	1	1	GASKET, rear end
	0251076-6	1	1	GASKET, rear end, oil
	0251096-4	1	1	GASKET, cover to housing
	0251101-2	1	1	GASKET, inspection
	0251174-9	1	1	GASKET, lube oil
	0254491-4	1	1	GASKET, water outlet connection
	0251262-2	1	1	GASKET, water pump
	0251269-7	1	1	GASKET, injection pump
	0251277-0	1	1	GASKET, pump to block
	0251416-4	2	2	GASKET, blanking plate
	0254971-5	1	1	GASKET, blanking plate
	0257231-1	1	1	GASKET, lift pump to block
	1005033-4	1	1	GASKET, timing
	1005055-7	1	1	GASKET, delivery pipe
	1005096-1	1	1	GASKET, water pump to block
	8001613-2	1	1	GASKET, filler blank plate to plate
	1007399-7	-	-	ENGINE ASY., replacement (Use SHORT BLOCK 1010435)
	1010435-4	-	-	BLOCK ASY., engine, short (Prior Engine S/N 248U17856)
	1017901-8	-	-	BLOCK ASY., engine, short (Eff. Engine S/N 248U17856 & Up)

\*Prior Tractor S/N 2576

\*\*Eff. Tractor S/N 2576



CYLINDER HEAD





816 & 816B TRACTORS  
ENGINE

25

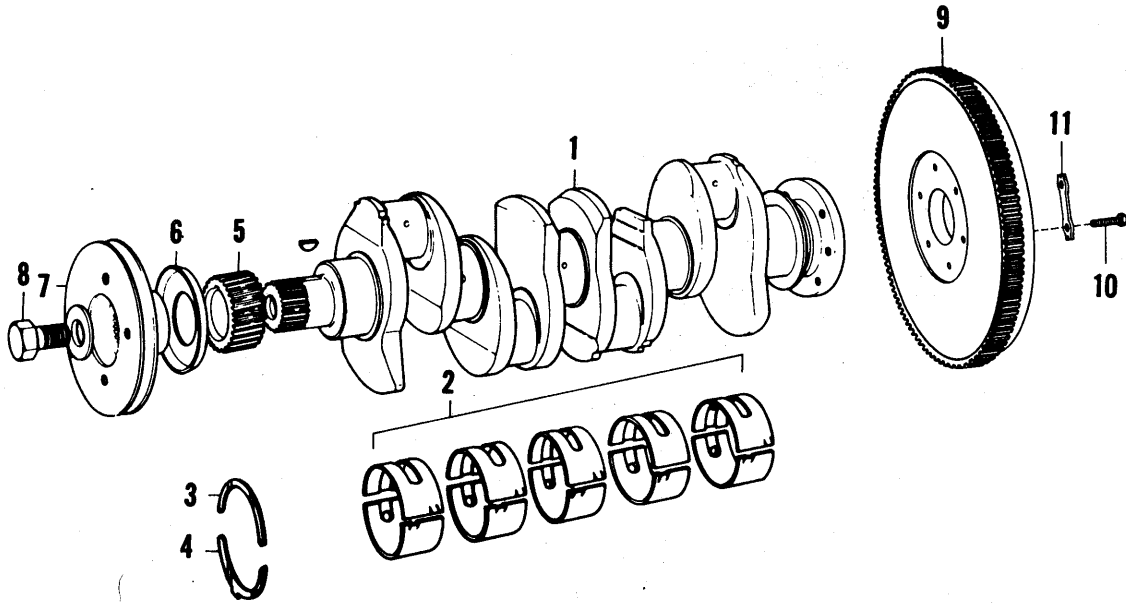
CYLINDER HEAD

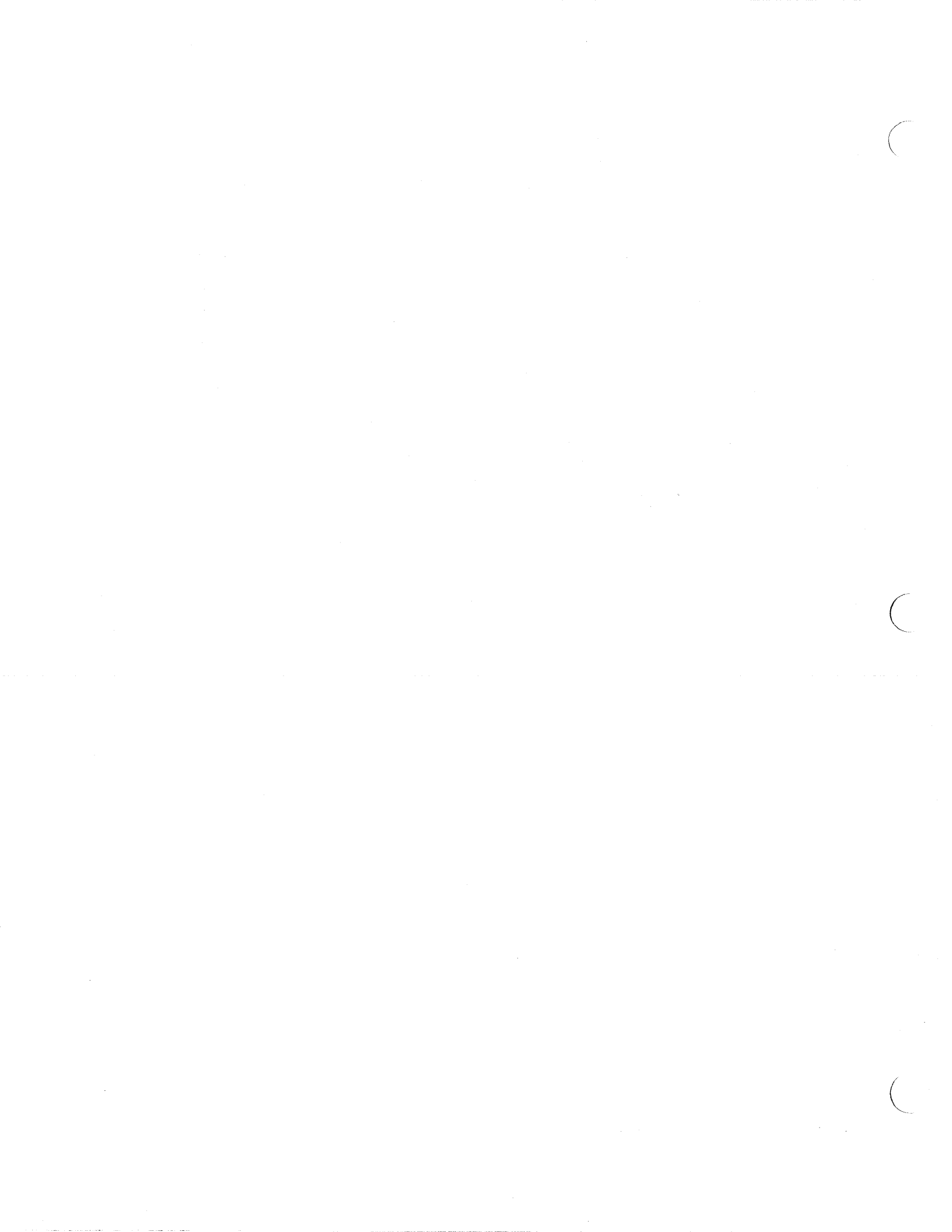
ITEM	NUMBER	QTY.	DESCRIPTION
1	1007667-7	1	CYLINDER HEAD ASY. (Incl. Items 2 thru 15, & Std. Parts) (Use 1018386)
2	0251003-0	1	PLUG, fuel pump, side
3	0251184-8	2	PLUG, top face
4	0251185-5	1	PLUG, top face
	0251186-3	1	WASHER, plug
5	1007666-9	1	COVER, rear end
6	0251187-1	1	GASKET, rear end cover to head
7	0921515-3	5	CAPSCREW, rear end cover to head
	0916206-6	1	CAPSCREW, rear end cover to head
	0917356-8	6	WASHER, spring
8	0251228-3	4	VALVE, inlet (Std.)
	0251401-6	4	VALVE, inlet (.003)
	0251402-4	4	VALVE, inlet (.015)
	0251403-2	4	VALVE, inlet (.030)
9	0257363-2	4	VALVE, exhaust (Std.)
	0251404-0	4	VALVE, exhaust (.003)
	0251405-7	4	VALVE, exhaust (.015)
	0251406-5	4	VALVE, exhaust (.030)
10	1002370-3	8	SEAL, inlet & exhaust valve (Std.)
	1005019-3	8	SEAL, inlet & exhaust valve (.030)
11	0251231-7	8	SPRING, inlet & exhaust valve, outer
12	0253270-3	8	WASHER, valve spring seating
13	0251233-3	8	CAP, valve spring retaining
14	0251232-5	16	COTTER, valve retaining (Serviced in pairs)
15	1005022-7	8	SPRING, inlet & exhaust valve, inner
16	1005020-1	—	INSERT, Inlet valve seat (Use as req'd)
17	1005021-9	—	INSERT, exhaust valve seat (Use as req'd)
18	0251021-2	4	NUT, cylinder head retaining
	1010298-6	2	NUT, cylinder head retaining
19	0251189-7	1	PLATE, engine lifting, rear
20	0927057-0	2	CAPSCREW, rear lifting plate to head
	0916965-7	2	LOCKWASHER, 3/8





CRANKSHAFT



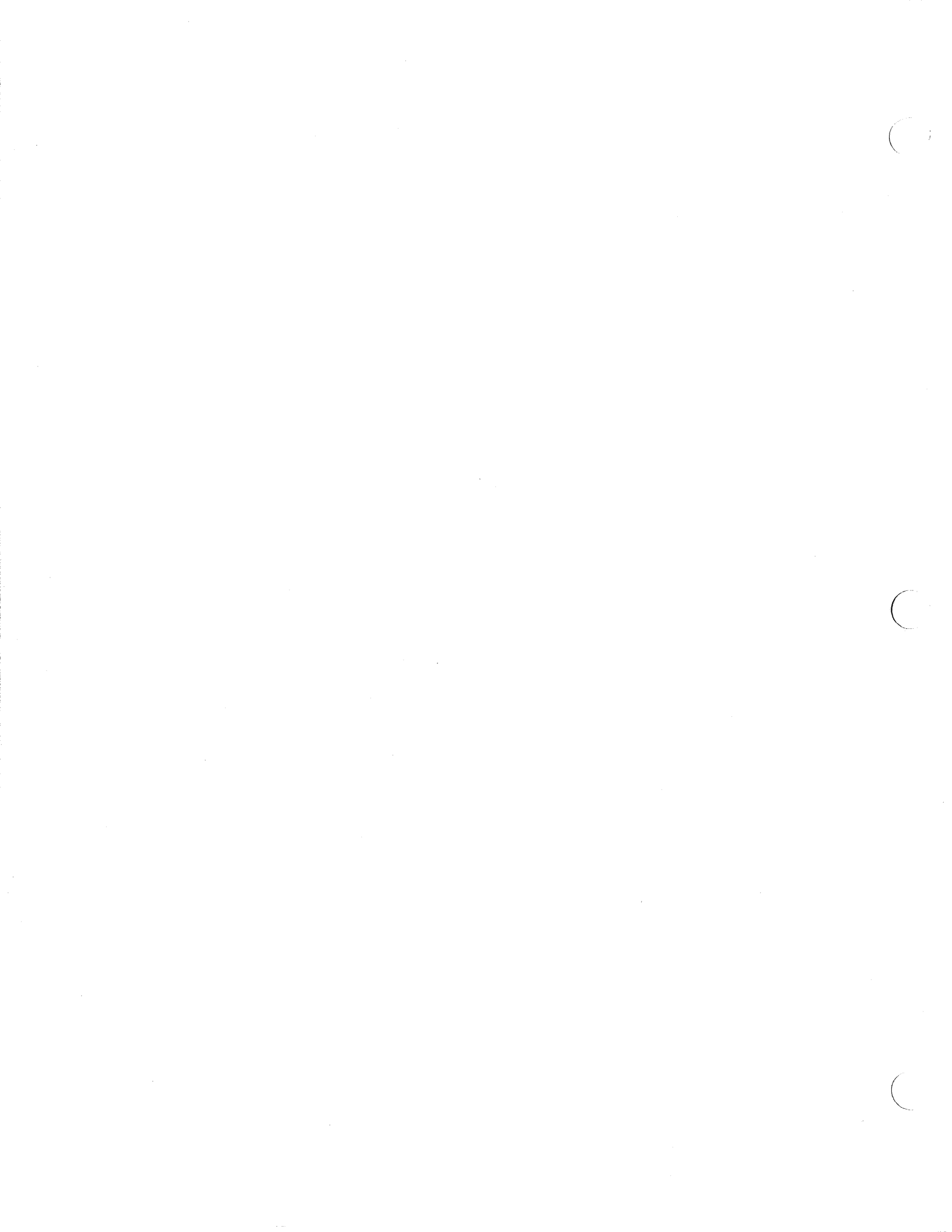


816 & 816B TRACTORS  
ENGINE

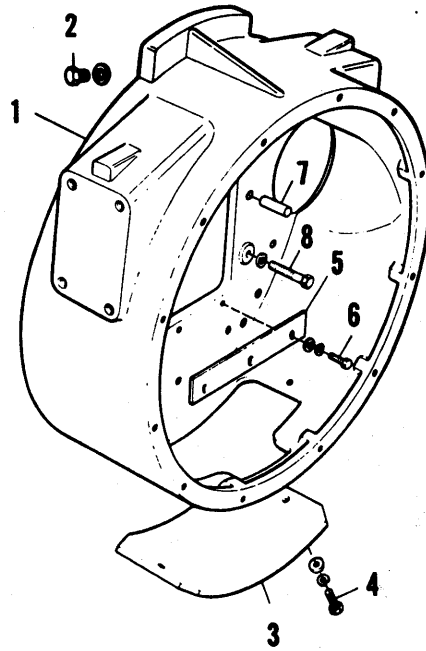
27

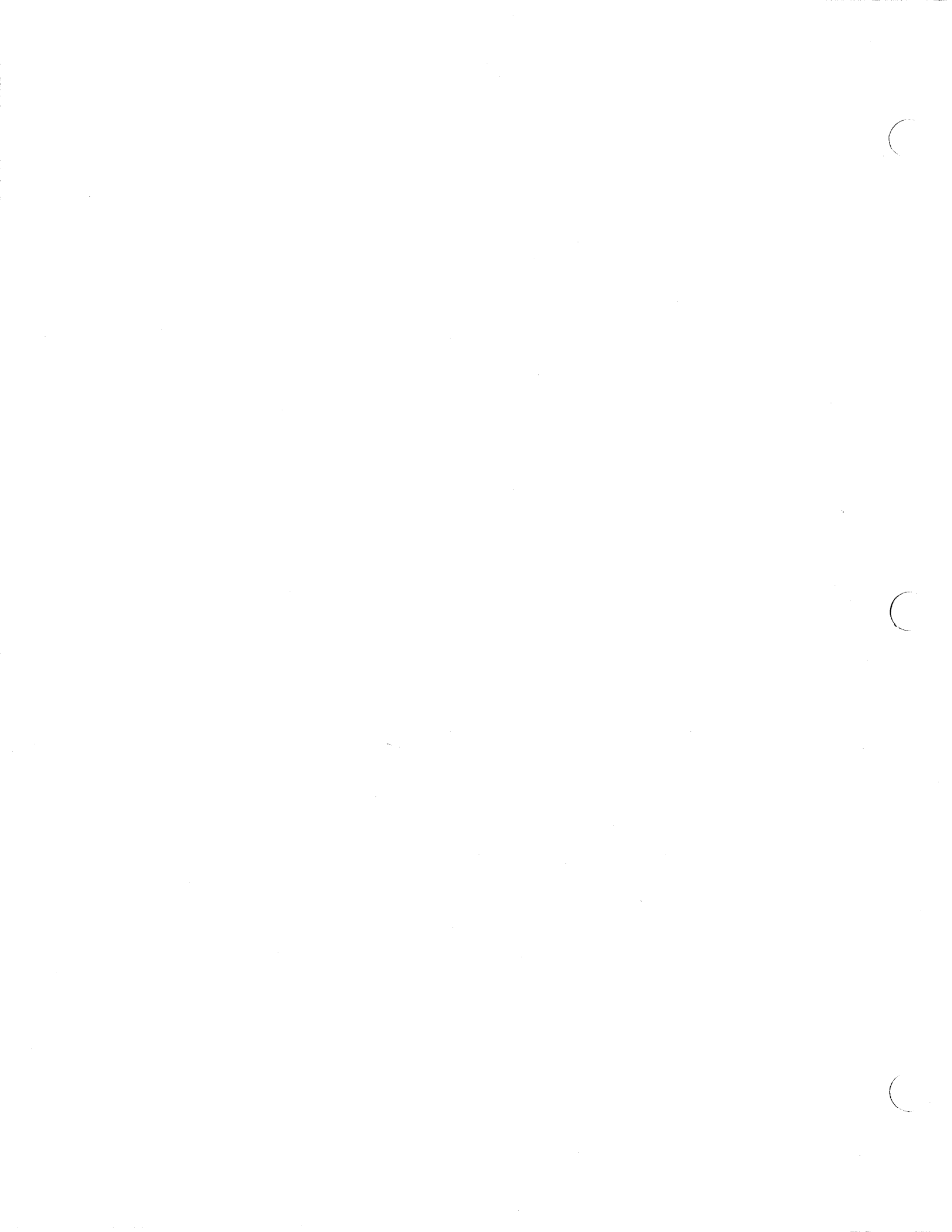
CRANKSHAFT

ITEM	NUMBER	QTY.	DESCRIPTION
1	1005059-9	1	CRANKSHAFT ASY. & BEARING KIT (Incl. Items 2 thru 4)
2	0251338-0	1	BEARING SET, main (Std.)
	0251339-8	1	BEARING SET, main (.010)
	0251340-6	1	BEARING SET, main (.020)
	0251341-4	1	BEARING SET, main (.030)
3	0251026-1	2	WASHER, thrust, top (Std.)
	0251398-4	2	WASHER, thrust, top (.007)
4	0251027-9	2	WASHER, thrust, bottom (Std.)
	0251399-2	2	WASHER, thrust, bottom (.007)
5	0251105-3	1	GEAR, crankshaft
	0905845-4	1	KEY, gear
6	0251106-1	1	FLANGE, oil thrower
7	1007999-4	1	PULLEY, crankshaft
8	0923732-2	1	SCREW, pulley retaining
	0251109-5	1	WASHER, retaining screw
9	1014932-6	1	FLYWHEEL & STARTER RING ASY.
	8001482-2	10	PLUG
	1005065-6	1	RING, starter
	1011774-5	1	SHIM
10	8014293-8	6	CAPSCREW, flywheel crankshaft
11	1005067-2	3	WASHER, tab flywheel securing



FLYWHEEL





816 & 816B TRACTORS  
ENGINE

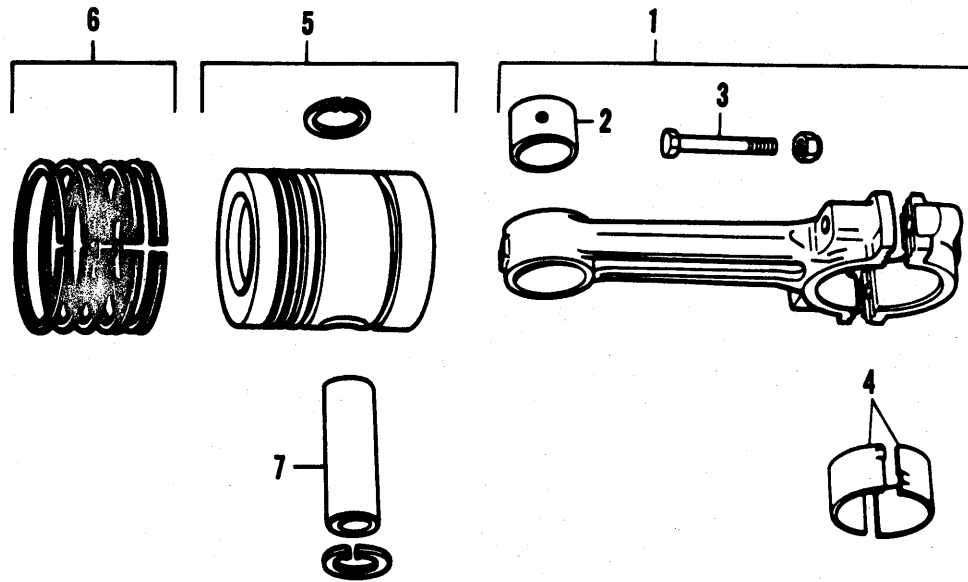
29

FLYWHEEL

ITEM	NUMBER	QTY.	DESCRIPTION
1	1016348-3	1	HOUSING, flywheel
2	1005011-0	3	PLUG, housing
	0916965-7	3	LOCKWASHER, 3/8
3	1005012-8	1	PLATE, cover, bottom
4	0920787-9	2	CAPSCREW, cover plate to housing
	0251089-9	2	WASHER, plain
	0917356-8	2	WASHER, spring
5	1005014-4	1	COVER, dust, housing
6	0921958-5	3	CAPSCREW, dust cover
	0251255-6	3	WASHER, plain
	0916964-0	3	WASHER, spring
7	1005106-8	2	DOWEL, housing to block
8	0920352-2	6	CAPSCREW, housing to block
	0916965-7	6	LOCKWASHER, 3/8



PISTON & CONNECTING ROD





# Perkins POWER SERVICE

To: John Scholtz (Minneapolis)

Please remove Service Bulletin 4.248 No. 10 Re-issue 1 dated August 1982 from your file and put this issue in its place. More information has been added.

Engine Type: 4.248

No. 10 Re-issue 2

Subject: Piston and Rings

Date: January, 1983.

To improve the lubricating oil control, a new controlled expansion piston and ring kit have been introduced in 4.248 engines at Engine No. LF ..... U839080J.

New parts are as follows:-

Piston-not machined to correct height  
Piston-machined to correct height  
Piston ring kit (Fig. 1)  
consists of:-

Part No.  
U5LU0005  
U5LP0009  
41158022

Top Molybdenum barrel faced ring with top face internally stepped and externally chamfered.  
2nd Tapered face cast iron ring with top face internally stepped and bottom face externally stepped.  
3rd Coil spring loaded chrome scraper ring.

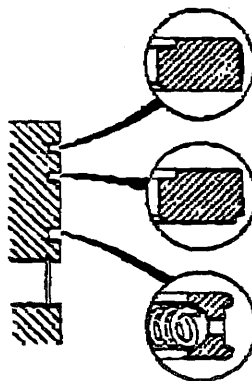


Fig. 1

For earlier engines with piston Part No. 68318 (not machined to correct height) and 89207 (machined to correct height) which do not have a top ring groove cast iron insert and have a scraper ring groove width of 6,35 mm (0.25 in), a service ring kit has been made available. This consists of a new chrome tapered face ring for the top groove and a stronger spring behind the scraper ring. The ring kit is as follows:-

New ring kit  
consists of:-

Top Tapered face chrome ring  
2nd and 3rd Internally stepped/chamfered chrome ring  
4th Coil spring loaded chrome scraper ring

There has been no change to the ring kit for piston Part No. 68303 (not machined) and 68367 (machined) which have a top ring groove cast iron insert and a scraper ring groove width of 4,76 mm (0.187 in). These use ring kit Part No. 41158046.

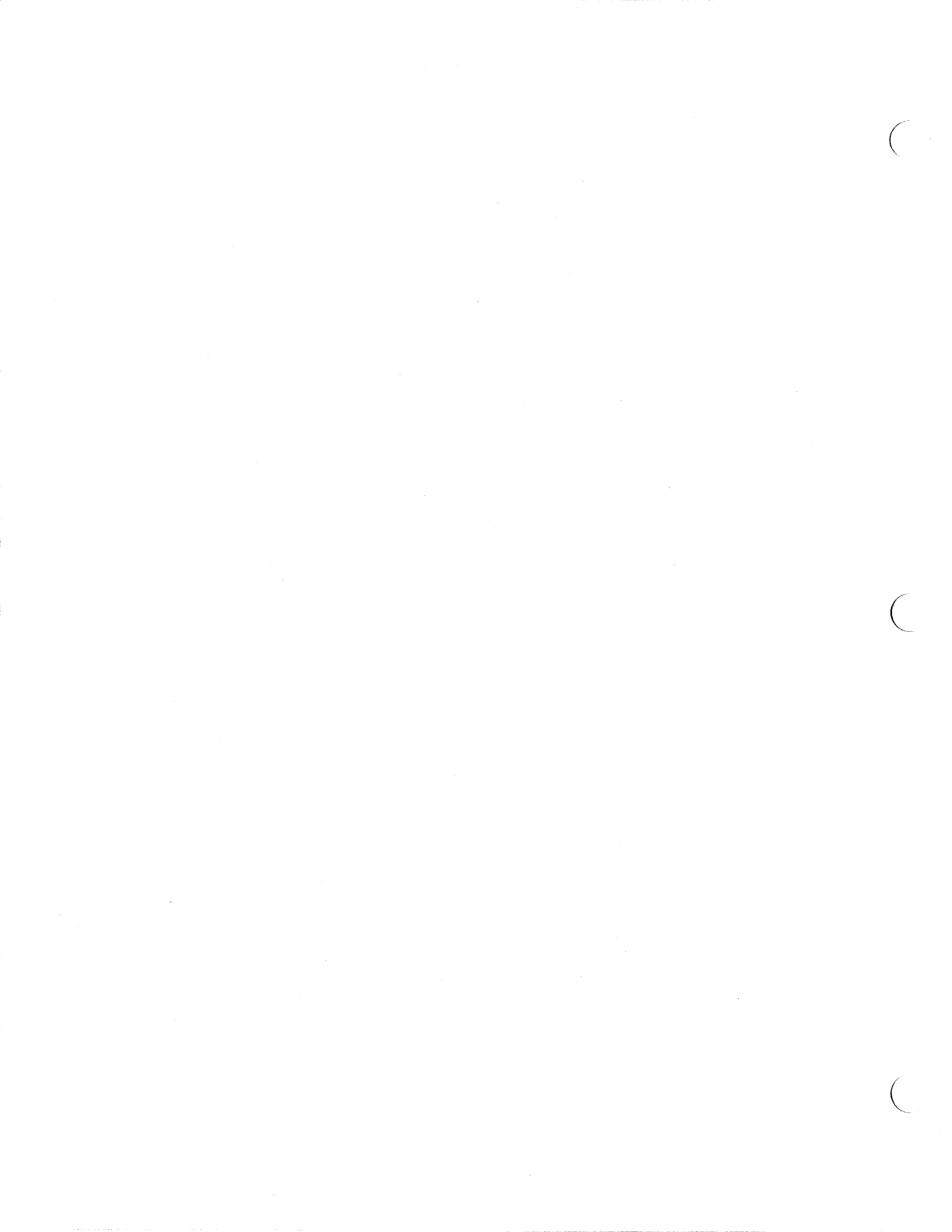
Pistons of different types are not interchangeable except in engine sets.

 Perkins

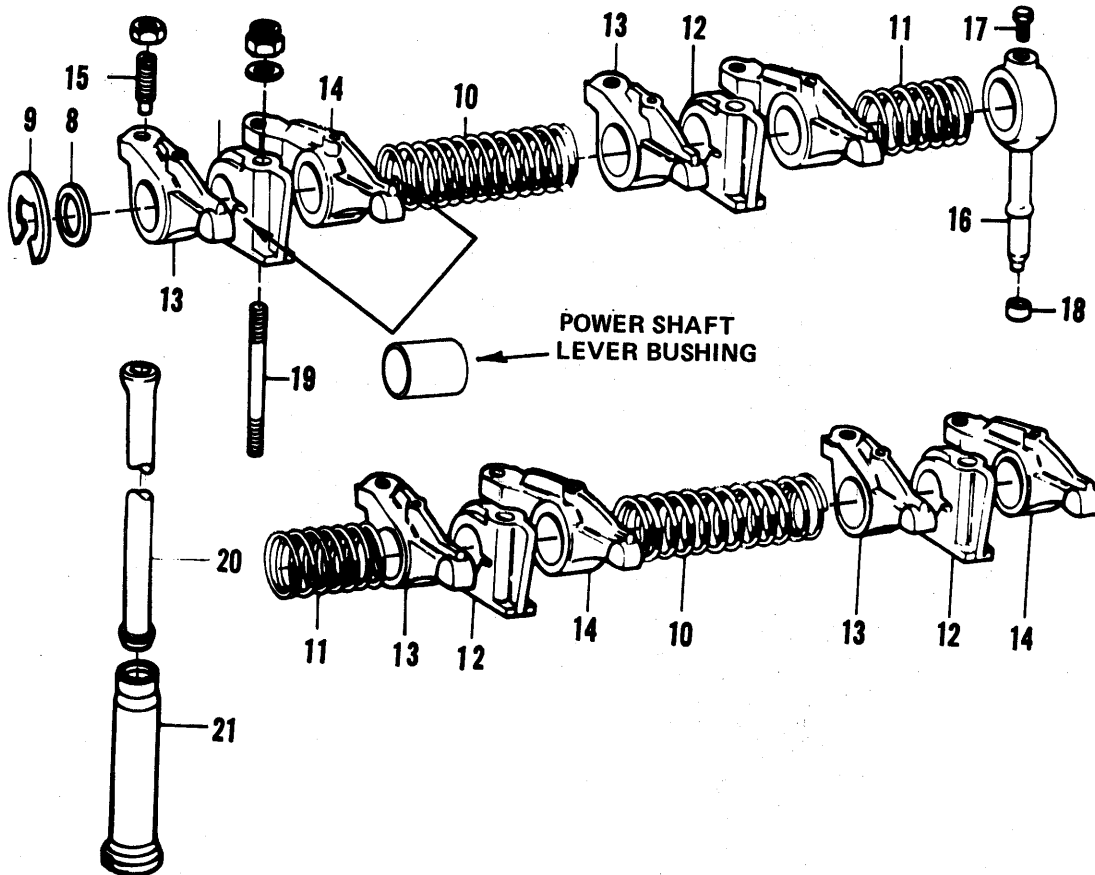
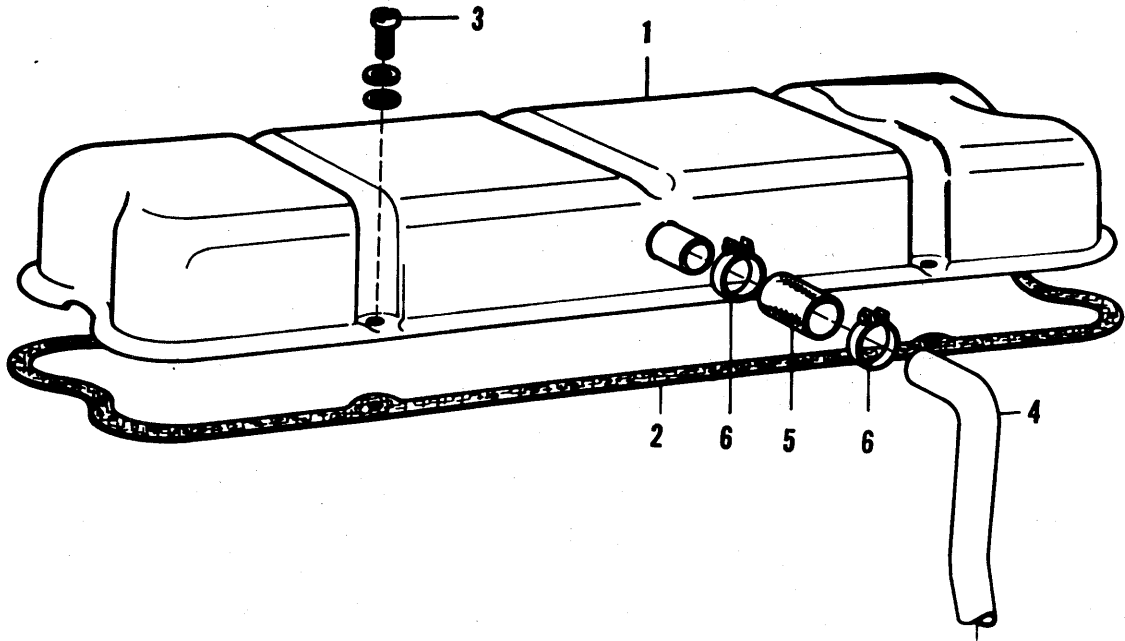
816 & 816B TRACTORS  
ENGINE

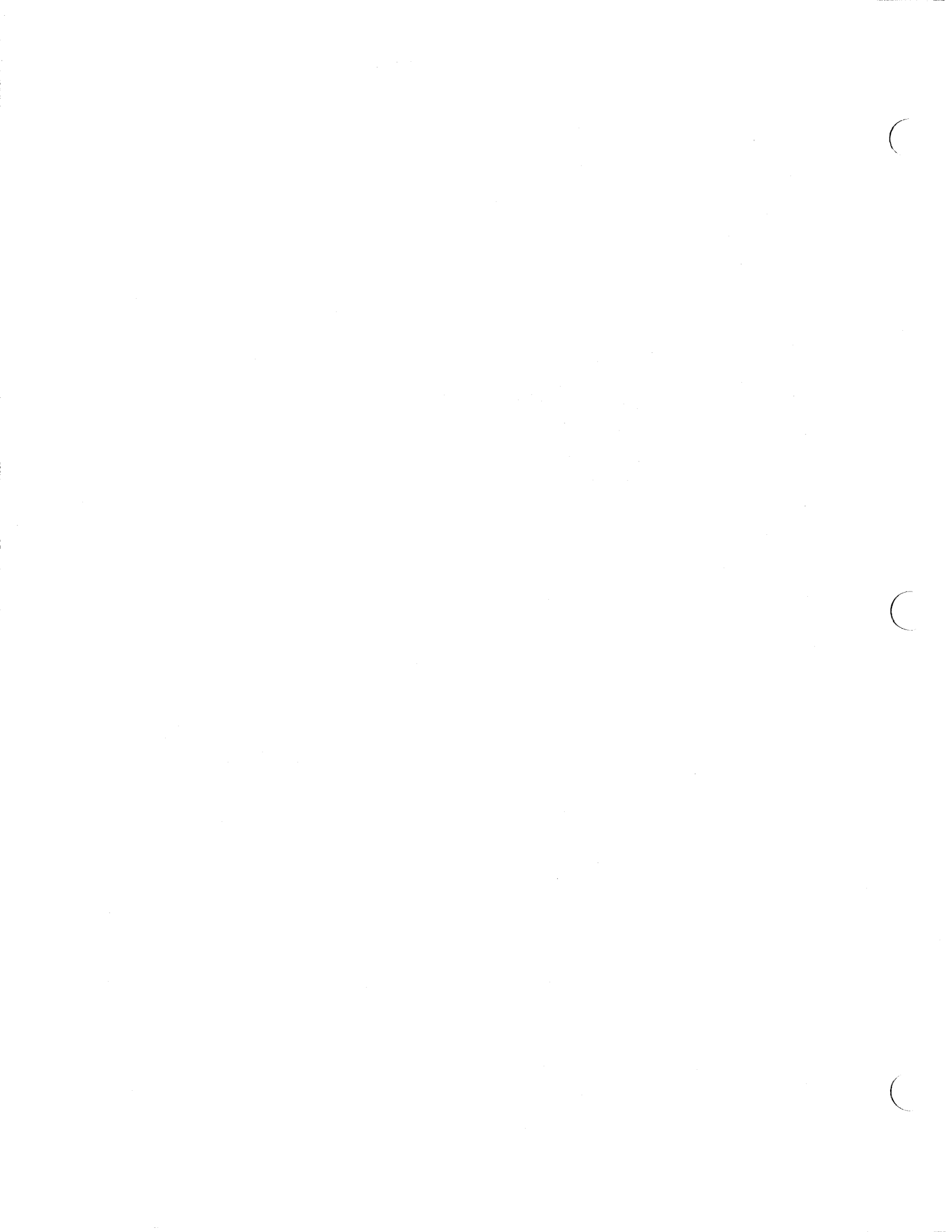
PISTON & CONNECTING ROD

ITEM	NUMBER	QTY.	DESCRIPTION
1	1005060-7	4	ROD ASY., connecting (Incl. Items 2 & 3)
2	0251121-0	4	BUSHING, connecting rod, small end
3	0251118-8	8	BOLT, connecting rod
	1005061-5	16	NUT, rod bolt
4	0251356-2	1	BEARING SET (Std.) (Incl. 8 HALVES)
	-----	1	BEARING (Serviced In BEARING SET)
	0251357-0	1	BEARING SET (.010) (Incl. 8 HALVES)
	0251358-8	1	BEARING SET (.020) (Incl. 8 HALVES)
	0251359-8	1	BEARING SET (.030) (Incl. 8 HALVES)
5	1007663-6	1	PISTON ASY., minor (Incl. CIRCLIP)
	0251115-2	2	CIRCLIP, retaining
6	1007664-4	4	RING, pack set
7	-----	4	PIN, piston (Not serviced separately)
-	1005059-9	-	BEARING KIT, crankshaft
	-----	1	CRANKSHAFT
	0251026-1	2	WASHER, thrust, top
	0251398-4	2	WASHER, thrust, top
	0251027-9	2	WASHER, thrust, bottom
	0251399-2	2	WASHER, thrust, bottom
	0251338-0	10	BEARING, main (Std.)
	0251339-8	-	BEARING, main (.010 u/s)
	0251340-6	-	BEARING, main (.020 u/s)
	0251341-4	-	BEARING, main (.030 u/s)
	0251356-2	●	BEARING SET, connecting rod (Std.)
	0251357-0	-	BEARING SET, connecting rod (.010 u/s)
	0251358-8	-	BEARING SET, connecting rod (.020 u/s)
	0251359-8	-	BEARING SET, connecting rod (.030 u/s)



CYLINDER HEAD COVER & ROCKER ARM



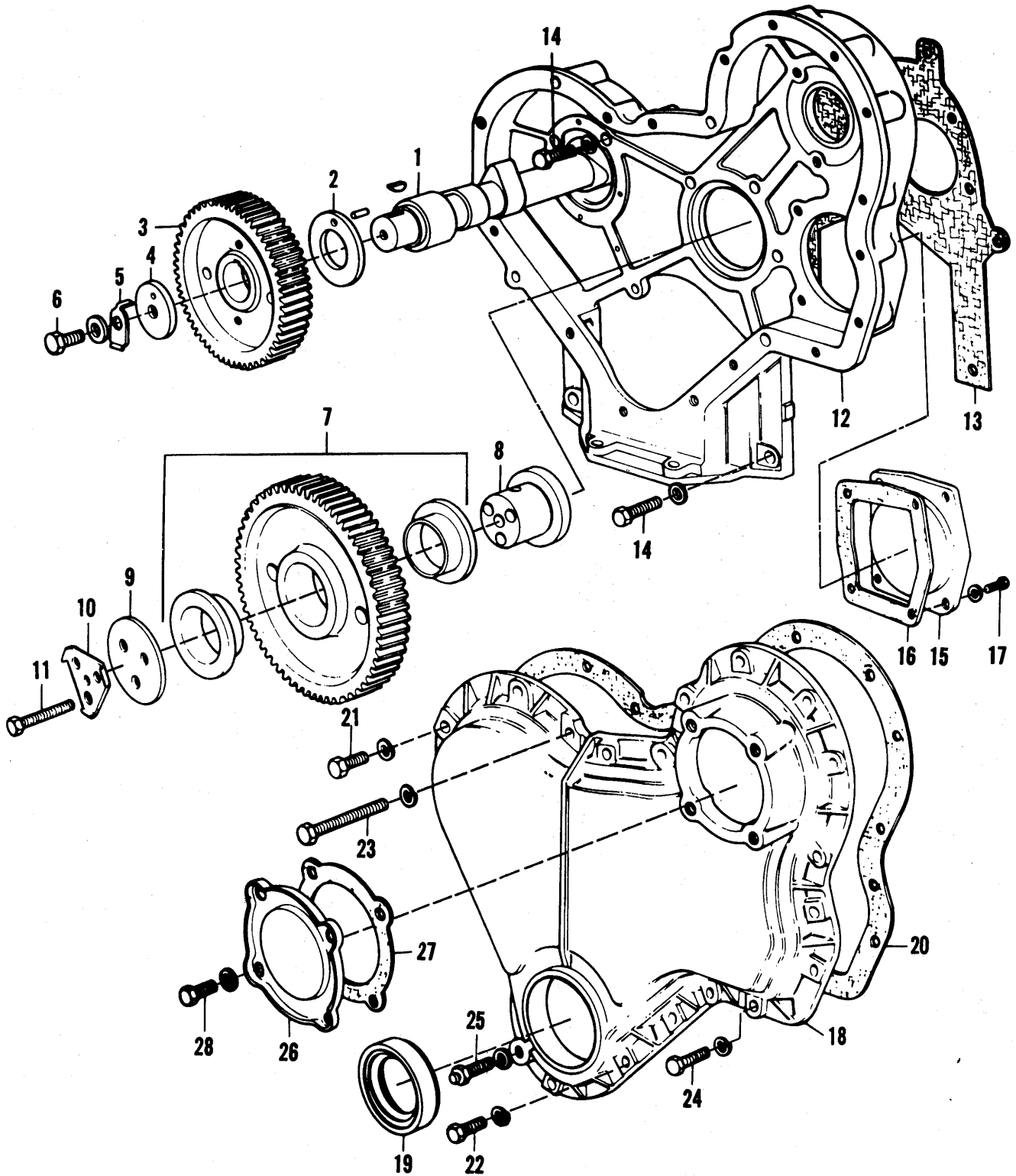


## CYLINDER HEAD COVER &amp; ROCKER ARM

ITEM	NUMBER	QTY.	DESCRIPTION
1	0251251-5	1	COVER, cylinder head
2	0251250-7	1	GASKET, cover to cylinder head
	1015742-8	1	GASKET, cover to cylinder head
3	0251254-9	4	SCREW, cover to cylinder head
	0251255-6	4	WASHER, plain
	0916964-0	4	WASHER, spring
4	1007671-9	1	PIPE, cover breather extension
5	0251258-0	1	HOSE, pipe extension
6	0251259-8	2	CLIP, hose
-	-----	1	SHAFT ASY., rocker (Incl. Items 7 thru 17)
7	0251347-1	1	SHAFT, rocker (Incl. PLUG)
	0251208-5	2	PLUG, shaft end
8	0251217-6	2	WASHER, shaft end
9	0251218-4	2	CIRCLIP, retaining
10	0251209-3	2	SPRING, rocker shaft, long
11	0251210-1	2	SPRING, rocker shaft, short
12	0251206-9	4	BRACKET, rocker shaft
13	0251211-9	4	LEVER, rocker shaft, R.H. (Incl. BUSHING)
	0251213-5	4	BUSHING, lever
14	0251214-3	4	LEVER, rocker shaft, L.H. (Incl. BUSHING)
	0251213-5	4	BUSHING, lever
15	0251224-2	8	SCREW, tappet adjusting
	0251225-9	8	NUT, lock, tappet adjusting
16	1005030-0	1	PIPE, oil feed, rocker shaft
17	0251223-4	1	SCREW, locating, oil feed pipe
18	0251313-3	1	SEAL, oil feed pipe (In cylinder head)
19	0251197-0	4	STUD, shaft bracket to head
	0251198-8	4	NUT, bracket retaining
	0251199-6	4	WASHER, plain
20	0251226-7	8	ROD, push
21	0257402-8	8	TAPPET



CAMSHAFT, TIMING GEAR & FRONT COVER



816 & 816B TRACTORS  
ENGINE

35

CAMSHAFT, TIMING GEAR & FRONT COVER

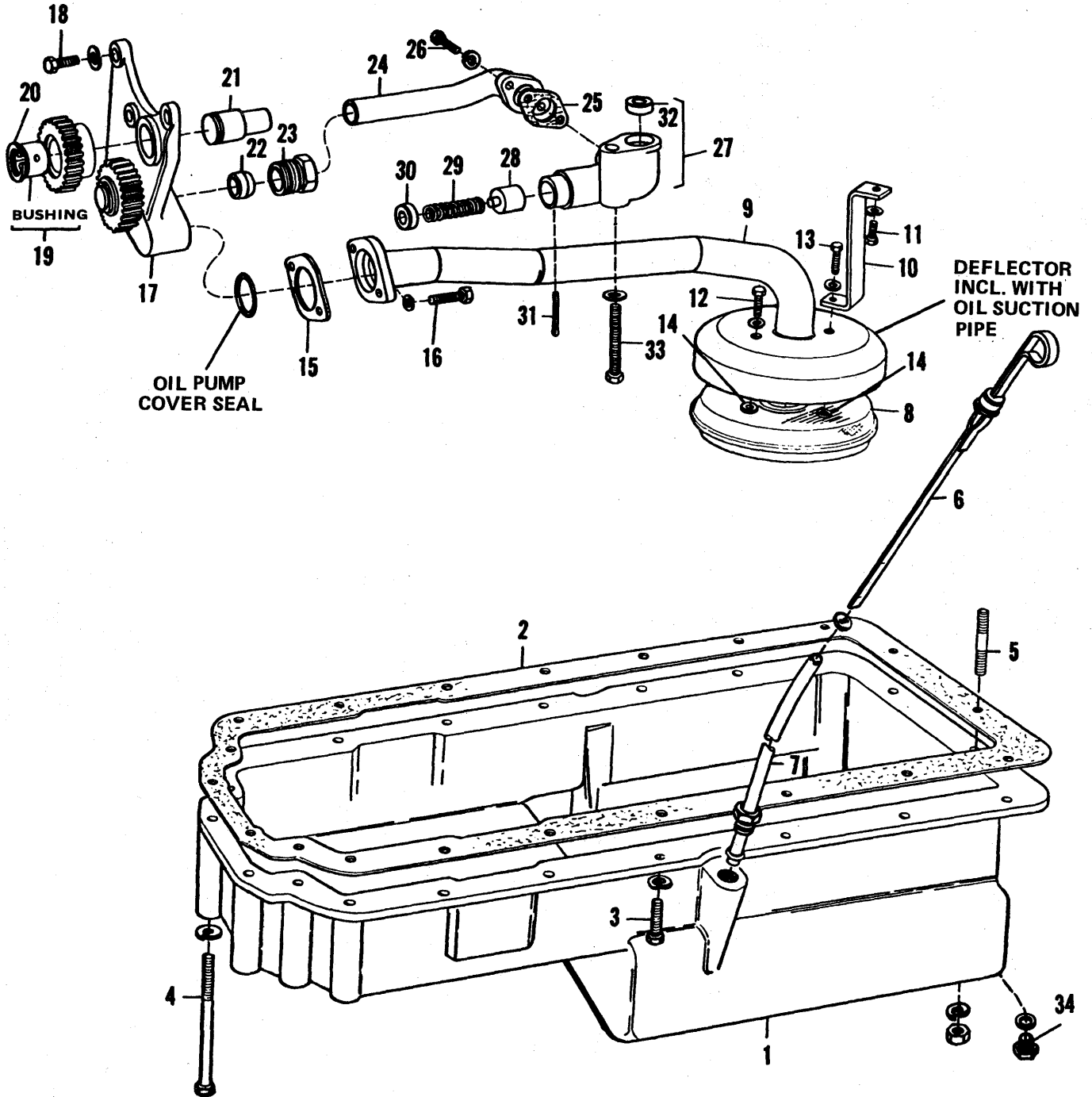
ITEM	NUMBER	QTY.	DESCRIPTION
1	0251050-1	1	CAMSHAFT
	0905845-4	1	KEY, camshaft
2	0251057-6	1	WASHER, thrust, camshaft
	0251058-4	1	DOWEL, thrust washer
3	0251051-9	1	GEAR, camshaft
4	0251054-3	1	WASHER, capscrew
5	0251055-0	1	WASHER, tab gear retaining
6	0927068-7	1	CAPSCREW, gear retaining
	0251056-8	1	WASHER, shim
7	0251060-0	1	GEAR, idler
	0251062-6	2	BUSHING, gear
8	1007958-0	1	HUB, idler gear
9	0251063-4	1	PLATE, gear retaining
10	0251065-9	1	WASHER, tab plate retaining
11	0922484-1	3	CAPSCREW, plate to block
12	1018559-3	1	HOUSING, timing gear
13	0251085-7	1	GASKET, gear housing to block
14	0923325-5	9	CAPSCREW, gear housing to block
	0917356-8	9	WASHER, spring
15	0254970-7	1	PLATE, gear housing blanking
16	0254971-5	1	GASKET, plate to housing
17	0920623-6	4	CAPSCREW, plate to housing
	0251095-6	4	WASHER, plain
18	0257364-0	1	COVER, housing front (Prior Tr. S/N 2575)
	1010485-9	1	COVER, housing front (Eff. Tr. S/N 2575 & Up)
19	0257365-7	1	SEAL, oil, front cover
20	0251096-4	1	GASKET, cover to housing
21	0921985-8	1	CAPSCREW, cover to housing
	0916965-7	1	LOCKWASHER, 3/8
22	0923325-5	3	CAPSCREW, cover to housing, bottom
	0251095-6	3	WASHER, plain
23	0918786-5	4	CAPSCREW, cover to housing
	0917356-8	4	WASHER, spring
24	0923325-5	12	CAPSCREW, cover to housing
	0917356-8	12	WASHER, spring
25	0251099-8	1	PIN, engine timing
	0251100-4	1	WASHER, timing pin
26	0251102-0	1	COVER, inspection, front
27	0251101-2	1	GASKET, inspection cover
28	0920623-6	4	CAPSCREW, inspection cover
	0251095-6	4	WASHER, plain

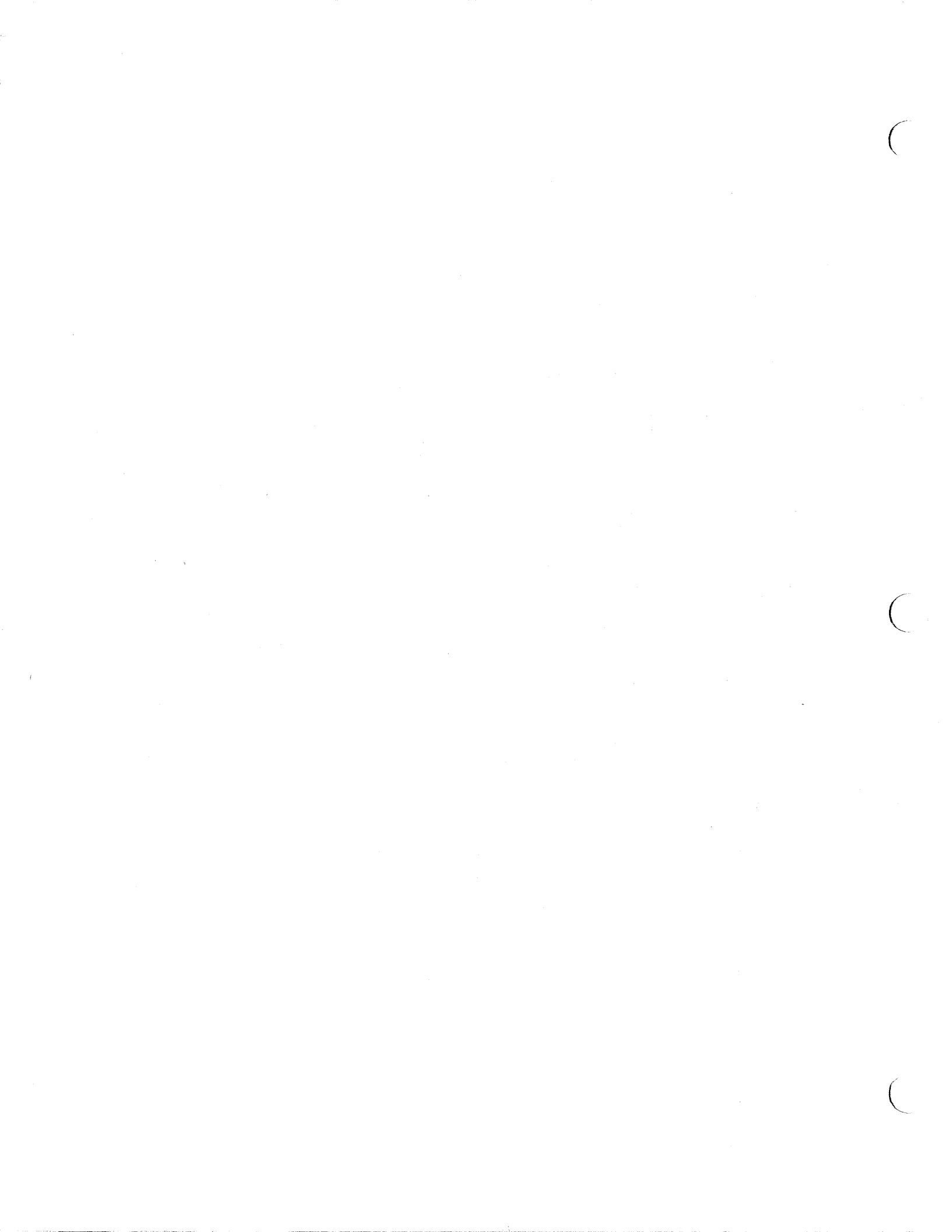
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LUBRICATING SYSTEM  
OIL PUMP & PAN



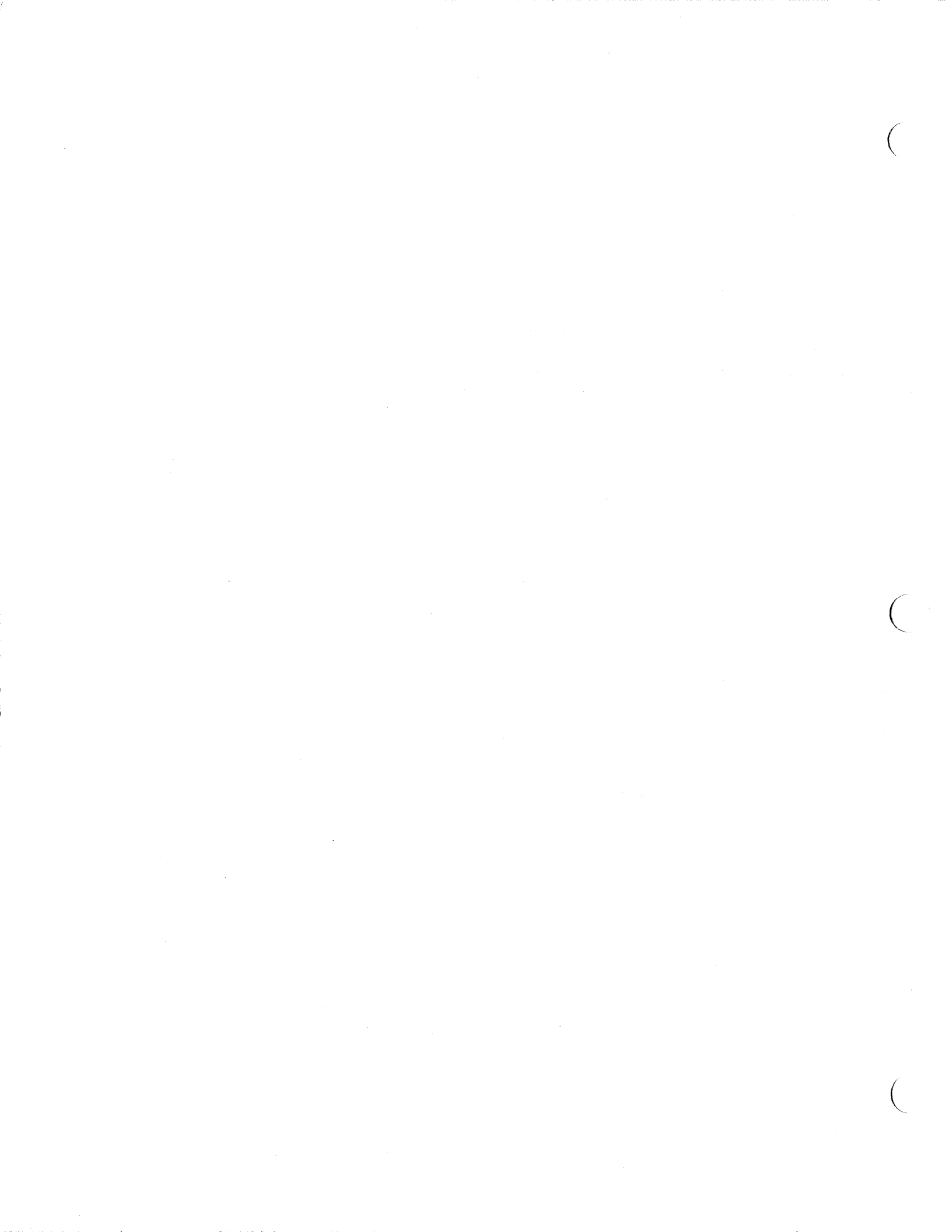


816 & 816B TRACTORS  
ENGINE

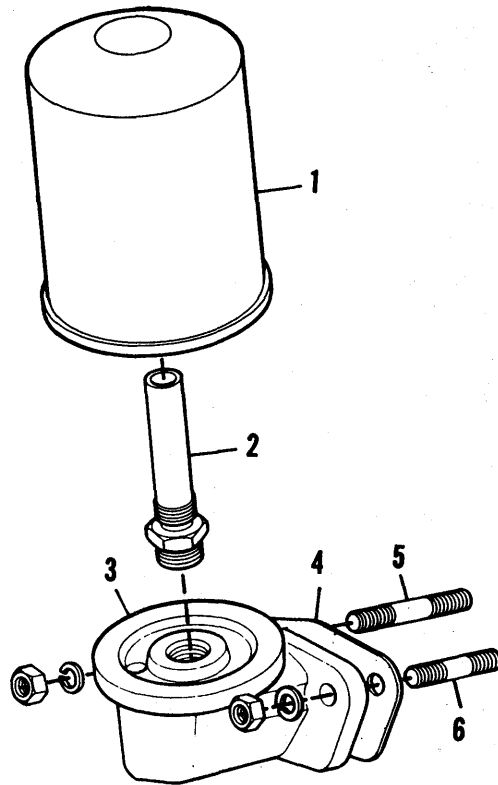
37

LUBRICATING SYSTEM  
OIL PUMP & PAN

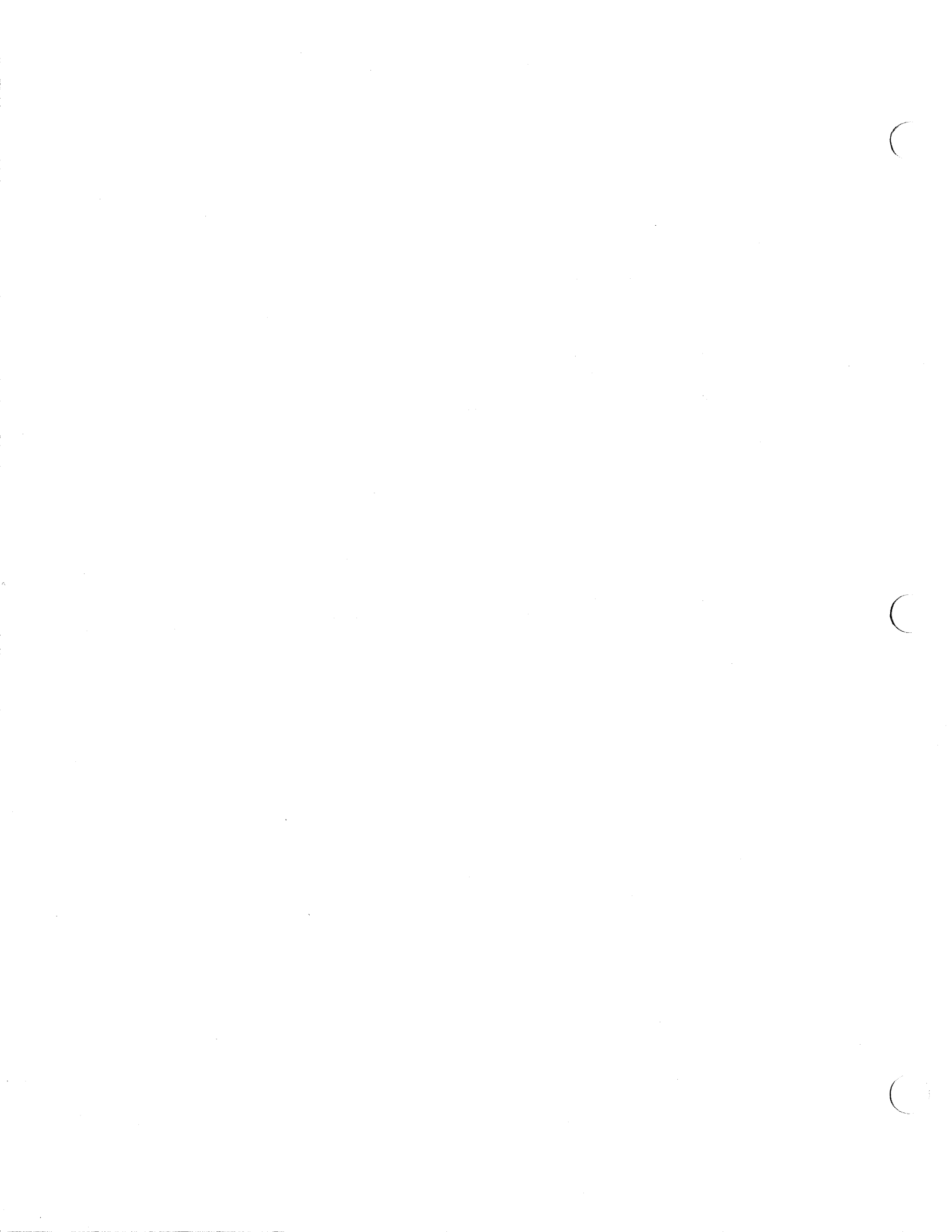
ITEM	NUMBER	QTY.	DESCRIPTION
1	1005038-3	1	PAN, oil sump (Prior Tr. S/N 2576)
	1007673-5	1	PAN, oil sump, 45° (Eff. Tr. S/N 2576 & Up)
2	0251174-9	1	GASKET, oil sump pan
3	0923325-5	12	CAPSCREW, pan to block
	0917356-8	12	WASHER, spring
4	0254561-4	6	CAPSCREW, pan to block & gear housing
	0917356-8	6	WASHER, spring
5	1005040-9	2	STUD, pan to block & bridge piece
	0920263-1	2	NUT, block to bridge
	0917356-8	2	WASHER, spring
6	0251171-5	1	DIPSTICK ASY. (Incls. WASHER)
	0251173-1	1	WASHER, dipstick
7	0251169-9	1	TUBE, oil dipstick (Incls. WASHER)
	0251170-7	1	NUT, tube retaining
8	0251164-0	1	STRAINER, oil suction
9	1005041-7	1	PIPE, oil suction (Incls. DEFLECTOR) (Prior Tr. S/N 2576)
	1012390-9	1	PIPE, oil suction (Incls. DEFLECTOR) (Eff. Tr. S/N 2576 & Up)
10	1005042-5	1	CLIP, pipe support (Prior Tr. S/N 2576)
11	0911169-1	1	CAPSCREW, clip to bearing cap
	0251089-9	1	WASHER, plain
12	0916399-9	2	CAPSCREW, suction pipe to strainer
	0916964-0	2	WASHER, spring
13	1005044-1	1	CAPSCREW, pipe to strainer & clip (Prior Tr. S/N 2576)
	0916964-0	1	WASHER, spring
14	0251255-6	2	WASHER, spring
15	1005045-8	1	GASKET, pipe flange to body
16	0921515-3	1	CAPSCREW, pipe flange to pump
	0917356-8	1	WASHER, spring
17	1005046-6	1	PUMP, oil (Incls. SEAL)
	1005047-4	1	SEAL, oil pump cover
18	0923325-5	3	CAPSCREW, oil pump to front cap
	0917356-8	3	WASHER, spring
19	1005048-2	1	GEAR, oil pump idler (Incls. BUSHING)
	1005049-0	1	BUSHING, gear
20	1005050-8	1	CIRCLIP, retaining, gear
21	1005051-6	1	SHAFT, idler gear
22	1005054-0	1	SLEEVE, delivery pipe
23	1005053-2	1	NUT, delivery pipe
24	1005052-4	1	PIPE, oil delivery
25	1005055-7	1	GASKET, pipe to housing
26	0916399-9	2	CAPSCREW, pipe to housing
	0916964-0	2	WASHER, spring
27	1005057-3	1	HOUSING, oil delivery (Incl. Items 28 thru 31)
28	0251150-9	1	PLUNGER, oil relief valve
29	0251151-7	1	SPRING, oil relief valve
30	0251152-5	1	CAP, oil relief valve
31	0251153-3	1	PIN, cotter
32	0251129-3	1	THIMBLE, housing to block
33	0923310-7	1	CAPSCREW, housing to block
	0916965-7	1	LOCKWASHER, 3/8
34	0912725-9	1	PLUG, pipe, 1/2NPT (Prior Tr. S/N 2576)
	1007674-3	1	PLUG, drain (Eff. Tr. S/N 2576 & Up)
	1007675-0	1	WASHER



LUBRICATING SYSTEM  
OIL FILTER







816 & 816B TRACTORS  
ENGINE

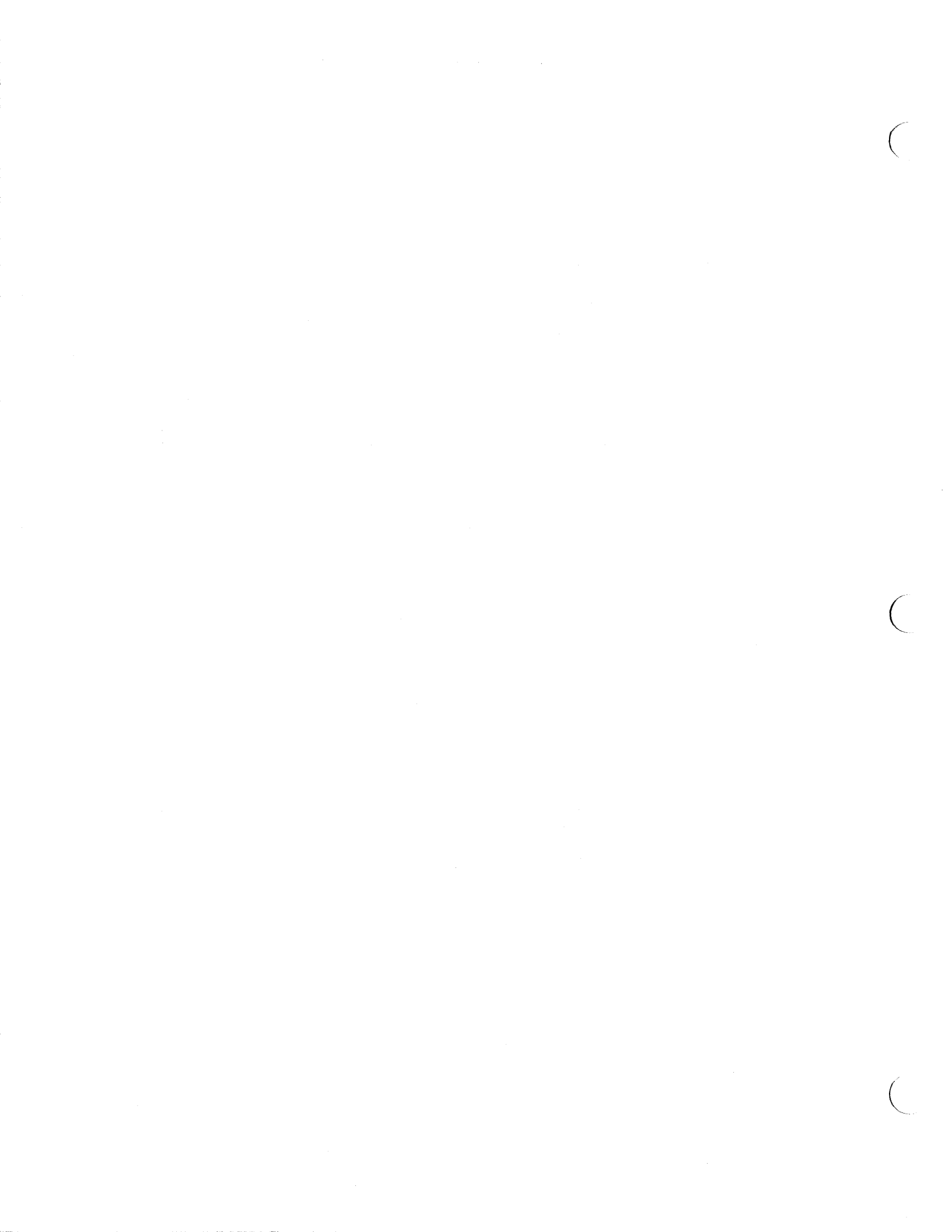
39

LUBRICATING SYSTEM  
OIL FILTER

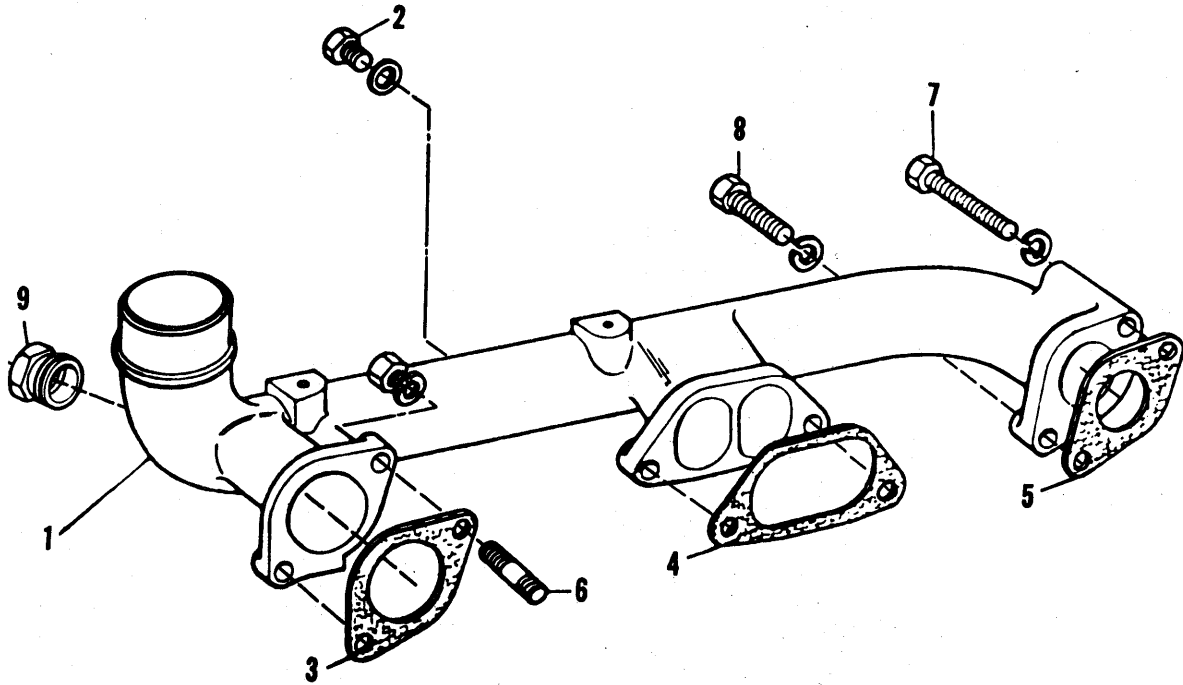
ITEM	NUMBER	QTY.	QTY.	DESCRIPTION
		*	**	
-	-----	1	0	FILTER ASY., oil
	1014803-9	0	1	FILTER ASY., oil
1	0237000-5	1	0	FILTER, oil
	1014121-6	0	1	ELEMENT
2	0251179-8	1	0	STANDPIPE, oil filter
3	0251181-4	1	0	ADAPTER, oil filter (Use ADAPTER 1015595)
	0251180-6	1	0	ADAPTER
4	0251182-2	1	0	GASKET, adapter
	0251416-4	0	1	GASKET
5	0251075-8	1	1	STUD, adapter to cylinder block
	0913901-5	1	1	NUT, filter to block
	0918199-1	1	1	WASHER, spring
6	0251083-2	1	1	STUD, filter to block
	0913901-5	1	1	NUT, filter to block
	0918199-1	1	1	WASHER, spring
-	1015595-0	0	1	ADAPTER (Not shown)

\*Prior S/N 248U17857

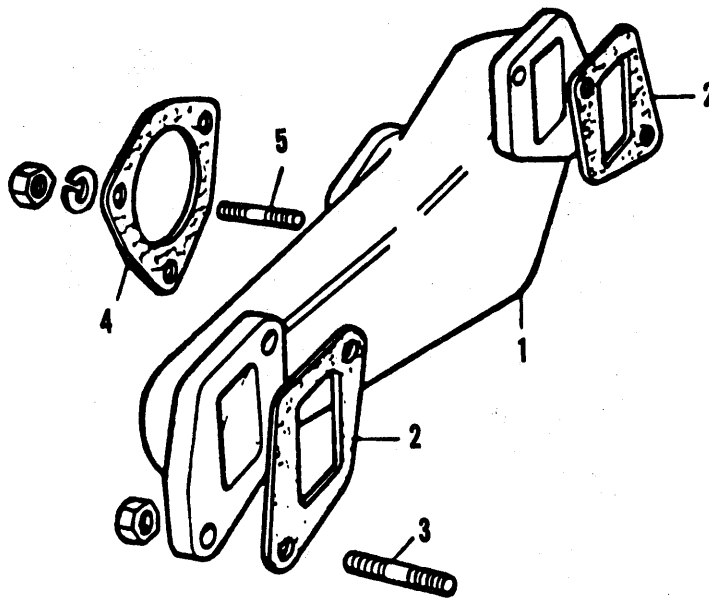
\*\*Eff. S/N 248U17857 & Up

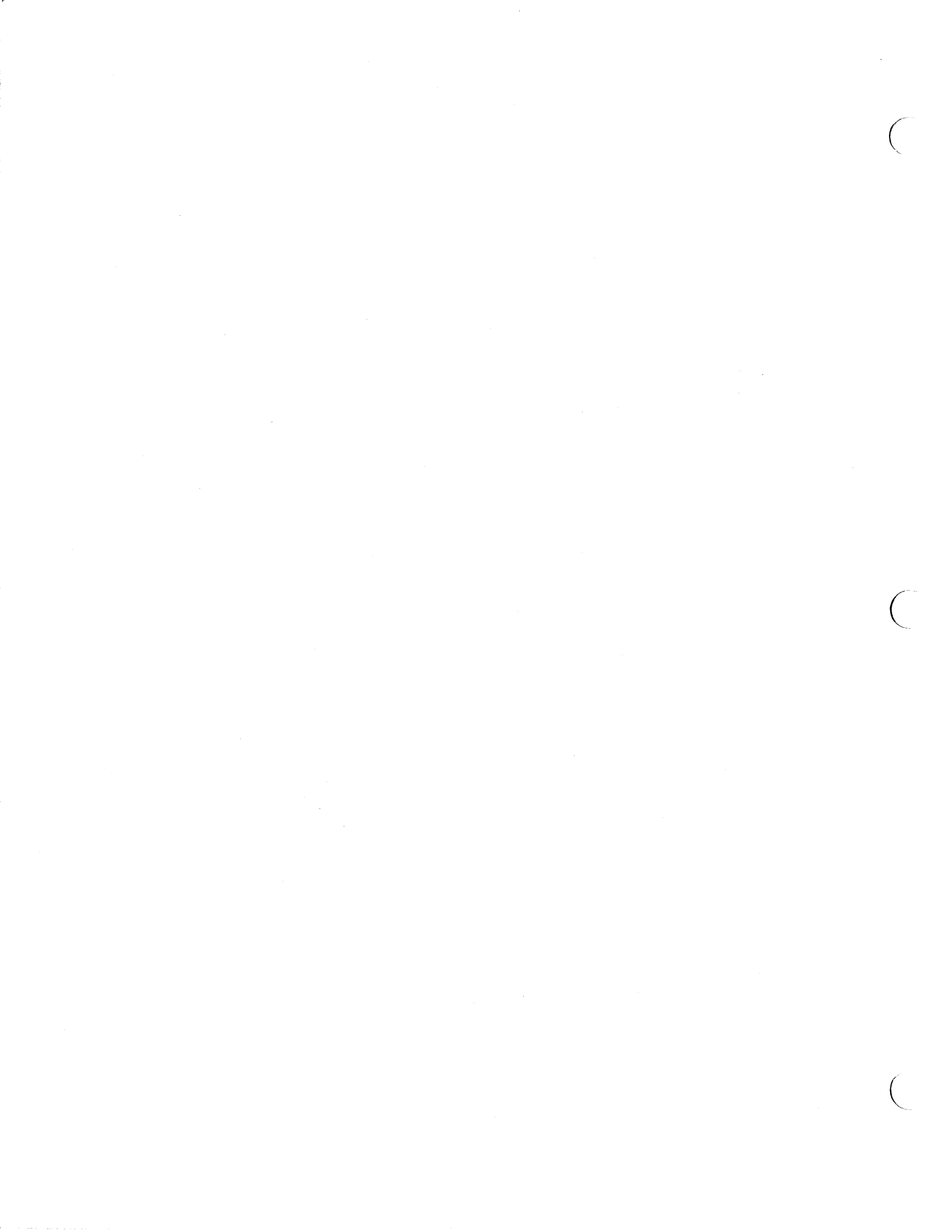


MANIFOLD  
INTAKE



MANIFOLD  
EXHAUST





816 & 816B TRACTORS  
AIR INTAKE & EXHAUST

41

MANIFOLD  
INTAKE

ITEM	NUMBER	QTY.	DESCRIPTION
1	1006813-8	1	MANIFOLD, intake
2	0922586-3	1	PLUG, intake manifold
	0251014-7	1	WASHER, plug
3	0251242-4	1	GASKET, manifold to head, front
4	0251240-8	1	GASKET, manifold to head, center
5	0251241-6	1	GASKET, manifold to head, rear
6	0251202-8	1	STUD, manifold to head, front top hole
	0916965-7	1	LOCKWASHER, 3/8
	0916602-6	1	NUT, manifold retaining
7	0922484-1	1	CAPSCREW, manifold to head, long
	0916965-7	1	LOCKWASHER, 3/8
8	0927342-6	4	CAPSCREW, manifold to head
	0916965-7	4	LOCKWASHER, 3/8
9	0251248-1	1	ADAPTER, quick start nozzle

MANIFOLD  
EXHAUST

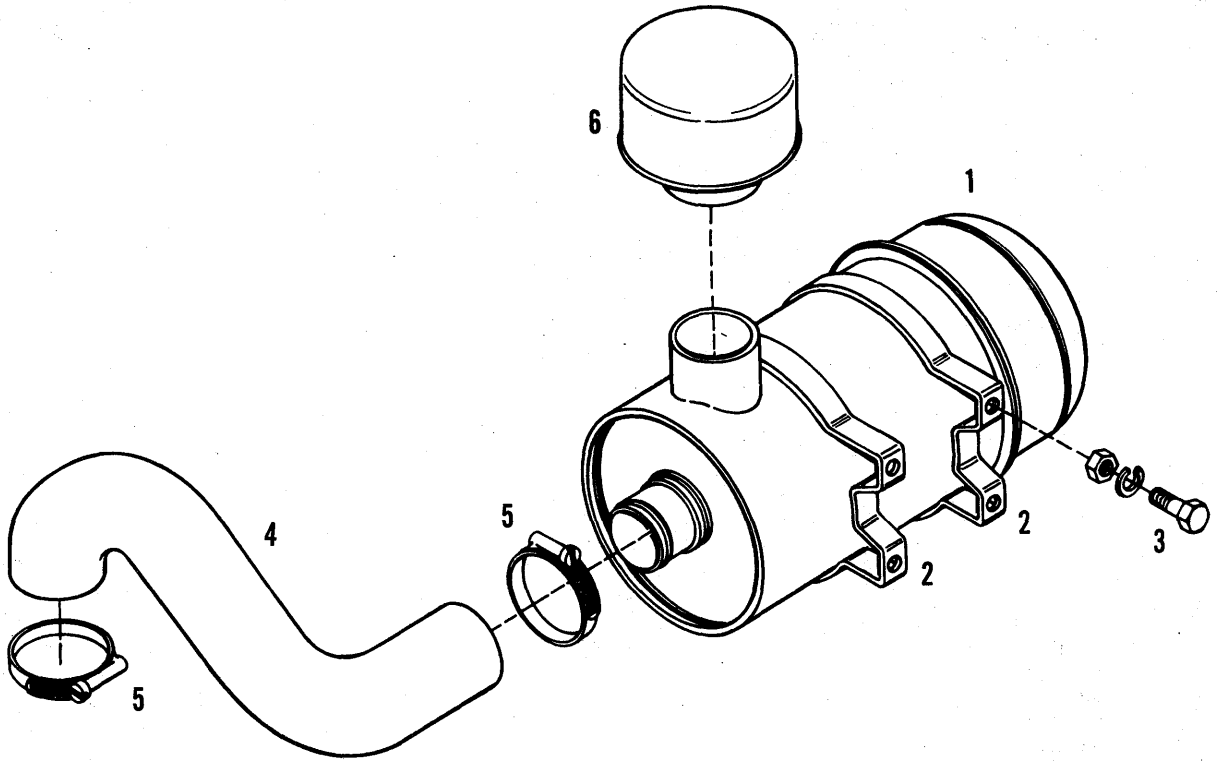
ITEM	NUMBER	QTY.	DESCRIPTION
1	0251235-8	1	MANIFOLD, exhaust
2	0257463-0	2	GASKET, manifold to head
3	0251200-2	4	STUD, manifold to head
	0251201-0	4	NUT, stud retaining
4	0251239-0	1	GASKET, exhaust manifold outlet
5	0251202-8	3	STUD, flange to manifold
	0916602-6	3	NUT, flange retaining
	0251238-2	3	WASHER, plain

C

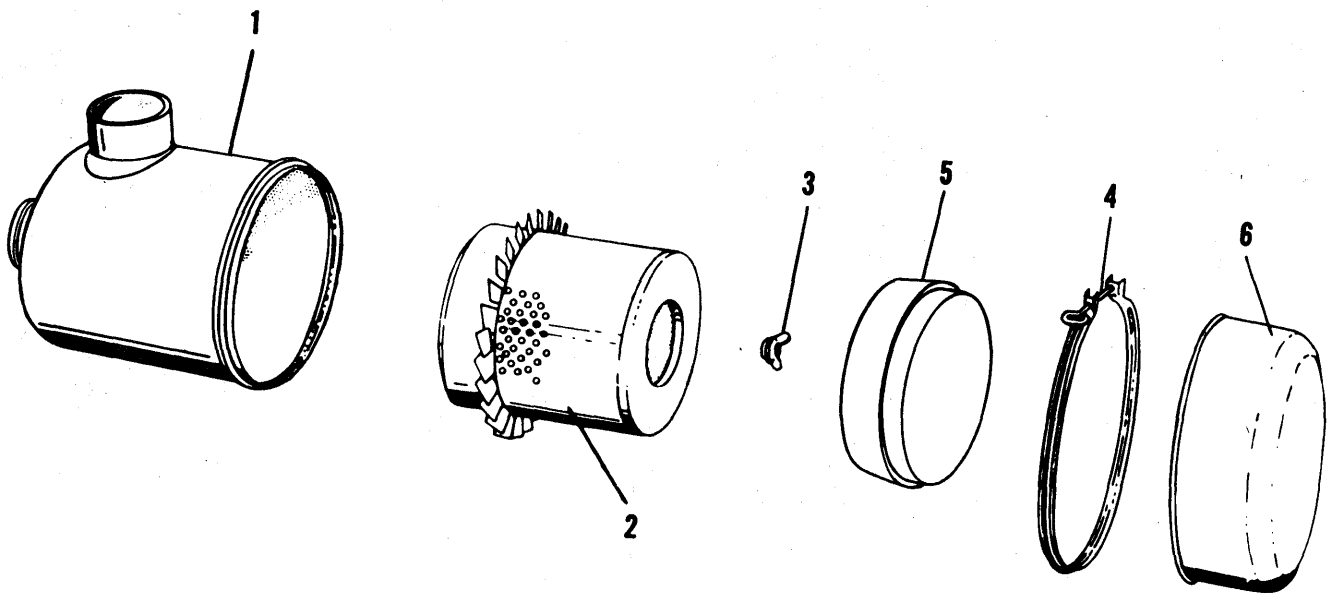
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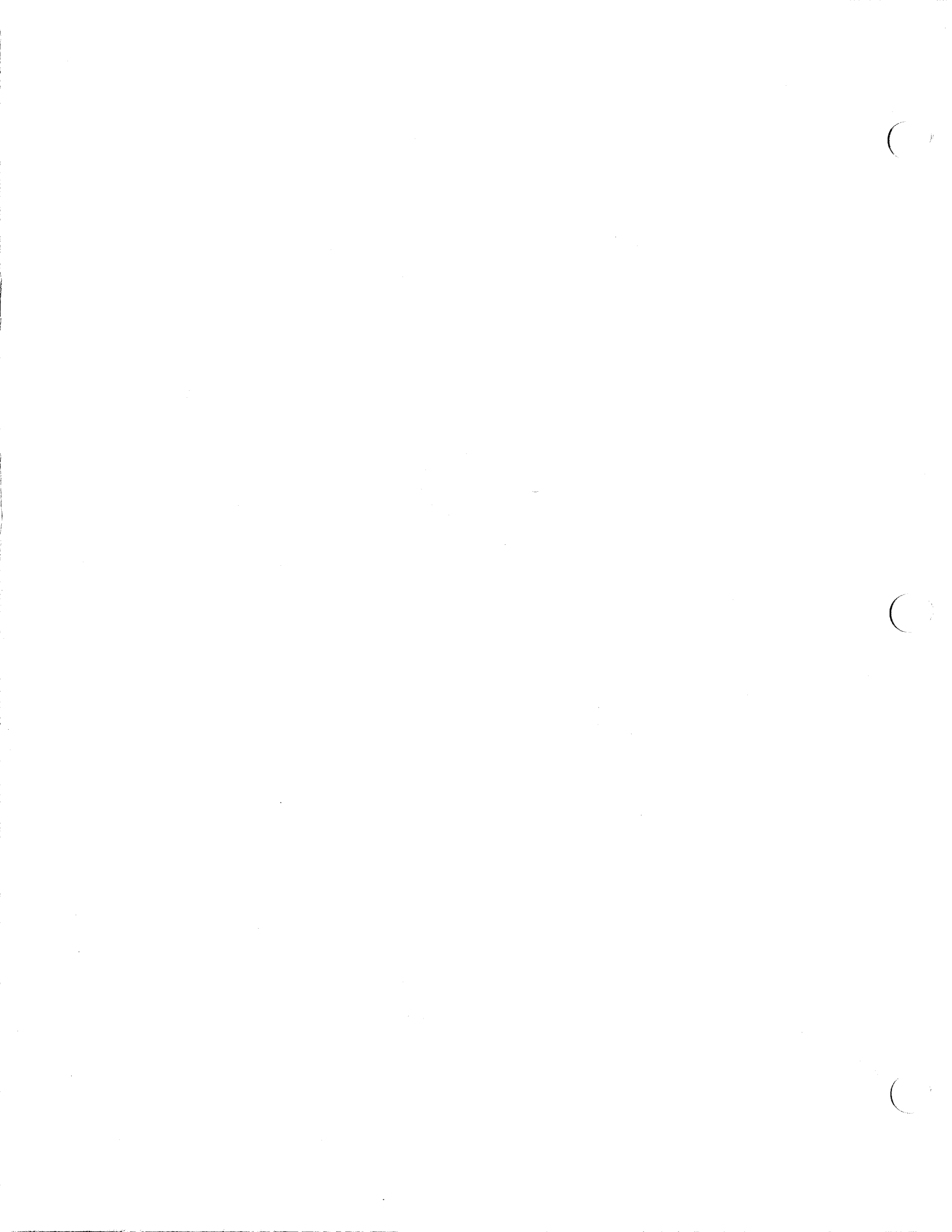
AIR CLEANER GROUP



AIR CLEANER







816 & 816B TRACTORS  
AIR INTAKE & EXHAUST

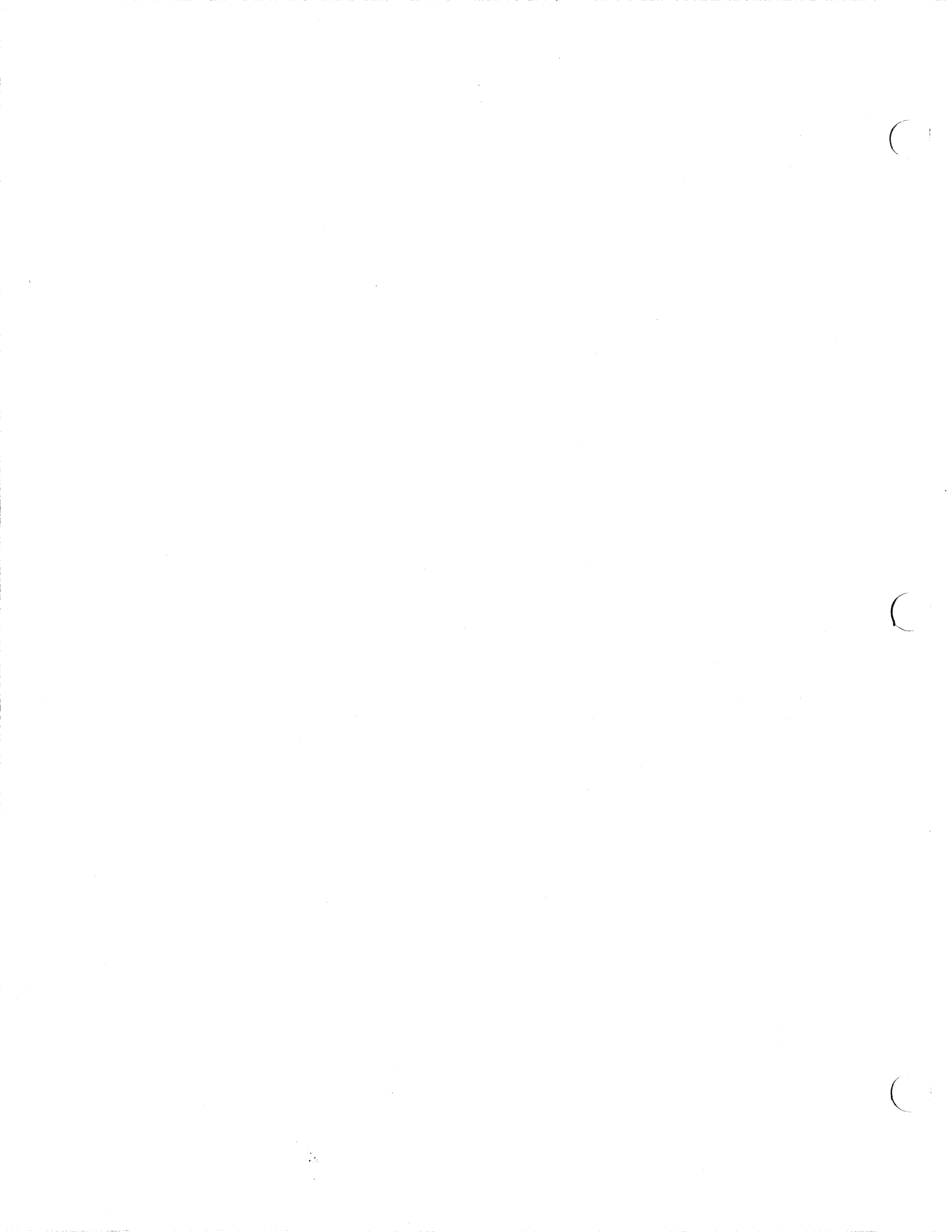
43

AIR CLEANER GROUP

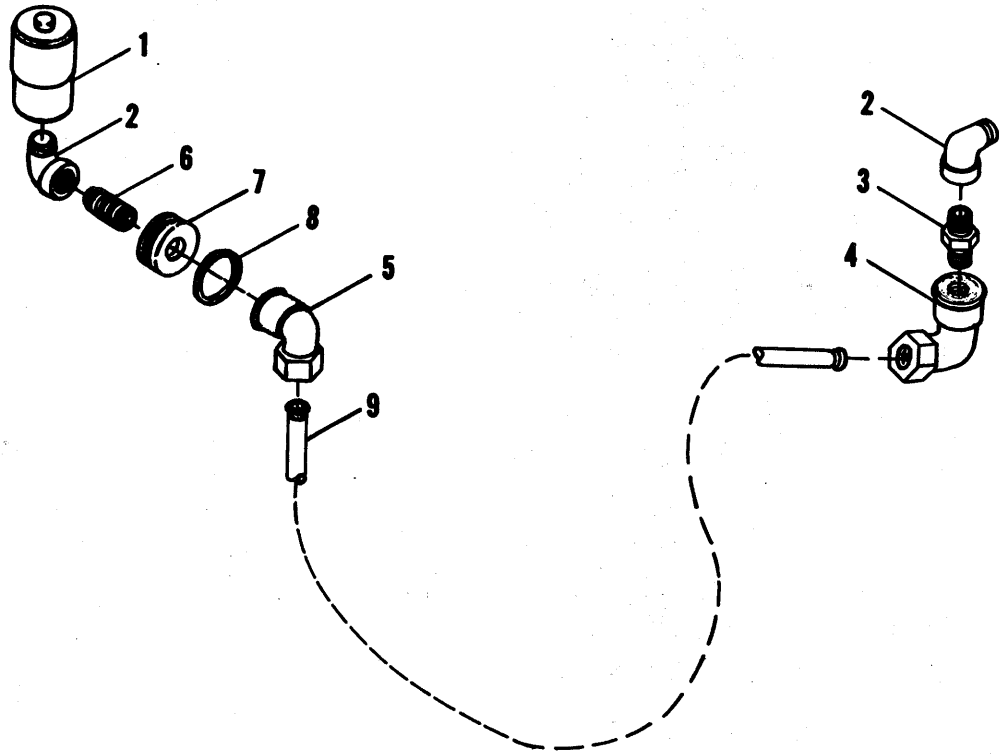
ITEM	NUMBER	QTY.	DESCRIPTION
1	1005365-0	1	AIR CLEANER (Refer to AIR CLEANER ASY. for components)
2	1004422-0	2	CLAMP, air cleaner mounting
3	0921333-1	4	CAPSCREW
	0917356-8	4	LOCKWASHER, 5/16
	0917372-5	4	NUT, 5/16NC
4	1006390-7	1	HOSE, air cleaner to engine
5	0921914-8	2	CLAMP, worm drive
6	1006389-9	1	CAP, dust

AIR CLEANER

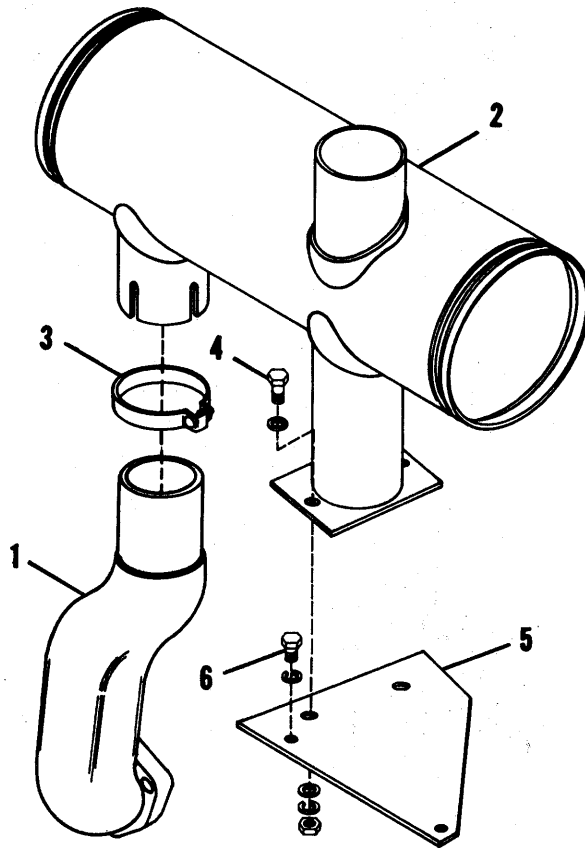
ITEM	NUMBER	QTY.	DESCRIPTION
—	1005365-0	1	CLEANER ASY., air
1	-----	—	BODY ASY. (Not serviced separately)
2	1004652-2	1	ELEMENT ASY.
3	0239517-6	1	NUT ASY.
4	1004653-0	1	CLAMP ASY.
5	0638416-8	1	BAFFLE
6	4059256-0	1	CUP ASY.

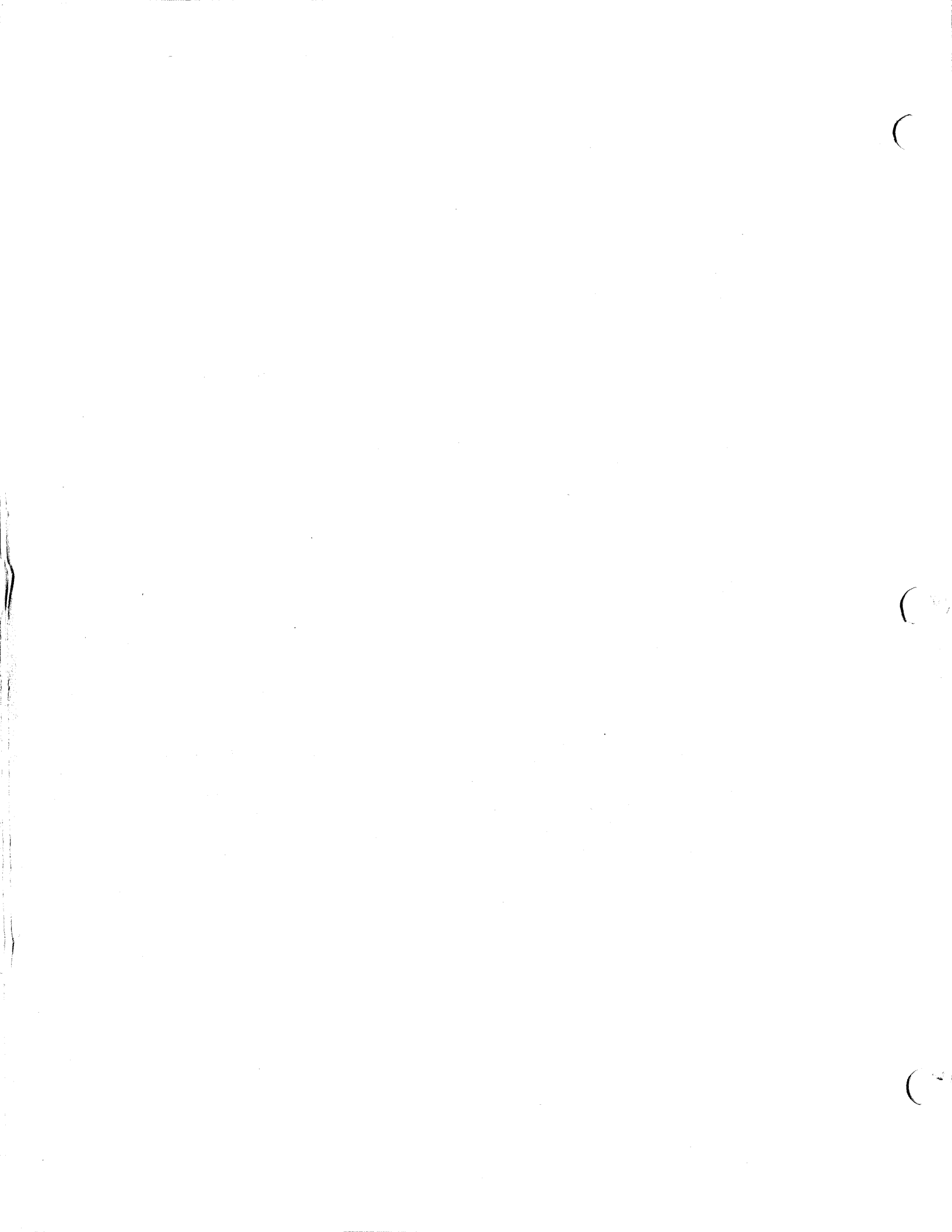


AIR CLEANER INDICATOR

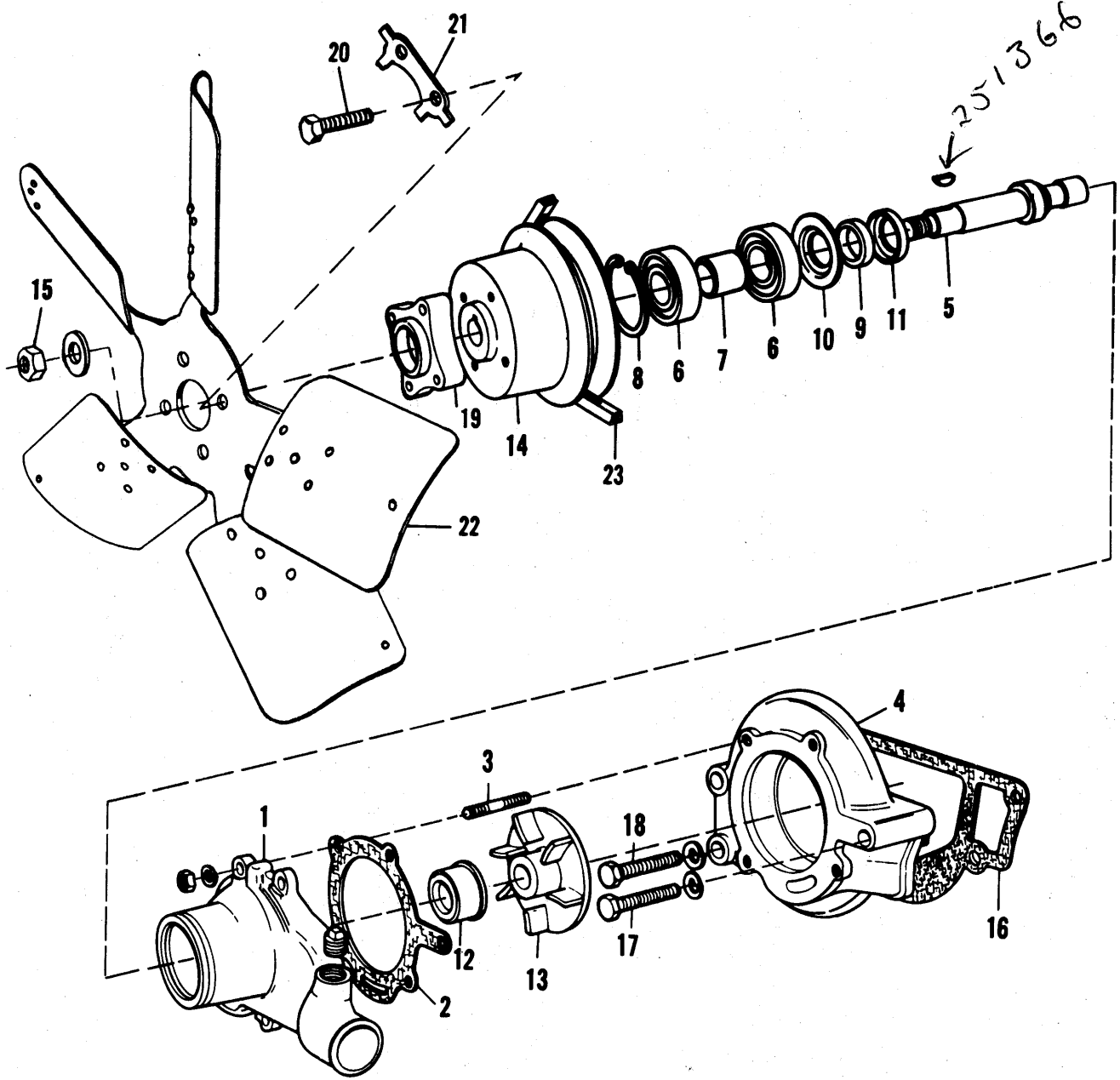


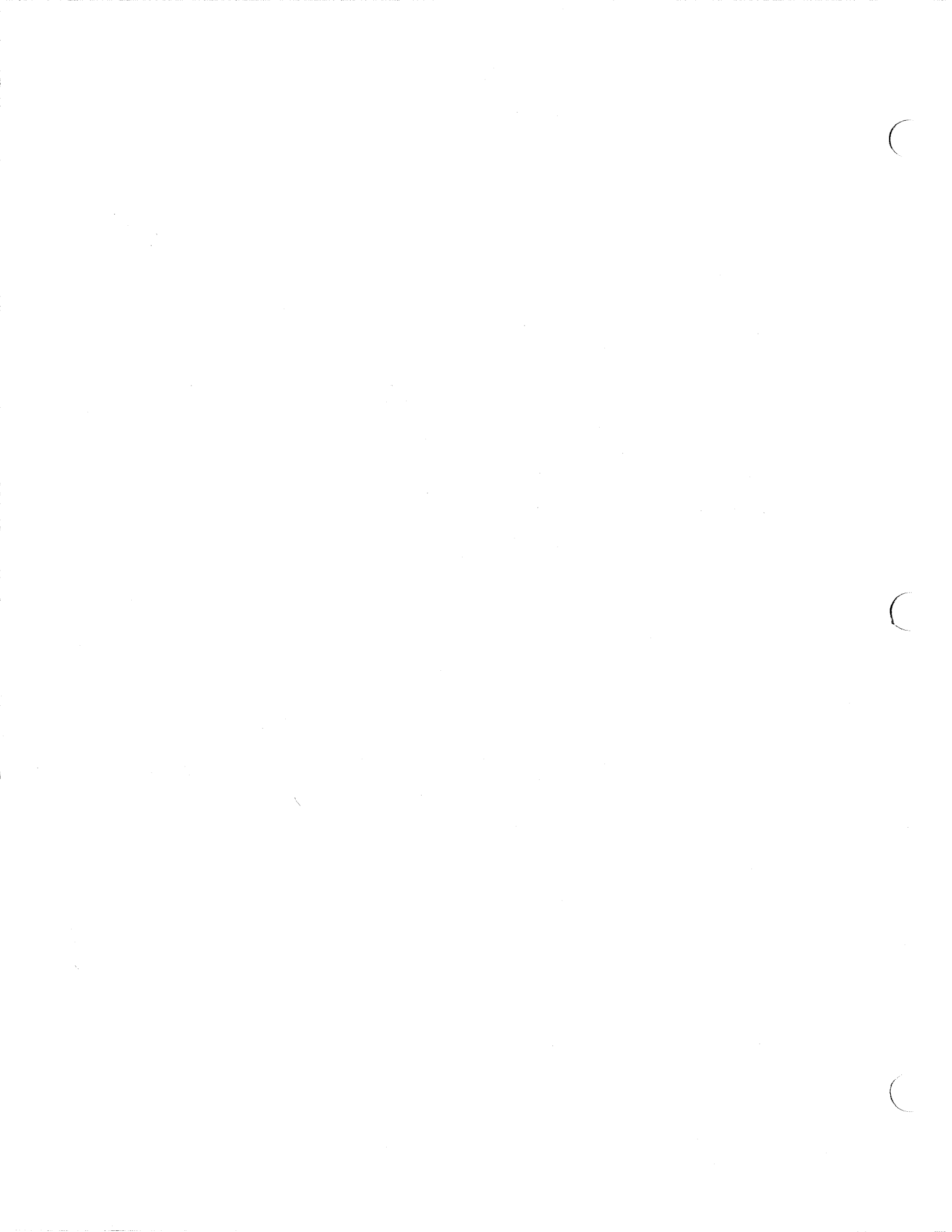
MUFFLER





WATER PUMP





816 & 816B TRACTORS  
COOLING SYSTEM

WATER PUMP

ITEM	NUMBER	QTY.	DESCRIPTION
-	1017191-6	1	PUMP ASY., water (Incls. Items 1 thru 13)
1	0251419-8	1	BODY, front (Use PUMP ASY. 1017191)
2	1007097-7	1	GASKET, front body to rear body
3	8001709-8	4	STUD, front body to rear body
	0920263-1	4	NUT, front body to rear body
	0917356-8	4	WASHER, spring
4	1006815-3	1	BODY, rear (Prior Pump)
	1017192-4	1	BODY, rear (Eff. Pump)
5	0251407-3	1	SHAFT, drive (Prior Tr. S/N 2576) (Use REPAIR KIT 1014879)
	0256137-1	1	SHAFT, drive (Eff. Tr. S/N 2576 & Up) (Use REPAIR KIT 1014879)
251366	<del>0251386-4</del>	1	KEY, drive shaft
6	0251380-2	2	BEARING, shaft
7	0251408-1	1	DISTANCE PIECE, pump bearing (Use REPAIR KIT 1014879)
8	0251362-0	1	CIRCLIP, bearing retaining
9	0251414-9	1	SEAL, front
10	0251410-7	1	FLANGE, front seal
11	0251409-9	1	RETAINER, front seal (Use REPAIR KIT 1014879)
12	0251379-4	1	SEAL, rear
13	0251418-0	1	IMPELLER, pump (Prior Tr. S/N 2576)
	0256138-9	1	IMPELLER, pump (Eff. Tr. S/N 2576 & Up) (Use REPAIR KIT 1014879)
14	0251400-8	1	PULLEY, pump
15	0256141-3	1	NUT, pulley retaining
	0251374-5	1	WASHER, plain
16	1006816-1	1	GASKET, pump to block
17	0915840-3	1	CAPSCREW, pump to block
	0916965-7	1	LOCKWASHER, 3/8
18	0922484-1	1	CAPSCREW, pump to block, lower
	0916965-7	1	LOCKWASHER, 3/8
	0922484-1	2	CAPSCREW, pump to block
19	0251266-3	1	EXTENSION, fan
20	0928424-1	4	CAPSCREW, fan to pulley
22	1005233-0	1	BLADE ASY., fan
23	0255200-8	1	BELT, fan
24	0251184-8	1	PLUG, water pump body, front
-	0256136-3	1	CENTERFACE, ceramic (Not shown)

*sub assy only, don't include items 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24*

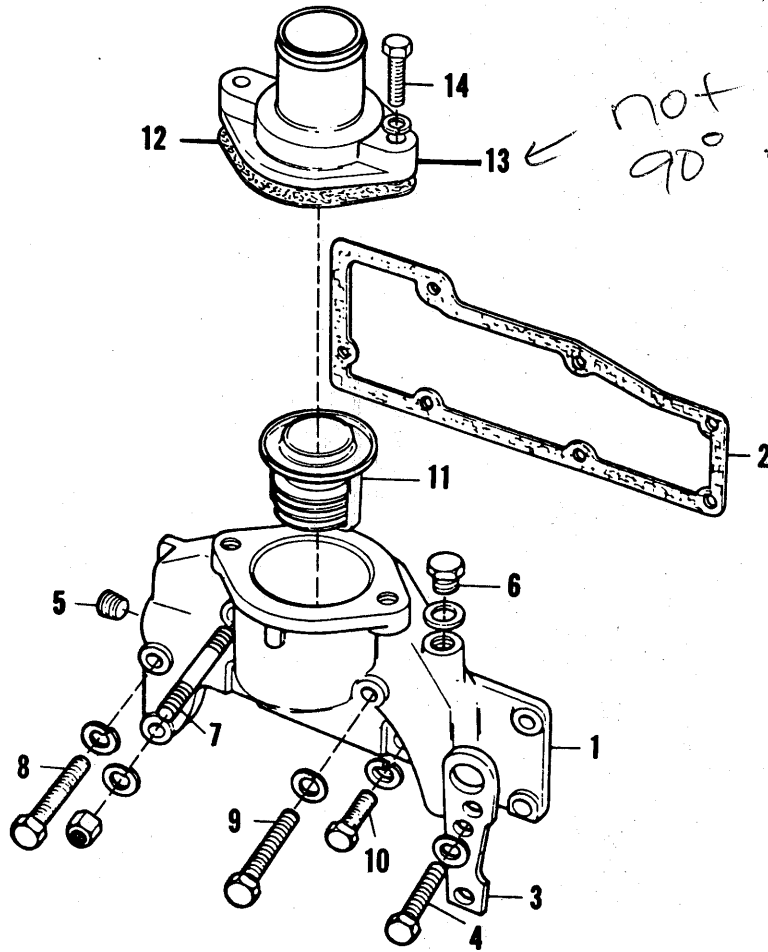
*6090259  
Hub + Pulley  
Kit*

-	1005098-7	1	0 REPAIR KIT
-	1014879-9	0	1 REPAIR KIT
	0251407-3	1	0 SHAFT
	0251380-2	2	2 BEARING
	0251408-1	1	1 SPACER (Use REPAIR KIT 1014879)
	0251362-0	1	1 CLIP
	0251414-9	1	1 SEAL
	0251410-7	1	1 FLANGE
	0251409-9	1	1 RETAINER (Use REPAIR KIT 1014879)
	0251379-4	1	1 SEAL
	0251418-0	1	0 IMPELLER
	0256138-9	0	1 IMPELLER (Use REPAIR KIT 1014879)
	0251417-2	1	1 GASKET
	1007097-7	1	0 GASKET
	1006816-1	1	1 GASKET
	1007097-7	0	1 GASKET
	1017193-2	0	1 SEAL, rear
	0256136-3	0	1 CENTERFACE, ceramic
	0251366-1	0	1 KEY, hub retainer

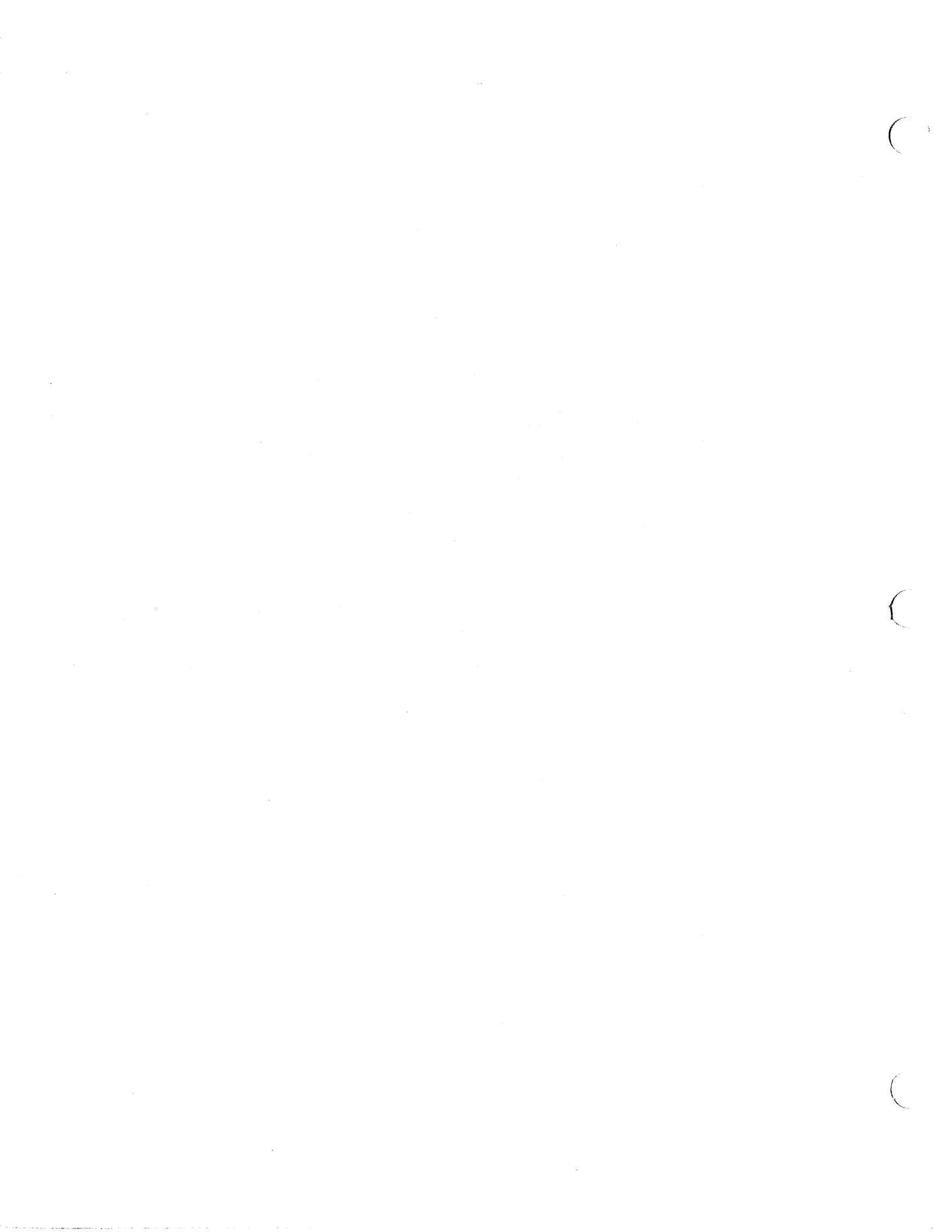




THERMOSTAT & HOUSING



not straight,  
90° elbow

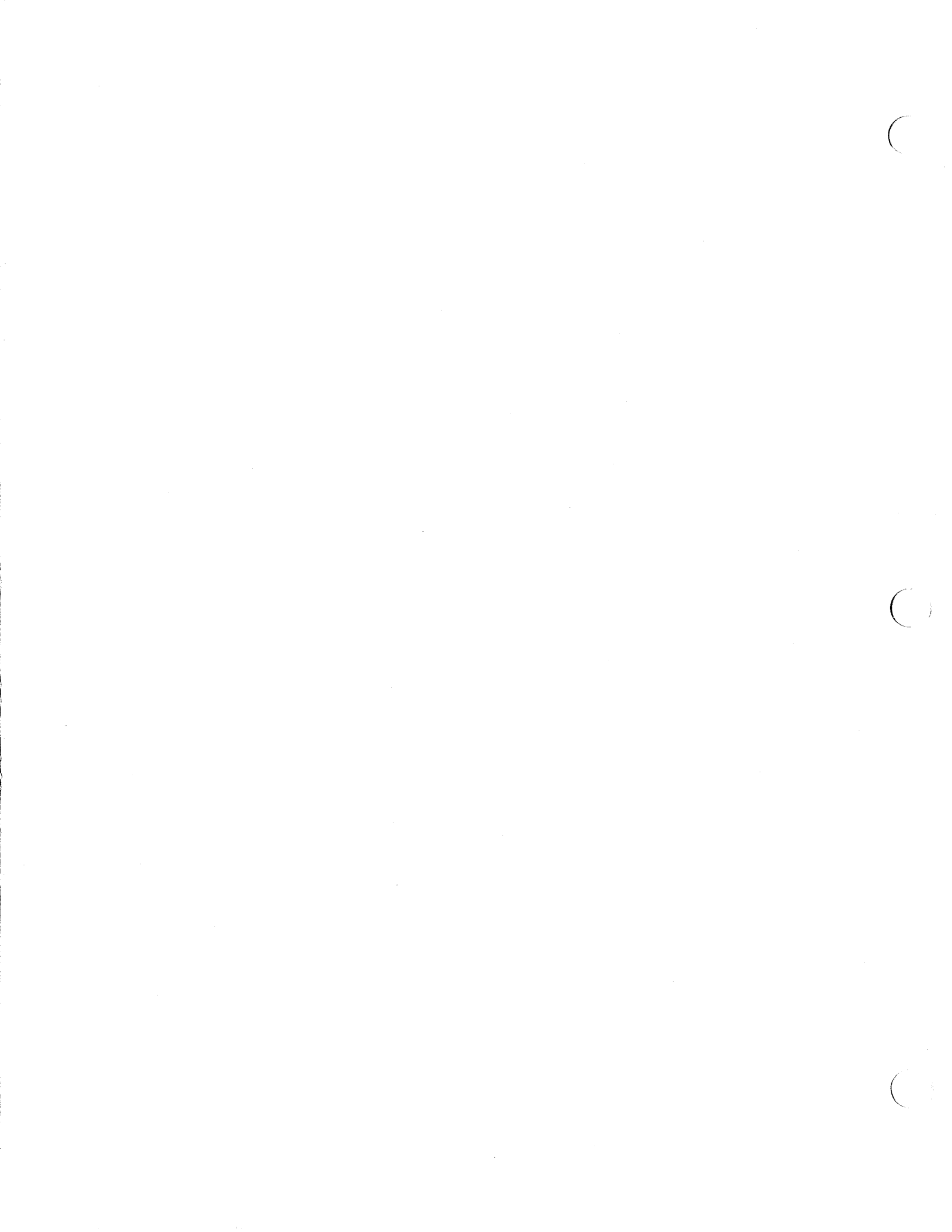


816 & 816B TRACTORS  
COOLING SYSTEM

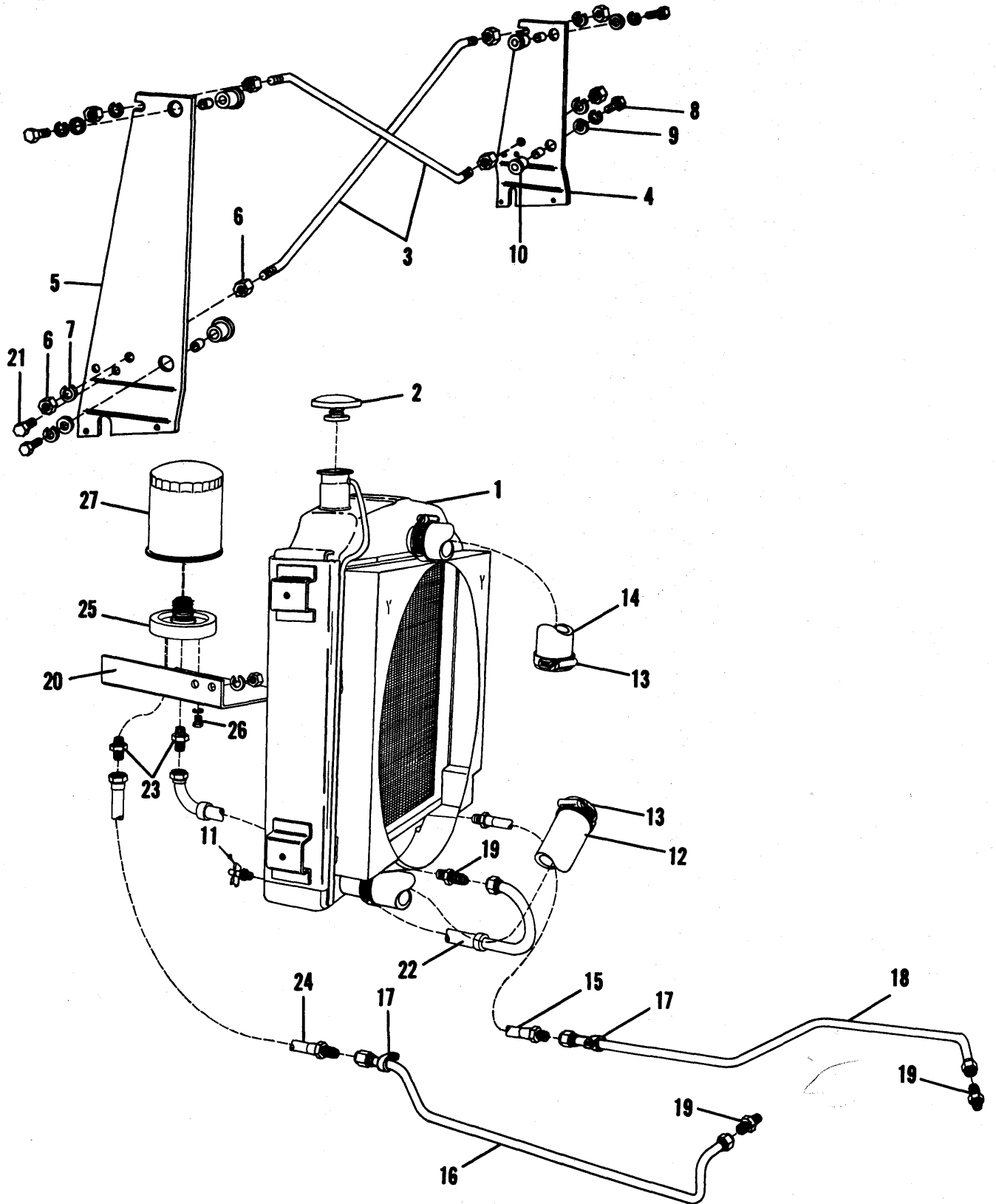
49

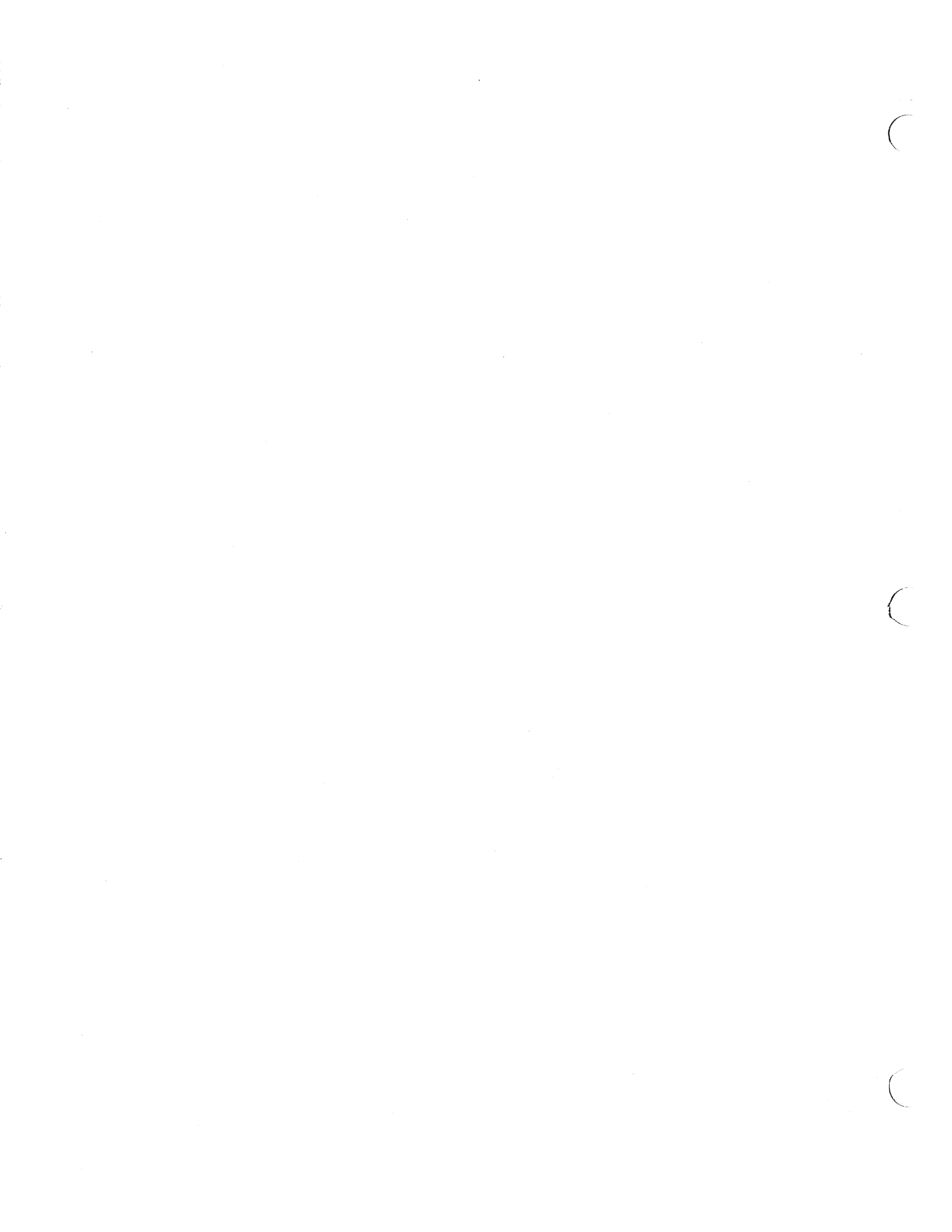
THERMOSTAT & HOUSING

ITEM	NUMBER	QTY.	DESCRIPTION
1	0254489-8	1	BODY, water outlet
2	0251192-1	1	GASKET, water outlet body
3	0251189-7	1	PLATE, engine lifting, front
4	0921969-2	2	CAPSCREW, front lifting plate & outlet to head
	0916965-7	2	LOCKWASHER, 3/8
5	0251184-8	1	PLUG, cab heater feed boss
6	0251185-5	1	PLUG, thermometer boss
	0251186-3	1	WASHER, plug
7	0251191-3	1	STUD, water outlet to cylinder head
	0916965-7	1	LOCKWASHER, 3/8
	0916602-6	1	NUT, body stud
8	0923310-7	1	CAPSCREW, outlet body to head
	0916965-7	1	LOCKWASHER, 3/8
9	0923171-3	1	CAPSCREW, outlet body to head
	0917356-8	1	WASHER, spring
10	0923325-5	2	CAPSCREW, outlet body to head
	0917356-8	2	WASHER, spring
11	0254490-6	1	THERMOSTAT
12	0254491-4	1	GASKET, water outlet connection
13	0251205-1	1	CONNECTION, water outlet
14	0921986-6	3	CAPSCREW, outlet connection to body
	0916965-7	3	LOCKWASHER, 3/8



RADIATOR & TRANSMISSION COOLING GROUP  
PRIOR TRACTOR S/N 2576





816 & 816B TRACTORS  
COOLING SYSTEM

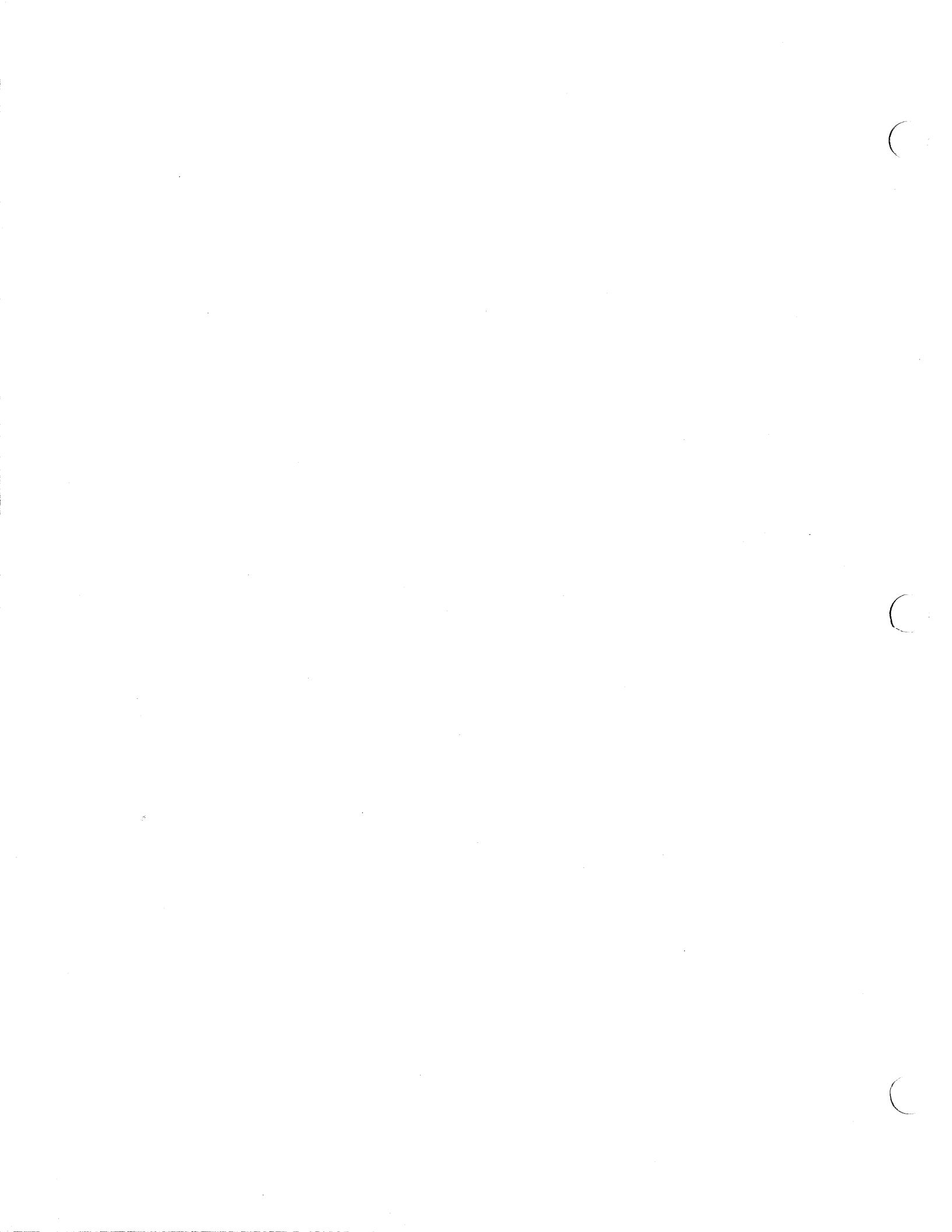
51

RADIATOR & TRANSMISSION COOLING GROUP  
PRIOR TRACTOR S/N 2576

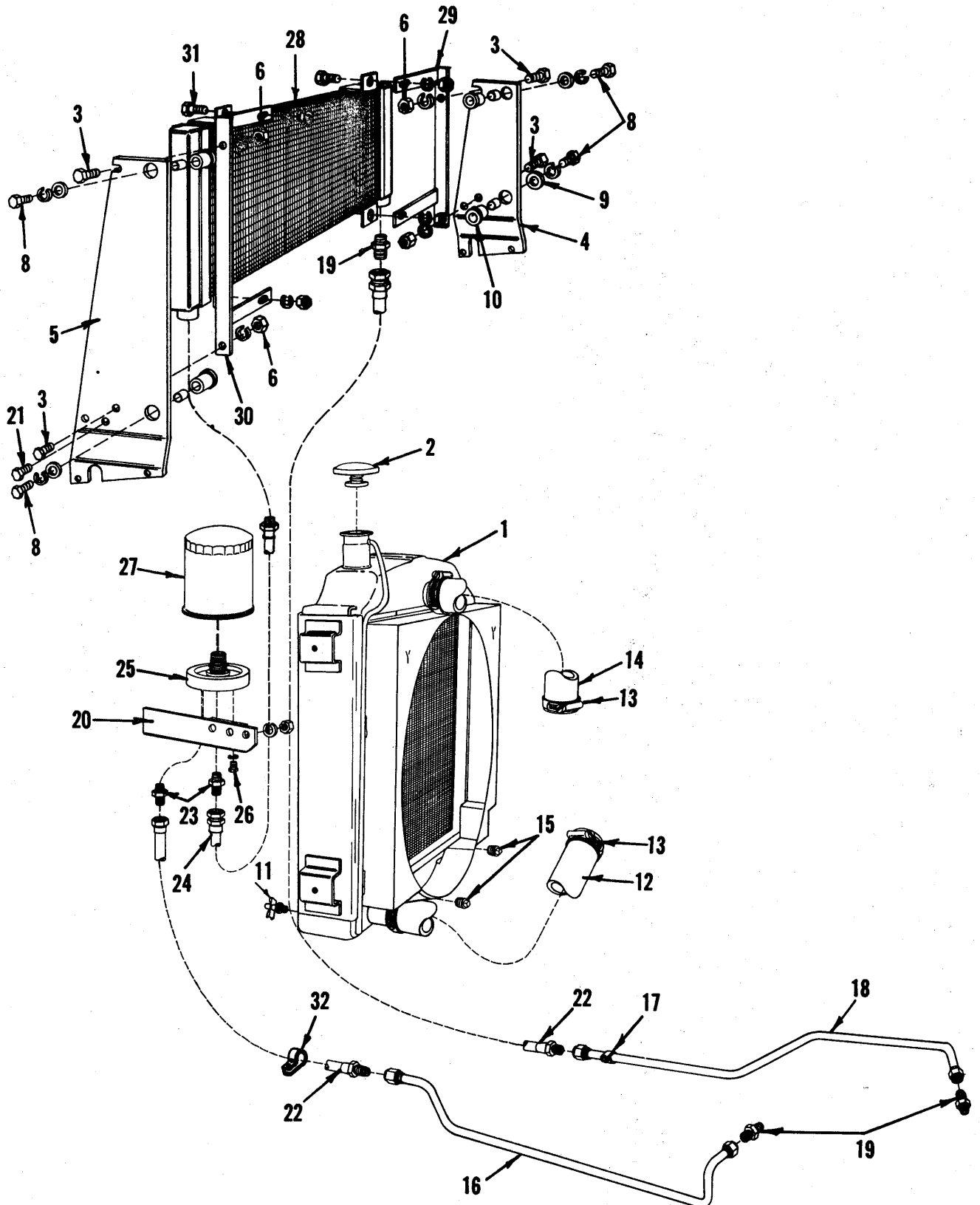
ITEM	NUMBER	QTY.	DESCRIPTION
1	1007218-9	1	RADIATOR ASY. (Incl. Item 2) (Use 1 ea. of 254891 & 1006016)
2	0254891-5	1	CAP, pressure
3	1006387-3	2	ROD, radiator support
4	1006446-7	1	PLATE, radiator support, R.H.
	0921965-0	2	CAPSCREW, 3/8NC x 3/4
	0916965-7	2	LOCKWASHER, 3/8
5	1006447-5	1	PLATE, radiator support, L.H.
	0921965-0	2	CAPSCREW, 3/8NC x 3/4
	0916965-7	2	LOCKWASHER, 3/8
6	0916951-7	8	NUT, 1/2NC
7	0916966-5	4	LOCKWASHER, 1/2
8	0921969-2	4	CAPSCREW, 3/8NC x 1-1/2
	0916803-0	4	LOCKWASHER
9	0924356-9	4	WASHER
10	0237818-0	4	GROMMET
	0245101-1	4	SPACER
11	0229210-0	1	COCK, drain
12	1006385-7	1	HOSE, radiator, lower
13	0921913-0	4	CLAMP, worm drive
14	1006384-0	1	HOSE, radiator, upper
15	1006386-5	2	*HOSE ASY., converter to cooler (One req'd for S/N 816-2460 & Up)
16	1006210-7	1	TUBE ASY., converter to cooler, L.H. (Prior S/N 816-2460)
	1007111-6	1	TUBE ASY., converter to cooler, L.H. (Eff. S/N 816-2460 & Up)
17	0927102-4	2	CLAMP
18	1006209-9	1	TUBE ASY., converter to cooler, R.H.
19	0919063-8	3	CONNECTOR
20	1007994-5	1	*SUPPORT
21	0921210-1	2	*CAPSCREW, 3/8NC x 1
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
22	1007113-2	1	*HOSE, filter to cooler
23	0919205-5	2	*CONNECTOR
24	1007114-0	1	*HOSE ASY., trans. to filter
25	4824293-7	1	*BASE, filter
26	0921515-3	2	*CAPSCREW
	0917356-8	2	LOCKWASHER, 5/16
27	4511629-0	1	*FILTER ASY.

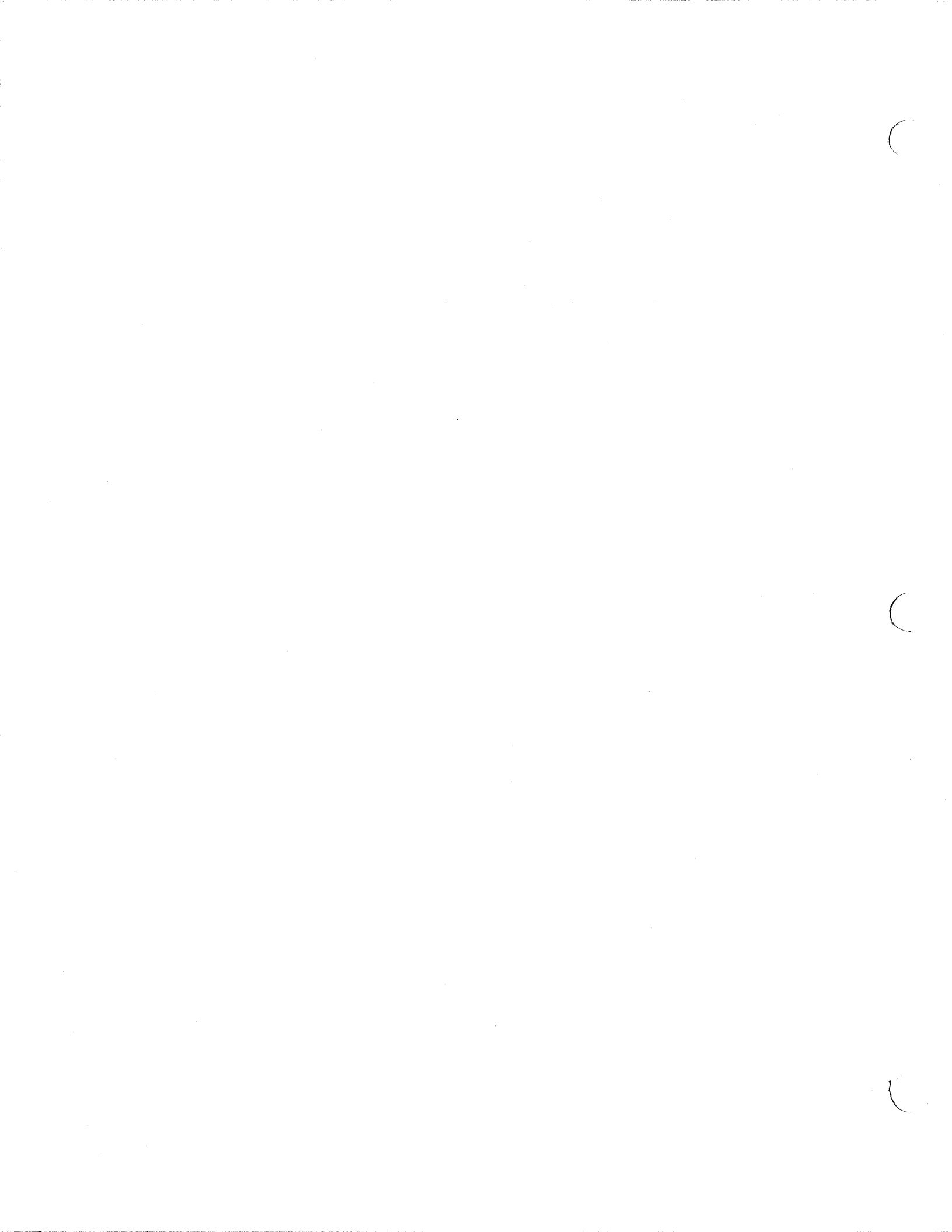
\*Use with S/N 816-2460 & Up





RADIATOR & TRANSMISSION COOLING GROUP  
EFF. TRACTOR S/N 2576 & UP



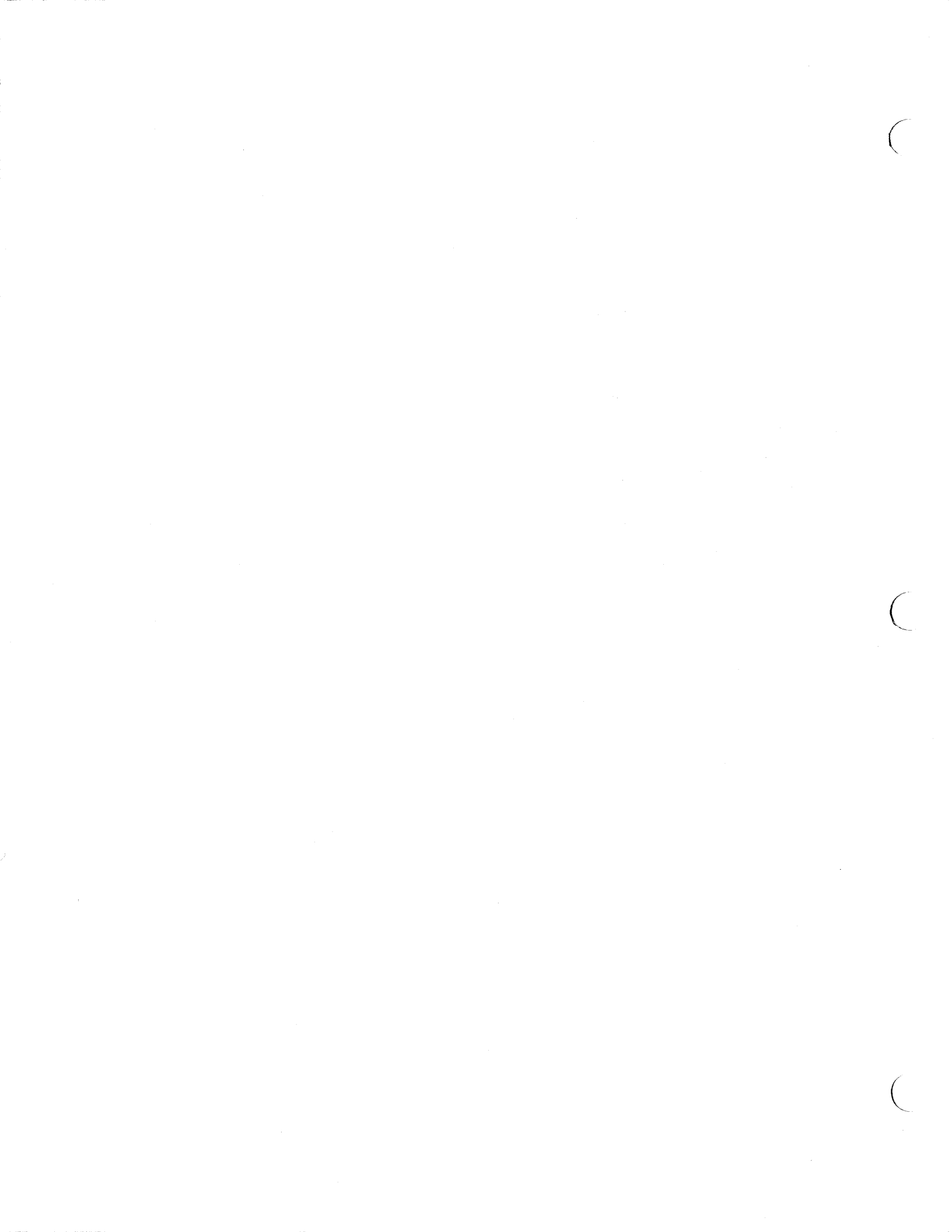


816 & 816B TRACTORS  
COOLING SYSTEM

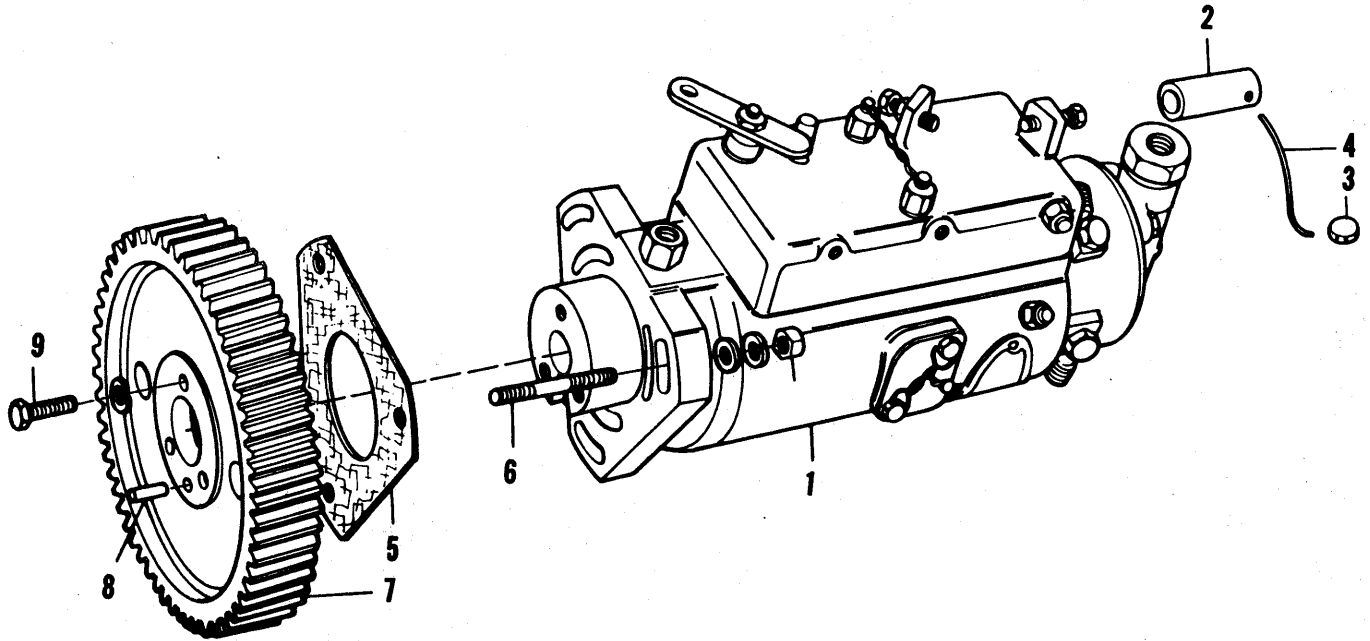
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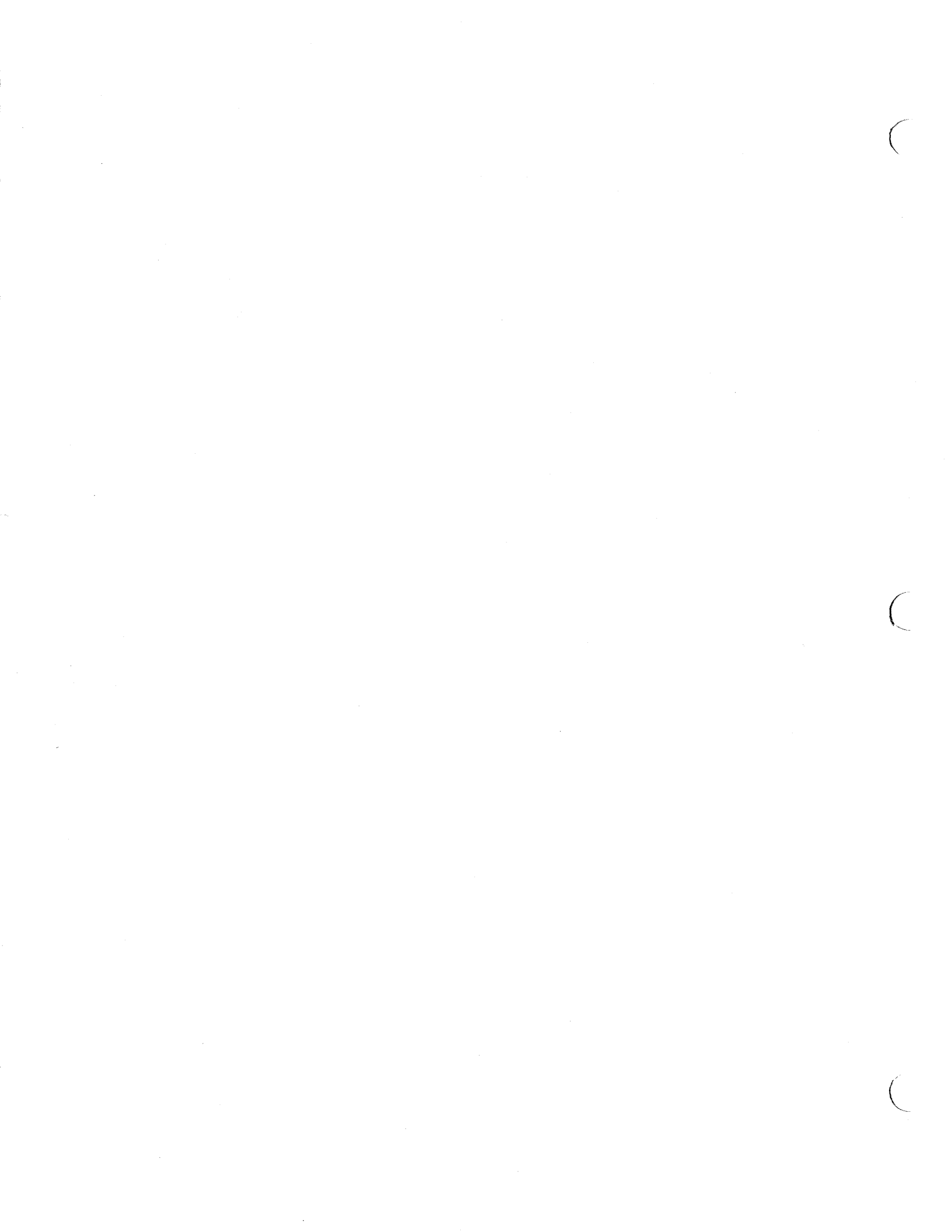
RADIATOR & TRANSMISSION COOLING GROUP  
EFF. TRACTOR S/N 2576 & UP

ITEM	NUMBER	QTY.	DESCRIPTION
1	1007218-9	1	RADIATOR ASY. (Incl. Item 2) (Use 1 ea. of 254891 & 1006016)
2	0254891-5	1	CAP, pressure
3	0921176-4	4	CAPSCREW
	0917379-0	8	LOCKWASHER
4	1006446-7	1	PLATE, radiator support, R.H.
	0921965-0	2	CAPSCREW, 3/8NC x 3/4
	0916965-7	2	LOCKWASHER, 3/8
5	1006447-5	1	PLATE, radiator support, L.H.
	0921965-0	2	CAPSCREW, 3/8NC x 3/4
	0916965-7	2	LOCKWASHER, 3/8
6	0916951-7	4	NUT, 1/2NC
7	0916966-5	4	LOCKWASHER, 1/2
8	0921969-2	4	CAPSCREW, 3/8NC x 1-1/2
	0916803-0	4	LOCKWASHER
9	0924356-9	4	WASHER
10	0237818-0	4	GROMMET
	0245101-1	4	SPACER
11	0229210-0	1	COCK, drain
12	1006385-7	1	HOSE, radiator, lower
13	0921913-0	4	CLAMP, worm drive
14	1006384-0	1	HOSE, radiator, upper
15	0901653-6	2	PLUG, pipe
16	1007111-6	1	TUBE ASY., converter to cooler, L.H.
17	0927177-6	1	CLAMP
18	1006209-9	2	TUBE ASY., converter to cooler, R.H.
19	0919063-8	3	CONNECTOR
20	1007994-5	1	SUPPORT
21	0921210-1	2	CAPSCREW, 3/8NC x 1
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
22	1007114-0	2	HOSE ASY.
23	0919205-5	2	CONNECTOR
24	1007970-5	1	HOSE, trans. to filter
25	4824293-7	1	BASE, filter
26	0921515-3	2	CAPSCREW
	0917356-8	2	LOCKWASHER, 5/16
27	4511629-0	1	FILTER ASY.
28	1007977-0	1	COOLER, oil
29	1007990-3	1	SUPPORT ASY., R.H.
30	1007991-1	1	SUPPORT ASY., L.H.
31	0921333-1	4	CAPSCREW, 5/16NC x 1
	0918265-0	4	WASHER
	0917356-8	4	LOCKWASHER, 5/16
	0917372-5	4	NUT, 5/16NC
32	1008585-0	1	CLAMP



FUEL INJECTION SYSTEM  
FUEL INJECTION PUMP & DRIVE





816 & 816B TRACTORS  
FUEL SYSTEM

55

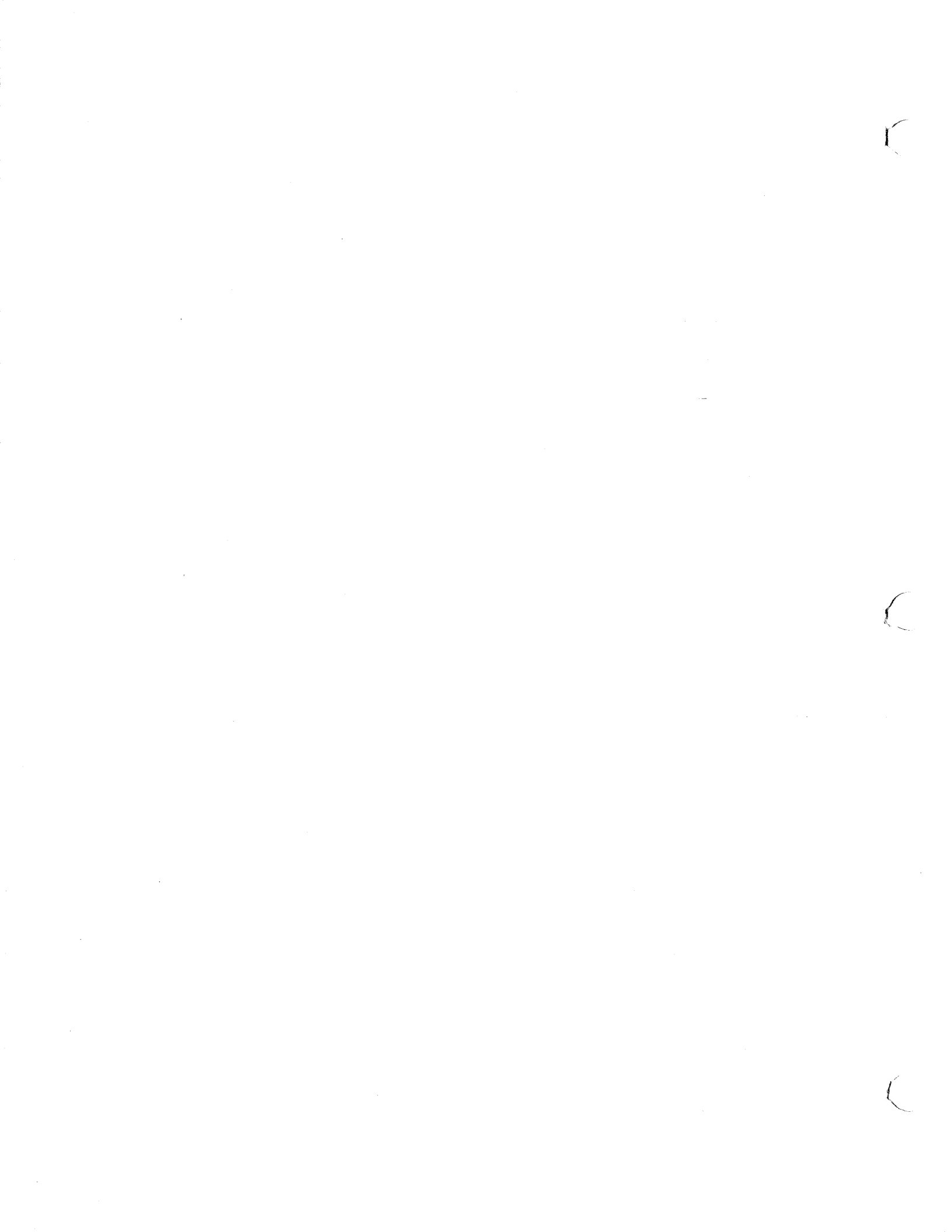
FUEL INJECTION SYSTEM  
FUEL INJECTION PUMP & DRIVE

ITEM	NUMBER	QTY.	DESCRIPTION
1	1005099-5	1	*PUMP ASY., fuel Injection (Refer to PUMP ASY.) (Prior Tr. S/N 2576)
	1007686-7	1	**PUMP ASY., fuel Injection (Refer to PUMP ASY.) (Eff. Tr. S/N 2576 & Up)
2	0251271-3	1	SLEEVE, lever adjust screw
3	0251272-1	1	SEAL, screw sleeve
4	0251273-9	1	WIRE, seal
5	0251269-7	1	GASKET, pump to gear housing
6	0251088-1	3	STUD, pump to gear
	0917356-8	3	LOCKWASHER, 5/16
	0920263-1	3	NUT, retaining
	0251089-9	3	WASHER, plain
7	1017185-8	1	GEAR ASY., driving (Prior Tr. S/N 2576)
	1007949-9	1	GEAR, driving (Eff. Tr. S/N 2576 & Up)
8	0251276-2	1	DOWEL, gear locating
9	1007950-7	3	CAPSCREW, gear to pump
	0917356-8	3	LOCKWASHER, 5/16
	1010439-6	3	NUT, 5/16
-	0251328-1	1	BRACKET, throttle spring

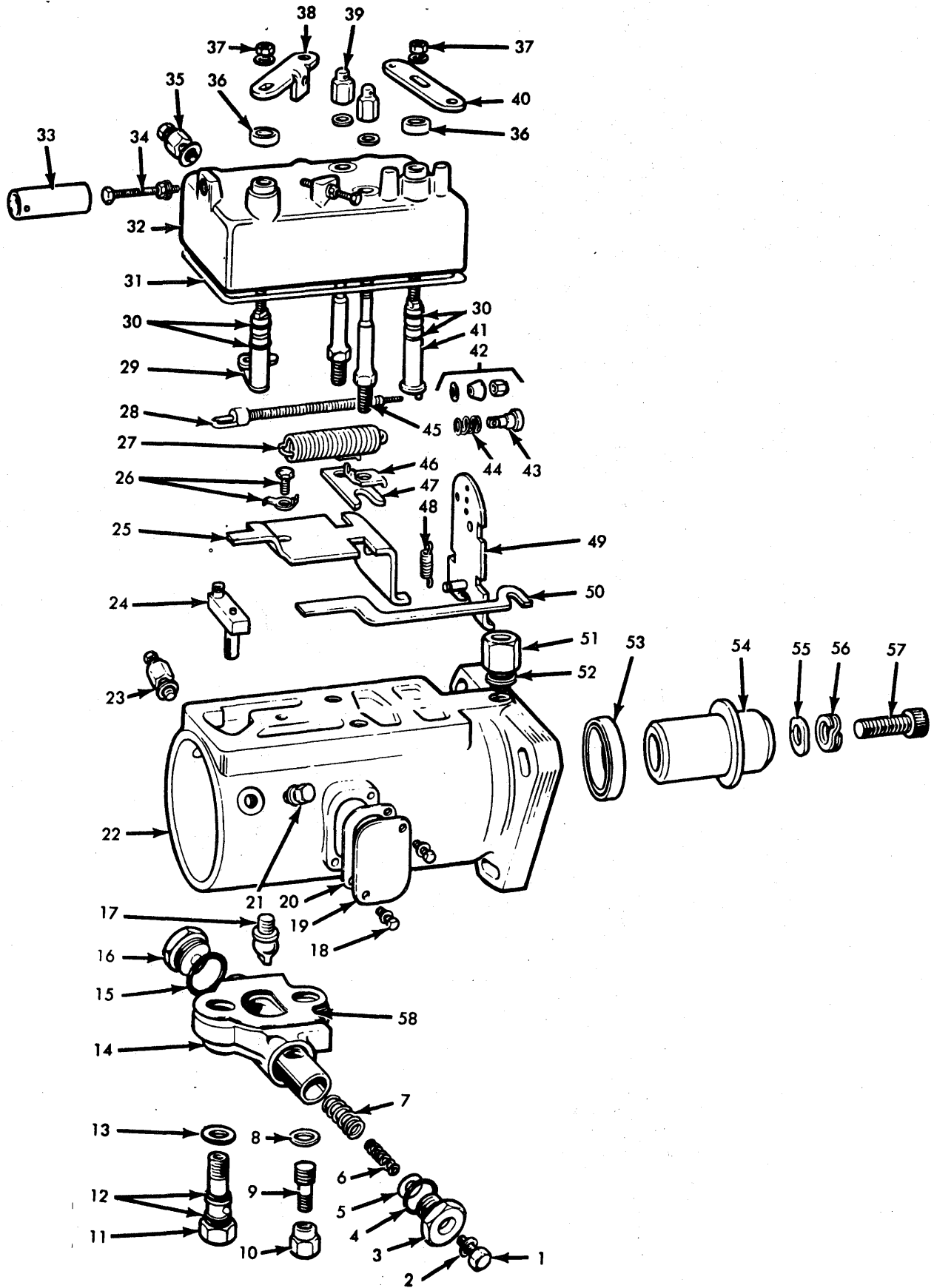
\*Use KIT 1014348 for Governor Arm 251955 & Control Bracket 251959

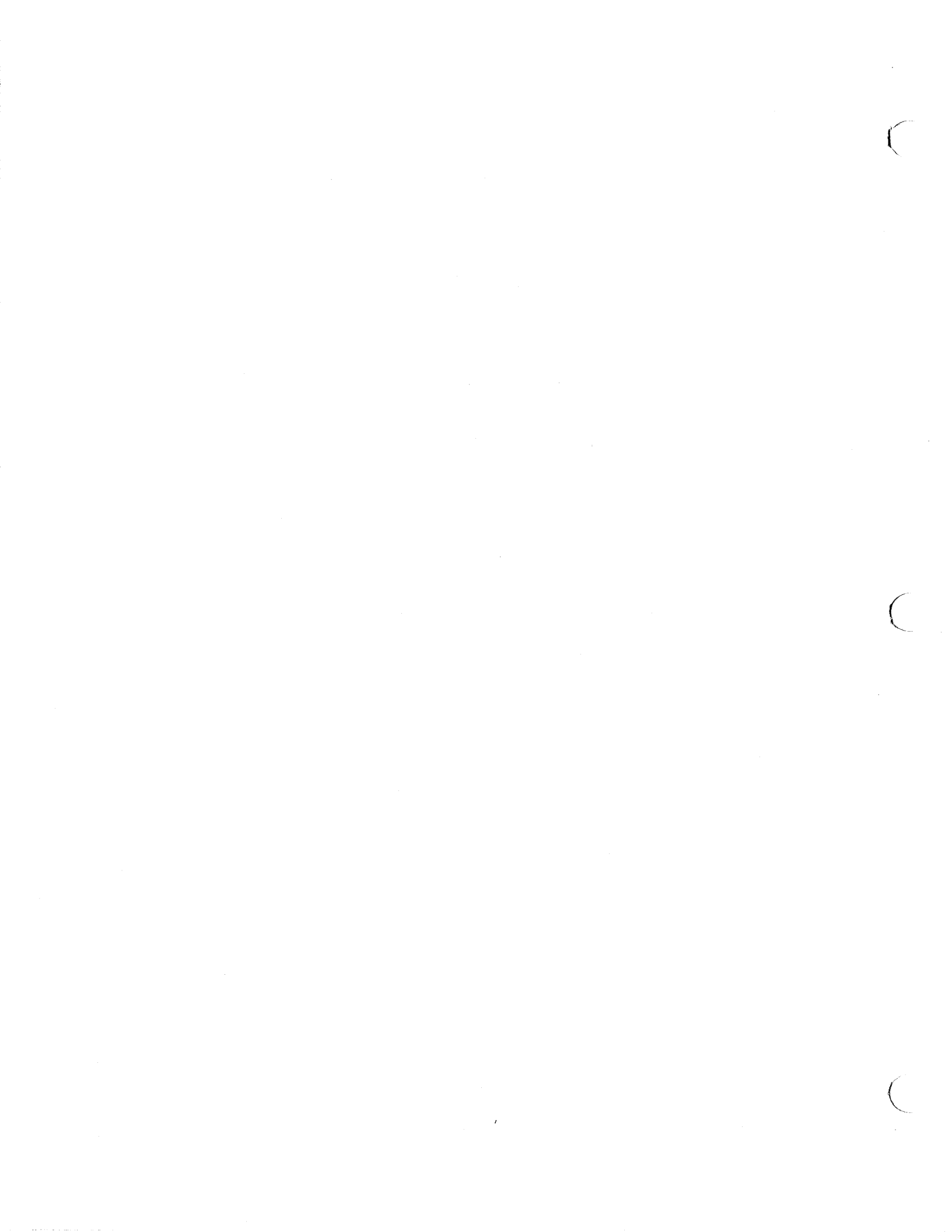
\*\*Use KIT 2080560 for Governor Arm 1008047 & Control Bracket 251959





FUEL INJECTION SYSTEM  
HOUSING & DRIVE





816 & 816B TRACTORS  
FUEL SYSTEM

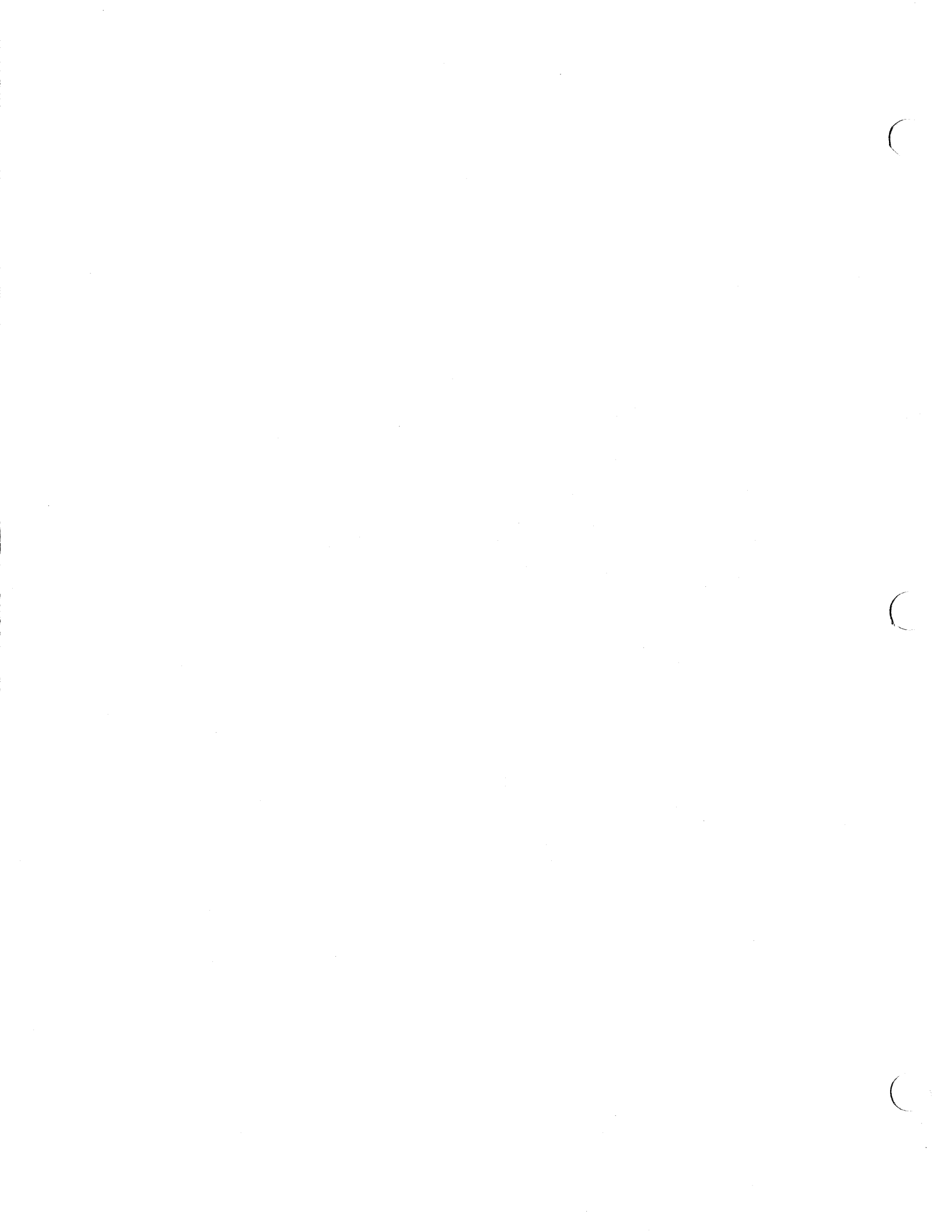
57

FUEL INJECTION SYSTEM  
HOUSING & DRIVE

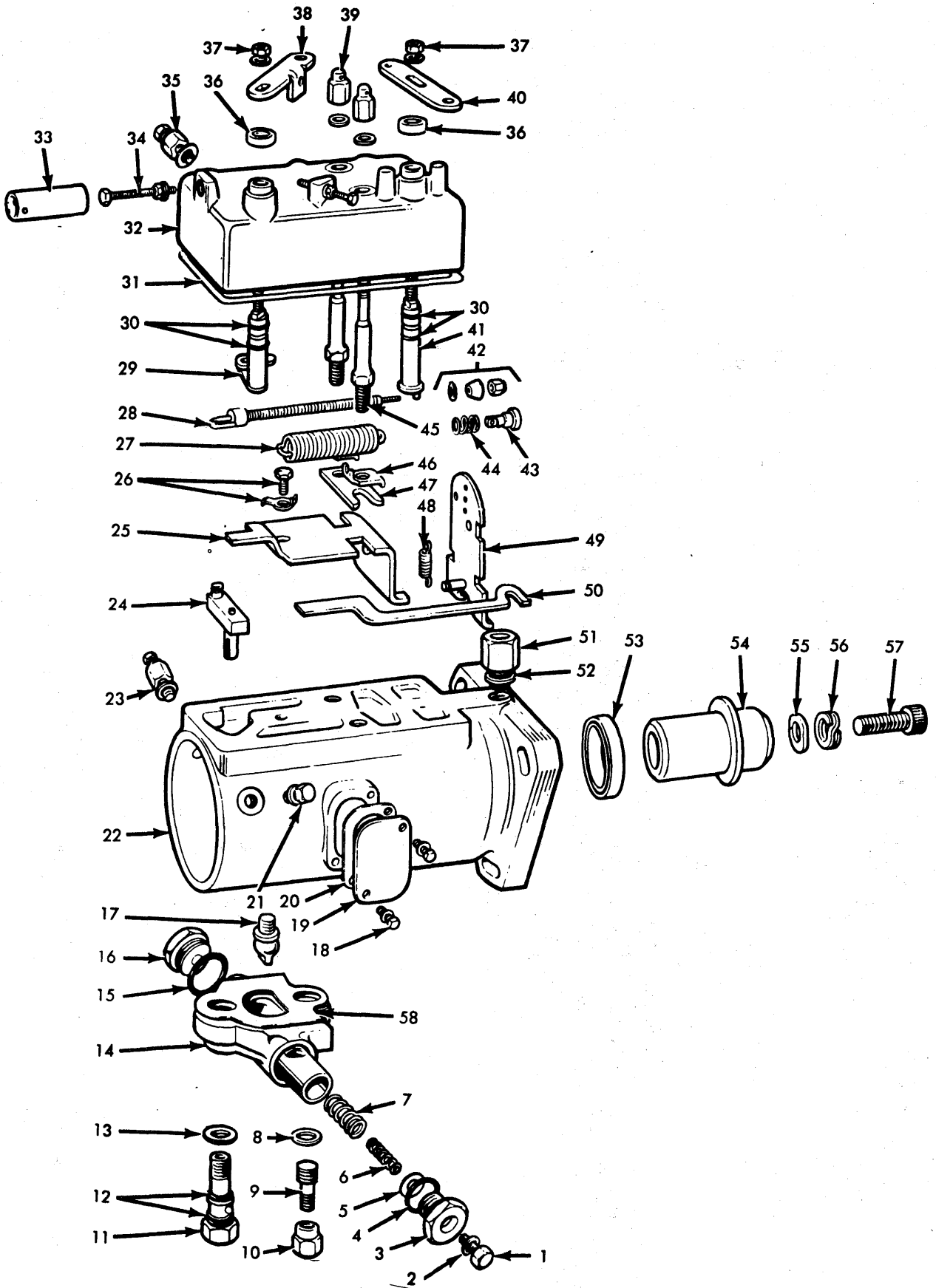
ITEM	NUMBER	QTY.	DESCRIPTION
1	0252005-4	1	SCREW (For cap) (Prior Tractor S/N 2576)
	2080517-2	1	SCREW (For cap) (Eff. Tractor S/N 2576 & Up)
2	0252006-2	1	WASHER, capscrew
3	0252003-9	1	CAP, piston spring
4	0252002-1	1	SEAL, spring cap
5	0252007-0	—	WASHER, shim (0.2MM) (Use as req'd)
	0252008-8	—	WASHER, shim (0.5MM) (Use as req'd)
	1005169-6	—	WASHER, shim (1.0MM) (Use as req'd)
	0252010-4	—	WASHER, shim (2.0MM) (Use as req'd)
6	1005168-8	1	SPRING, piston, inner
7	1005167-0	1	SPRING, piston, outer
8	0251997-3	1	WASHER, cap nut
9	2080539-6	1	STUD, housing
10	0251996-5	1	NUT, cap
11	1005170-4	1	STUD, head locating
12	1005171-2	2	SEAL (For stud)
	1005174-6	2	BALL, steel
13	0252013-8	1	WASHER (For stud)
14	1005166-2	1	HOUSING & PISTON
15	0252002-1	1	SEAL (For plug)
16	0252001-3	1	PLUG, piston
17	0251998-1	1	SCREW, cam advance
18	0251951-0	2	SCREW, cover plate
	0251952-8	2	WASHER, shakeproof
19	0251949-4	1	PLATE, cover
20	0251950-2	1	GASKET, cover plate
21	0251924-7	1	SCREW, head locking
	0251925-4	1	WASHER
22	0251947-8	1	HOUSING, pump (Prior Tr. S/N 2576)
	1008046-3	1	HOUSING, pump (Eff. Tr. S/N 2576 & Up)
23	0251926-2	1	SCREW ASY., head vent (Incls. SCREWS & WASHER)
	0251927-0	1	SCREW, head vent
	0251928-8	1	SCREW, vent
	0251925-4	1	WASHER
24	0251973-4	1	VALVE, metering
	0251974-2	1	VALVE, metering (o/s)
25	0251959-3	1	*BRACKET, control
26	0251960-1	1	SCREW (For bracket)
	0251961-9	1	WASHER, tab
27	0252016-1	1	SPRING, governor (Prior Tr. S/N 2576)
	1008050-5	1	SPRING, governor (Eff. Tr. S/N 2576 & Up)
28	0251970-0	1	HOOK, linkage
	0251971-8	1	SPRING, linkage
	0251972-6	1	RETAINER, spring (Prior Tr. S/N 2576)
	1014343-6	1	RETAINER, spring (Eff. Tr. S/N 2576 & Up)
29	0251981-7	1	SHAFT, throttle (Incls. item 30)
30	0251977-5	4	SEAL

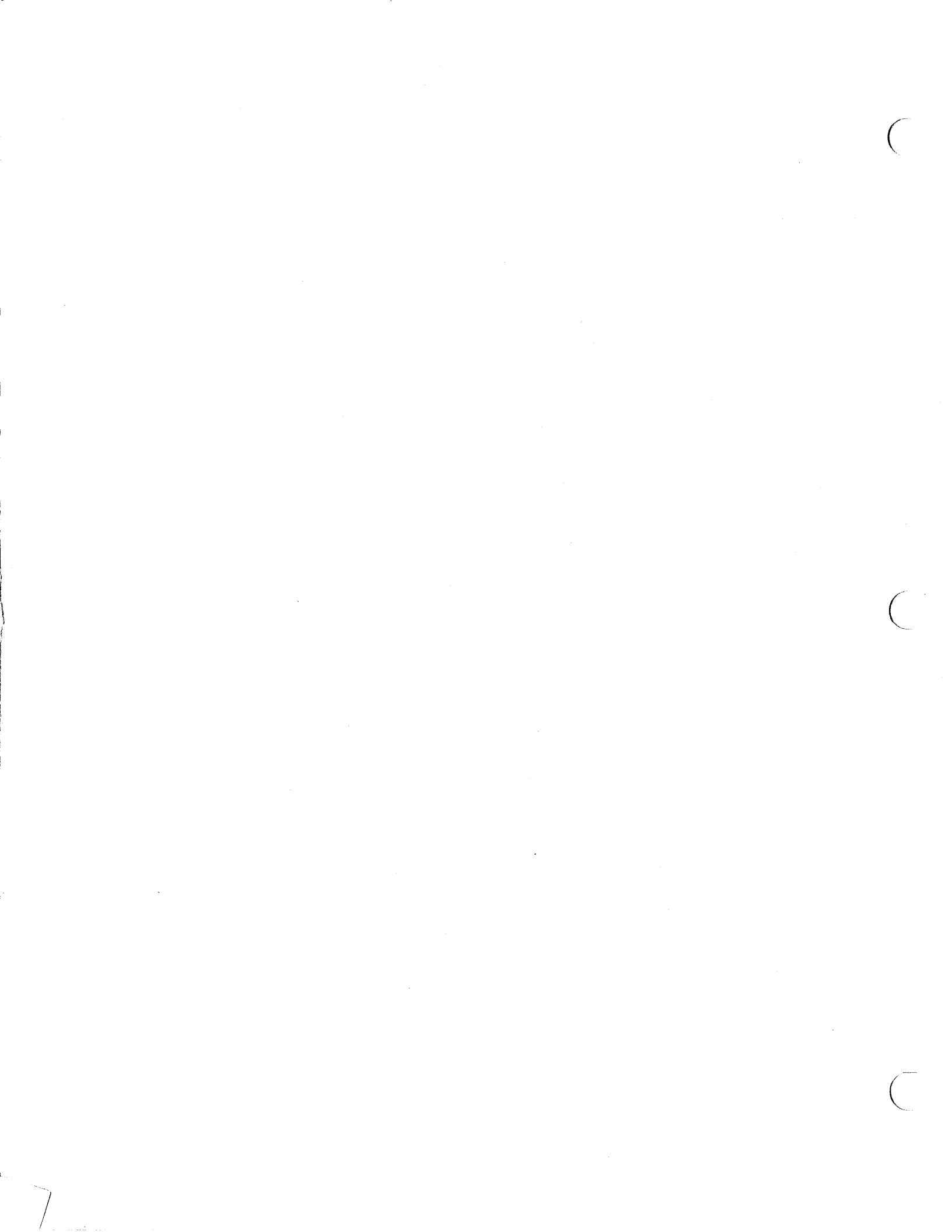
\*For PUMP ASY. 1005099 use KIT 1014348 (Prior Tr. S/N 2576)  
For PUMP ASY. 1007686 use KIT 2080560 (Eff. Tr. S/N 2576 & Up)

Continued



FUEL INJECTION SYSTEM  
HOUSING & DRIVE





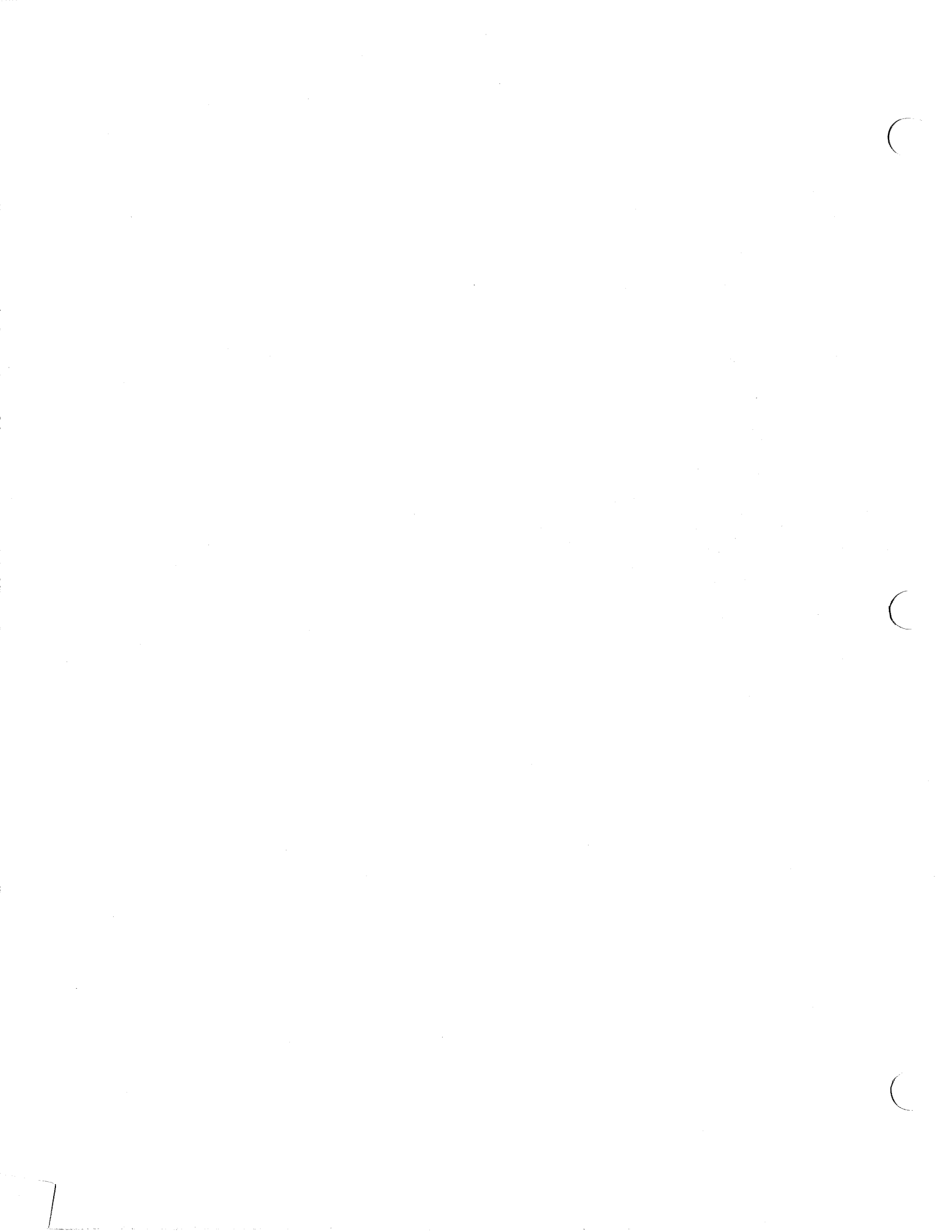
816 & 816B TRACTORS  
FUEL SYSTEM

59

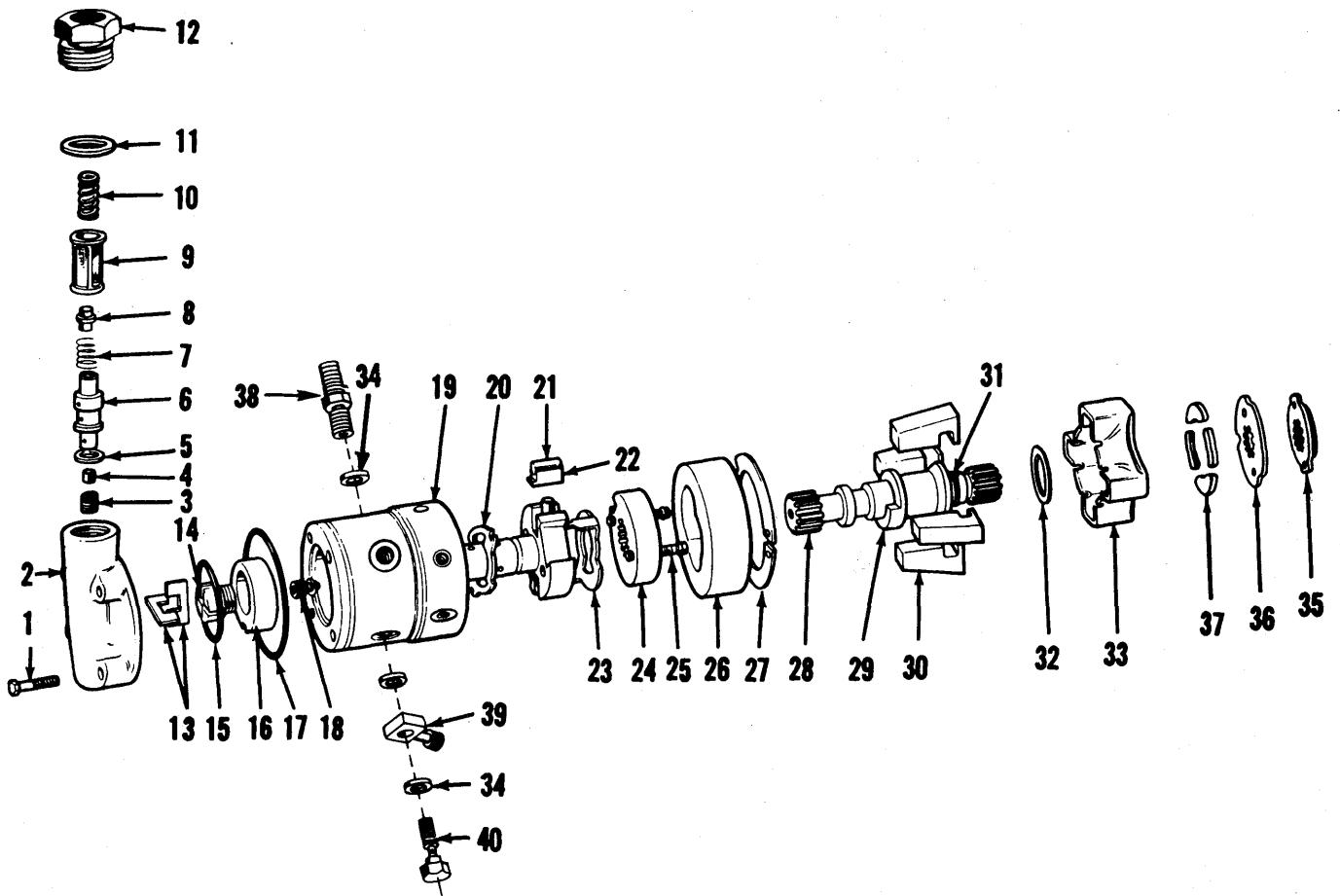
FUEL INJECTION SYSTEM  
HOUSING & DRIVE

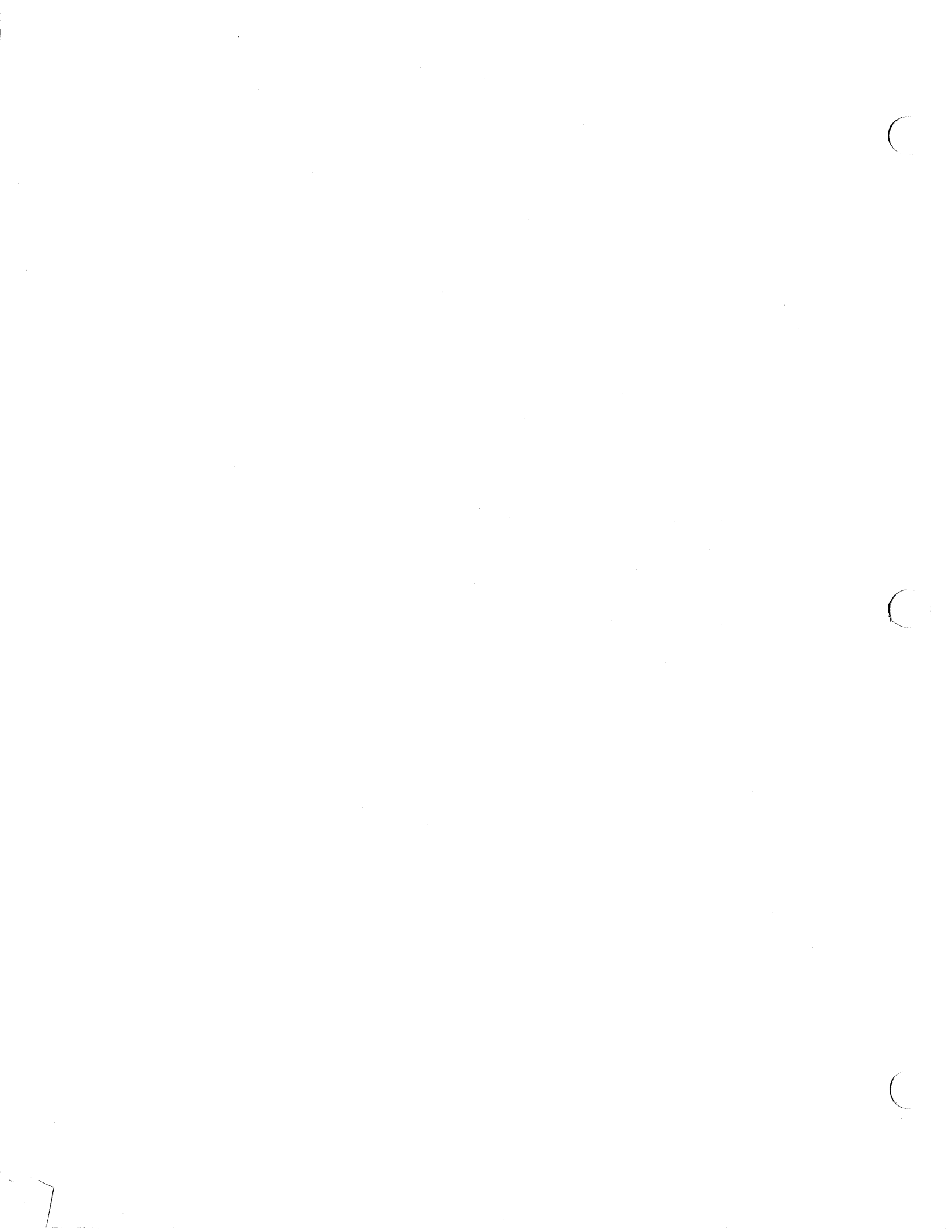
ITEM	NUMBER	QTY.	DESCRIPTION
31	0251948-6	1	GASKET, housing
32	0251985-8	1	COVER, control
33	0251989-0	1	SLEEVE, locking
34	0251986-6	2	SCREW, adjusting
	0251980-9	2	NUT, screw
	0251988-2	2	WASHER
35	0251990-8	1	SCREW WASHY., vent (Incls. SCREW & WASHER)
	1005165-4	1	SCREW, vent body
	0251928-8	1	SCREW, vent
	0251993-2	1	WASHER
36	0251979-1	2	CAP, dust
37	0251980-9	2	NUT
	0251952-8	2	WASHER
38	1008049-7	1	ARM, throttle
39	0251963-5	2	NUT, for stud
	0251964-3	2	WASHER
40	0251978-3	1	LEVER, shut-off
41	2080317-7	1	SHAFT, shut-off
42	0251965-0	1	NUT, linkage
	0251967-6	1	NUT, lock (Not shown)
	0272220-5	1	WASHER, pivot ball
	0251966-8	1	WASHER, (Not shown)
	0251969-2	1	WASHER, linkage
43	0251984-1	1	GUIDE, idling spring
44	0251983-3	1	SPRING, idling
45	0251962-7	2	STUD, control cover
46	0251958-5	2	WASHER, tab
47	0251957-7	1	PLATE, keeper
48	0251956-9	1	SPRING, governor arm
49	0251955-1	1	GOVERNOR ARM (Use KIT 1014348) (Prior Tr. S/N 2576)
	1008047-1	1	GOVERNOR ARM (Use KIT 2080560) (Eff. Tr. S/N 2576 & Up)
50	0251975-9	1	BAR, shut-off
51	0251953-6	1	CONNECTION, drain
52	0251923-9	1	WASHER
53	0251946-0	1	SEAL, hub drive
54	1005160-5	1	HUB, drive
55	0251944-5	1	WASHER, support
56	0251943-7	1	WASHER, spring
57	0251942-9	1	SCREW, drive shaft
58	0251994-0	1	GASKET, housing
-	1005173-8	-	GASKET KIT





FUEL INJECTION SYSTEM  
HEAD & ROTOR



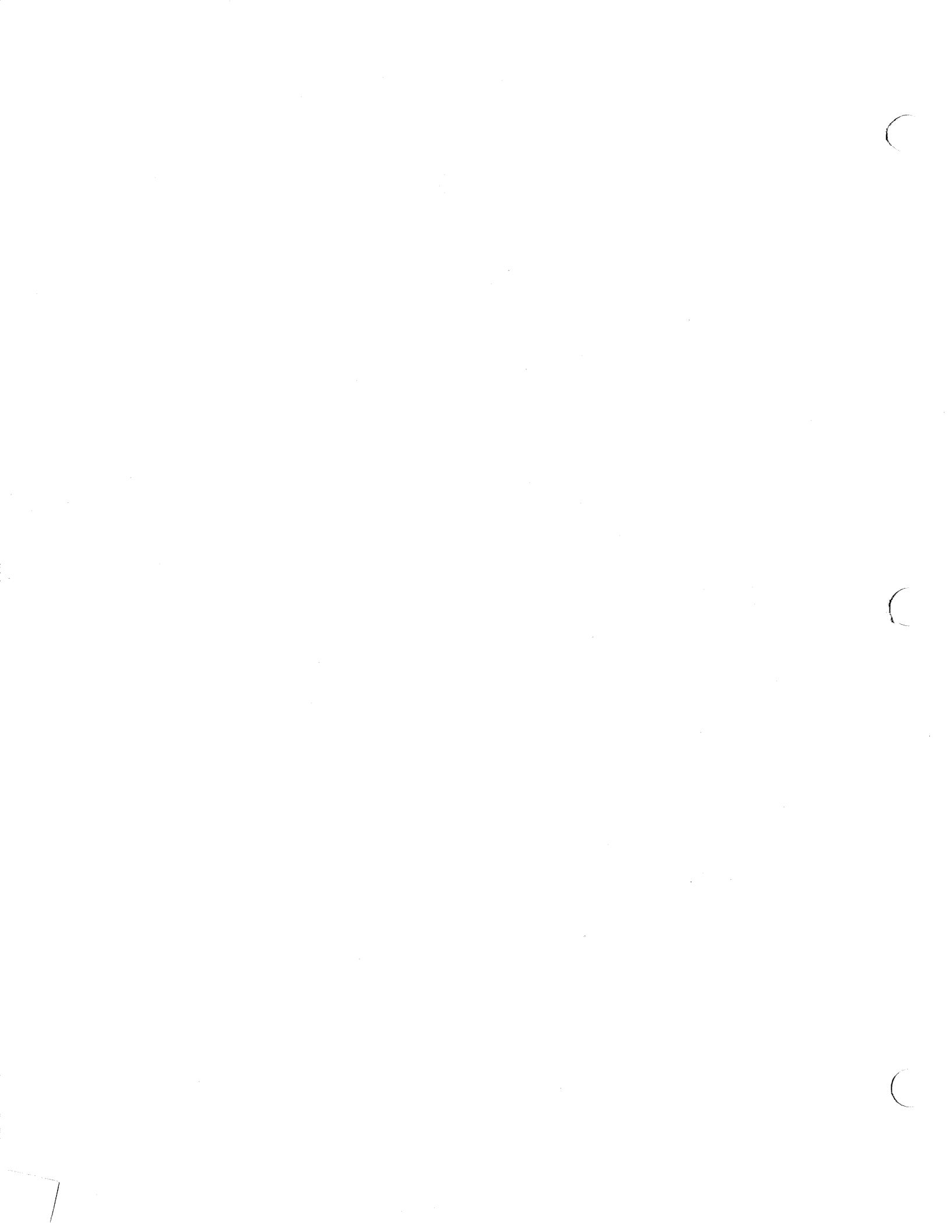


816 & 816B TRACTORS  
FUEL SYSTEM

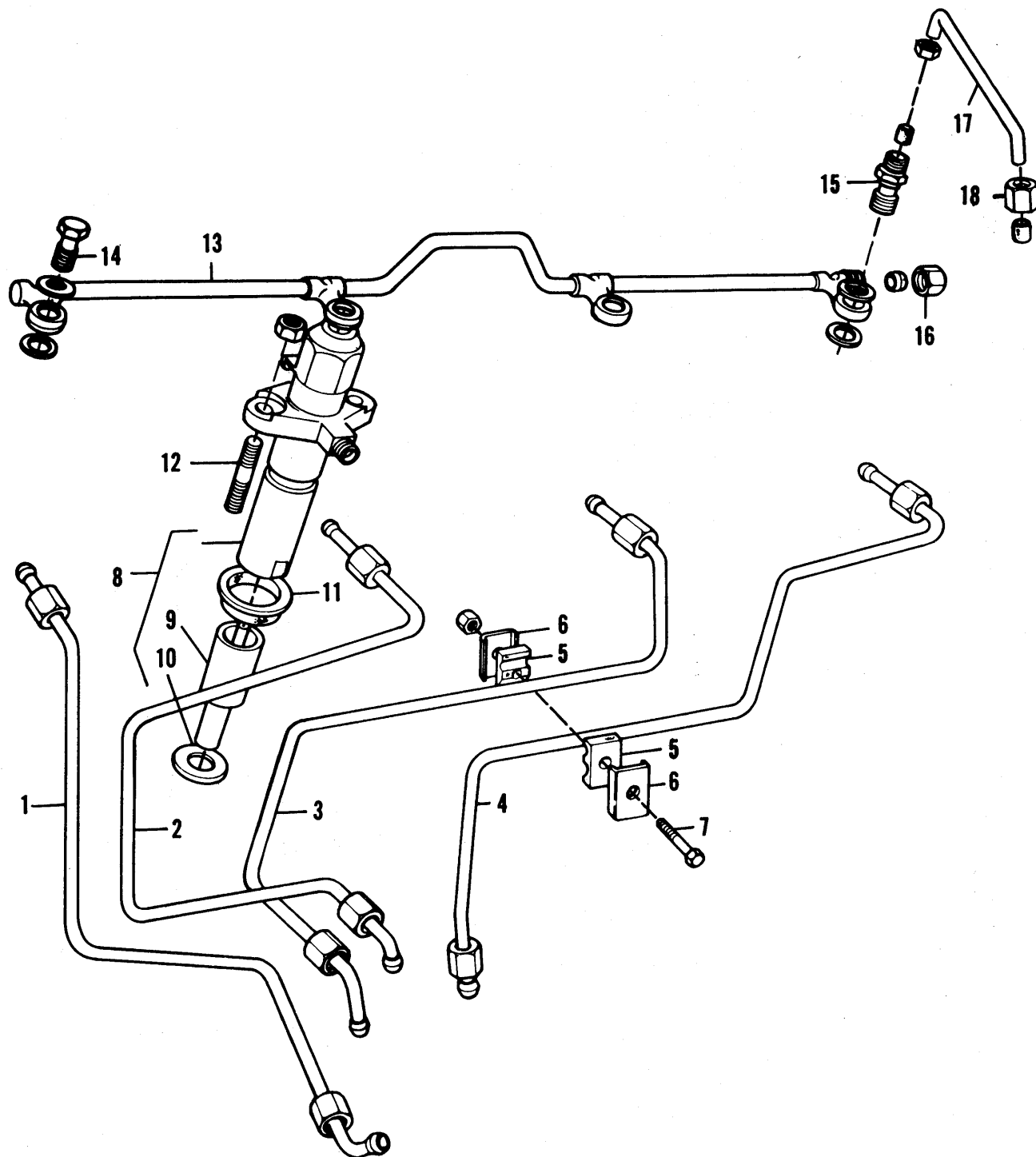
61

FUEL INJECTION SYSTEM  
HEAD & ROTOR

ITEM	NUMBER	QTY.	DESCRIPTION
1	0251902-3	4	SCREW, end plate (Prior Tractor S/N 2576)
	1008000-0	4	SCREW, end plate (Eff. Tractor S/N 2576 & Up)
2	1005145-6	1	PLATE, end
3	0251903-1	1	SPRING, piston
4	0251904-9	1	PISTON, regulating
5	0251906-4	1	WASHER, sleeve
6	1019746-5	1	SLEEVE, regulating
7	2080304-5	1	SPRING, regulating
8	1005148-0	1	PLUG, regulating
9	0251907-2	1	FILTER
10	0251909-8	1	SPRING, retaining, sleeve
11	0251911-4	1	WASHER, inlet
12	0251910-6	1	CONNECTION, inlet
13	0251913-0	2	BLADE, transfer pump
14	0251912-2	1	ROTOR, transfer pump
15	0251915-5	1	SEAL, transfer pump
16	0251914-8	1	LINER, transfer pump
17	0251919-7	1	SEAL, distributor head
18	0251917-1	1	SCREW, plugging
	0251918-9	1	WASHER
19	1005150-6	1	HEAD & ROTOR ASY.
20	0251929-6	1	PLATE, adjusting, bottom
21	0271714-8	2	ROLLER
22	0251930-4	2	SHOE, roller
23	0251932-0	1	PLATE, adjusting, top
24	0251933-8	1	PLATE, drive
25	0251934-6	2	SCREW, drive
26	0252015-3	1	CAM, ring
27	0251935-3	1	CIRCLIP
28	1005158-9	1	SHAFT, drive (Prior Tr. S/N 2576)
	1008045-5	1	SHAFT, drive (Eff. Tr. S/N 2576 & Up)
29	1005154-8	1	SLEEVE, thrust (Prior Tr. S/N 2576)
	1008043-0	1	SLEEVE, thrust (Eff. Tr. S/N 2576 & Up)
30	0251936-1	3	WEIGHT, governor
31	1005159-7	1	SEAL, drive shaft
32	0251939-5	1	WASHER, thrust (Prior Tr. S/N 2576)
	2080471-2	1	WASHER, thrust (Eff. Tr. S/N 2576 & Up)
33	1005153-0	1	RETAINER, weights
34	0251923-9	8	WASHER, connection
35	1005155-5	1	HUB, splined
36	1005156-3	1	PLATE, back
37	1005157-1	1	INSERT, rubber
38	0251922-1	1	CONNECTION
39	0251920-5	3	BANJO, screwed, short
40	1005151-4	3	VALVE, pressurizing



FUEL INJECTION SYSTEM  
NOZZLE HOLDER & INJECTION LINES  
PRIOR TRACTOR S/N 2656





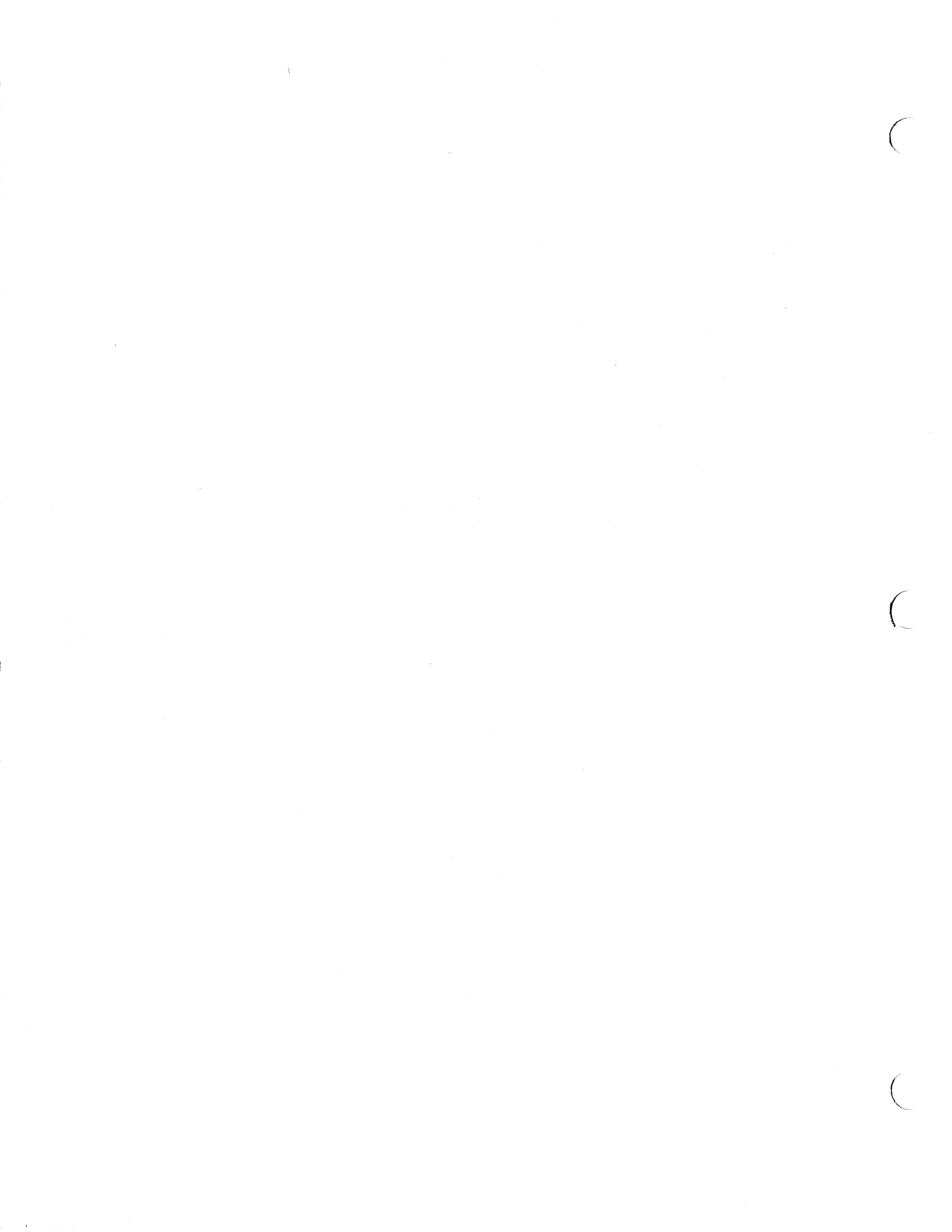
816 & 816B TRACTORS  
FUEL SYSTEM

63

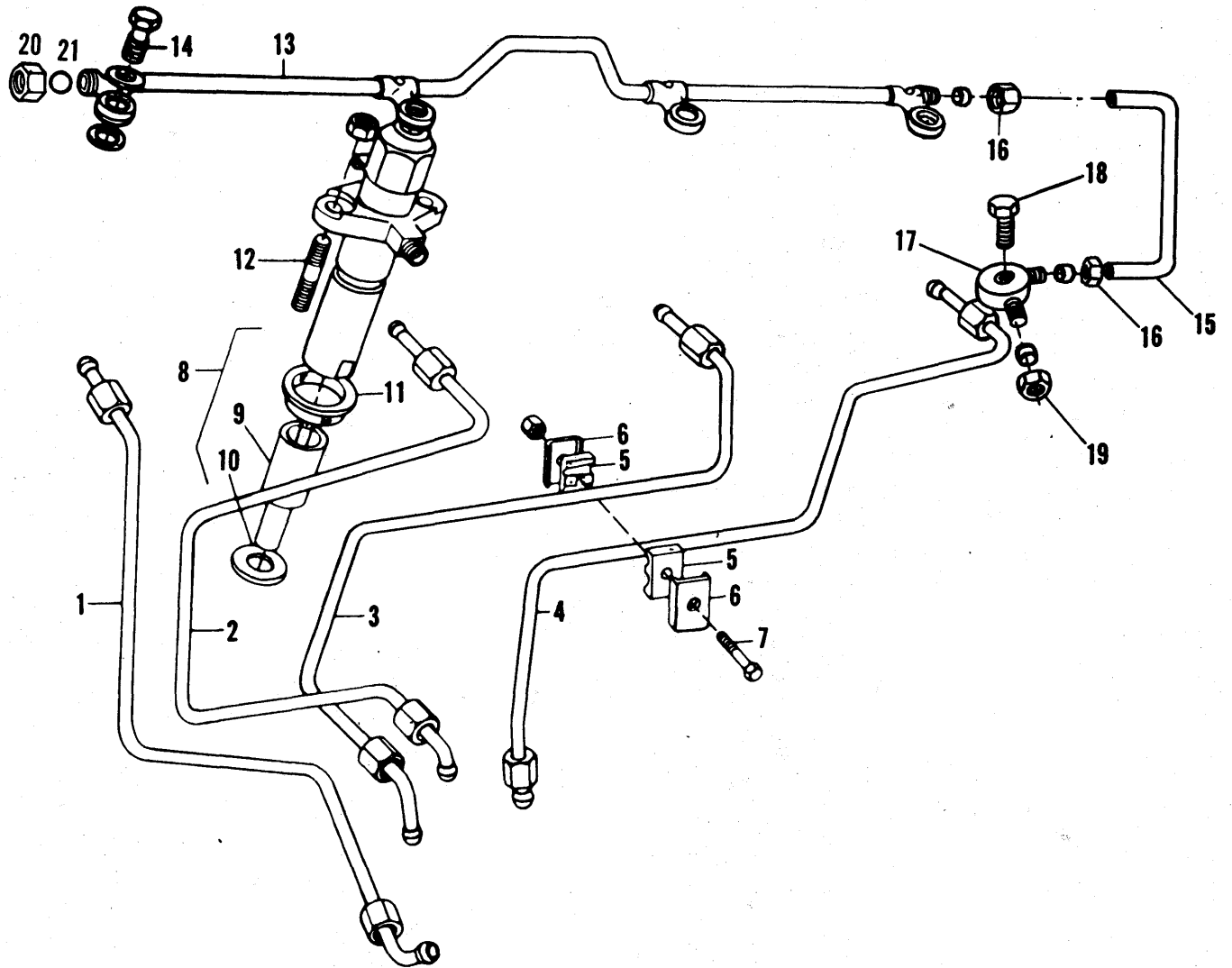
FUEL INJECTION SYSTEM  
NOZZLE HOLDER & INJECTION LINES  
PRIOR TRACTOR S/N 2656

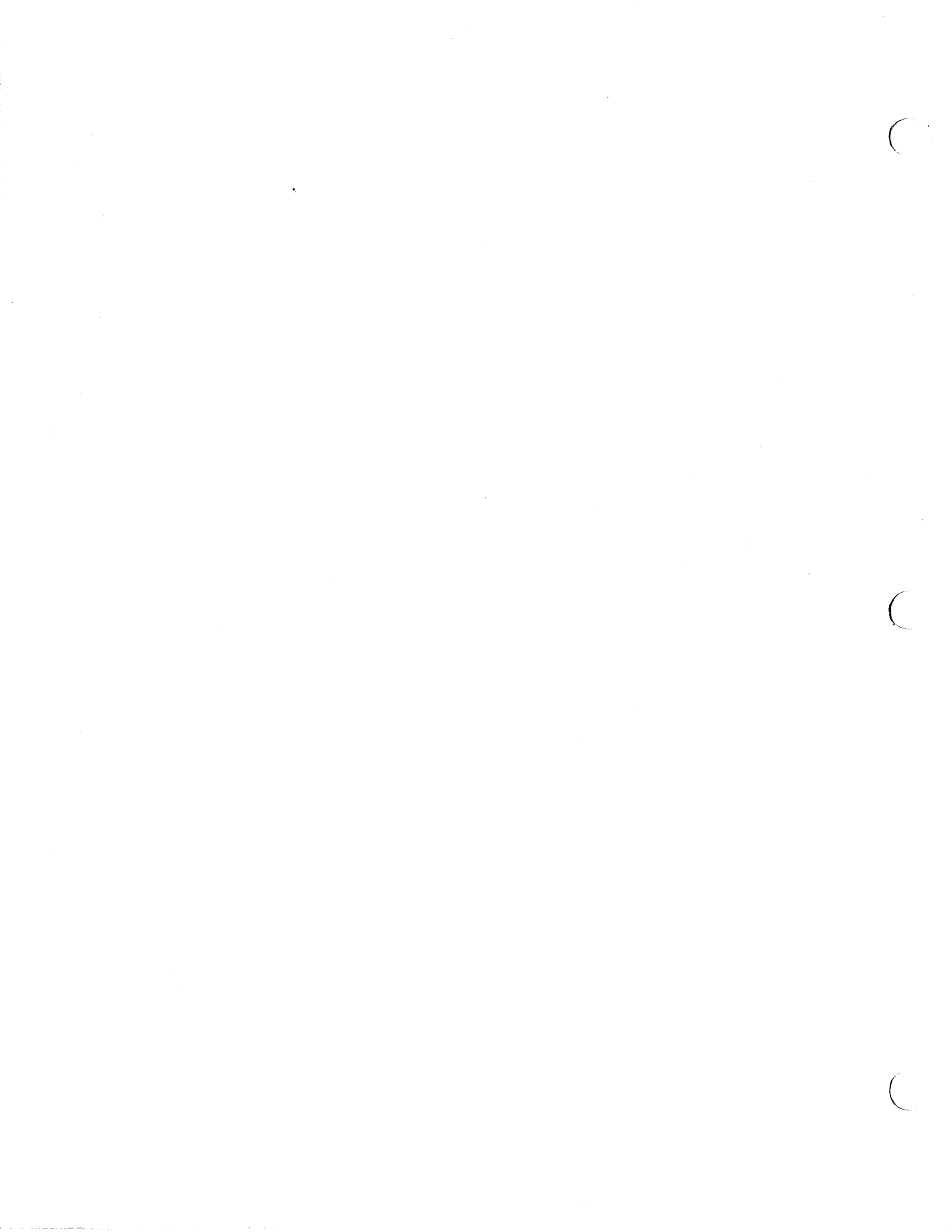
ITEM	NUMBER	QTY.	DESCRIPTION
1	0251295-2	1	PIPE, fuel injection, No. 1 cyl.
2	0251298-6	1	PIPE, fuel injection, No. 2 cyl.
3	0251299-4	1	PIPE, fuel injection, No. 3 cyl.
4	0251300-0	1	PIPE, fuel injection, No. 4 cyl. (Prior Tr. S/N 2576)
	1007687-5	1	PIPE, fuel injection, No. 4 cyl. (Eff. Tr. S/N 2576 & Up)
5	0251301-8	4	DAMPER, pipe vibration
6	0251302-6	4	PLATE, damper retaining
7	0926309-6	2	BOLT, damper
	0910251-8	2	NUT, retaining
8	1005100-1	4	HOLDER ASY., injection nozzle (Incls. Items 9, 10 & 11 & WASHER)
	0252028-6	4	WASHER, copper
9	1005101-9	4	NOZZLE, injector
10	0251284-6	4	WASHER, injector seating
11	0251285-3	4	SHIELD, injection dust
12	0251203-6	8	STUD, injector to head
	0910233-6	8	NUT, retaining
13	0251286-1	1	PIPE, injection leak-off
14	0251292-9	3	BOLT, leak-off pipe banjo
	0251294-5	6	WASHER, banjo bolt
15	0251293-7	1	BOLT, leak-off pipe, No. 4 injector
	0251294-5	2	WASHER, banjo bolt
16	0912064-3	1	NUT, return pipe
	0912367-0	1	SLEEVE, pipe nut
17	1005104-3	1	PIPE, leak-off to secondary filter (Prior Tr. S/N 2576)
	1007683-4	1	PIPE, leak-off to secondary filter (Eff. Tr. 2576 & Up)
18	0251326-5	2	NUT, leak-off pipe
	0251327-3	2	SLEEVE, pipe nut





FUEL INJECTION SYSTEM  
NOZZLE HOLDER & INJECTION LINES  
EFF. TRACTOR S/N 2656 & UP



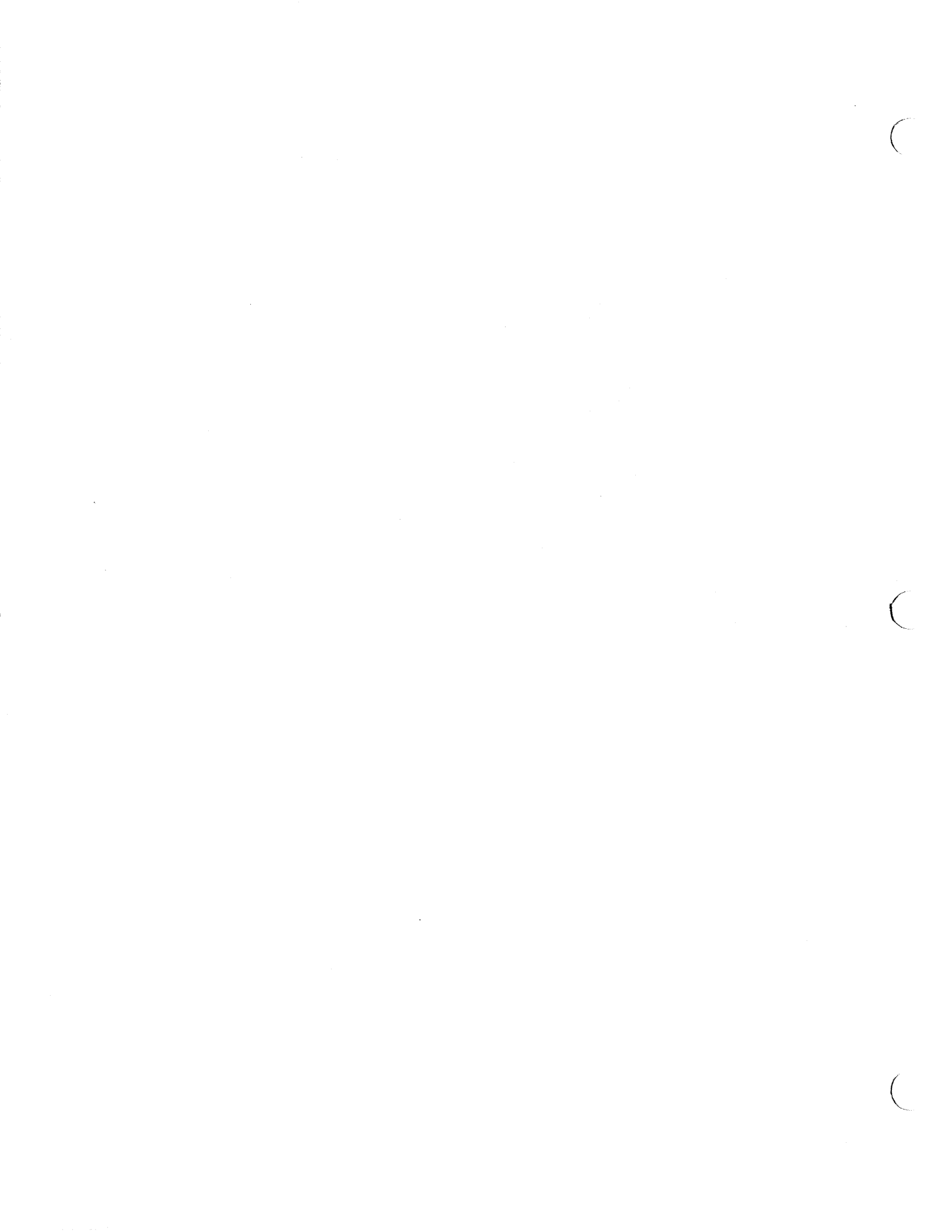


816 & 816B TRACTORS  
FUEL SYSTEM

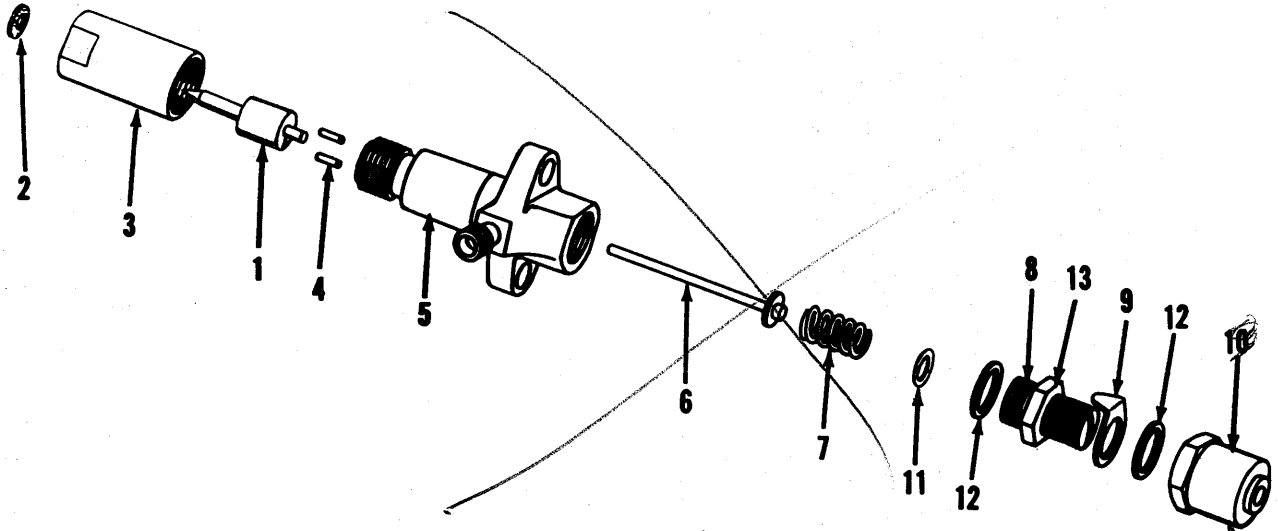
65

FUEL INJECTION SYSTEM  
NOZZLE HOLDER & INJECTION LINES  
EFF. TRACTOR S/N 2656 & UP

ITEM	NUMBER	QTY.	DESCRIPTION
1	0251295-2	1	PIPE, fuel injection, No. 1 cyl.
2	0251298-6	1	PIPE, fuel injection, No. 2 cyl.
3	0251299-4	1	PIPE, fuel injection, No. 3 cyl.
4	1007687-5	1	PIPE, fuel injection, No. 4 cyl.
5	0251301-8	4	DAMPER, pipe vibration
6	0251302-6	4	PLATE, damper retaining
7	0926309-6	2	BOLT, damper
	0910251-8	2	NUT, retaining
8	1005100-1	4	HOLDER ASY., injection nozzle (Incl. Items 9 & 10) (Refer to NOZZLE HOLDER ASY.)
9	1005101-9	4	NOZZLE, injector
10	0251284-6	4	WASHER, injector setting
11	0251285-3	4	SHIELD, dust, injector
12	0251203-6	8	STUD, injector to head
	0910233-6	8	NUT, retaining
13	0257263-4	1	PIPE, injection leak-off
14	0251292-9	4	BOLT, banjo, leak-off pipe
	0251294-5	8	WASHER, banjo bolt
15	1010421-4	1	PIPE, leak-off to secondary filter
16	0251326-5	2	NUT, leak-off pipe
	0251327-3	2	SLEEVE, pipe nut
17	1010422-2	1	CONNECTOR, banjo
18	1010465-1	1	BOLT, banjo connection
	0251317-4	2	WASHER, adapter
19	8009439-4	1	NUT, return pipe
	0910857-2	1	SLEEVE, pipe
20	0912064-3	1	NUT
21	0257265-9	1	BALL, nut

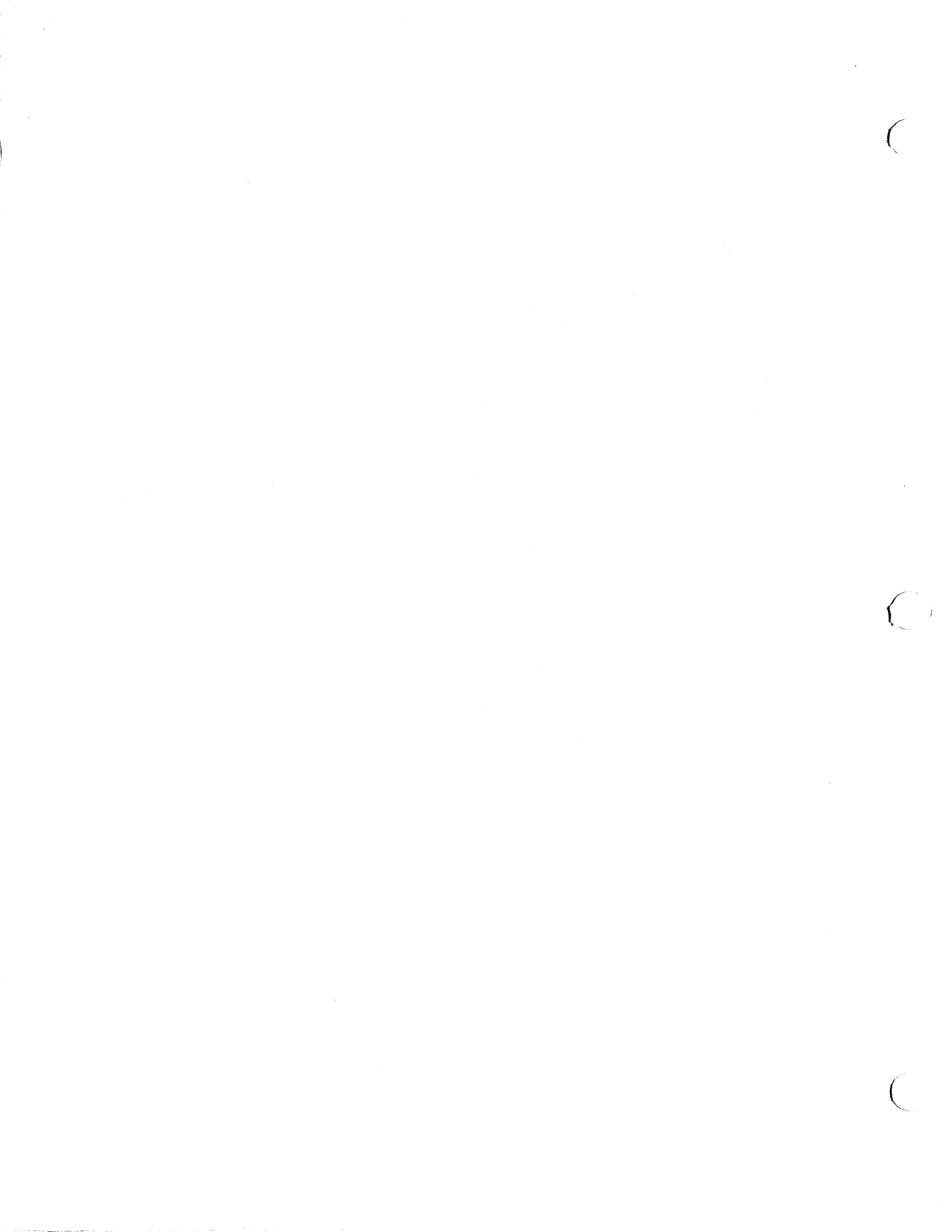


FUEL INJECTION SYSTEM  
NOZZLE HOLDER ASY.



See 840 = 840 B  
PL.

1007267



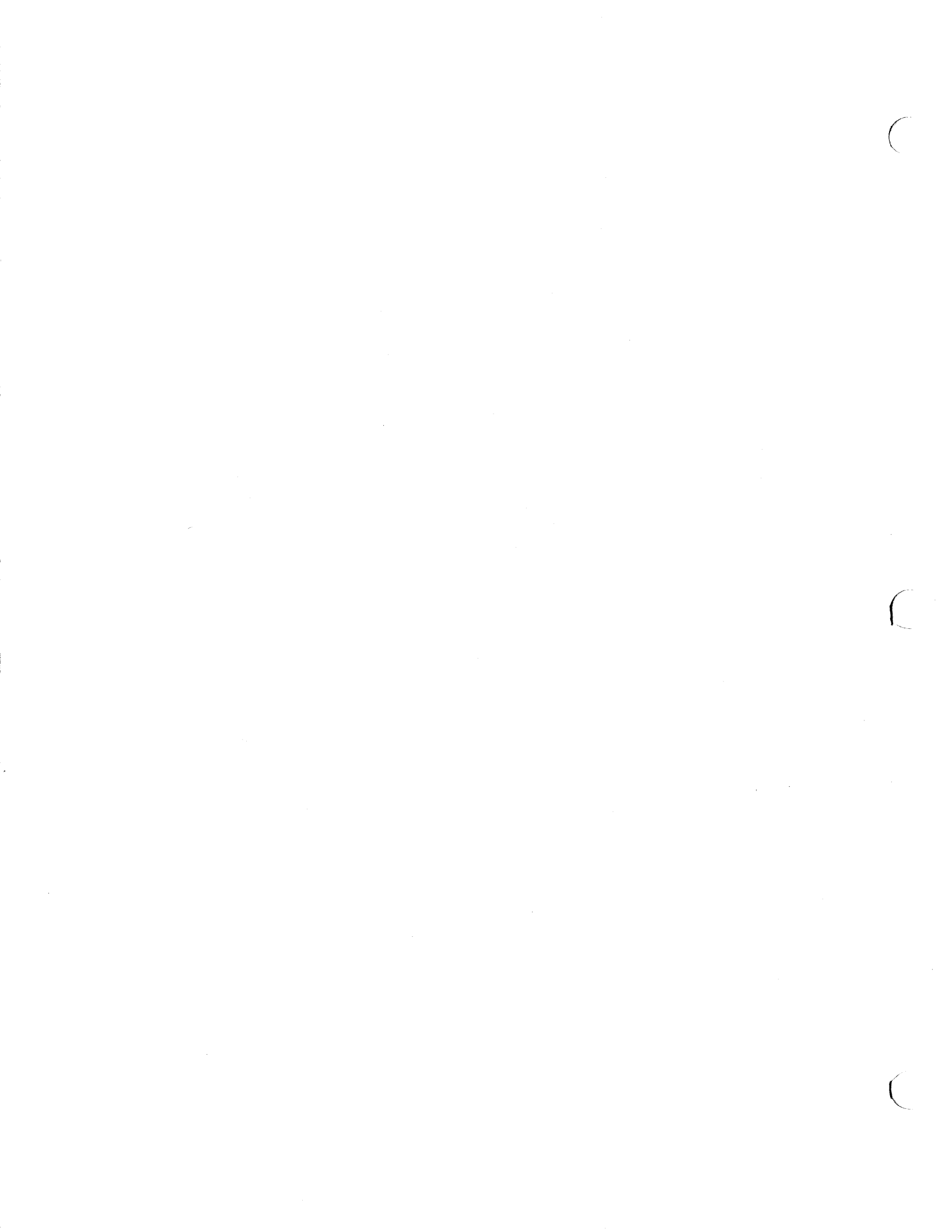
816 & 816B TRACTORS  
FUEL SYSTEM

67

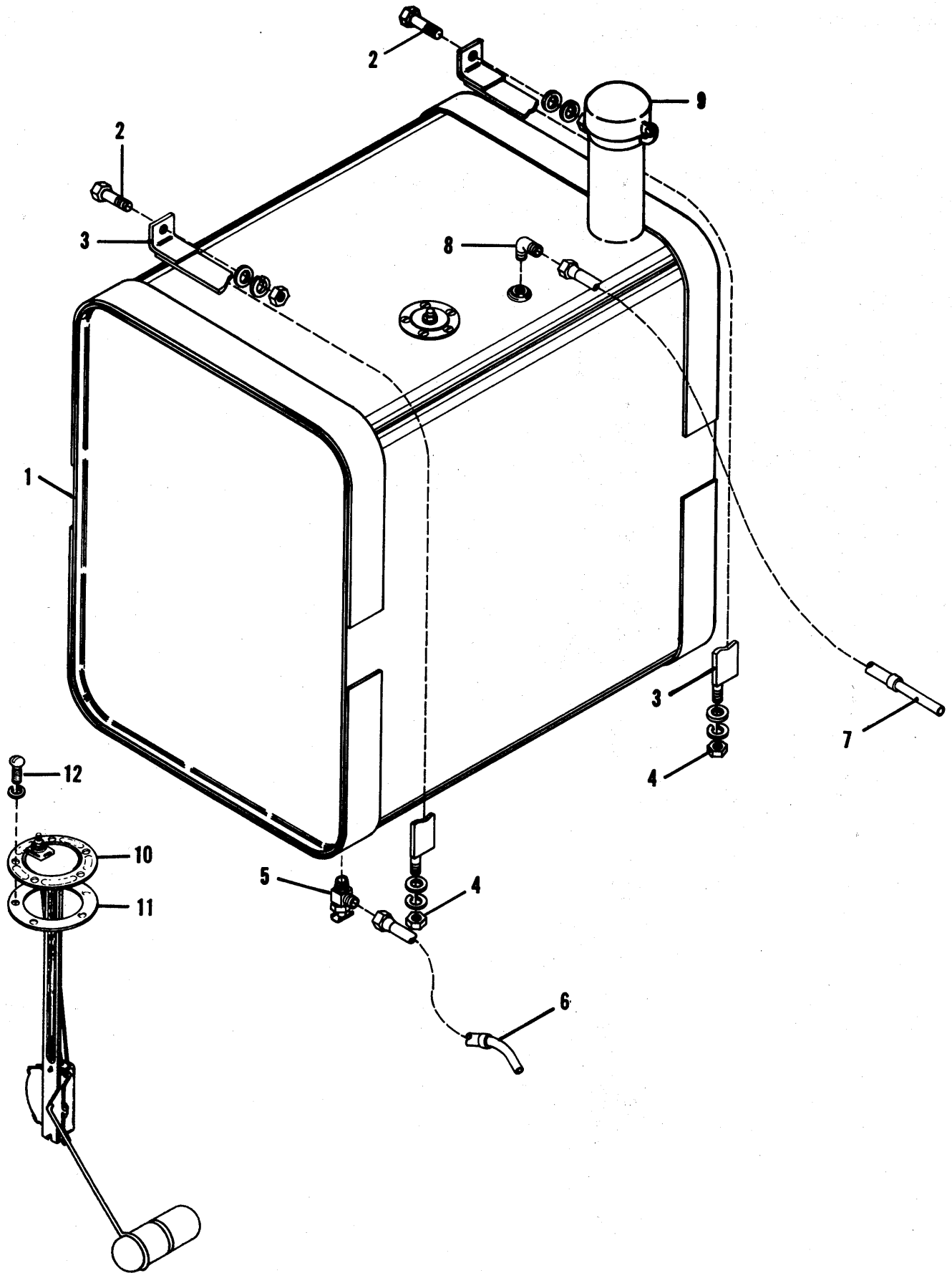
FUEL INJECTION SYSTEM  
NOZZLE HOLDER ASY.

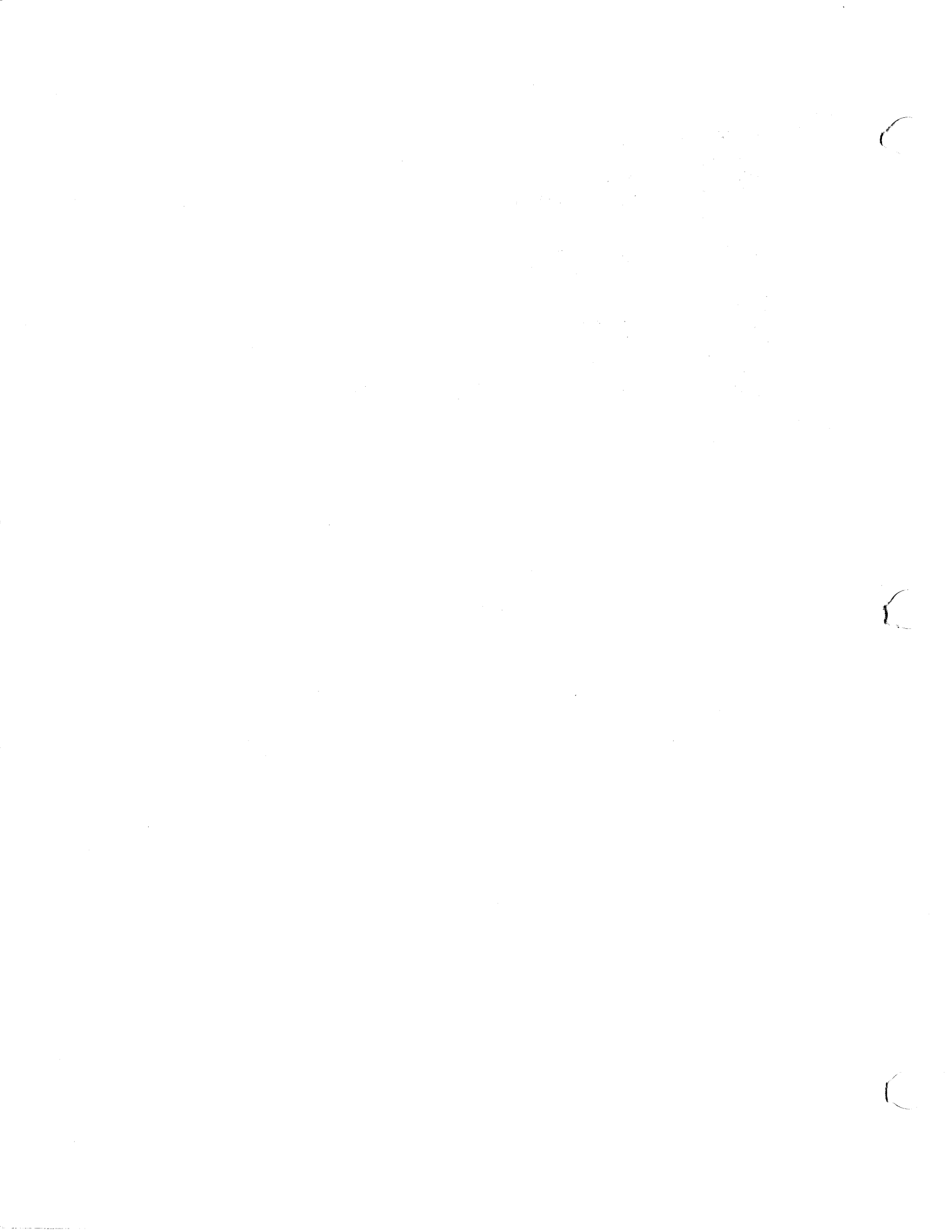
ITEM	NUMBER	QTY.	DESCRIPTION
1	1005100-1	4	HOLDER ASY., nozzle
	0251285-3	1	SHIELD, injector, dust
2	1005101-9	1	NOZZLE, injector
3	0251284-6	1	WASHER, injector seating
4	0252019-5	1	NUT, nozzle cap
5	0252020-3	—	DOWEL (Use as req'd)
6	1007962-2	1	BODY
7	0252022-9	1	SPINDLE
8	0252023-7	1	SPRING
9	1007965-5	1	NUT, spring cap
10	1007966-3	1	WASHER, tab
11	0252024-5	1	<del>NUT, nozzle holder cap</del> <i>shur</i>
12	0252028-6	2	WASHER
13	0252026-0	1	LOCKNUT





FUEL TANK & LINES



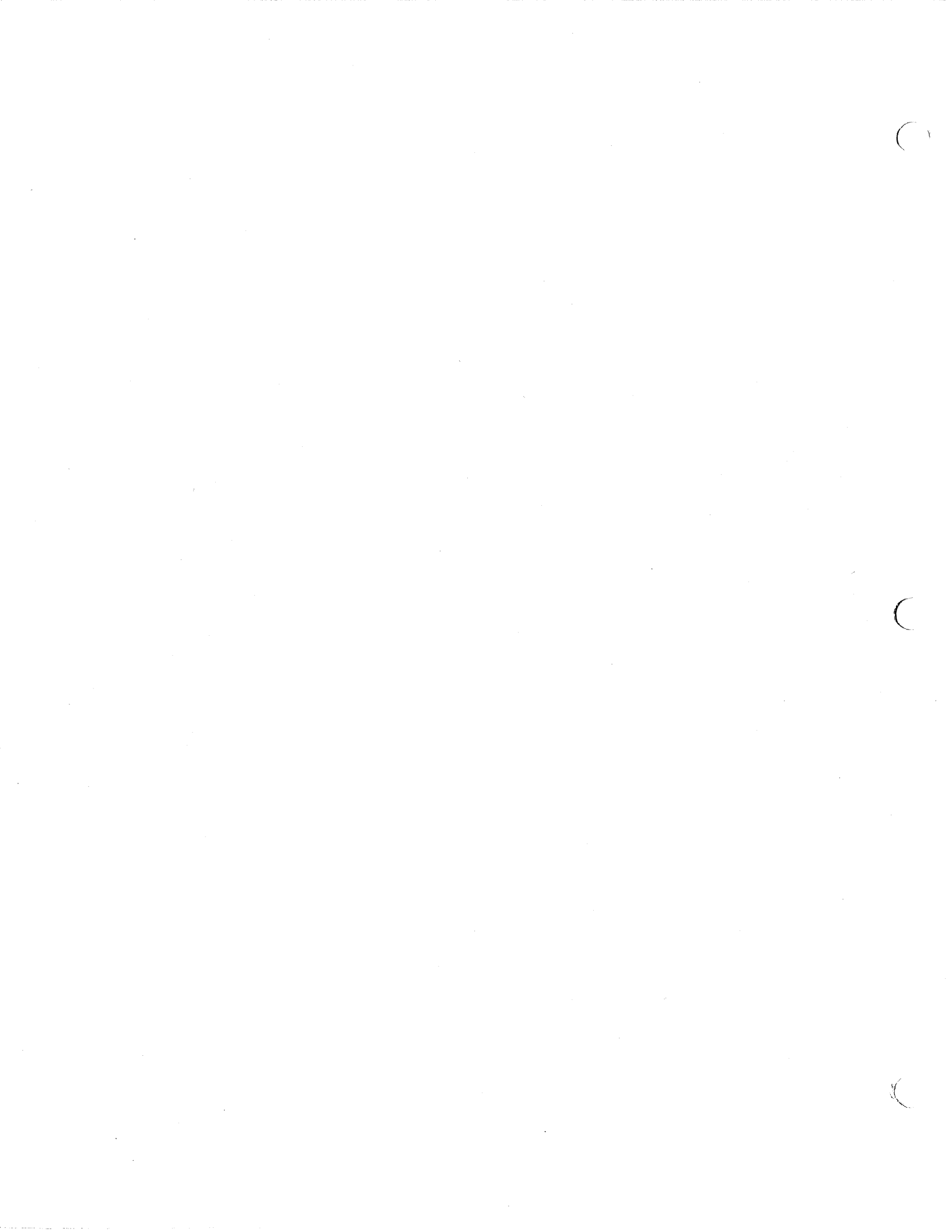


816 & 816B TRACTORS  
FUEL SYSTEM

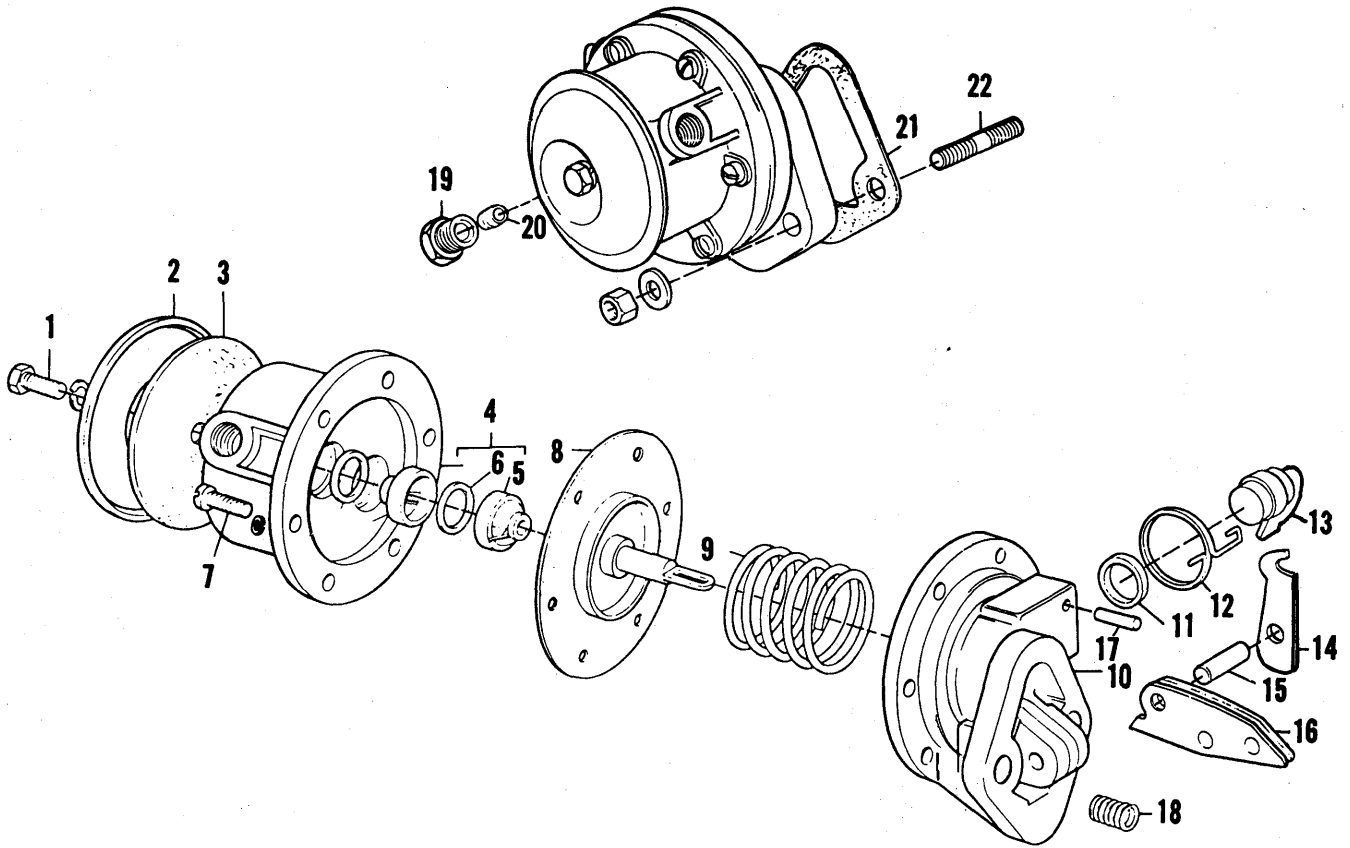
69

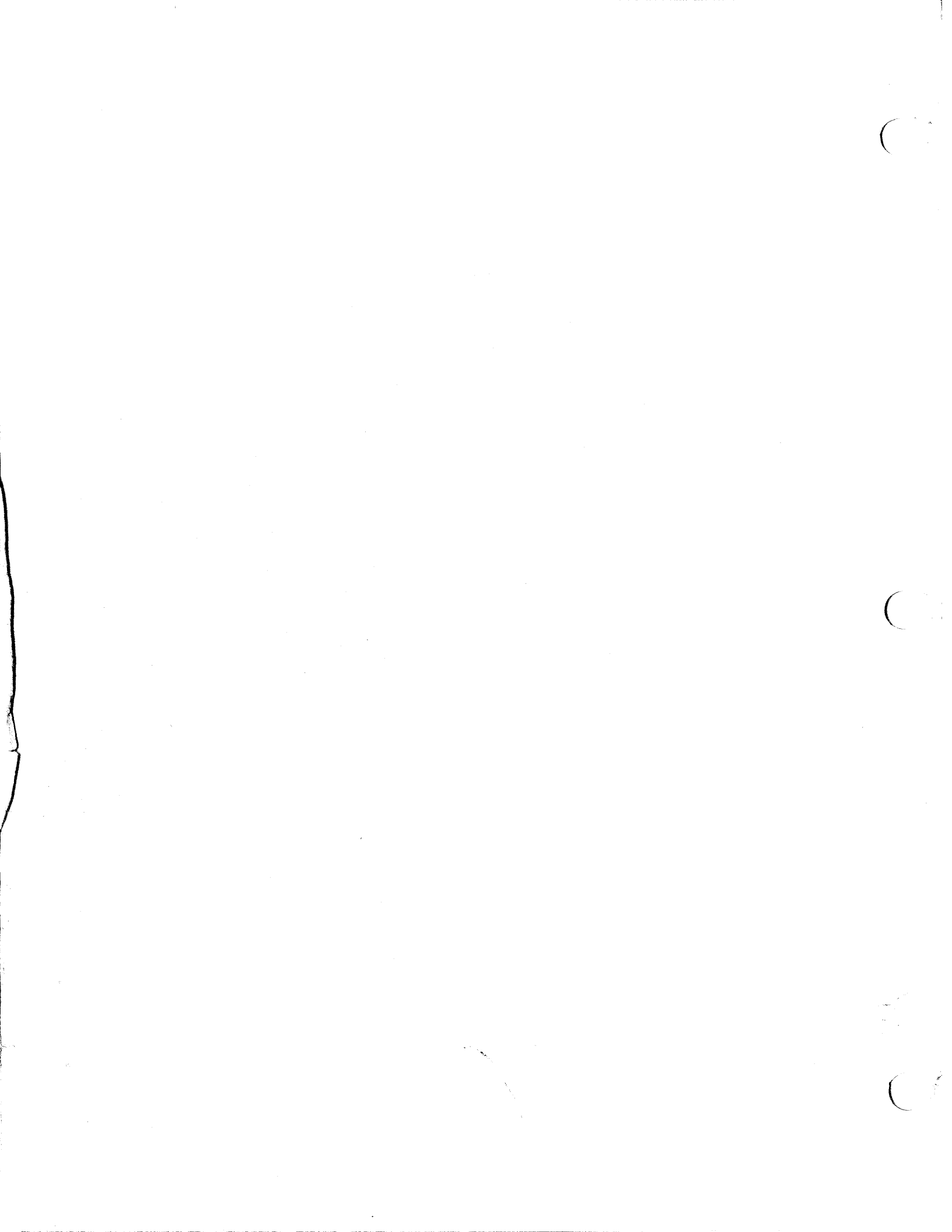
FUEL TANK & LINES

ITEM	NUMBER	QTY.	DESCRIPTION
1	1006449-1	1	TANK, fuel
	1006404-6	4	PACKING STRIP
	1004700-9	4	CEMENT, adheslve (2 oz.)
2	0921333-1	2	CAPSCREW
	0918265-0	2	WASHER
	0917356-8	2	LOCKWASHER, 5/16
3	0917372-5	2	NUT, 5/16NC
	1006450-9	2	STRAP, tie down, fuel tank
	0916622-4	2	NUT, 1/4NC
4	0918264-3	2	WASHER
	0916964-0	2	LOCKWASHER, 1/4
	0926871-5	1	VALVE, shut-off
6	1007601-6	1	LINE, fuel
	1007417-7	1	SLEEVE
7	1007090-2	1	LINE, drlp (Prior Tr. S/N 2656)
	1010519-5	1	LINE, drlp (Eff. Tr. S/N 2656 & Up)
8	0910268-2	1	ELBOW, 90 <sup>o</sup>
9	0247687-7	1	CAP, fuel tank
10	1006644-7	1	SENDING UNIT, fuel gauge
11	0241522-2	1	GASKET
12	0917452-5	5	SCREW
	0917365-9	5	LOCKWASHER, No. 10



FUEL LIFT PUMP  
PRIOR TRACTOR S/N 2656





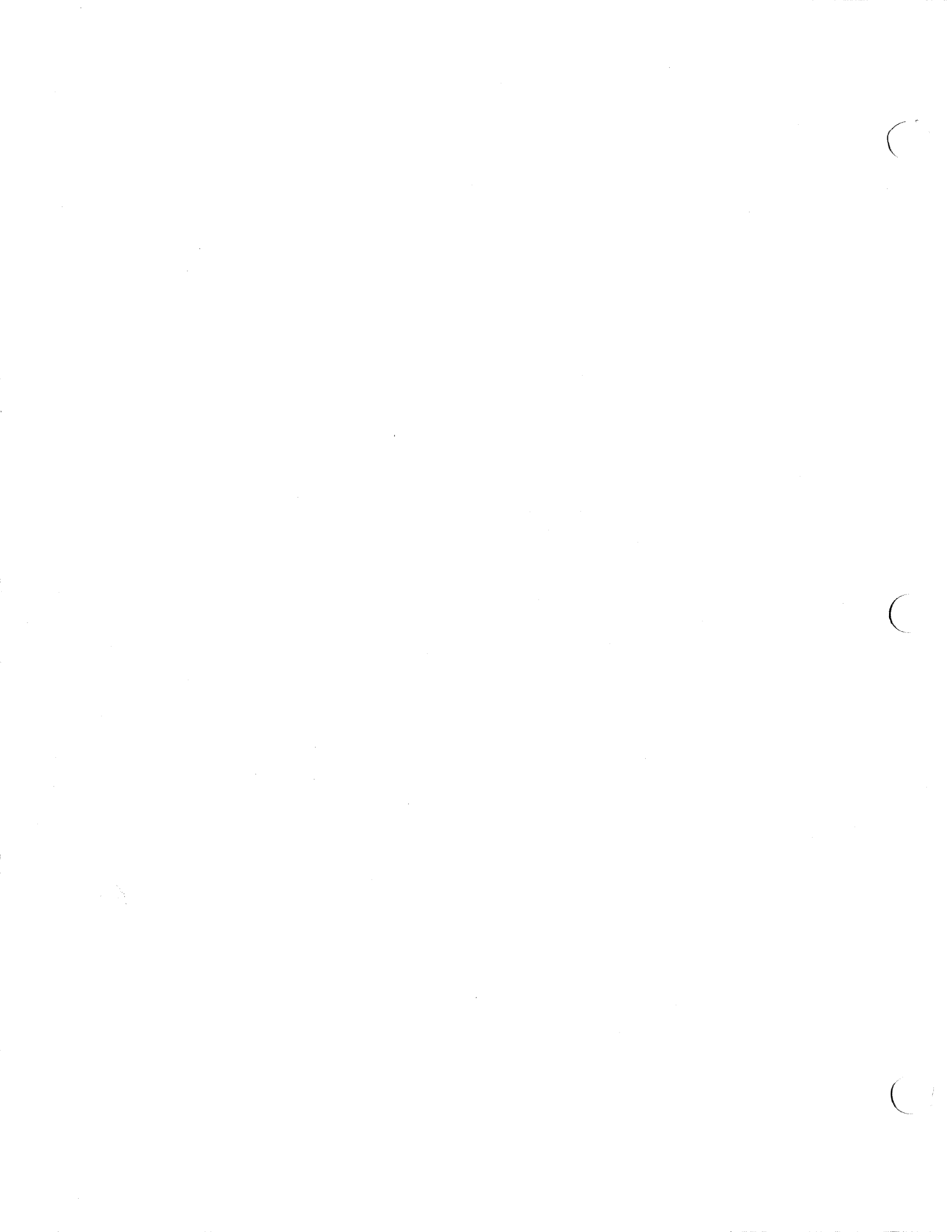
816 & 816B TRACTORS  
FUEL SYSTEM

71

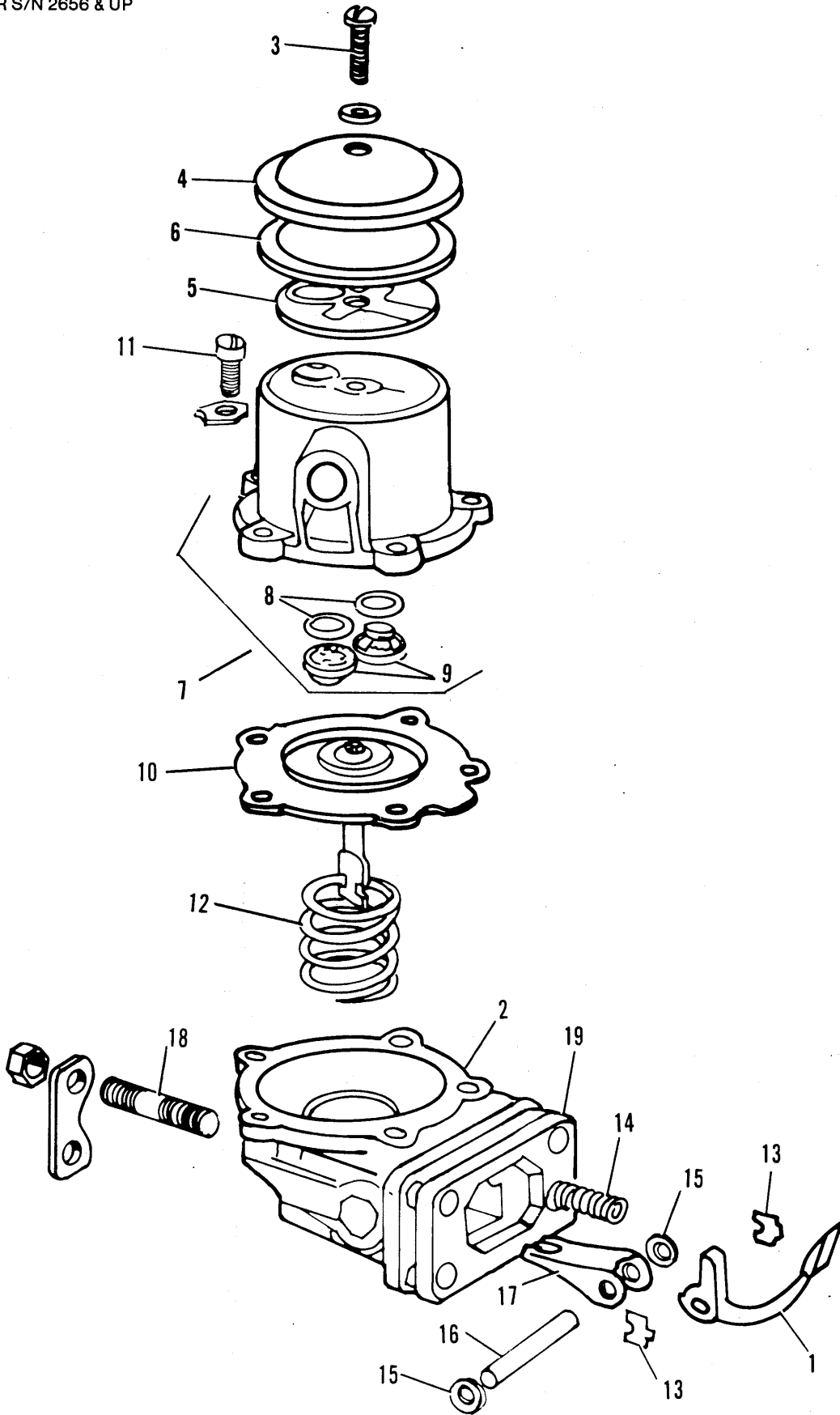
FUEL LIFT PUMP  
PRIOR TRACTOR S/N 2656

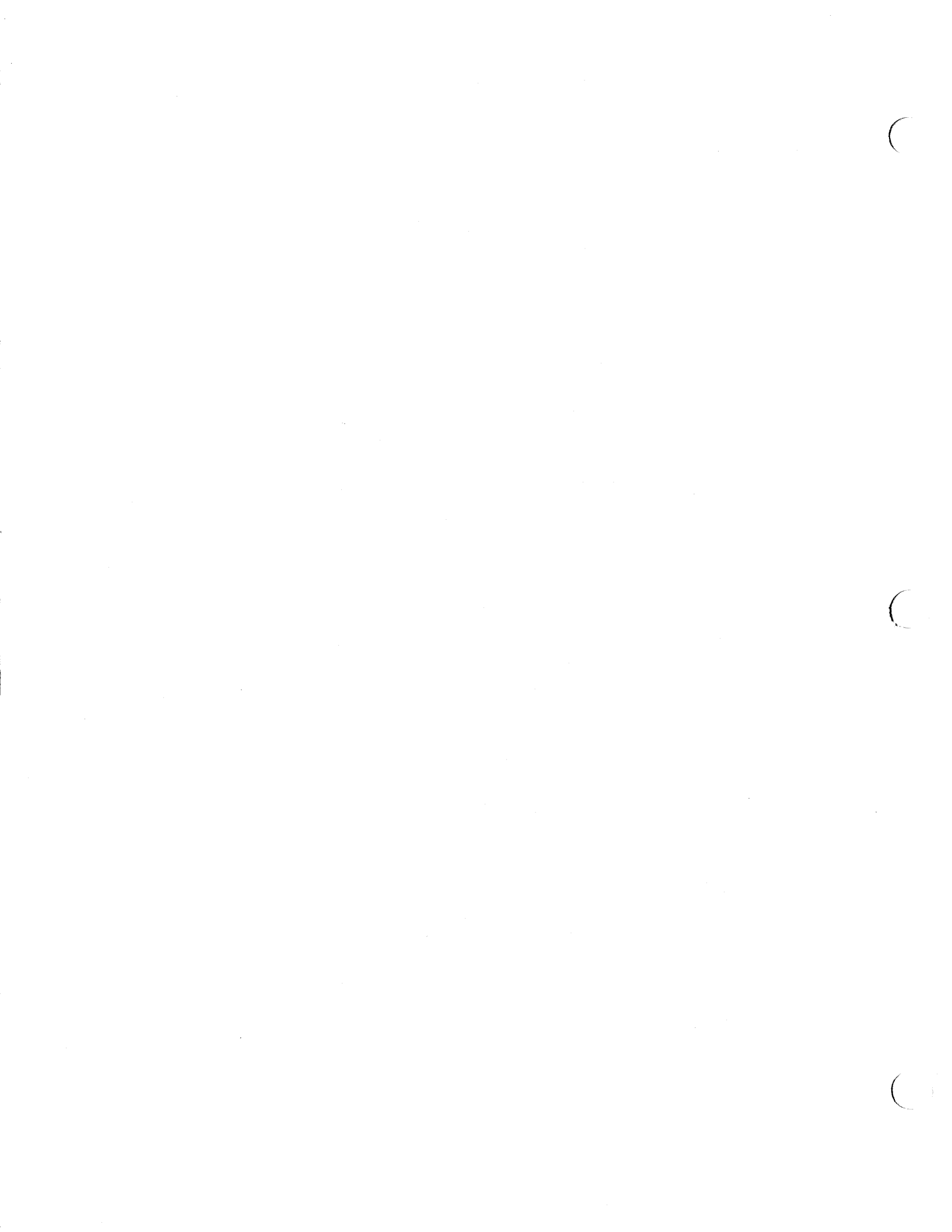
ITEM	NUMBER	QTY.	DESCRIPTION
—	1005093-8	—	PUMP ASY., fuel (Incls. Items 2 thru 18)
1	0251392-7	1	SCREW, cover to housing (Use 1005093)
2	0251384-4	1	COVER, pump (Use 1005093)
3	0251385-1	1	DIAPHRAGM, pump (Use 251393)
4	0251386-9	1	HOUSING, pump (Incls. Items 5 & 6) (Use 1005093)
5	0251216-8	2	VALVE, inlet & outlet
6	0251364-6	2	GASKET, valve (Use 251393)
7	1005085-4	6	SCREW, housing to body (Use 257232)
	0257415-0	6	WASHER, spring
8	0251395-0	1	DIAPHRAGM, pump
9	0251382-8	1	SPRING, return
10	1005087-0	1	BODY, pump (Use 1005093)
11	1005090-4	1	WASHER, primer
12	0251390-1	1	SPRING, primer return
13	0251389-3	1	PRIMER, pump
14	0251396-8	1	LEVER, pump operating
15	0251388-5	1	PIN, pump arm & lever
16	0251387-7	1	ARM, pump (Use PUMP ASY. 1005093)
17	0251391-9	1	PIN, primer retaining
18	0251370-3	1	SPRING, arm return (Use REPAIR KIT 251393)
19	0251279-6	1	NUT, inlet port
20	0910857-2	1	SLEEVE, inlet port
21	0251277-0	1	GASKET, pump to block
22	1007679-2	2	STUD, pump to block
	0917356-8	2	LOCKWASHER, 5/16 (Use w/910233)
	1005092-0	4	WASHER, plain
23	0251383-6	1	WASHER, screw
—	0251393-5	—	REPAIR KIT, fuel oil pump
	0251216-8	2	VALVE
	0251277-0	1	GASKET
	0251364-6	2	GASKET (Use REPAIR KIT 251393)
	0251370-3	1	SPRING (Use REPAIR KIT 251393)
	0251385-1	1	DIAPHRAGM (Use REPAIR KIT 251393)
	0251388-5	1	PIN
	0251395-0	1	DIAPHRAGM
	0251396-8	1	LINK





FUEL LIFT PUMP  
EFF. TRACTOR S/N 2656 & UP





816 & 816B TRACTORS  
FUEL SYSTEM

73

FUEL LIFT PUMP  
EFF. TRACTOR S/N 2656 & UP

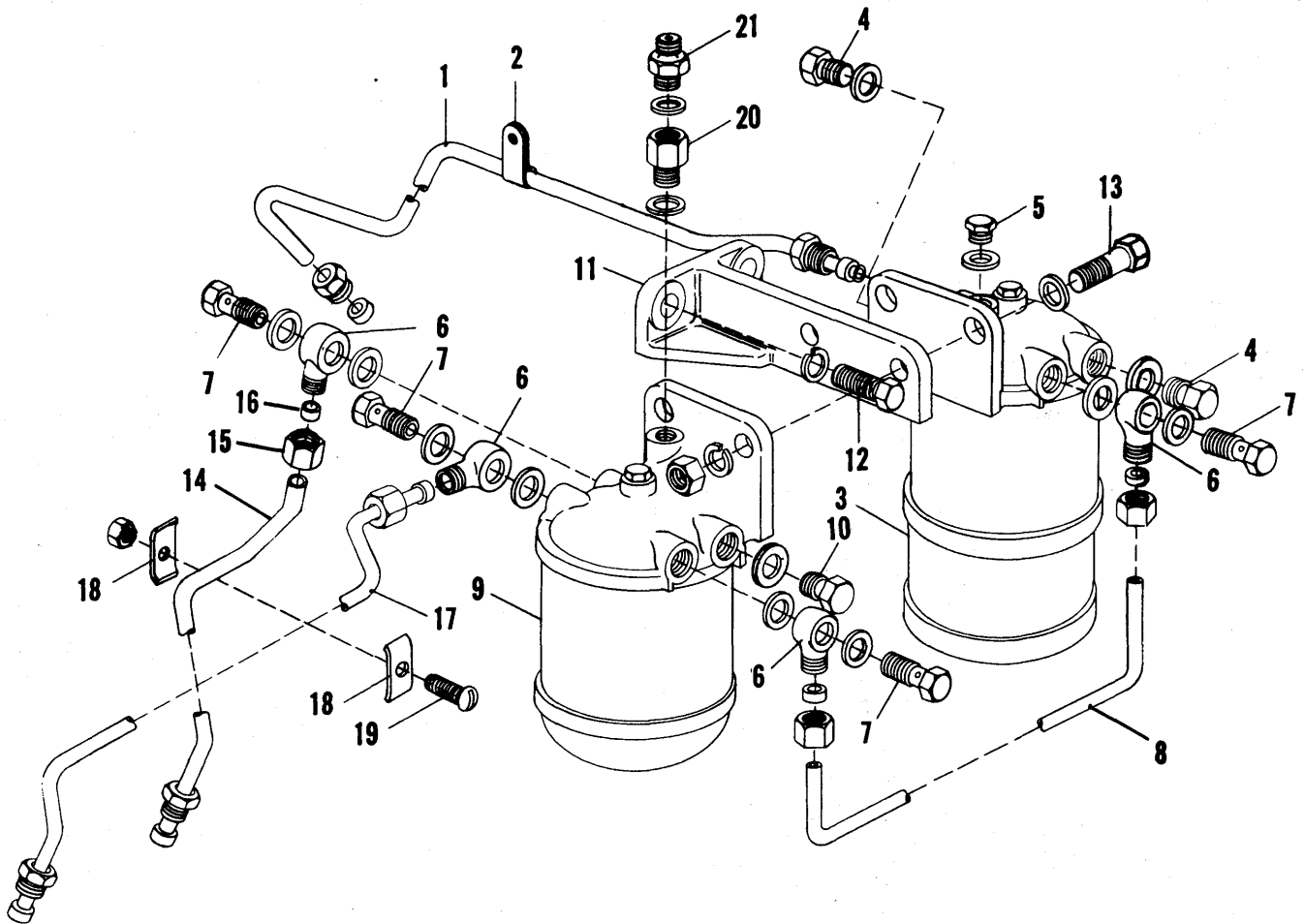
ITEM	NUMBER	QTY.	DESCRIPTION
-	0257232-9	-	PUMP ASY., lift
1	1012044-2	1	ARM ASY., lift (Use 257232 PUMP ASY.)
2	1012045-9	1	BODY, pump asy. (Use 257232 PUMP ASY.)
3	1012046-7	1	SCREW, head (Use 257232 PUMP ASY.)
	0257376-4	1	WASHER (Use 1014735 REPAIR KIT)
4	1012048-3	1	COVER filter (Use 257232 PUMP ASY.)
5	1012049-1	1	SCREEN, filter (Use 1014735 REPAIR KIT)
6	0257377-2	1	GASKET, filter cover
7	8010289-0	1	COVER & VALVE ASY.
8	0251364-6	2	GASKET, valve seating (Use 1014735 REPAIR KIT)
9	0251216-8	2	VALVE ASY.
10	8001432-7	1	ROD ASY., diaphragm & pull (Use 1014735 REPAIR KIT)
11	1005085-4	5	SCREW, cover (Use 257232 PUMP ASY.)
	0257415-0	5	WASHER
12	2080243-5	1	SPRING, diaphragm
13	8013430-7	2	CLIP, retaining (Service only in KIT)
14	1012055-8	1	SPRING, return (Use 1014735 REPAIR KIT)
15	0257419-2	2	WASHER (Use 1014735 REPAIR KIT)
16	0257420-0	1	PIN, rocker arm
17	8001437-6	1	LINK (Use 1014735 REPAIR KIT)
18	0257233-7	4	STUD, block to pump
	0251069-1	4	NUT, retaining
	1005092-0	4	WASHER, retaining
19	0257231-1	1	GASKET, pump to block
-	1014735-3	-	REPAIR KIT
	0251216-8	2	VALVE (Use 1014735 REPAIR KIT)
	0251364-6	2	GASKET
	8001429-3	1	WASHER (Use 1014735 REPAIR KIT)
	8001427-7	1	GASKET (Use 1 of 257377)
	1012302-4	1	GASKET (Use 1014735 REPAIR KIT)
	1012301-6	1	SEAL
	0251380-2	1	WASHER
	0257375-6	1	GASKET
	0257376-4	1	WASHER (Use 1014735 REPAIR KIT)

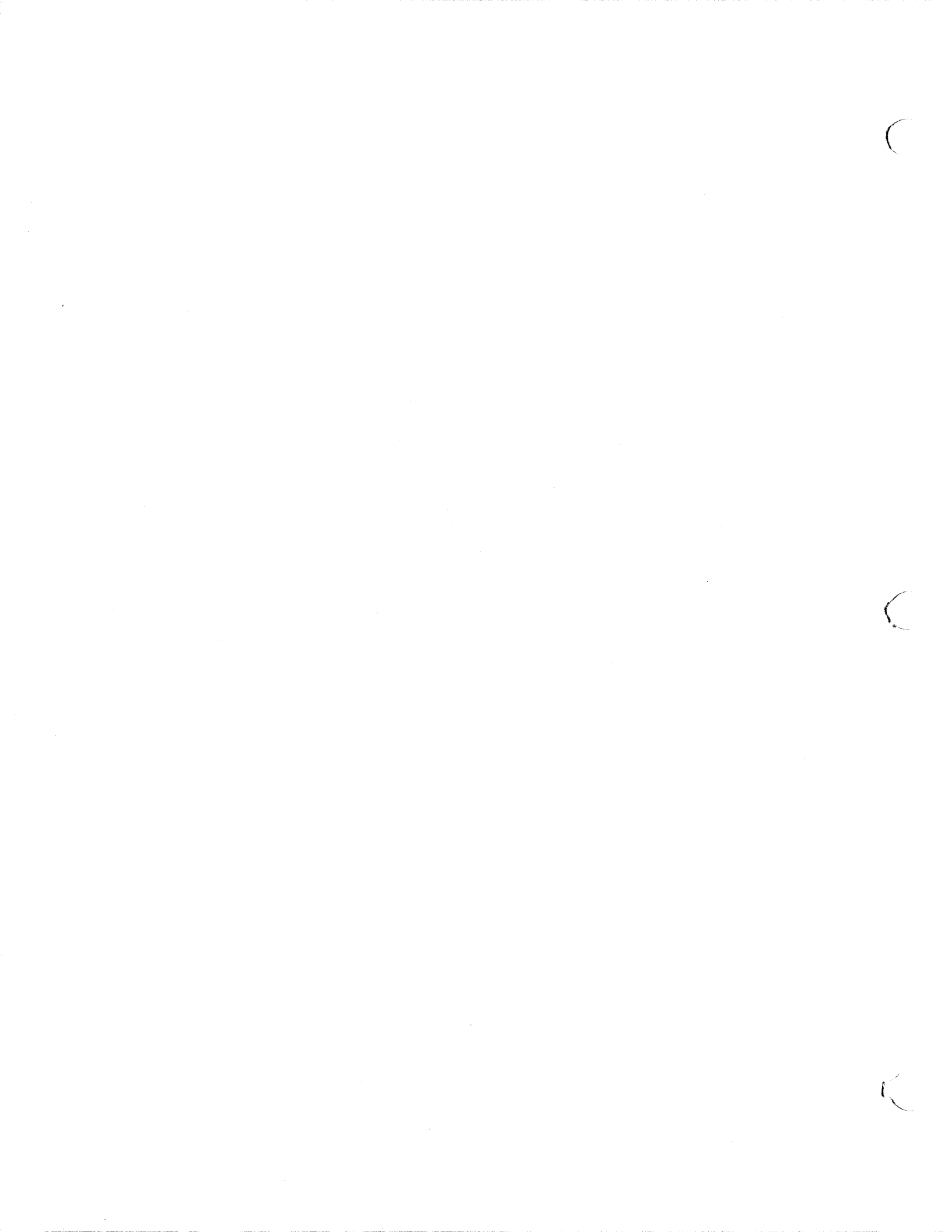
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816 & 816B TRACTORS  
FUEL SYSTEM

FUEL FILTERS & LINES  
PRIOR TRACTOR S/N 2676





816 & 816B TRACTORS  
FUEL SYSTEM

75

FUEL FILTERS & LINES  
PRIOR TRACTOR S/N 2676

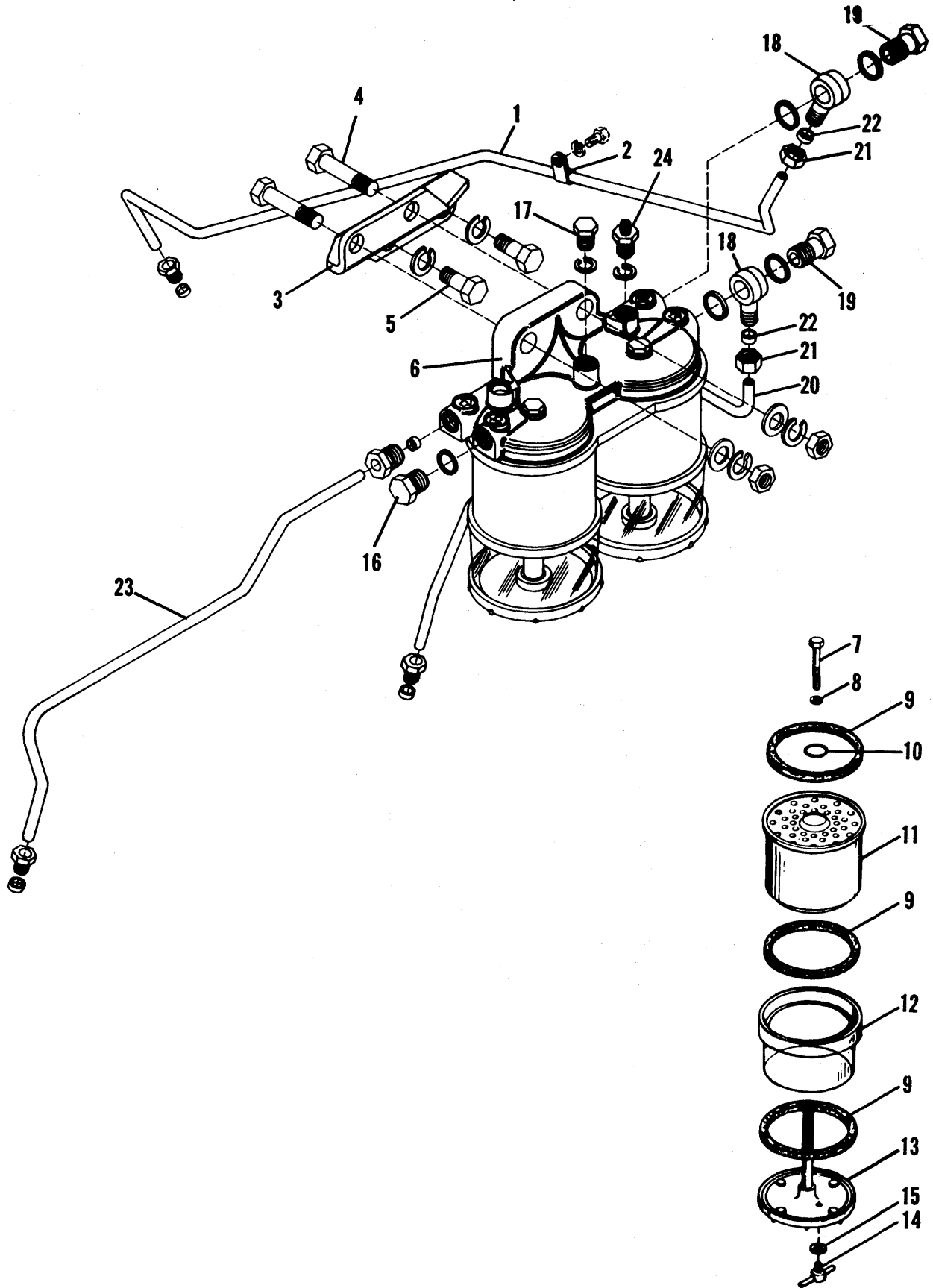
ITEM	NUMBER	QTY.	DESCRIPTION
1	1005068-0	1	PIPE ASY., pump to filter (Incls. NUT, SLEEVE & Item 2)
	0251312-5	2	NUT, pipe
	0251313-3	2	SLEEVE, pipe
2	0251320-8	1	CLIP, oil pipe
3	-----	1	FILTER ASY., primary fuel (Refer to FUEL FILTER ASY.)
4	0251308-3	2	PLUG, primary filter
	0251309-1	2	WASHER, plug
5	0251310-9	1	PLUG, primary filter, top
	0251014-7	1	WASHER, plug
6	1005071-4	4	CONNECTION, banjo, filter
7	1005072-2	4	BOLT, banjo connection
	1005073-0	4	WASHER, bolt
	0257239-4	4	WASHER, bolt
8	1005075-5	1	PIPE ASY., primary to secondary filter
	1005076-3	1	NUT, pipe
	1005077-1	1	SLEEVE, pipe
9	-----	1	FILTER ASY., secondary fuel (Refer to FUEL FILTER ASY.)
10	0251308-3	1	PLUG, secondary filter
	0251309-1	1	WASHER, plug
11	1005079-7	1	BRACKET, fuel filter
12	0927342-6	2	CAPSCREW, bracket to head
	0916965-7	2	LOCKWASHER, 3/8
13	0921987-4	2	BOLT, filter to bracket
	0916965-7	2	LOCKWASHER, 3/8
	0251091-5	2	NUT, retaining, filter
	1005081-3	2	WASHER, plain
14	1005082-1	1	PIPE ASY., secondary filter to fuel pump (Incls. NUT & SLEEVE)
	0251312-5	1	NUT, oil pipe, pump end
	0251313-3	1	SLEEVE, pipe, pump end
15	1005076-3	2	NUT, pipe, filter end
16	1005077-1	2	SLEEVE, pipe, filter end
17	1005083-9	1	PIPE ASY., pump to secondary filter (Incls. NUT & SLEEVE)
	0251312-5	1	NUT, pipe, pump end
	0251313-3	1	SLEEVE, pipe, pump end
18	0251323-2	2	CLIP, clamp, oil pipe
19	0925665-2	1	BOLT, clamping clip
	0926024-1	1	NUT, retaining, clip
20	1011861-0	1	VALVE ASY., non-return
	0251317-4	1	WASHER
21	0251318-2	1	ADAPTER, valve
	0251317-4	1	WASHER

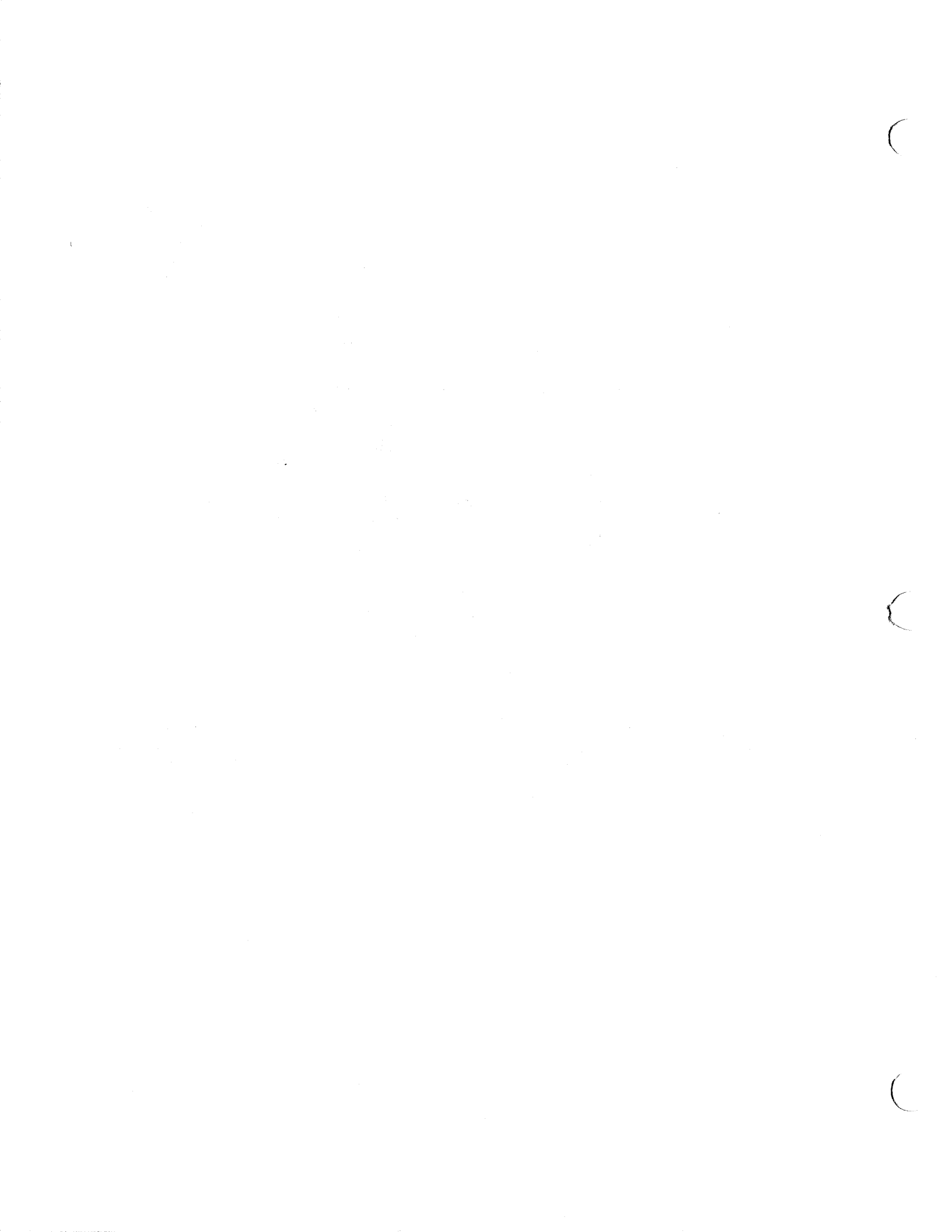




816 & 816B TRACTORS  
FUEL SYSTEM

FUEL FILTERS & LINES  
EFF. TRACTOR S/N 2576 THRU 2655





816 & 816B TRACTORS  
FUEL SYSTEM

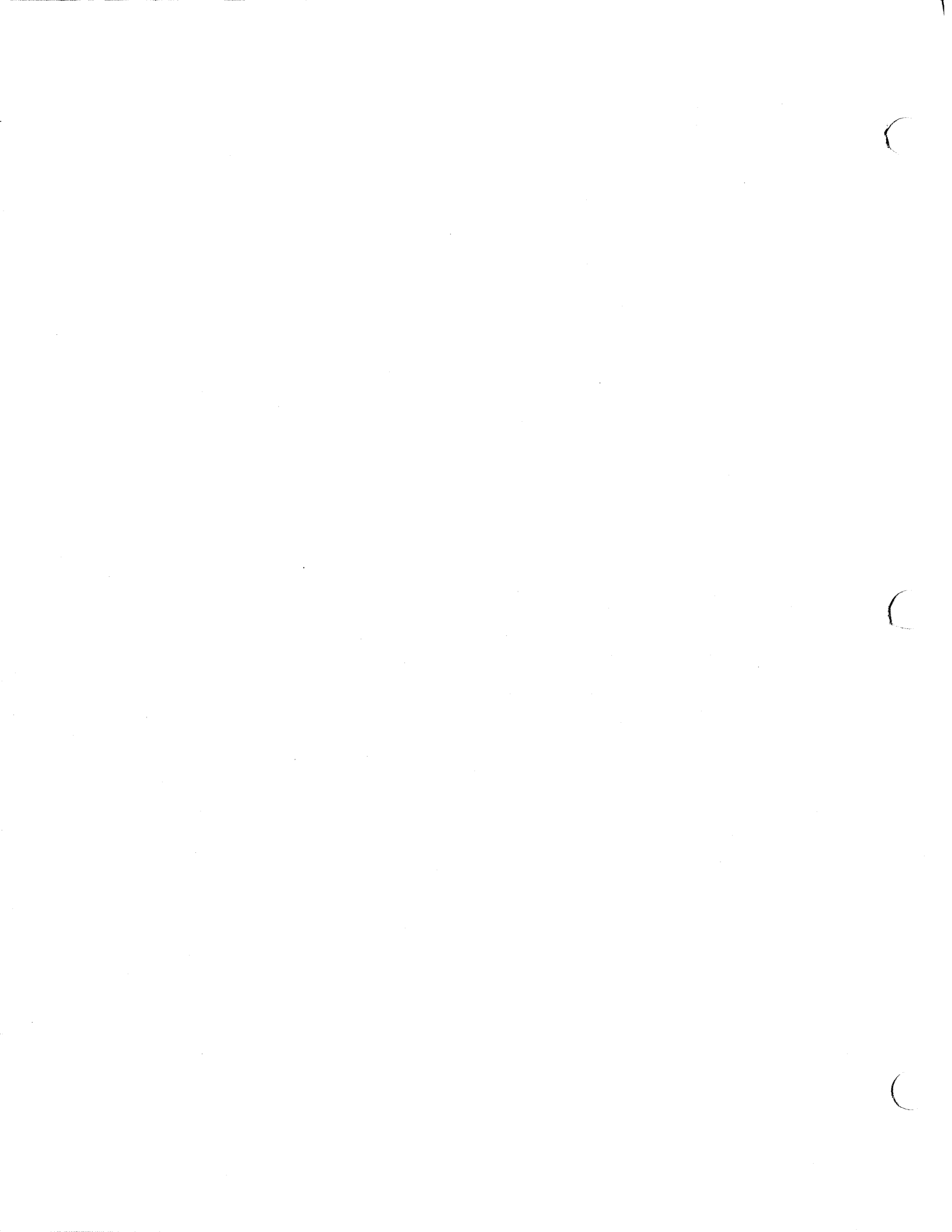
77

FUEL FILTERS & LINES  
EFF. TRACTOR S/N 2576 THRU 2655

ITEM	NUMBER	QTY.	QTY.	DESCRIPTION
		*	**	
1	1014464-0	1	1	PIPE ASY., lift pump to filter
	0251313-3	2	2	SLEEVE, pipe
	0251312-5	2	2	NUT, pipe
2	0251320-8	1	1	CLIP, oil pipe
3	1017199-9	1	1	BRACKET, fuel filter
4	0921987-4	2	2	BOLT, 3/8NF x 1-3/4 (filter to bracket)
	0915815-5	1	1	WASHER, plain, 3/8
	0916965-7	1	1	LOCKWASHER, 3/8
	0916602-6	1	1	NUT, 3/8NF (filter retaining)
5	0916382-5	2	2	BOLT, 3/8NF x 7/8 (bracket to engine)
	0916965-7	1	1	LOCKWASHER, 3/8
6	1007680-0	1	0	FILTER ASY. (Incl. Items 7 thru 15)
	1018375-4	0	1	FILTER ASY.
	1018407-5	0	1	HEAD
7	0252047-6	2	2	BOLT, center
8	0252048-4	2	0	WASHER, bolt
	2091276-2	0	2	WASHER, bolt
9	0251365-3	6	0	SEAL
	1018380-4	0	4	SEAL
	1018379-6	0	2	SEAL
10	0252049-2	2	0	SEAL
	0251977-5	0	2	SEAL
11	0251397-6	2	2	ELEMENT KIT, filter (Incl. Items 9 & 10)
12	0252051-8	2	0	BOWL, glass
	-----	0	2	BOWL, aluminum (Order BASE ASY. 1018409)
13	1023775-8	2	0	BASE ASY.
	1018409-1	0	2	BASE ASY.
14	0252052-6	2	2	PLUG, drain
15	0252053-4	2	2	WASHER, plug
16	0251308-3	1	1	PLUG, filter
	0251309-1	1	1	WASHER, plug
17	0251310-9	1	1	PLUG, filter, top
	0251014-7	1	1	WASHER, plug
18	1007682-6	1	1	PIPE ASY., filter to pump
	0251313-3	2	2	SLEEVE, pipe (pump end)
	0251312-5	2	2	NUT, pipe (pump end)
19	1010422-2	1	1	CONNECTOR, banjo
20	1007684-2	1	1	PIPE ASY., pump to filter return
	0251313-3	2	2	SLEEVE, pipe
	0251312-5	2	2	NUT, pipe
21	1005076-3	1	1	NUT, pipe, filter end
22	1005077-1	1	1	SLEEVE, pipe, filter end
23	1005071-4	1	1	CONNECTOR, filter banjo
24	1005072-2	1	1	BOLT, banjo connection
	1005073-0	1	1	WASHER, bolt
	0257239-4	1	1	WASHER, bolt

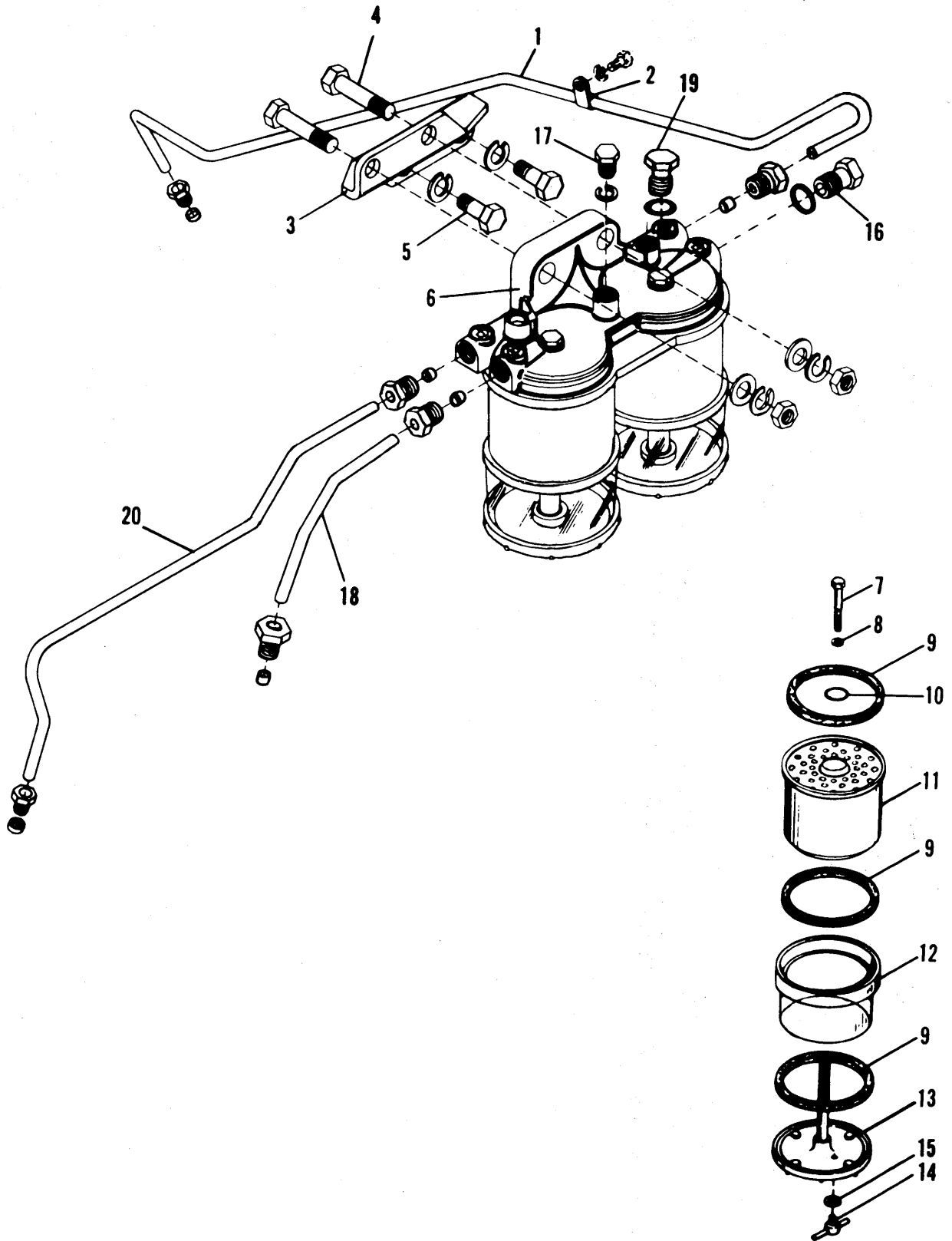
\*Glass Bowl Filter

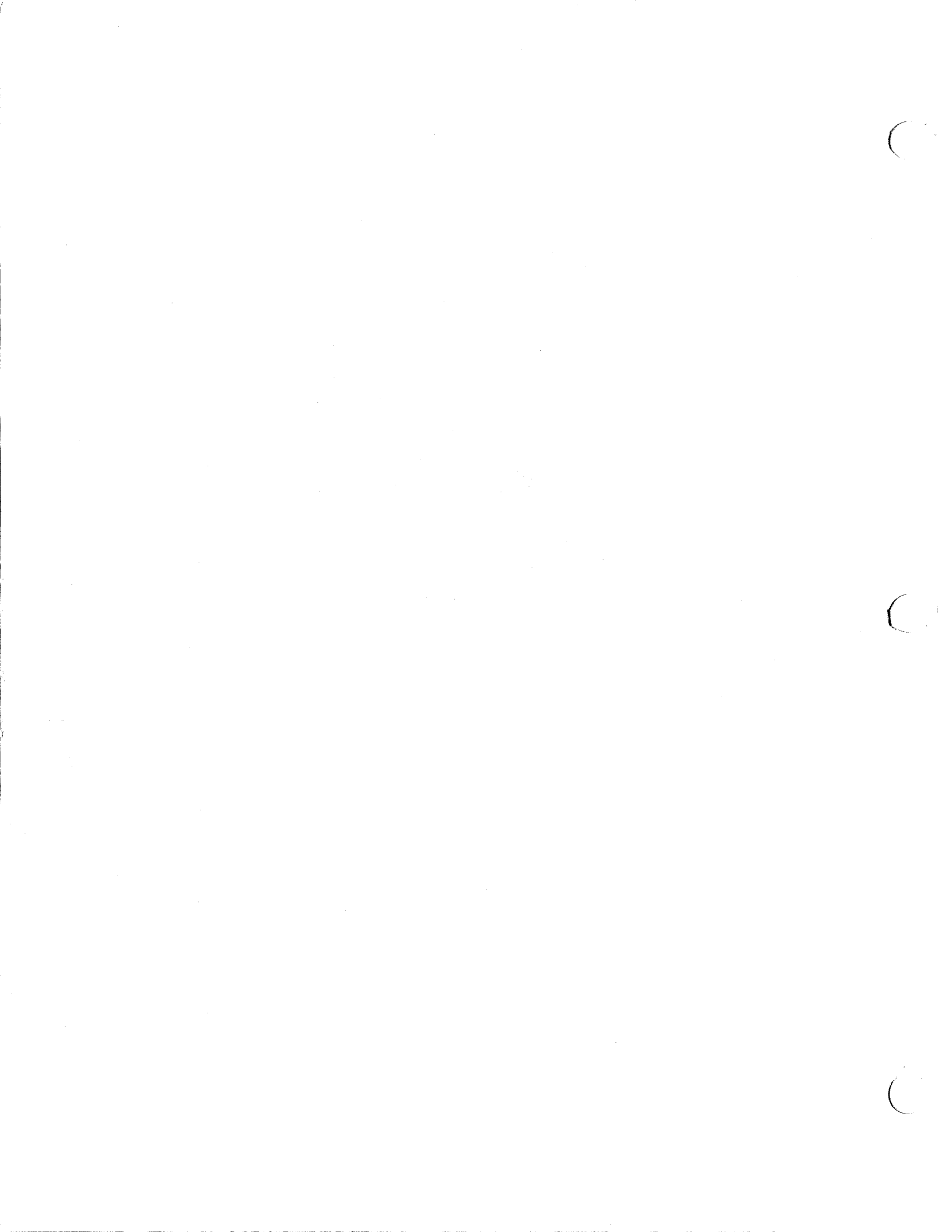
\*\*Aluminum Bowl Filter



816 & 816B TRACTORS  
FUEL SYSTEM

FUEL FILTERS & LINES  
EFF. TRACTOR S/N 2656 & UP





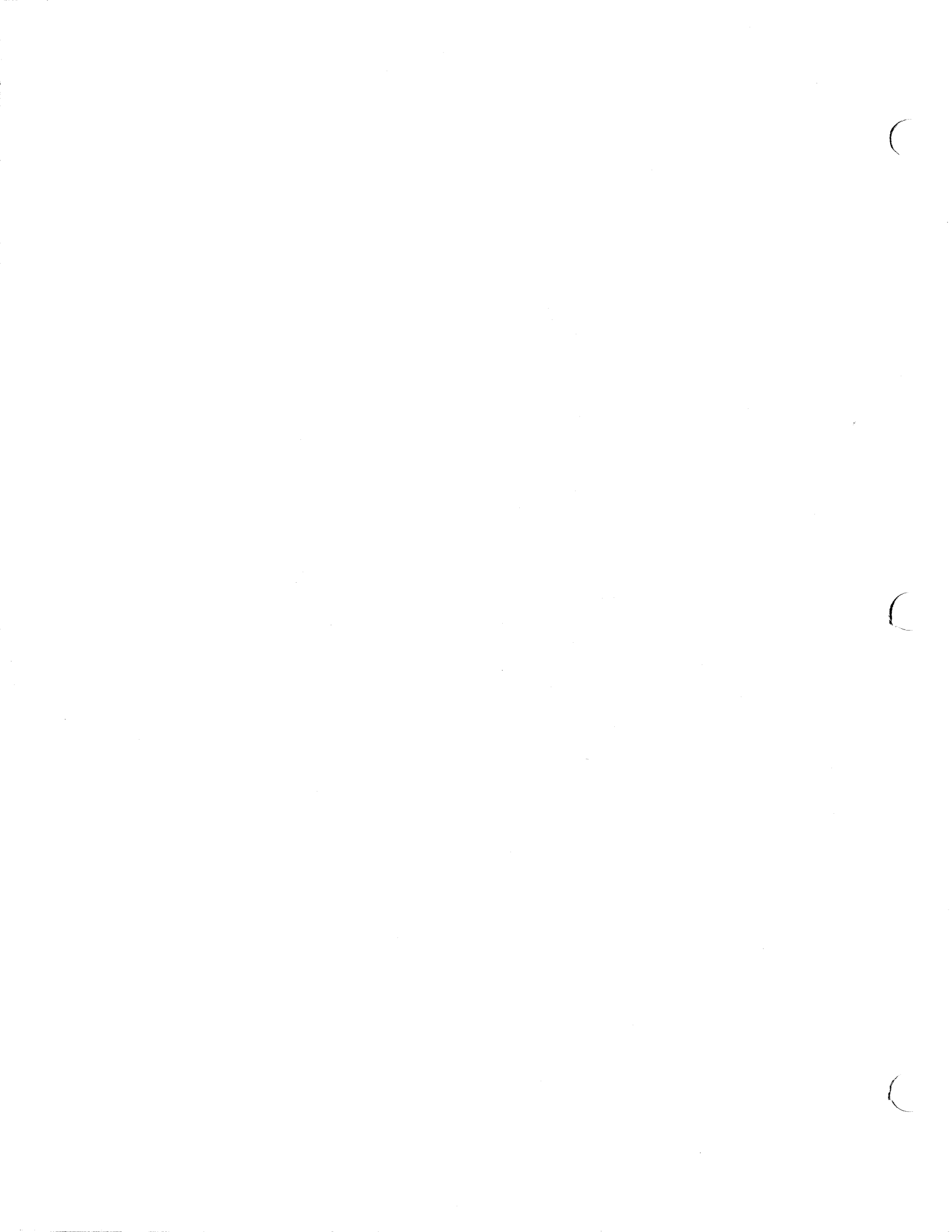
816 & 816B TRACTORS  
FUEL SYSTEM

79

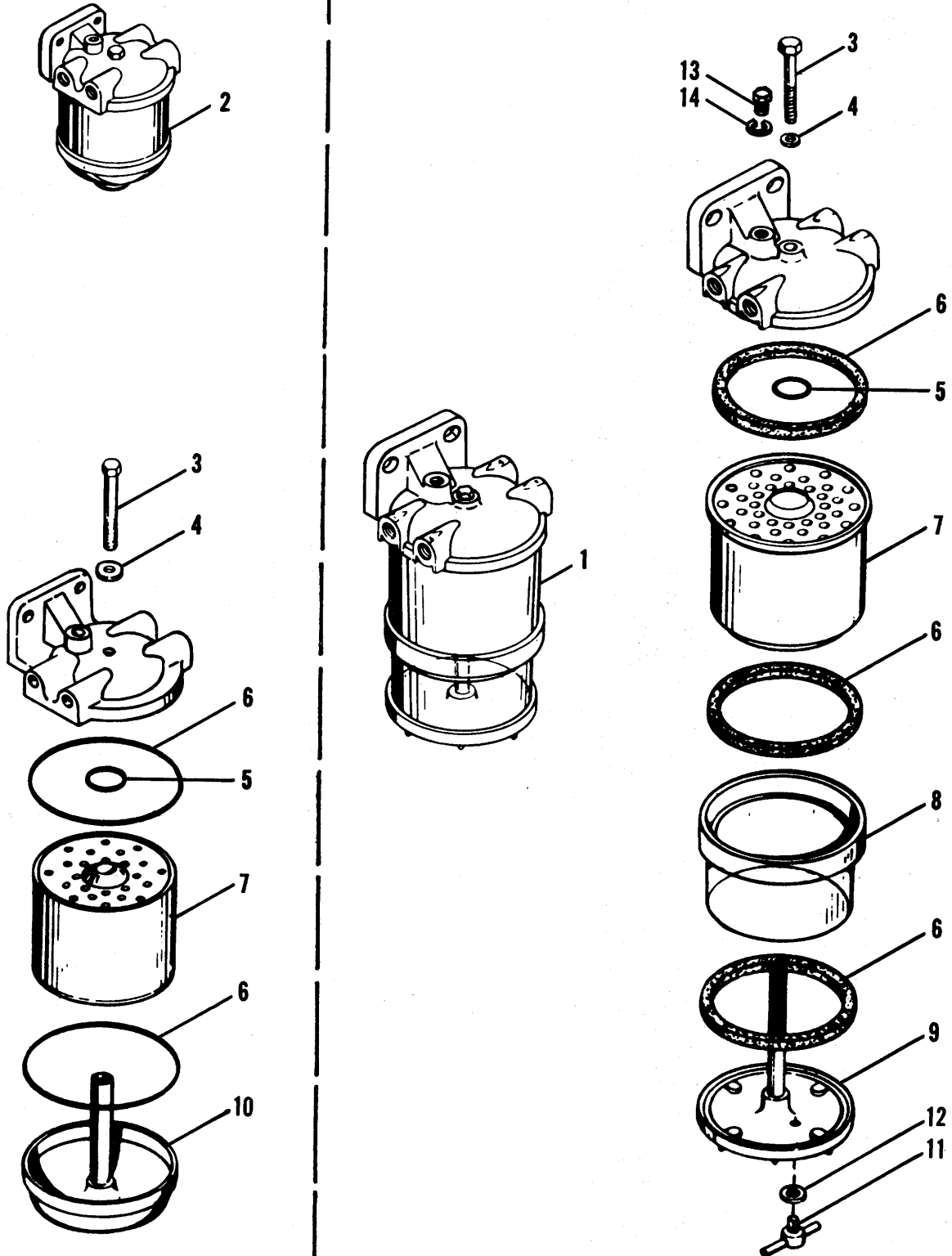
FUEL FILTERS & LINES  
EFF. TRACTOR S/N 2656 & UP

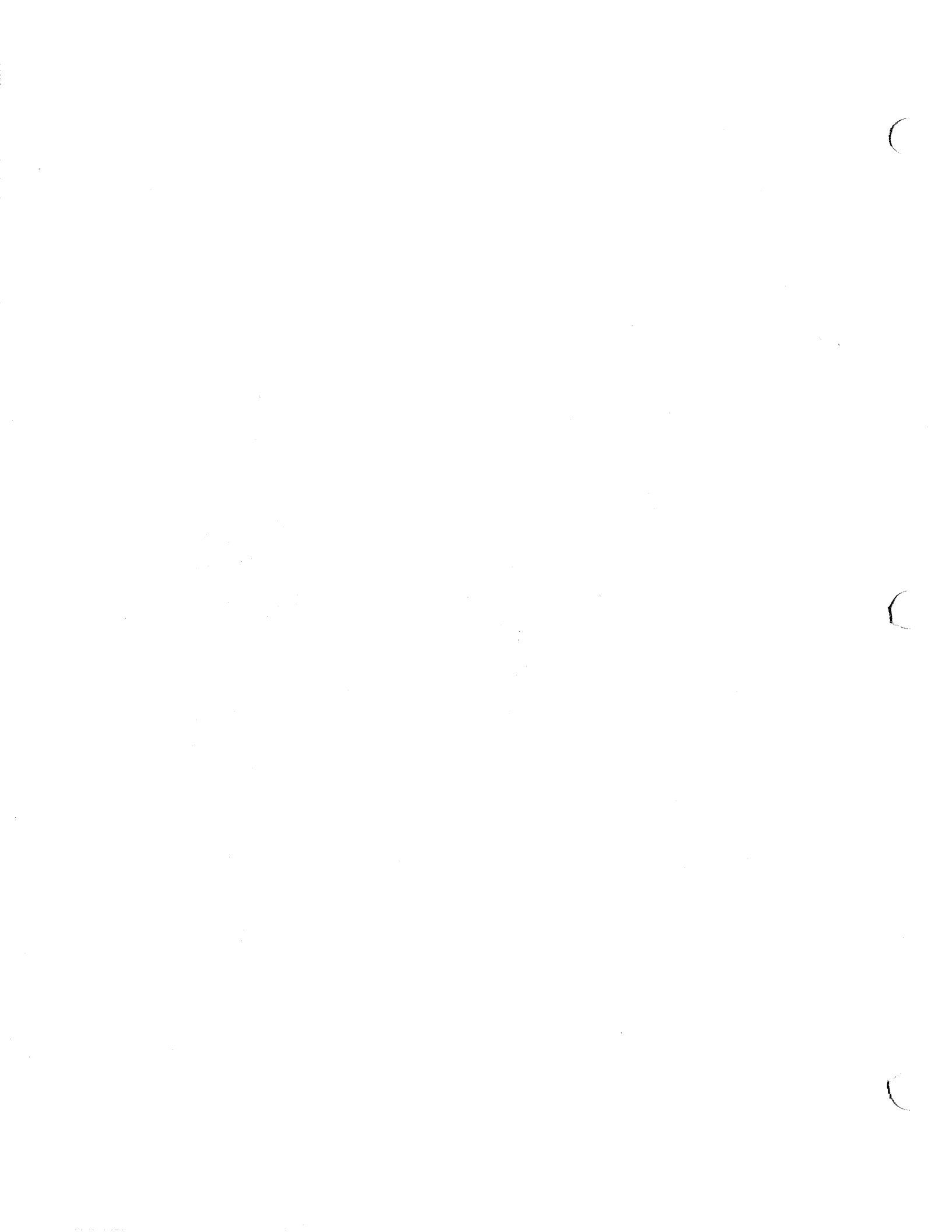
ITEM	NUMBER	QTY.	DESCRIPTION
1	1010464-4	1	PIPE ASY., lift pump to filter
	0251312-5	2	NUT, pipe
	0251313-3	2	SLEEVE, pipe
2	0251320-8	1	CLIP, oil pipe
3	1017199-9	1	BRACKET, fuel filter
4	0921987-4	2	BOLT, filter to bracket
	0916965-7	2	LOCKWASHER, 3/8
	0916602-6	2	NUT, 3/8NF (filter retaining)
	0915815-5	2	WASHER, plain, 3/8
5	0916382-5	2	BOLT, bracket to engine
	0916965-7	2	LOCKWASHER, 3/8
6	1007680-0	1	FILTER ASY. (glass bowl) (Incl. Items 7 thru 15)
	1018375-4	1	FILTER ASY. (aluminum bowl)
7	0252047-6	2	BOLT, center
8	0252048-4	2	WASHER, bolt (glass bowl)
	2091276-2	2	WASHER, bolt
9	0251365-3	6	SEAL (glass bowl)
	1018380-4	4	SEAL (aluminum bowl)
10	0252049-2	2	SEAL (glass bowl)
	2018379-4	4	SEAL
	0251977-5	2	SEAL (aluminum bowl)
11	0251397-6	2	ELEMENT, filter
12	0252051-8	2	BOWL, glass
	-----	2	BOWL, aluminum (Order BASE ASY. 1018409)
13	-----	2	BASE ASY.
14	0252052-6	2	PLUG, drain
15	0252053-4	2	WASHER, plug
16	0251308-3	1	PLUG, filter
	0251309-1	1	WASHER, plug
17	0251310-9	1	PLUG, filter, top
	0251014-7	1	WASHER, plug
18	1007682-6	1	PIPE ASY., filter to pump (Use w/1 ea. of 1005071, 1005072, 1005073, 1005074, 1005076 & 1005077)
	0251313-3	2	SLEEVE, pipe
	0251312-5	2	NUT, pipe
19	1010422-2	1	CONNECTOR, banjo
20	1007684-2	1	PIPE ASY., pump to filter return
	0251313-3	2	SLEEVE, pipe
	0251312-5	2	NUT, pipe
-	0251397-6	2	ELEMENT KIT (Incls. Items 10 & 11)
	-----	1	ELEMENT
	0251365-3	2	SEAL
	0252049-2	1	SEAL





FUEL FILTER ASY.





816 & 816B TRACTORS  
FUEL SYSTEM

FUEL FILTER ASY.

ITEM	NUMBER	QTY.	QTY.	DESCRIPTION
		*	**	
1	0257234-5	1	—	FILTER ASY., primary, fuel
2	0257236-0	—	1	FILTER ASY., secondary, fuel
3	0252047-6	1	1	BOLT, center
4	0252048-4	1	1	WASHER, bolt
5	0927927-4	1	1	SEAL
6	0251365-3	3	2	SEAL
7	-----	1	0	ELEMENT, filter
8	0252051-8	1	0	BOWL, glass
9	-----	1	0	BASE ASY.
10	-----	0	1	BASE ASY.
11	0252052-6	1	0	PLUG, drain
12	0252053-4	1	0	WASHER, plug
13	2091266-3	1	0	PLUG, vent
14	2091265-5	1	0	WASHER
—	0251397-6	1	1	ELEMENT KIT (Incls. Item 7, & 2 of Item 8)

\*Primary Fuel Filter

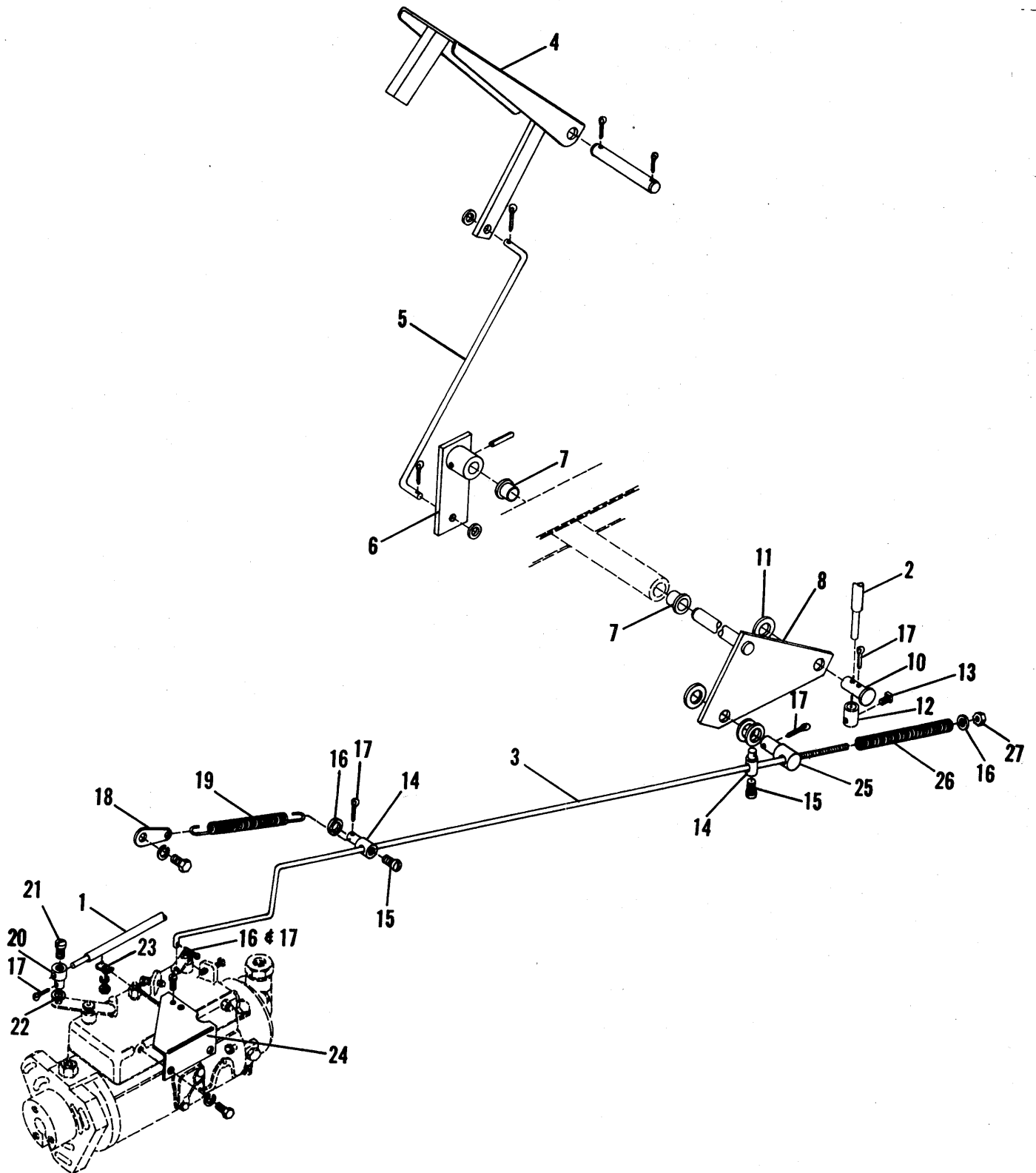
\*\*Secondary Fuel Filter

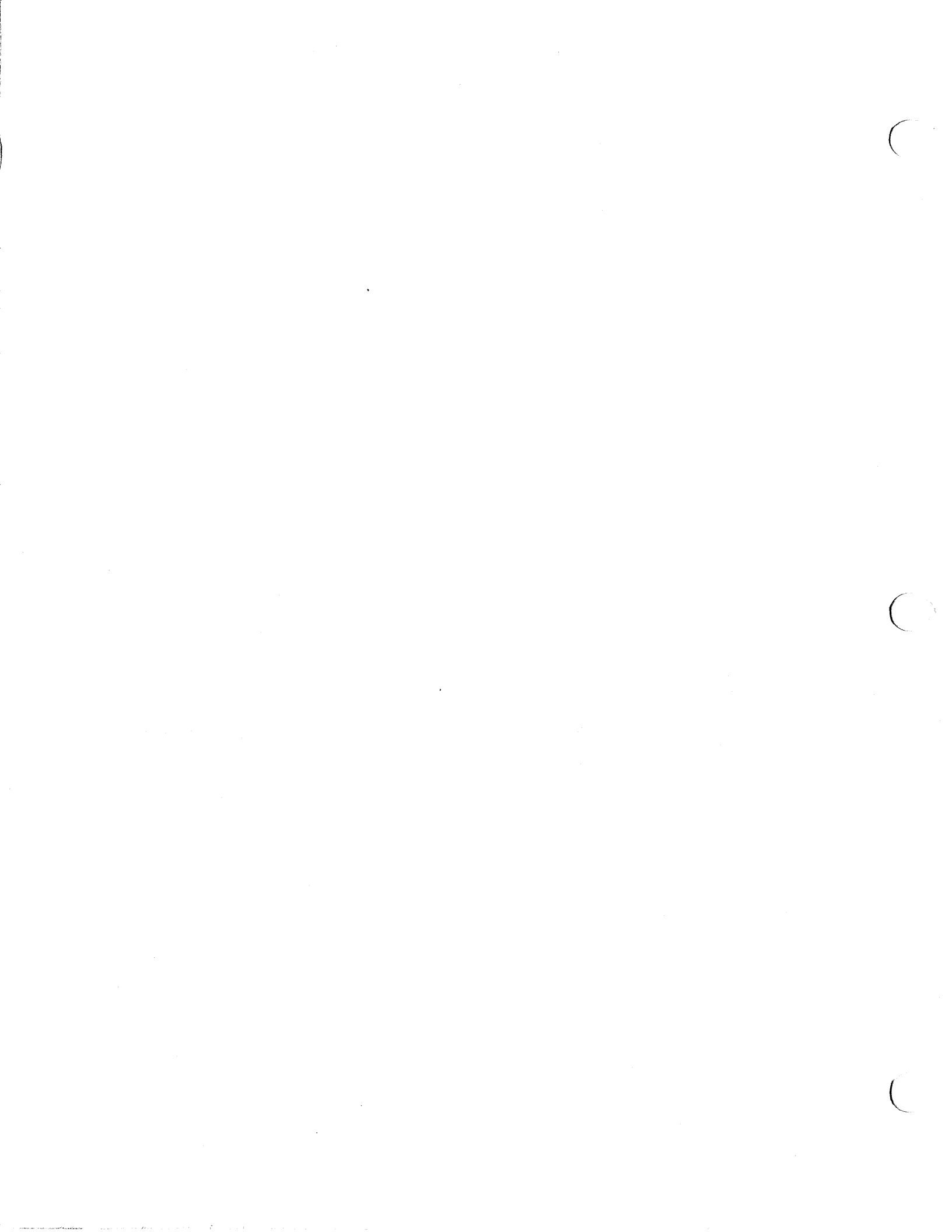
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FUEL CONTROLS – ENGINE

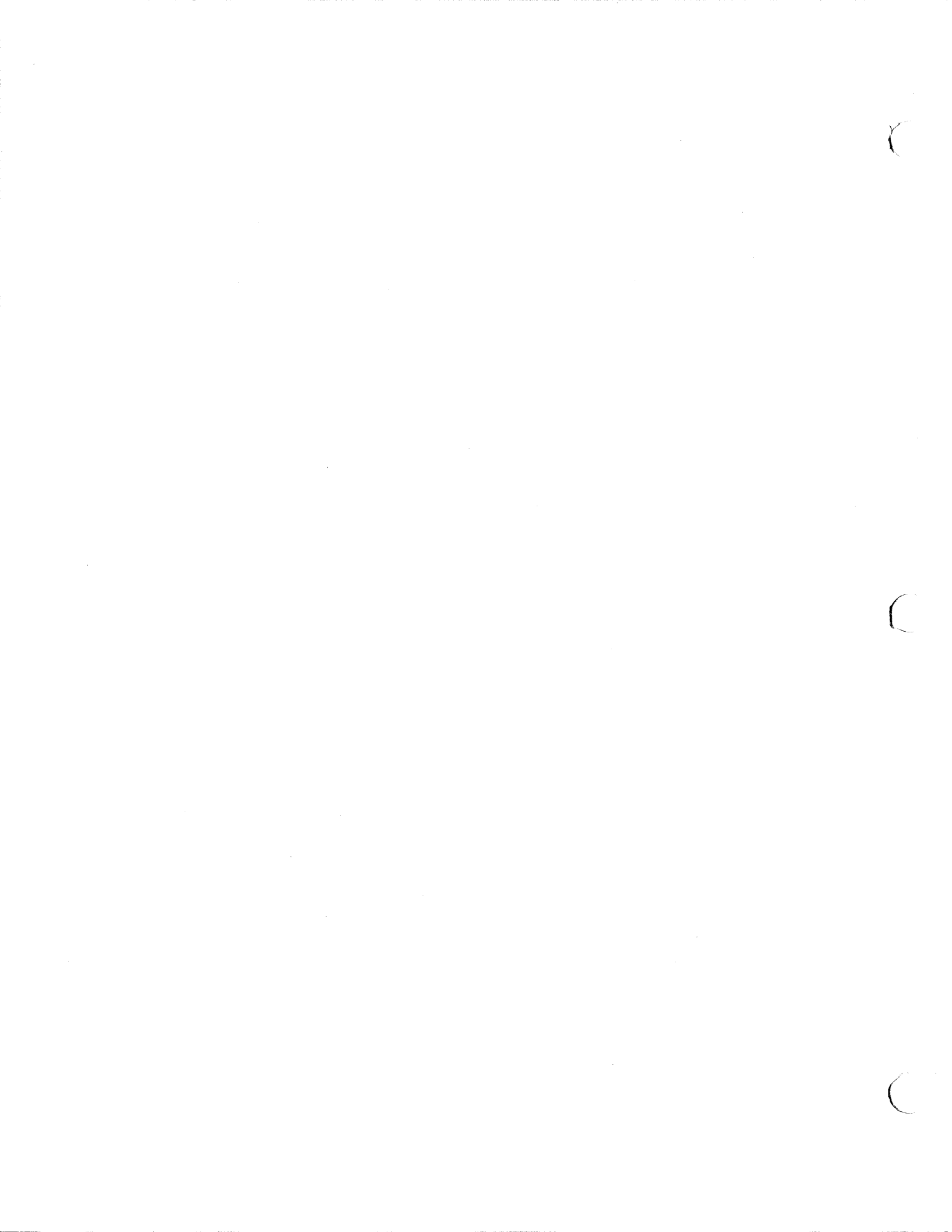




FUEL CONTROLS — ENGINE

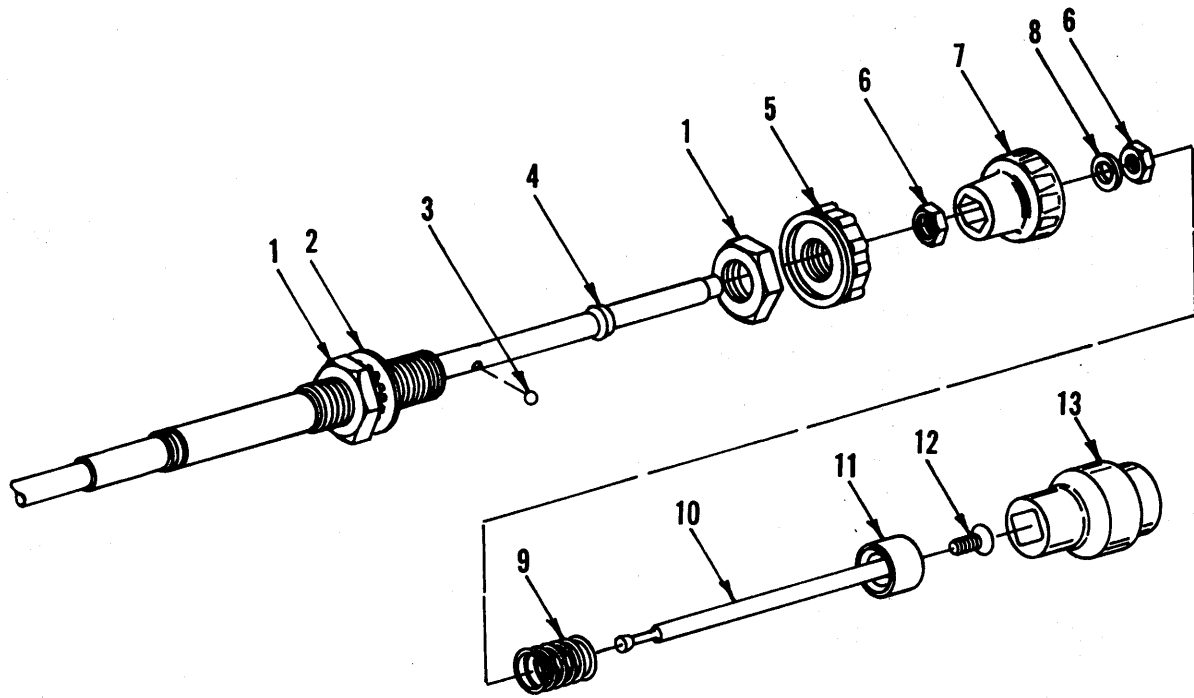
ITEM	NUMBER	QTY.	DESCRIPTION
1	-----	1	CABLE, fuel shut-off (Refer to FUEL SHUT-OFF CABLE for components)
2	-----	1	CABLE, throttle (Refer to THROTTLE CABLE for components)
3	1007130-6	1	ROD, throttle
4	1006422-8	1	PEDAL, foot accelerator
	3021696-4	1	PIN, pivot
	0923360-2	2	PIN, cotter
5	1006599-3	1	ROD, pedal to bellcrank
	0918264-3	2	WASHER
	0923360-2	2	PIN, cotter
6	1006363-4	1	LEVER
	0922945-1	1	PIN, spirol
7	0269529-4	2	BUSHING
8	1006423-6	1	BELLCRANK (Use 1 ea. of 253335, 253336, 918264, 919327, 920397, 1007130 & 1007179; use 2 of 916964)
	1007129-8	1	BELLCRANK
9	1006969-8	1	CABLE CLAMP & SHIM (Not shown)
	0916079-7	2	SCREW
	0917365-9	2	LOCKWASHER, No. 10
	0916621-6	2	NUT, No. 10NC
10	1006359-2	1	PIN, throttle cable
	0918448-2	1	PIN, cotter
11	0917379-0	1	WASHER
12	1006360-0	1	CLAMP, wire
13	0922636-6	1	SETSCREW
14	0229902-2	2	PIN
15	0922636-6	2	SETSCREW
16	0918264-3	4	WASHER (One used w/BELLCRANK 1007129)
17	0923360-2	5	PIN, cotter (One used w/BELLCRANK 1007129)
18	0251328-1	1	BRACKET
	0920623-6	1	CAPSCREW
	0917356-8	1	LOCKWASHER, 5/16
19	3014226-9	1	SPRING
20	1013510-1	1	PIN, cable clamp
21	0920241-7	1	SCREW
22	0910243-5	1	WASHER
23	4047137-7	1	CLIP
	0922698-6	1	SCREW
	0917395-6	1	LOCKWASHER, No. 8
	0917385-7	1	NUT, No. 8NC
24	0252444-5	1	BRACKET
	0920637-6	2	CAPSCREW
	0916964-0	2	LOCKWASHER, 1/4
25	0253336-2	1	PIN, pivot
	0916969-9	2	WASHER
	0919327-7	1	WASHER
26	0253335-4	1	SPRING
27	0920397-7	1	NUT, Esna



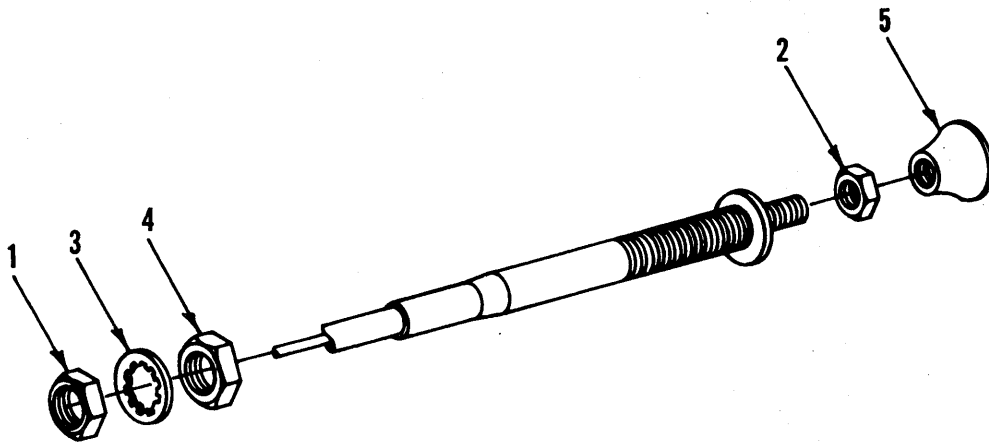


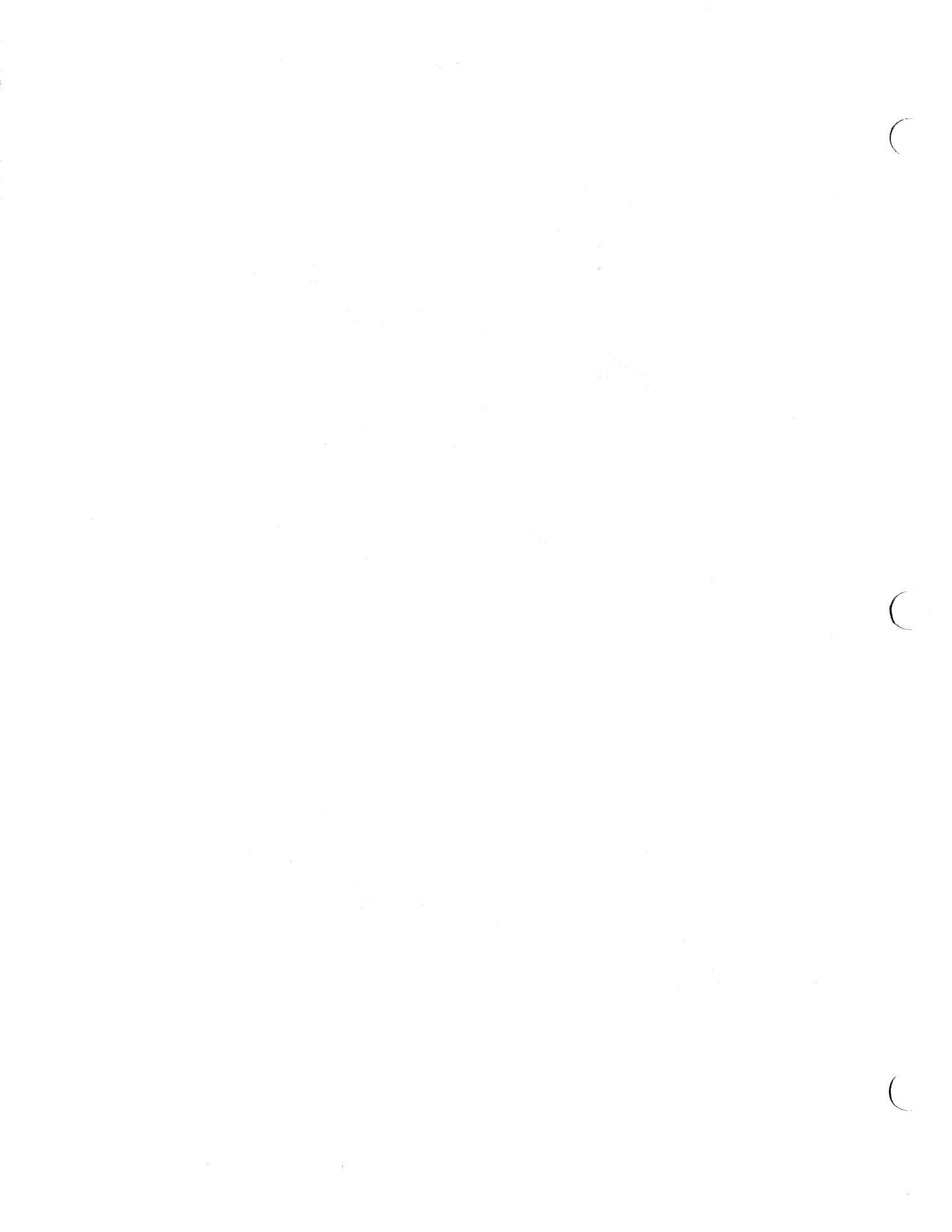
816 & 816B TRACTORS  
FUEL SYSTEM

CABLE ASY., THROTTLE



CABLE ASY., FUEL SHUT-OFF





816 & 816B TRACTORS  
FUEL SYSTEM

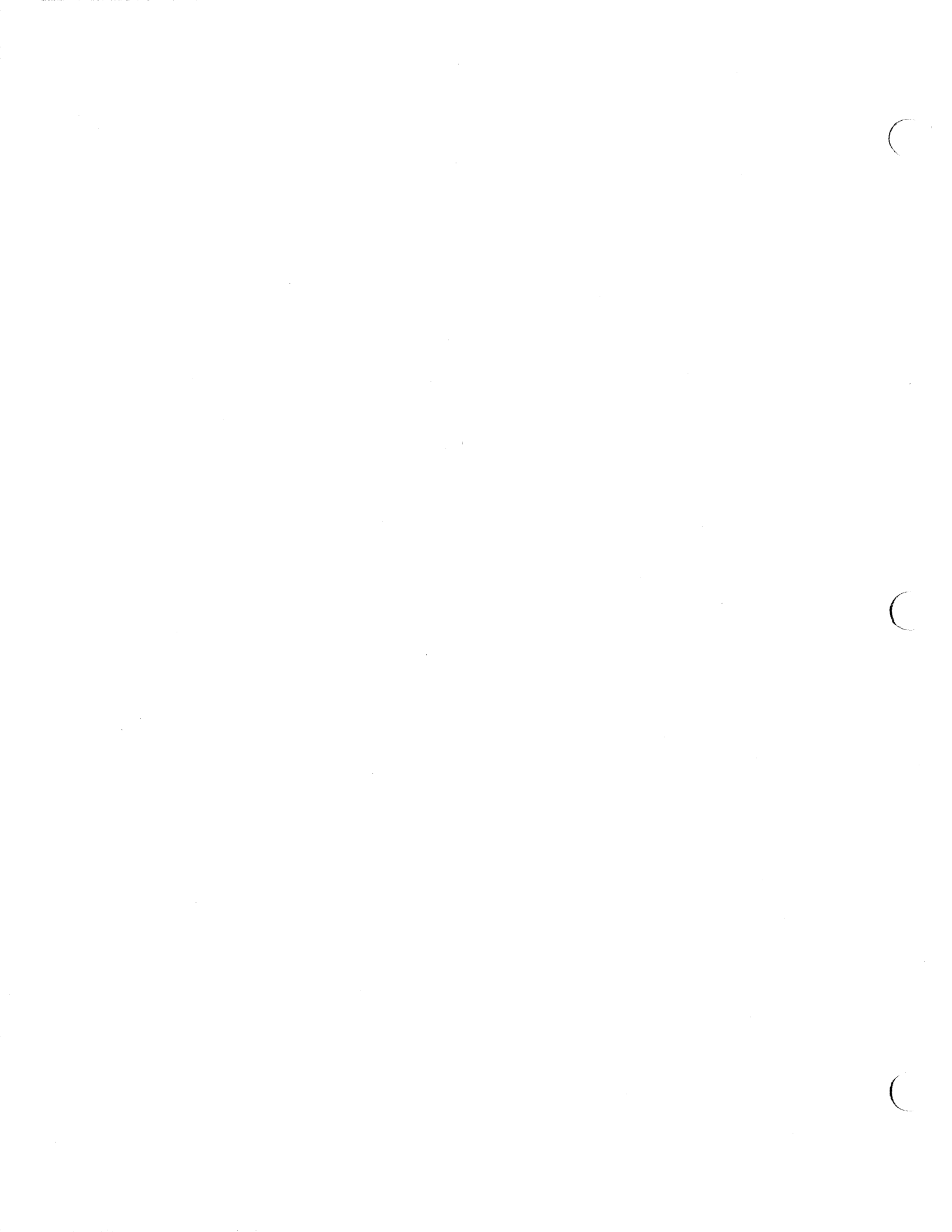
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CABLE ASY., THROTTLE

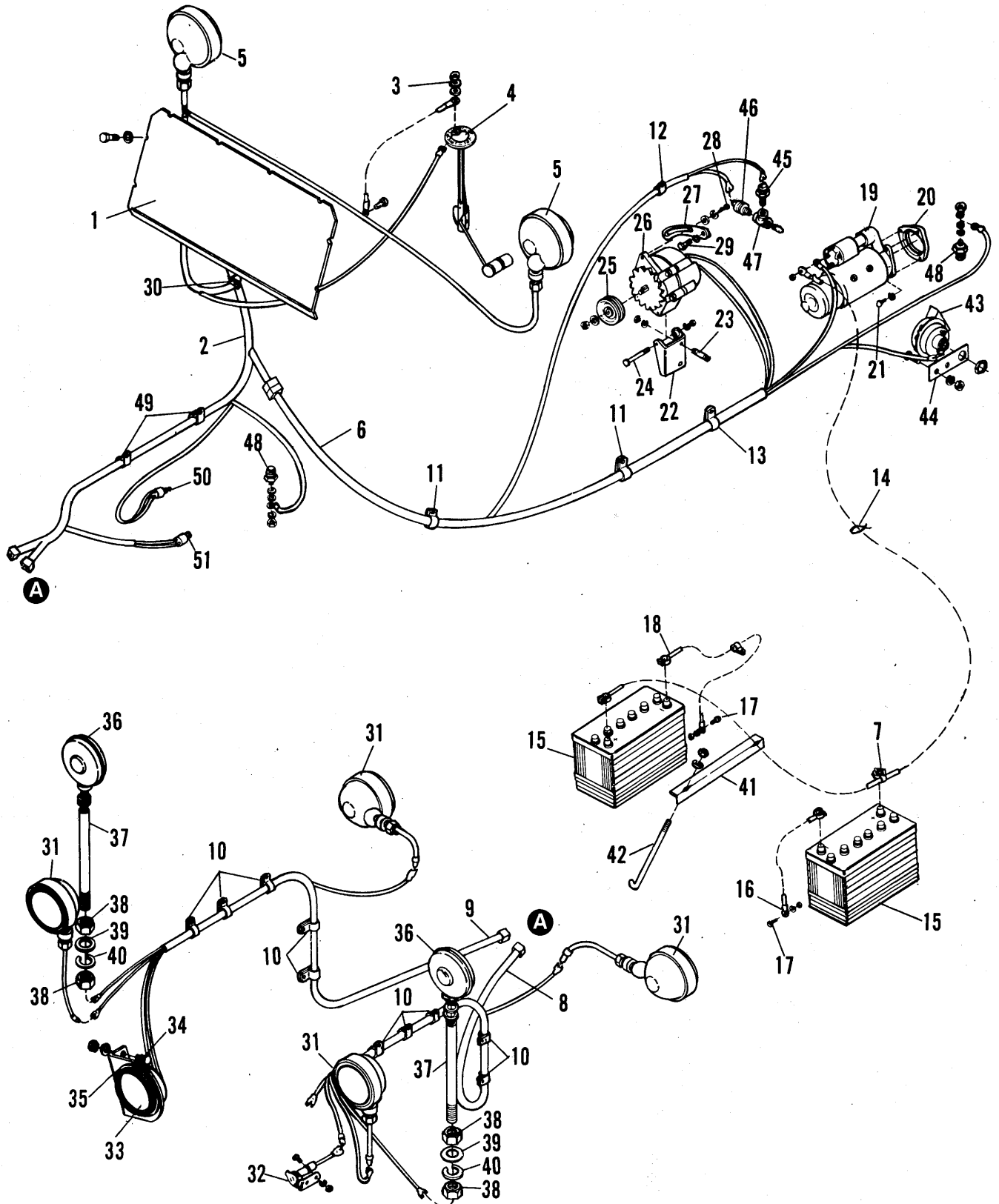
ITEM	NUMBER	QTY.	DESCRIPTION
—	1006238-8	1	CABLE, throttle
1	0922015-3	2	NUT, jam
2	0907621-7	1	LOCKWASHER
3	1007115-7	1	BALL
4	1007116-5	1	SLEEVE, seal
5	1007117-3	1	SEAL, tension nut
6	1007118-1	2	NUT, sleeve
7	1007119-9	1	KNOB, control
8	1007120-7	1	WASHER
9	1007121-5	1	SPRING, release
10	1007122-3	1	ROD, release
11	1007123-1	1	KNOB, release
12	1007124-9	1	SCREW, release knob
13	1007125-6	1	COVER, dust

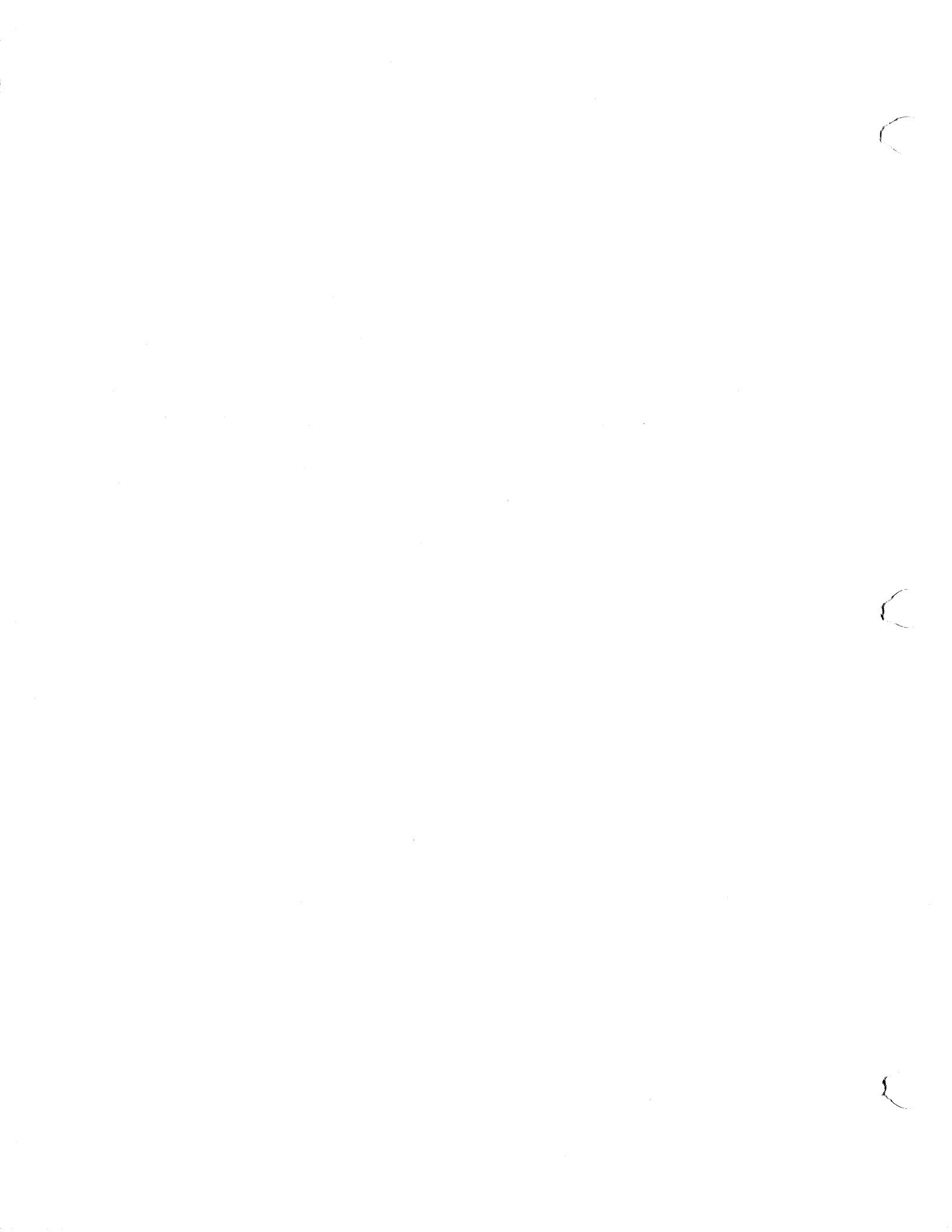
CABLE ASY., FUEL SHUT-OFF

ITEM	NUMBER	QTY.	DESCRIPTION
—	1007831-9	1	CABLE, fuel shut-off
1	0920435-5	1	NUT, jam
2	1005834-5	1	NUT
3	0916803-0	1	WASHER
4	0918403-7	1	NUT
5	1005833-7	1	KNOB



ELECTRICAL GROUP





816 & 816B TRACTORS  
ELECTRICAL & INSTRUMENTS

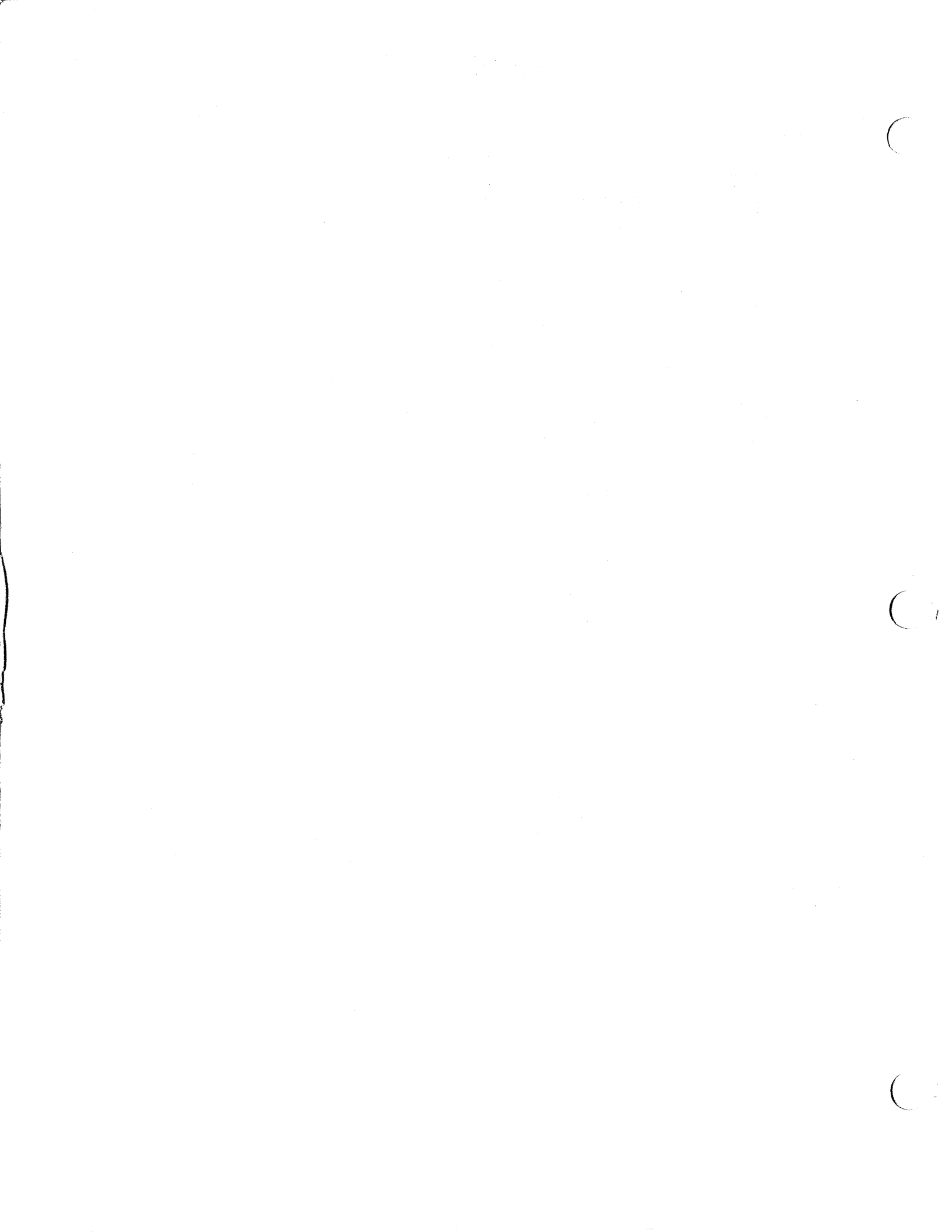
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ELECTRICAL GROUP

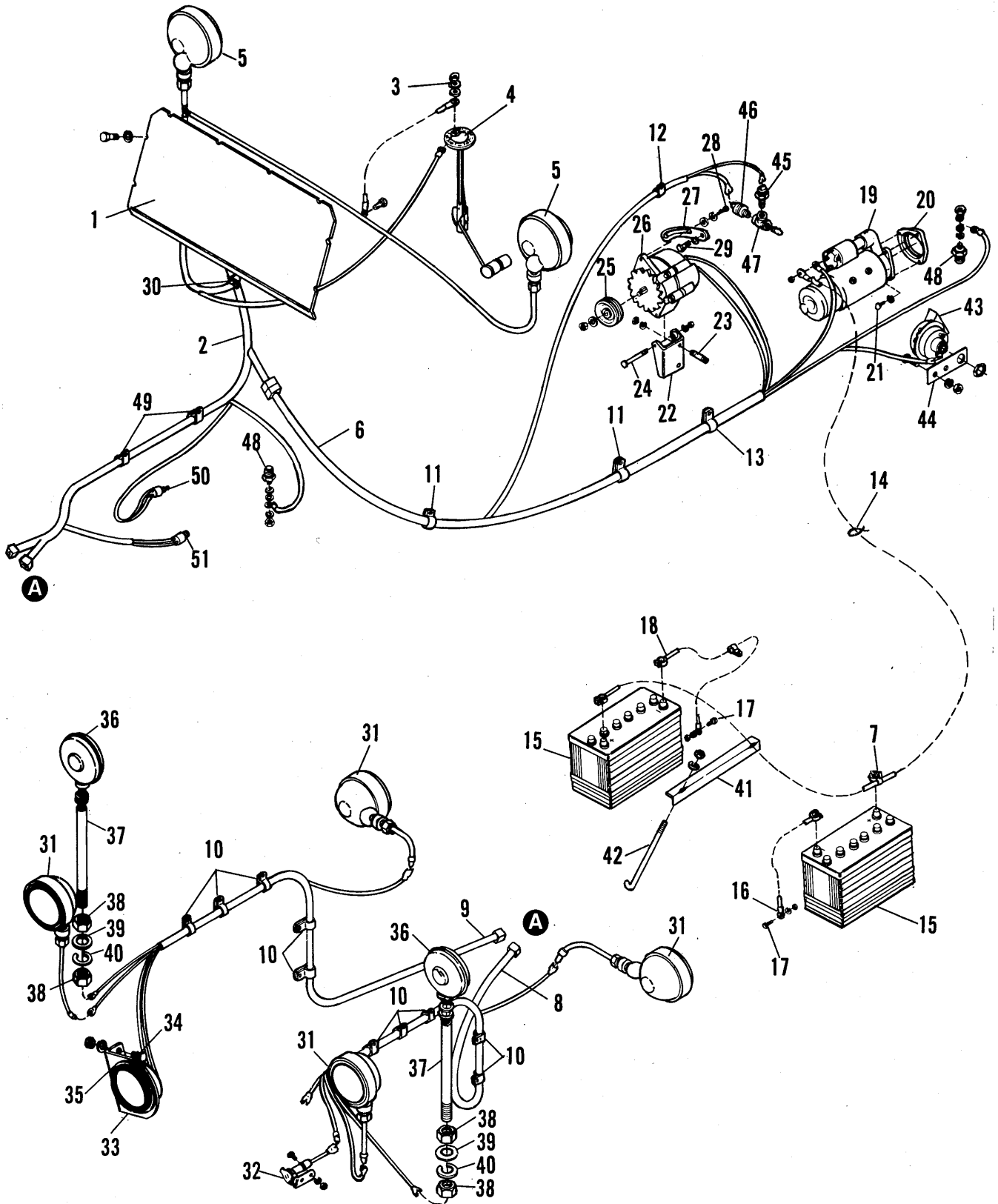
ITEM	NUMBER	QTY.	DESCRIPTION
1	-----	1	PANEL ASY., instrument (Refer to PANEL ASY. for components)
	0916079-7	11	SCREW
	0909055-6	11	LOCKWASHER, int. tooth, No. 10
2	1007248-6	1	WIRE HARNESS, instrument panel
3	1007022-5	1	WIRE, jumper, fuel tank ground
4	1006644-7	1	SENDING UNIT, fuel gauge
	0906938-6	1	WASHER, brass
	0916964-0	1	LOCKWASHER, 1/4
	0916880-8	1	NUT, brass
5	-----	2	ROAD LAMP (Refer to ROAD LAMP ASY.)
6	1007247-8	1	WIRE HARNESS, engine
7	1006397-2	1	CABLE, battery, battery to starter
8	1006402-0	1	WIRE HARNESS, wheel guard, R.H.
9	1006403-8	1	WIRE HARNESS, wheel guard, L.H.
10	0926921-8	10	CLAMP
	0921960-1	10	CAPSCREW
	0916964-0	10	LOCKWASHER, 1/4
	0916622-4	10	NUT, 1/4NC
11	0927155-2	2	CLAMP
	0921984-1	12	CAPSCREW
	0916965-7	12	LOCKWASHER, 3/8
12	0927156-0	1	CLAMP
13	0927155-2	1	CLAMP
	0920623-6	1	CAPSCREW
	0917356-8	1	LOCKWASHER, 5/16
14	0925094-5	1	TIE, self-locking
15	0243473-6	2	BATTERY
16	1006396-4	1	CABLE, battery ground, R.H.
17	0923341-2	3	CAPSCREW
	0916964-0	3	LOCKWASHER, 1/4
	0916622-4	3	NUT, 1/4NC
18	1006395-6	1	CABLE, battery ground, L.H.
19	-----	1	STARTER MOTOR (Refer to MOTOR ASY. for components)
20	1005037-5	1	SPACER, starter motor
21	0921971-8	3	CAPSCREW
	0916965-7	3	LOCKWASHER, 3/8
22	0251335-6	1	BRACKET, alternator mtg.
23	0251090-7	2	STUD
	0916965-7	2	LOCKWASHER, 3/8
	0916602-6	2	NUT, 3/8NF
24	0923938-5	1	CAPSCREW
	0916965-7	1	LOCKWASHER, 3/8
	0916950-9	1	NUT, 3/8NC
25	1004704-1	1	PULLEY, alternator
26	-----	1	ALTERNATOR (Refer to ALTERNATOR ASY. f/components)
27	0251336-4	1	LEVER, alternator
28	0921977-5	1	CAPSCREW
	0918265-0	1	WASHER
	0917356-8	1	LOCKWASHER, 5/16
29	0916382-5	1	CAPSCREW
	0916965-7	1	LOCKWASHER, 3/8
30	0926049-8	1	CLAMP
	0921210-1	1	CAPSCREW, 3/8NC x 1
	0916965-7	1	LOCKWASHER, 3/8
	0916950-9	1	NUT, 3/8NC

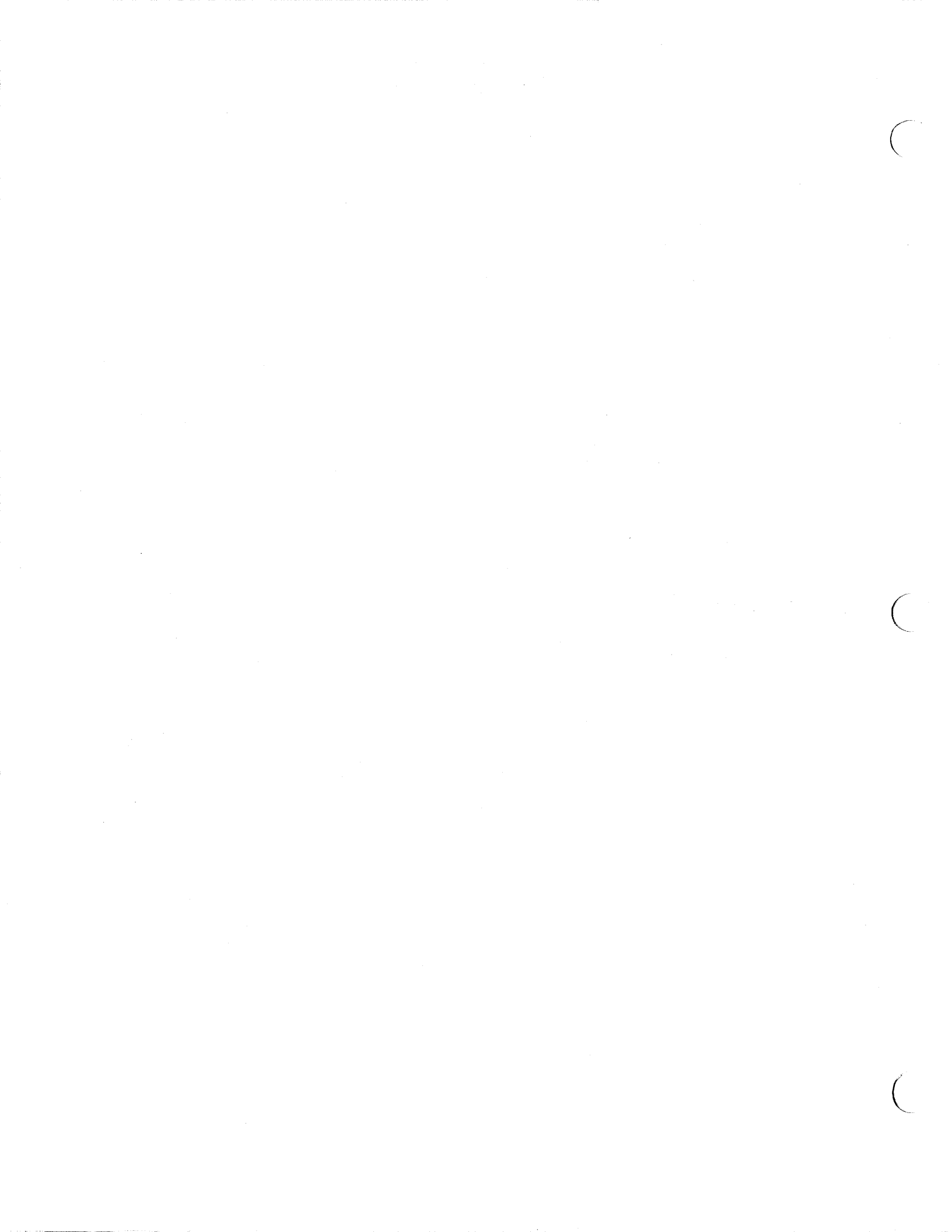
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ELECTRICAL GROUP





ELECTRICAL GROUP

ITEM	NUMBER	QTY.	DESCRIPTION
31	-----	4	FLOOD LAMP (Refer to LAMP ASY. for components)
32	0240436-6	1	AUXILIARY OUTLET
	0921960-1	2	CAPSCREW
	0916964-0	2	LOCKWASHER, 1/4
	0916622-4	2	NUT, 1/4NC
33	1006400-4	1	STOP LIGHT
34	0917443-4	3	SCREW
	0917395-6	3	LOCKWASHER, No. 8
	0917385-7	3	NUT, No. 8NC
35	1017921-6	1	BRACKET, mounting, stop light
	0921960-1	3	CAPSCREW
	0916964-0	3	LOCKWASHER, 1/4
	0916622-4	3	NUT, 1/4NC
36	-----	2	WARNING LIGHT (Refer to LIGHT ASY. for components)
	0248111-7	2	WASHER, rubber
	0917379-0	2	WASHER
37	1006646-2	2	SUPPORT, warning lamp
38	0913160-8	4	NUT, 3/4NC
39	0918269-2	2	WASHER
40	0919332-7	2	LOCKWASHER, 3/4
41	0249786-5	2	RETAINER, battery
42	0249788-1	4	ROD, battery retainer
	0918264-3	4	WASHER
	0920397-7	4	NUT
43	1015044-9	1	HORN
	1016965-4	1	BRACKET
	3042966-6	1	NUT, horn
44	1006625-6	1	BRACKET, horn mounting
	0921210-1	2	CAPSCREW, 3/8NC x 1
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
45	0240150-3	1	SWITCH, oil pressure light
46	0246171-3	1	SWITCH, hourmeter
47	0901702-1	1	TEE
48	4760149-7	2	SENDING UNIT, temperature
	0906938-6	2	WASHER, brass
	0916964-0	2	LOCKWASHER, 1/4
	0917365-9	2	LOCKWASHER, No. 10
	0916880-8	2	NUT, brass
49	0925617-3	2	CLAMP
	0921919-7	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
50	0248659-5	1	SWITCH, safety start
51	1005918-6	1	SWITCH, stop light
52	0901468-9	1	NIPPLE, pipe
53	1007863-2	1	WIRE, jumper
54	0921984-1	1	CAPSCREW, 3/8NF x 3/4
	0916803-0	1	LOCKWASHER, int. tooth, 3/8

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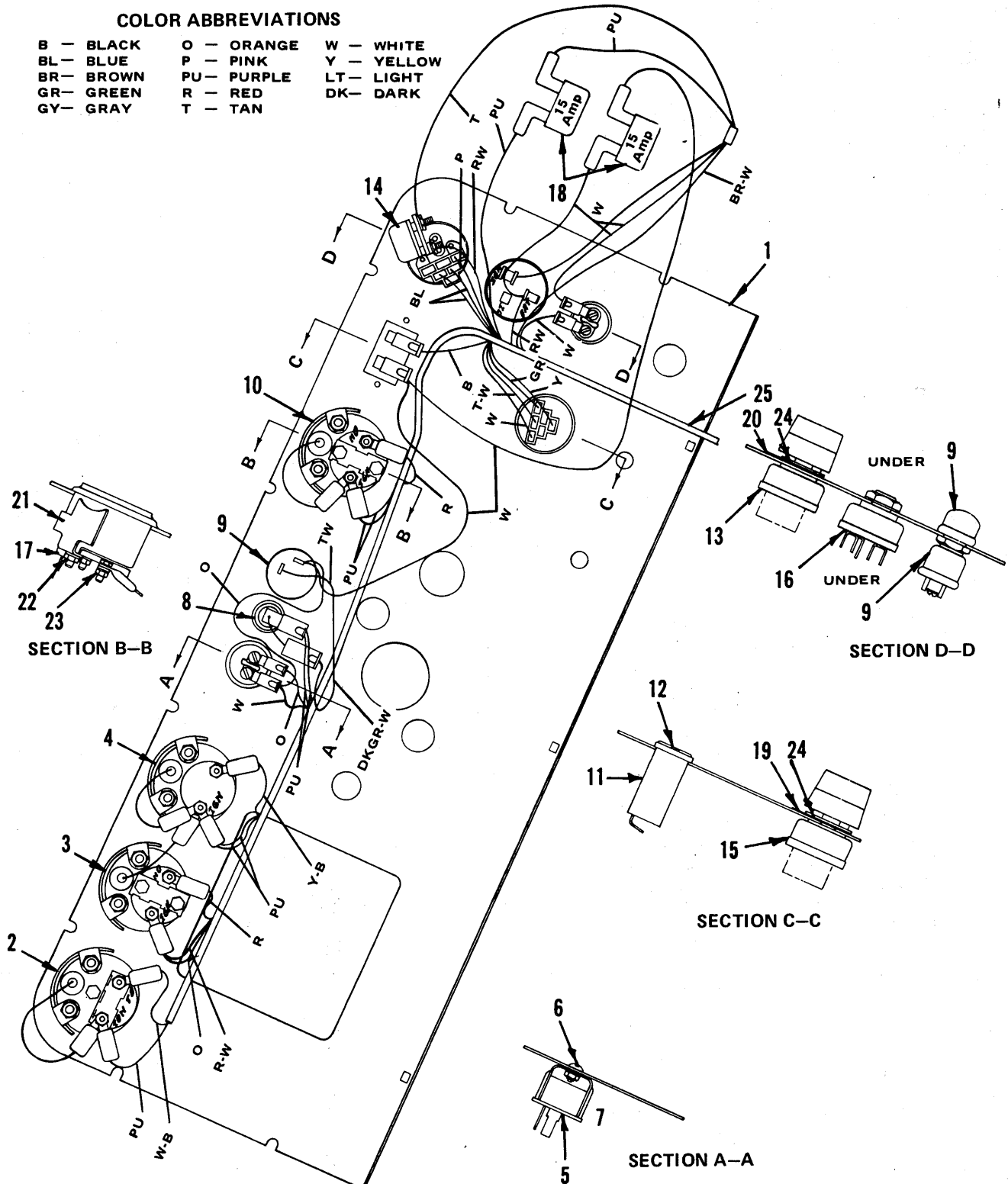
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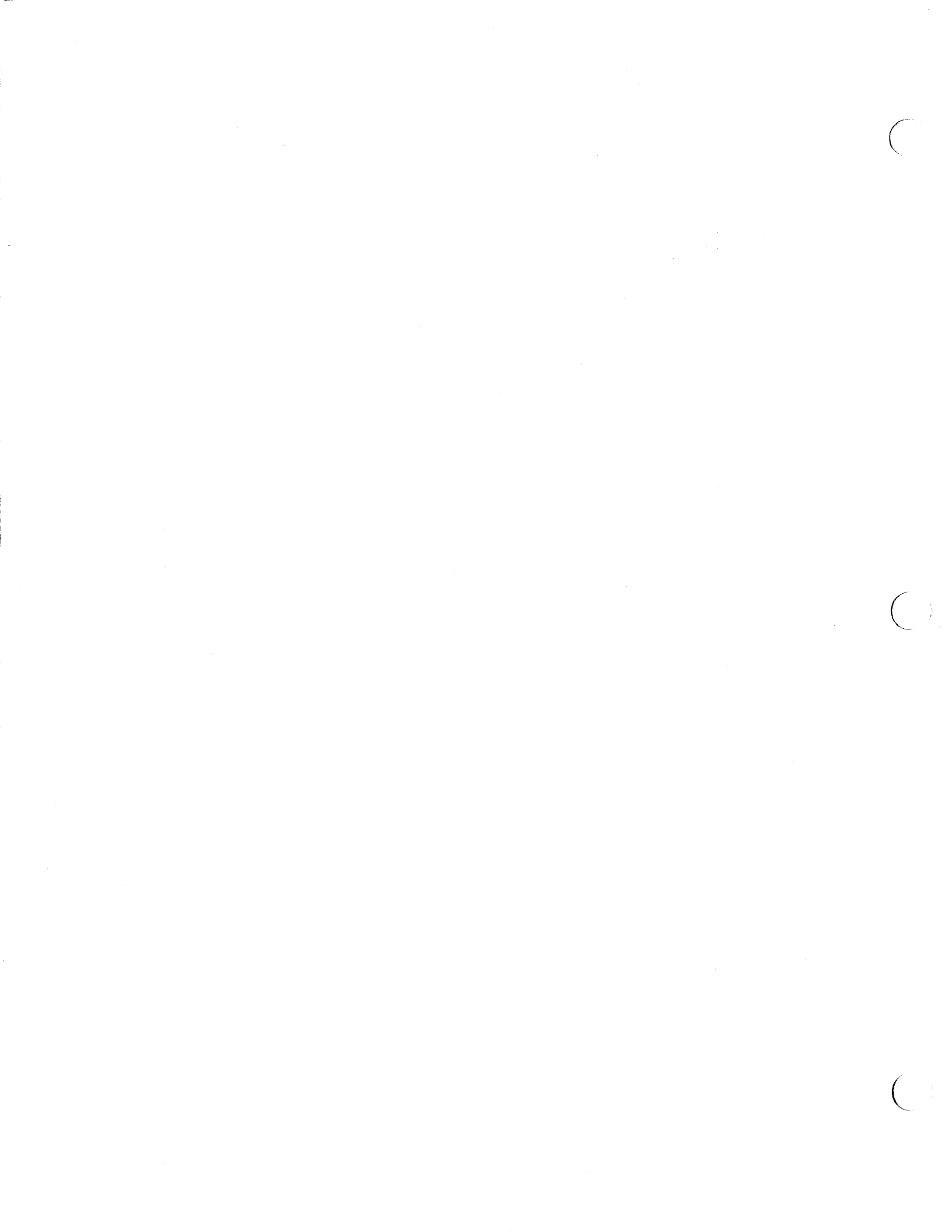
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INSTRUMENT PANEL

COLOR ABBREVIATIONS

B - BLACK	O - ORANGE	W - WHITE
BL - BLUE	P - PINK	Y - YELLOW
BR - BROWN	PU - PURPLE	LT - LIGHT
GR - GREEN	R - RED	DK - DARK
GY - GRAY	T - TAN	



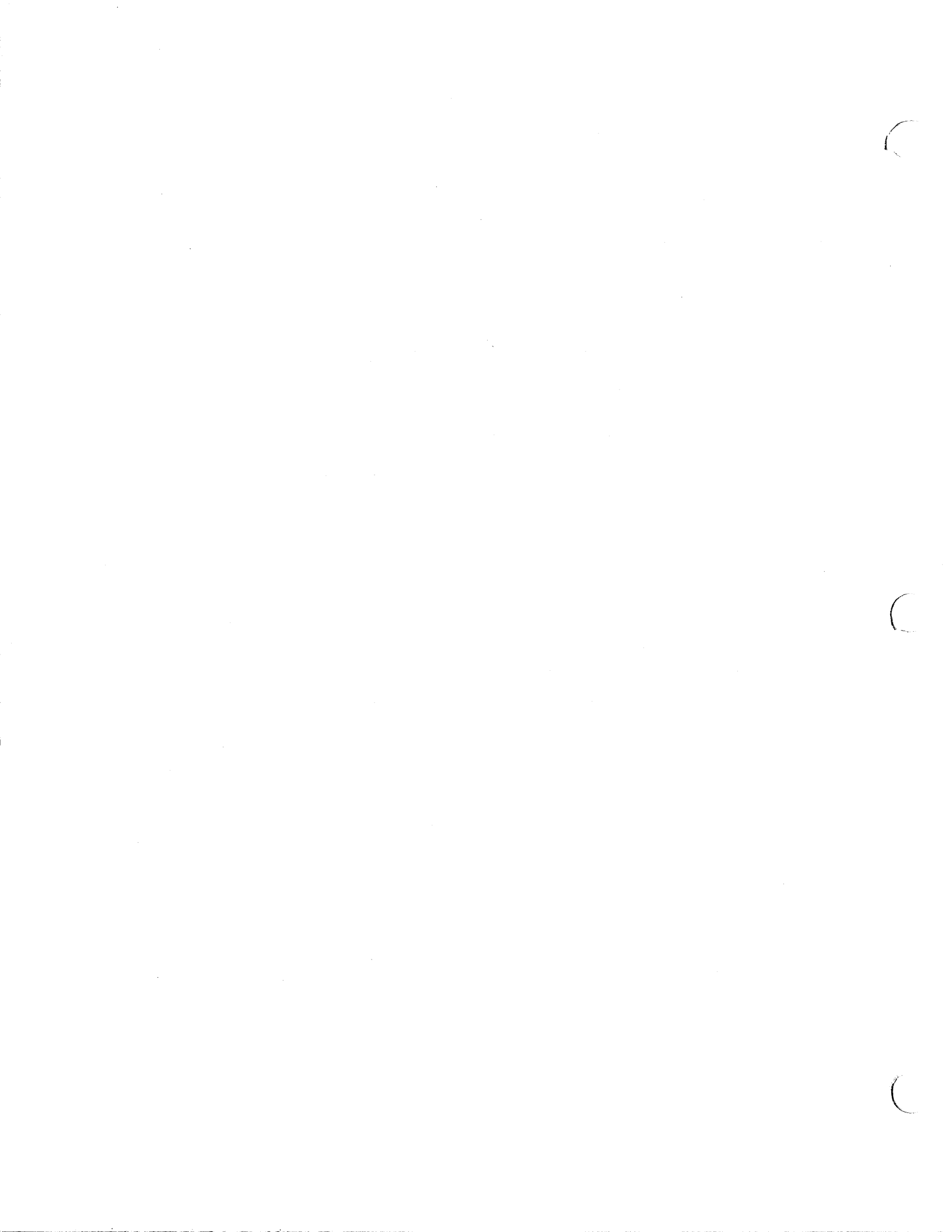


816 & 816B TRACTORS  
ELECTRICAL & INSTRUMENTS

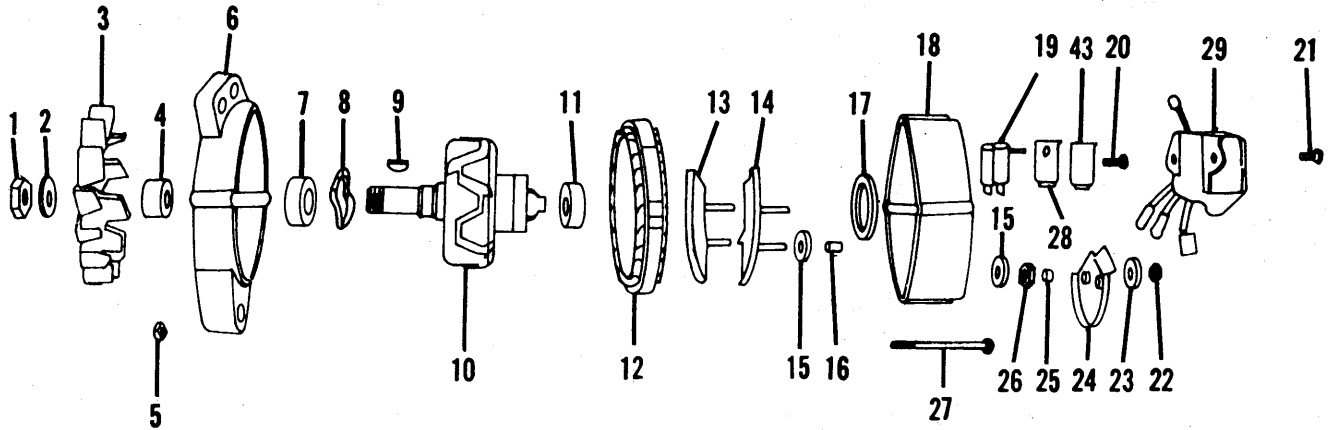
INSTRUMENT PANEL

ITEM	NUMBER	QTY.	DESCRIPTION
1	1007830-1	1	PANEL, instrument
2	4818261-2	1	GAUGE, fuel (Incl. 1 of Item 21, & 2 ea. of Items 22 & 23) (To SENDING UNIT 1006644)
3	4818263-8	1	AMMETER (Incl. 1 of Item 21, & 2 ea. of Items 22 & 23)
4	4818262-0	1	GAUGE, water temp. (Incl. 1 of Item 21, & 2 ea. of Items 22 & 23) (To SENDING UNIT 4760149)
5	0248109-1	1	FLASHER
6	0921058-4	1	SCREW
	0917365-9	1	LOCKWASHER, No. 10
	0916621-6	1	NUT, No. 10NC
7	0245562-4	1	BRACKET, flasher mounting
8	1006606-6	1	LIGHT, oil pressure
9	0253322-2	2	SWITCH ASY. (Incl. CAP & SWITCH)
	0253320-6	2	SWITCH, horn
	0253321-4	2	CAP
10	1003305-8	1	GAUGE, oil temp. (Incl. 1 of Item 21, & 2 ea. of Items 22 & 23) (To SENDING UNIT 4760149)
11	1004539-1	1	HOURMETER
12	0917436-8	2	SCREW
	0917459-0	2	LOCKWASHER
	0917479-8	2	NUT
13	1006604-1	1	LIGHT SWITCH (Incl. Item 14)
14	1006573-8	1	CIRCUIT BREAKER, 30 amp
	0917415-2	2	NUT
15	1006605-8	1	SWITCH, turn signal
16	0241965-3	1	SWITCH, key (Incl. KEY & NUT)
	0246282-8	1	NUT
	0241977-8	1	KEY
	0227195-5	1	WASHER
17	1003288-6	4	SOCKET, gauge light
	1003294-4	4	BULB, light
18	1006572-0	2	CIRCUIT BREAKER, 15 amp
19	1006607-4	1	INSTRUCTION PLATE, turn signal
20	1004634-0	1	INSTRUCTION PLATE, light switch
21	-----	4	CLAMP, instrument
22	0917415-2	8	NUT, No. 10NF
	0920240-9	8	LOCKWASHER, int.
23	0900996-0	8	NUT, brass
	0926321-1	8	WASHER, brass
	0917459-0	8	LOCKWASHER
24	0922088-0	2	WASHER
25	1007248-6	1	WIRE HARNESS, instrument panel

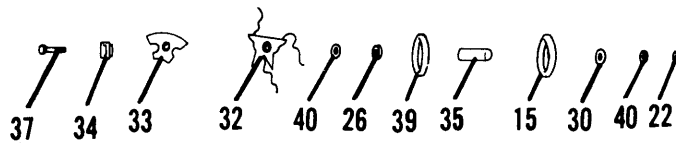
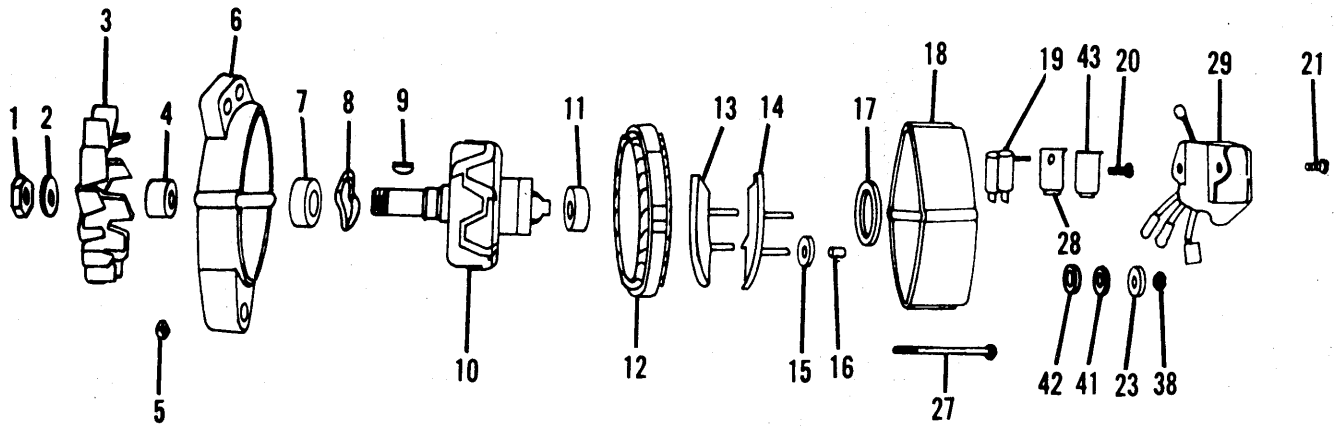


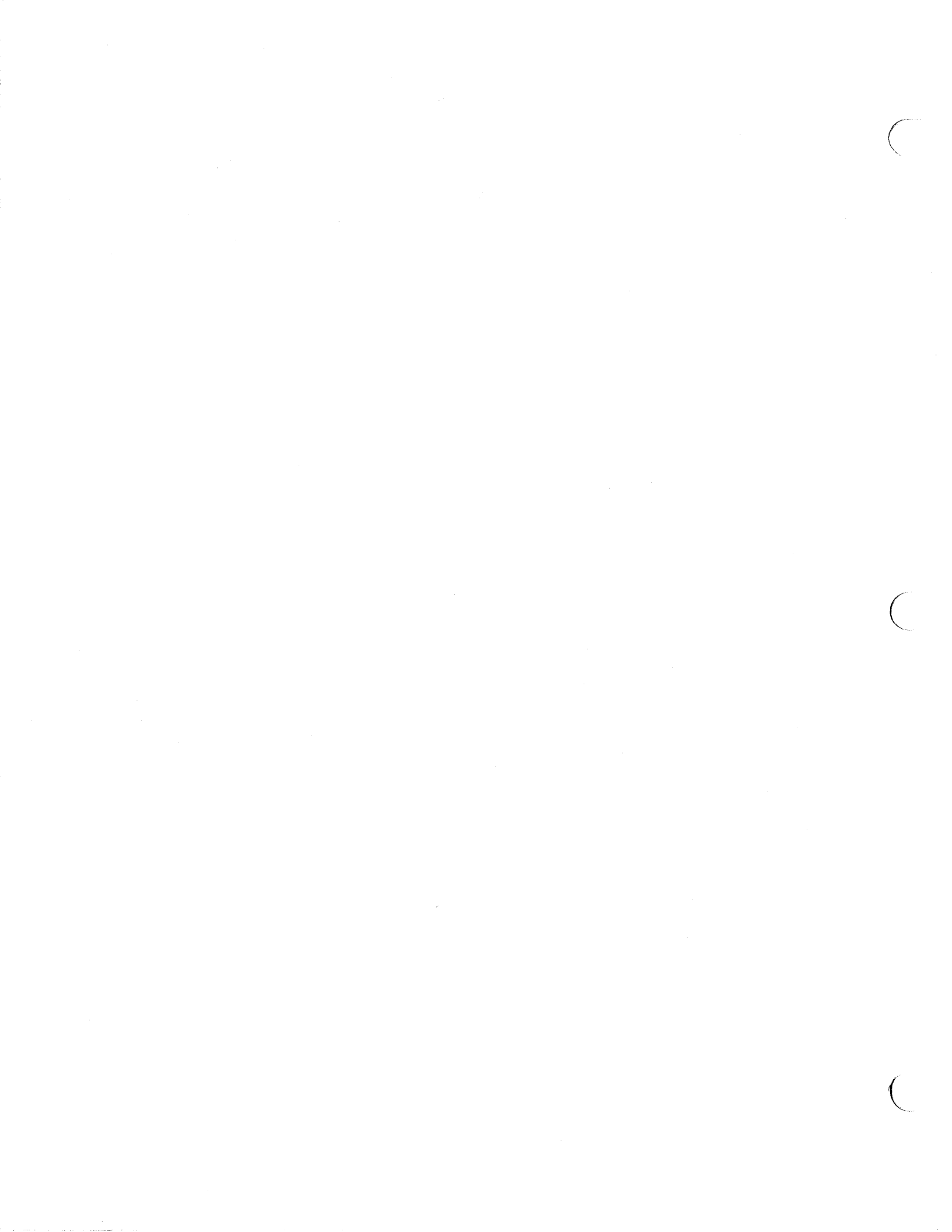


ALTERNATOR



ALTERNATOR 1004406-3





816 & 816B TRACTORS  
ELECTRICAL & INSTRUMENTS

93

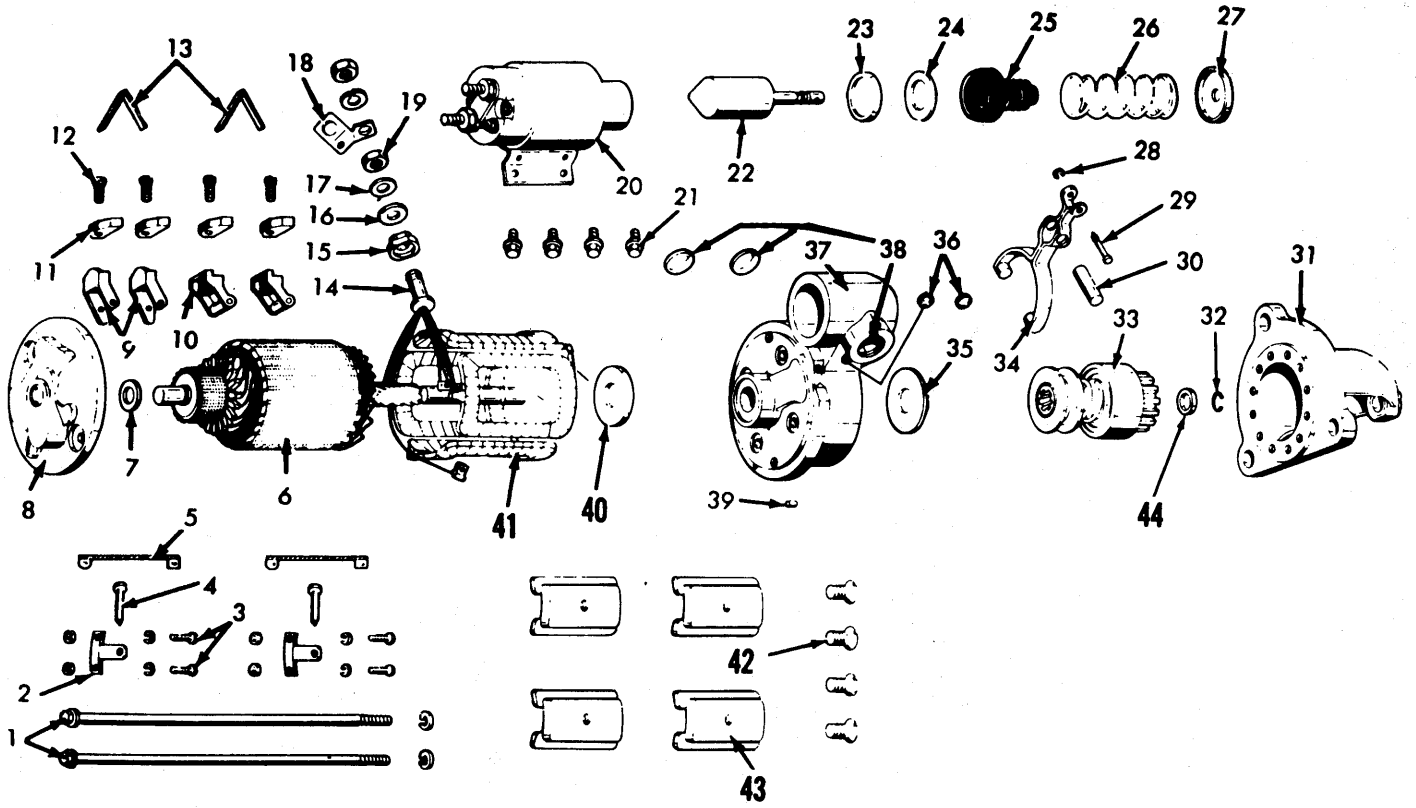
ALTERNATOR

ITEM	NUMBER	QTY.	QTY.	DESCRIPTION
		*	**	
--	-----	1	0	ALTERNATOR, Motorola #RA12NCDOD (Use 1007875 for assembly w/1 ea. of 1007863 WIRE, 916381 CAPSCREW, & 906960 LOCKWASHER)
--	1007875-6	0	1	ALTERNATOR, Motorola #8AR2021K
1	1005177-9	1	1	NUT, pulley mount
2	0917373-3	1	1	LOCKWASHER, 5/8
3	1005179-5	1	1	FAN
4	1005180-3	1	1	SPACER
5	1005181-1	4	4	NUT, spacer, No. 10
6	1005182-9	1	1	HOUSING, front
7	1005183-7	1	1	BEARING, sealed
8	1005184-5	1	1	RETAINER, front bearing
9	0918945-7	1	1	KEY, woodruff, No. 5
10	1005185-2	1	1	ROTOR ASY.
11	1005186-0	1	1	BEARING, sealed
12	1005187-8	1	1	STATOR ASY.
13	1005188-6	1	0	DIODE ASY., rectifying, negative
	1008451-5	0	1	DIODE ASY., rectifying, negative
14	1005189-4	1	0	DIODE ASY., rectifying, positive
	1008452-3	0	1	DIODE ASY., rectifying, positive
15	1005190-2	5	3	WASHER, insulating
16	1005191-0	2	0	INSULATOR, sleeve, 19/32 long
	1008457-2	0	1	INSULATOR, sleeve, 1/4 long
17	1005192-8	1	1	RETAINER, bearing, rear
18	1005193-6	1	0	HOUSING, rear
	1008449-9	0	1	HOUSING, rear
19	1005194-4	1	1	BRUSH ASY. & COVER
20	1005195-1	2	2	SCREW, tapping, No. 8 x 1/2
21	1005196-9	3	3	SCREW, tapping, No. 10 x 1/2
22	1005197-7	6	3	LOCKNUT, No. 10 x 3/8
23	1005198-5	1	0	WASHER, insulating, 13/64 x 1/2
	0916964-0	0	1	LOCKWASHER, 1/4
24	1005199-3	1	0	DIODE ASY., isolation, single
25	1005200-9	1	0	INSULATOR, sleeve, 3/32 long
26	1005201-7	2	3	NUT, No. 10 x 3/8
27	4999516-0	4	4	BOLT, mach., No. 10 x 2-55/64
28	1005203-3	1	0	SHIELD, brush asy.
	1008454-9	0	1	SHIELD, brush asy.
29	1005204-1	1	0	REGULATOR, voltage
	1008460-6	0	1	REGULATOR, voltage
30	1005359-3	1	1	WASHER, flat
31	1005358-5	1	0	TAP KIT (Not shown)
32	1008450-7	0	1	DIODE, field
33	1008455-6	0	8	INSULATOR, field diode
34	1008456-4	0	1	INSULATOR, square
35	1008458-0	0	1	INSULATOR, sleeve, No. 10
36	1008459-8	0	1	INSULATOR, sleeve, No. 10 (Not shown)
37	1008461-4	0	2	BOLT, cge.
38	0916622-4	0	1	NUT, 1/4NC
39	1005198-5	0	1	WASHER, insulating, No. 10 x 1/2
40	0917365-9	0	3	WASHER, split
41	1008640-3	0	1	WASHER, flat (Not shown)
42	1008641-1	0	2	WASHER, insulator (Not shown)
43	-----	0	1	COVER, brush holder (Use Item 19)

\*Motorola #RA12NGDOD

\*\*Motorola #8AR2021K

STARTING MOTOR KIT

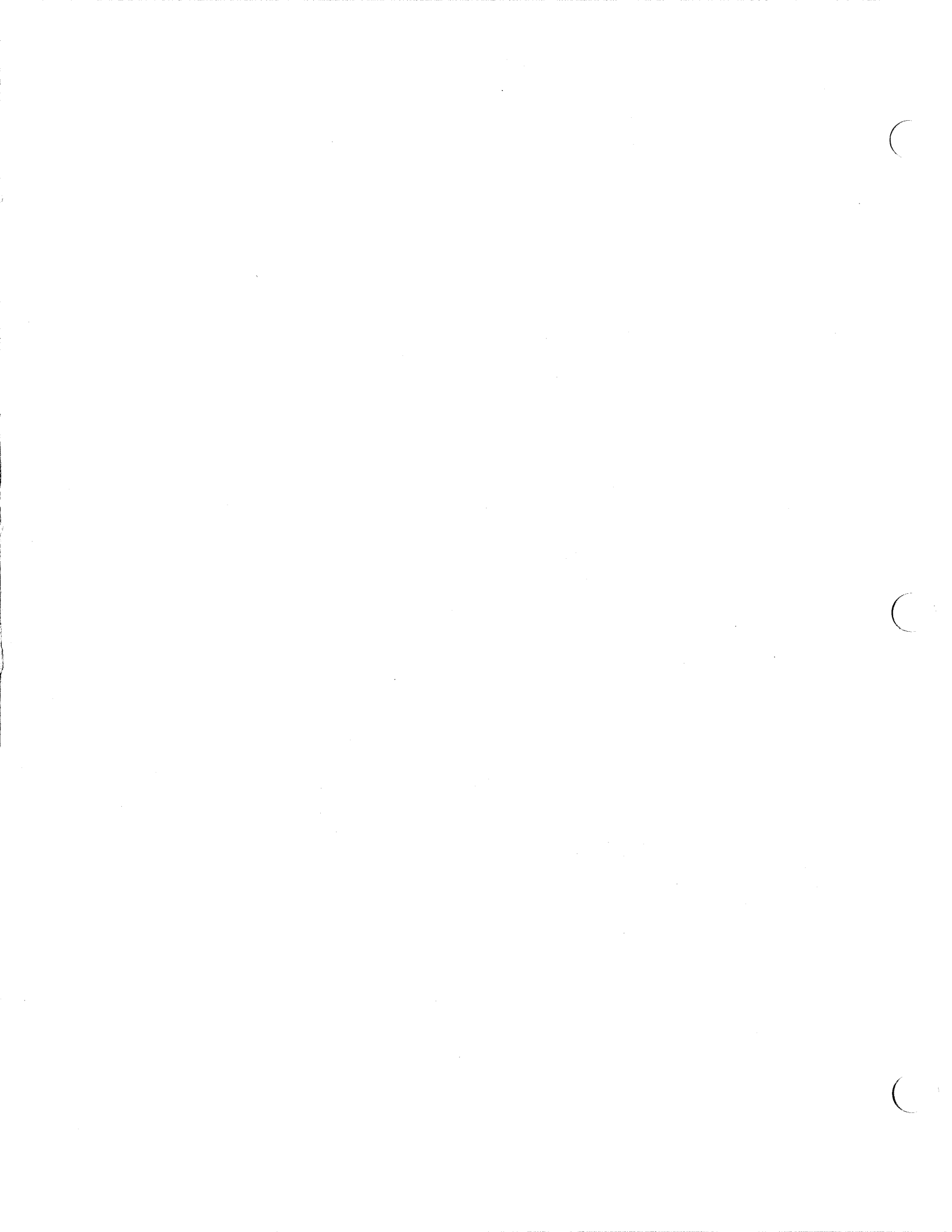


816 & 816B TRACTORS  
ELECTRICAL & INSTRUMENTS

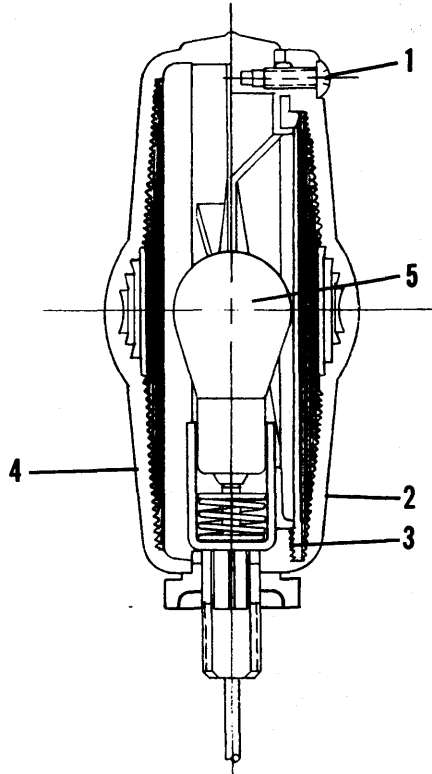
95

STARTING MOTOR KIT

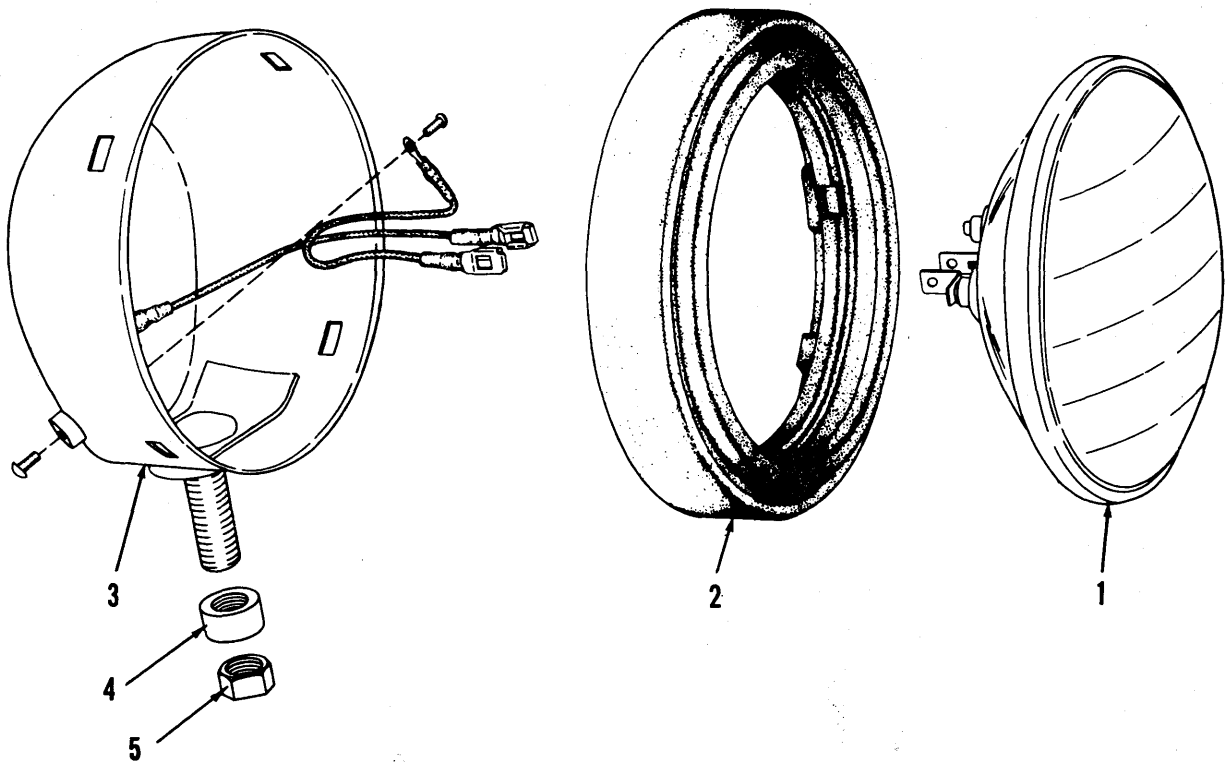
ITEM	NUMBER	QTY.	DESCRIPTION
—	1004405-5	1	MOTOR ASY., Delco-Remy #1113653 (Incl. Items 1 thru 44)
1	0243837-2	2	BOLT, thru
	0917356-8	2	LOCKWASHER, 5/16
2	0236340-6	1	SUPPORT ASY., brush (Service kit) (Incl. Items 3 thru 5, & PIN)
	0236343-0	1	PIN
3	0236342-2	2	SCREW, support
	0917365-9	2	LOCKWASHER, No. 10
	0916621-6	2	NUT, No. 10NC
4	0914007-0	2	RIVET, support
5	0236341-4	2	WIRE
6	0243807-5	1	ARMATURE
7	4055869-4	1	WASHER, spacer
8	0236333-1	1	FRAME ASY., commutator end (Incl. following 4 Items)
	4047348-0	1	BUSHING
	4050068-8	1	PLUG, pipe
	0231246-0	1	PLUG, end
	0241335-9	1	WICK
9	4999079-9	2	HOLDER, brush, ground
10	0236337-2	2	HOLDER, brush, insulated
11	0236335-6	4	BRUSH
12	4997165-8	4	SCREW, brush
13	0236336-4	4	SPRING, brush
14	0236332-3	1	STUD, terminal
	0916965-7	1	LOCKWASHER, 3/8
	0917421-0	1	NUT, 3/8NC
15	0231339-3	1	BUSHING, terminal stud
16	0231269-2	1	WASHER, terminal stud
17	4042646-2	1	WASHER, plain
18	0243834-9	1	CONNECTOR, switch
19	0922131-8	1	NUT, terminal stud
20	0243828-1	1	SWITCH ASY., solenoid
21	4055567-4	4	SCREW, switch mounting
22	0243829-9	1	PLUNGER ASY.
23	0268365-4	1	RETAINER, spring
24	0243830-7	1	WASHER, spring retainer
25	0241350-8	1	BOOT
26	0649665-7	1	SPRING
27	0241346-6	1	RETAINER, spring
28	0243832-3	1	RETAINER, pin
29	0243831-5	1	PIN, lever
30	0243827-3	1	SHAFT, lever
31	1004749-6	1	HOUSING ASY., drive (Incl. following 3 Items)
	0234847-2	1	BUSHING
	0241335-9	1	WICK
	4050068-8	1	PLUG, pipe
32	0231329-4	1	RING, retainer, pinion stop
33	1015412-8	1	DRIVE ASY., motor
34	0243826-5	1	LEVER ASY., shift
35	0231260-1	1	WASHER, brake
36	0910001-7	2	PLUG, expansion
37	0243813-3	1	HOUSING, lever (Incl. Items 36 & 38 & following 3 Items)
	0243814-1	1	BUSHING
	0237005-4	1	WICK
	0243817-4	1	PLUG, pipe
38	0917278-4	2	PLUG, expansion
39	0231240-3	1	DOWEL, drive housing
40	1169098-9	1	WASHER
41	0243811-7	1	COIL ASY., field (Incl. Item 14)
	0231299-9	1	INSULATION, field coil
42	0231265-0	8	SCREW, pole shoe
43	0241297-1	4	SHOE, pole
44	0231328-6	1	COLLAR, pinion stop
—	0243833-1	1	RING, snap (Not shown)



LAMP ASY., WARNING



LAMP ASY., ROAD LIGHT





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816 & 816B TRACTORS  
ELECTRICAL & INSTRUMENTS

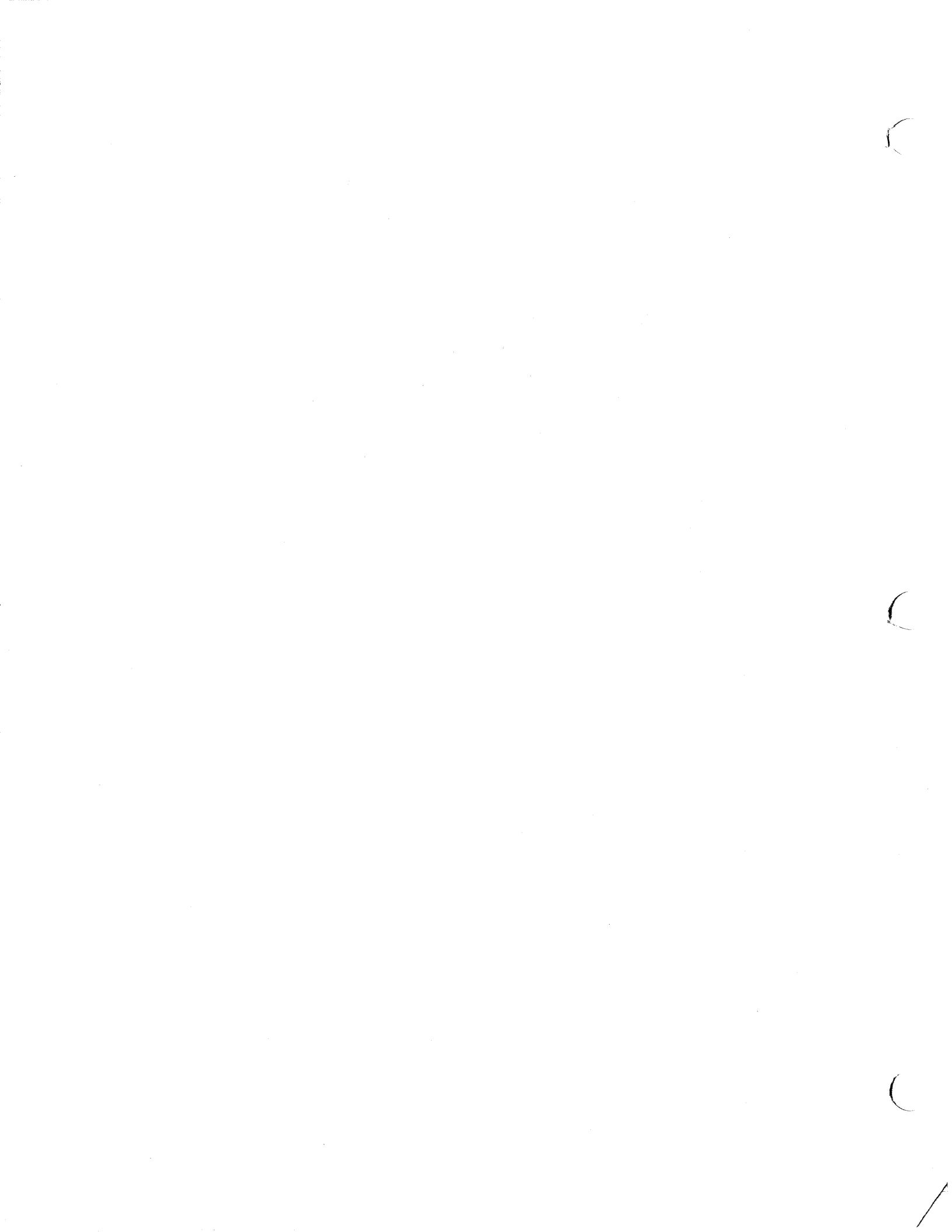
97

LAMP ASY., WARNING

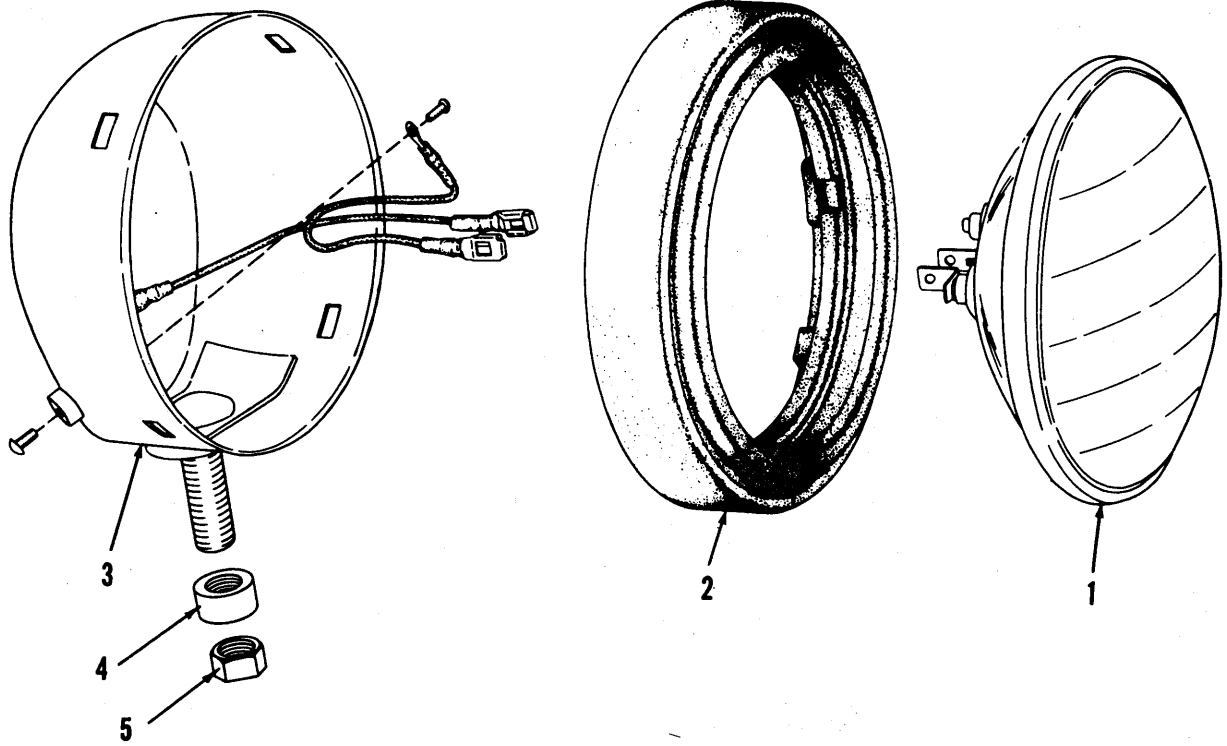
ITEM	NUMBER	QTY.	DESCRIPTION
—	1006649-6	1	LAMP ASY., warning
1	-----	3	SCREW
2	-----	1	LENS, amber
3	-----	1	GASKET
4	-----	1	BODY ASY.
5	-----	1	BULB

LAMP ASY., ROAD LIGHT

ITEM	NUMBER	QTY.	DESCRIPTION
—	1006399-8	1	LAMP ASY., road light
1	3020947-2	1	LAMP
2	3037092-8	1	RETAINER (Order LAMP ASY. 1006399)
3	1006991-2	1	SHELL ASY. (Order LAMP ASY. 1006399)
4	1006992-0	1	BUSHING, pivot
5	0919440-8	1	NUT



LAMP ASY., FLOOD LIGHT



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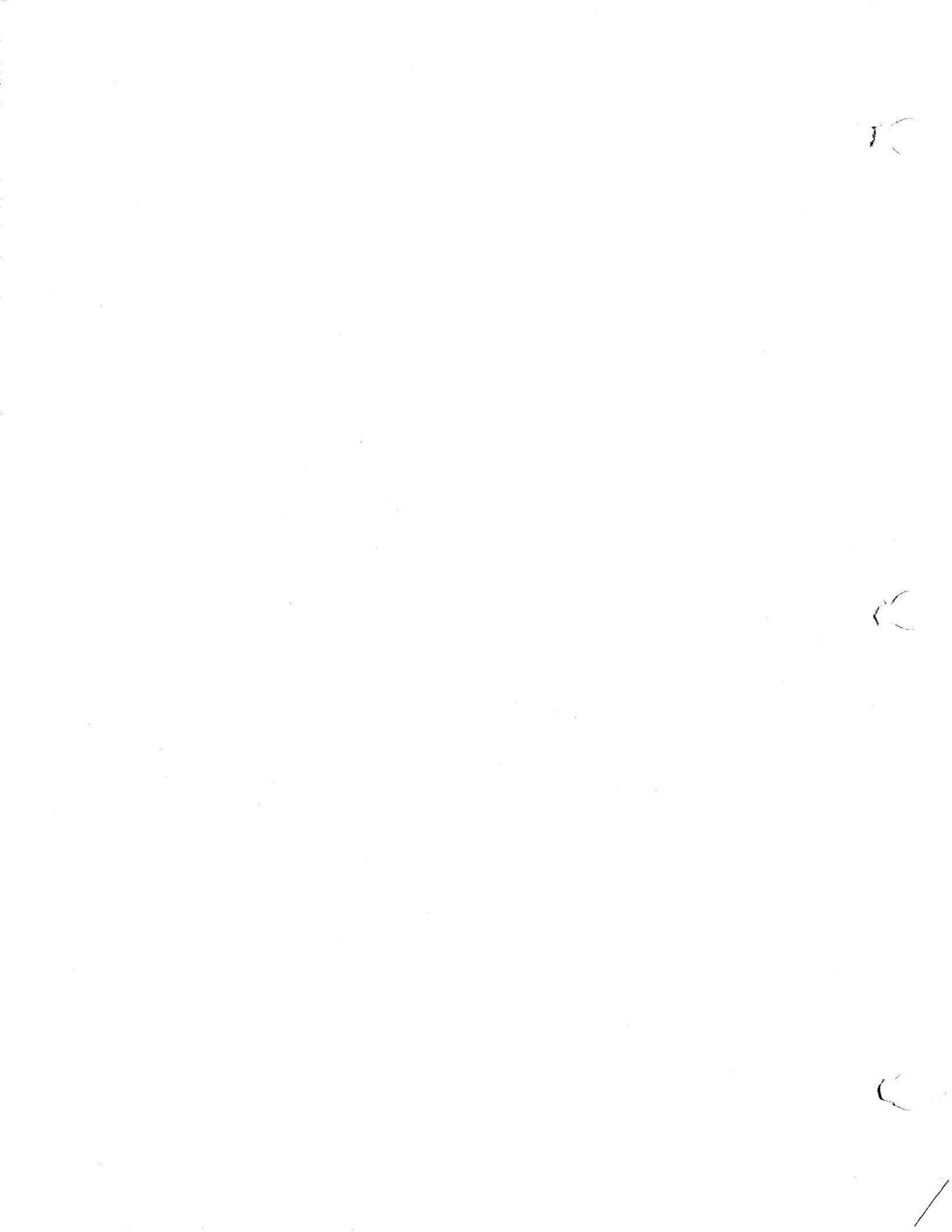
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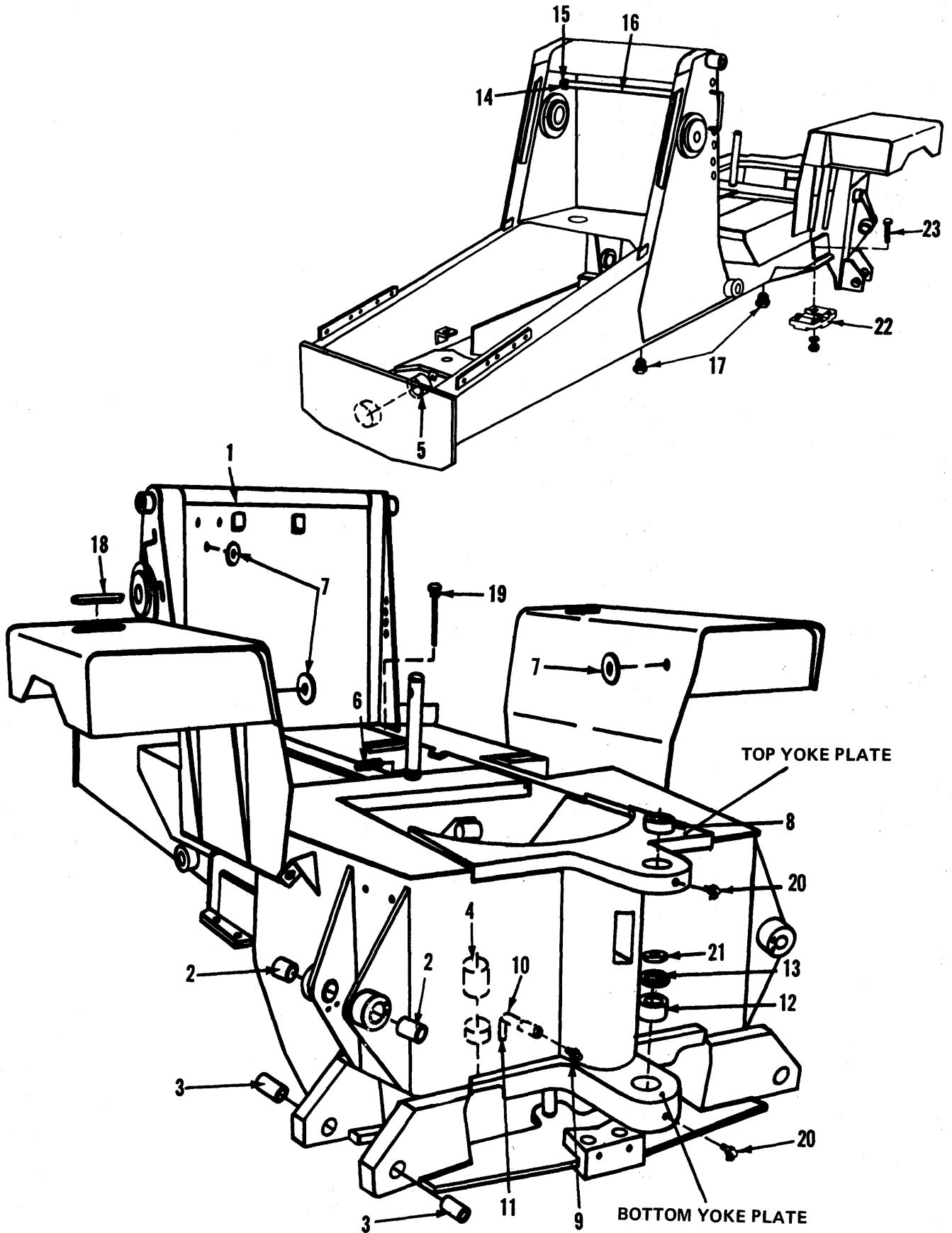
816 & 816B TRACTORS  
ELECTRICAL & INSTRUMENTS

LAMP ASY., FLOOD LIGHT

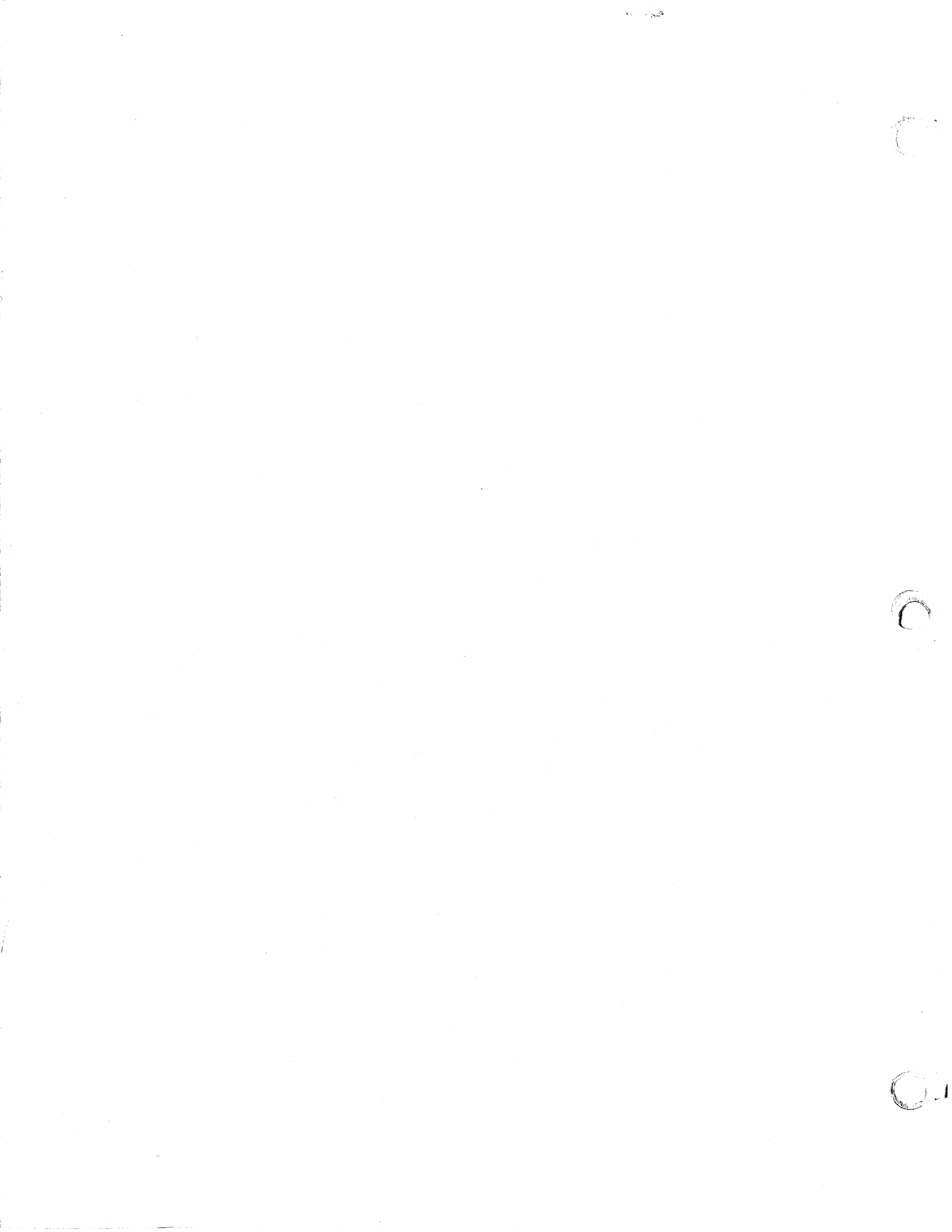
ITEM	NUMBER	QTY.	DESCRIPTION
—	1006542-3	1	LAMP ASY., flood light
1	-----	1	LAMP (Not serviced)
2	3037092-8	1	RETAINER (Order LAMP ASY. 1006542)
3	1006991-2	1	SHELL ASY. (Order LAMP ASY. 1006542)
4	1006992-0	1	BUSHING, pivot
5	0919440-8	1	NUT



FRAME & FENDERS



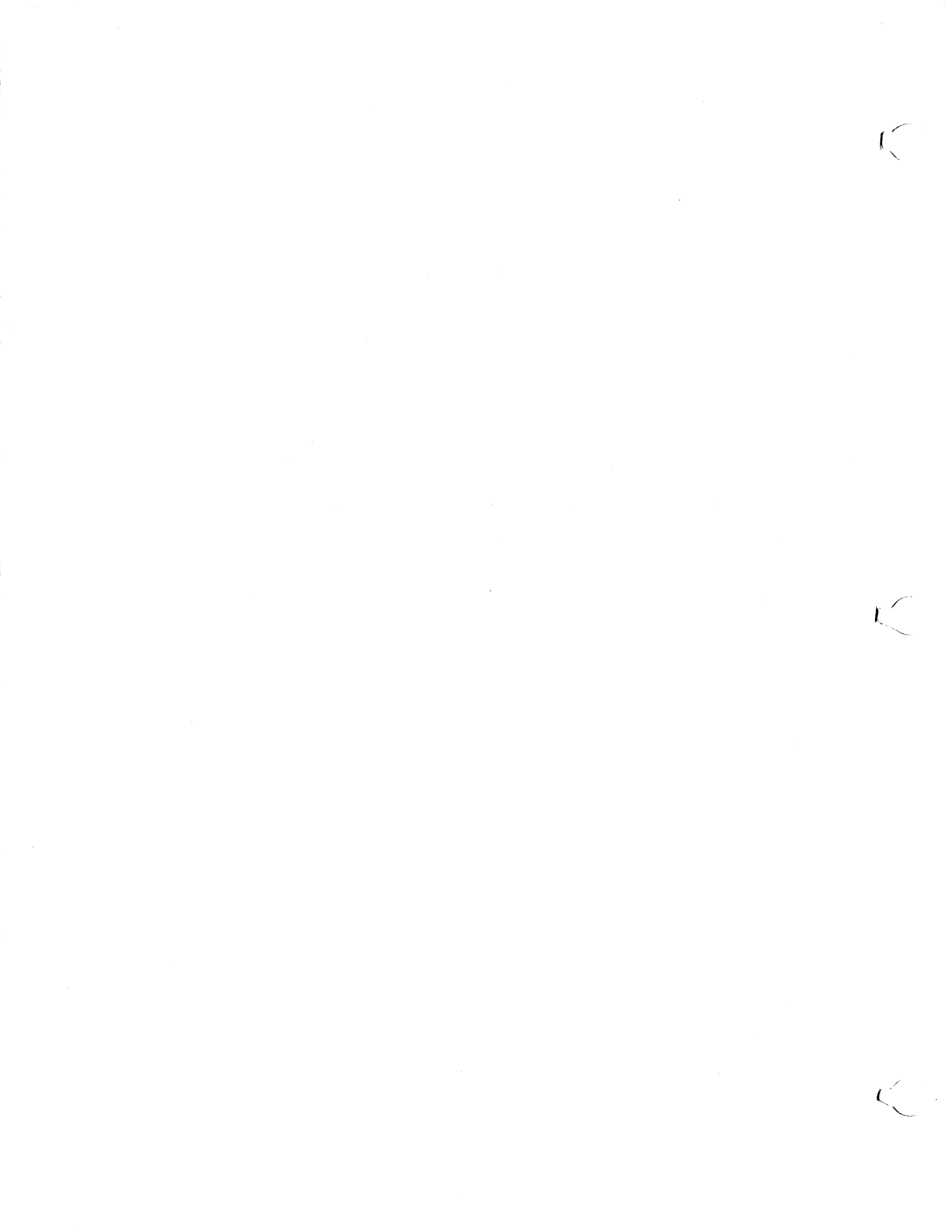




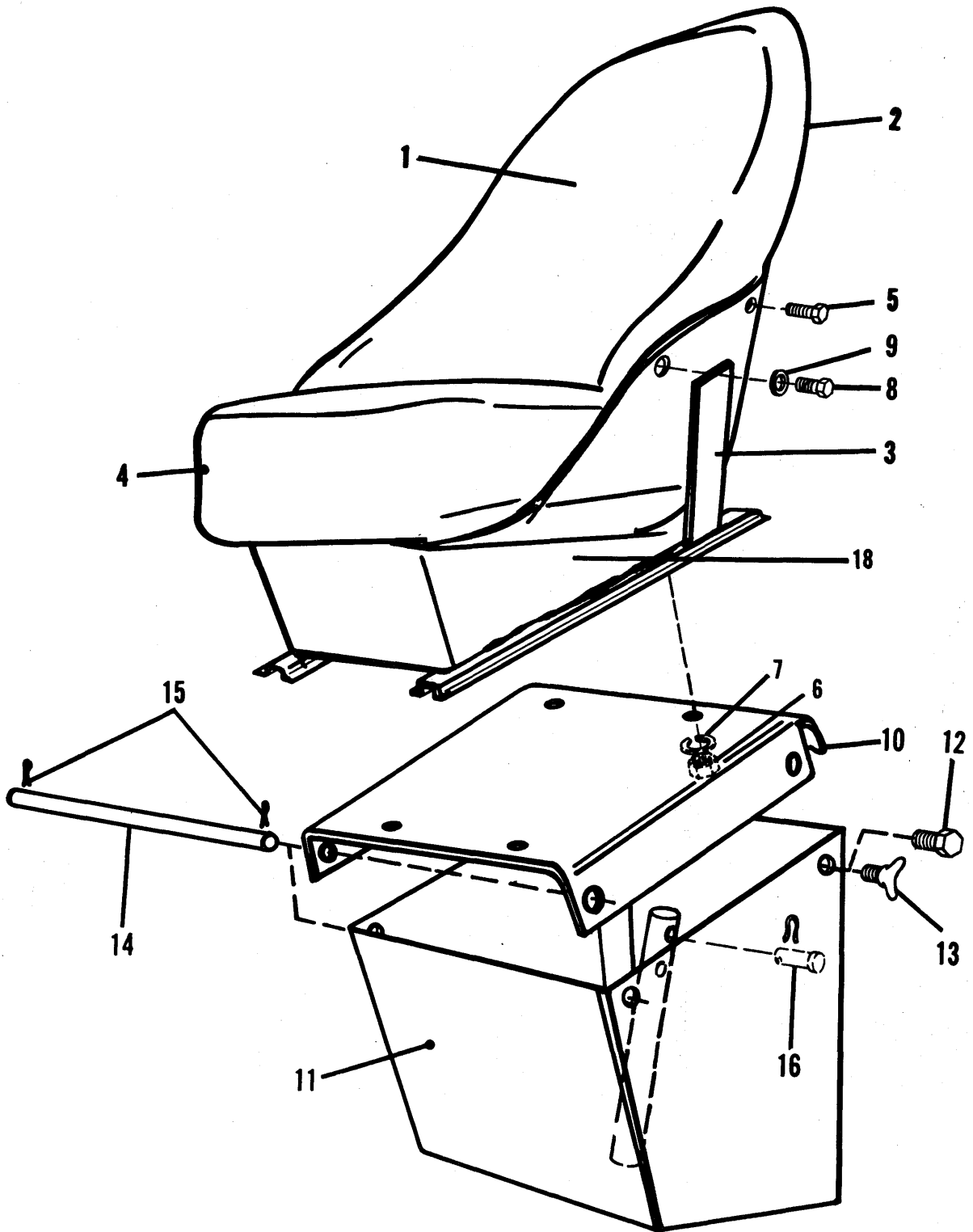
816 & 816B TRACTORS  
SHEET METAL, FRAME & SEAT

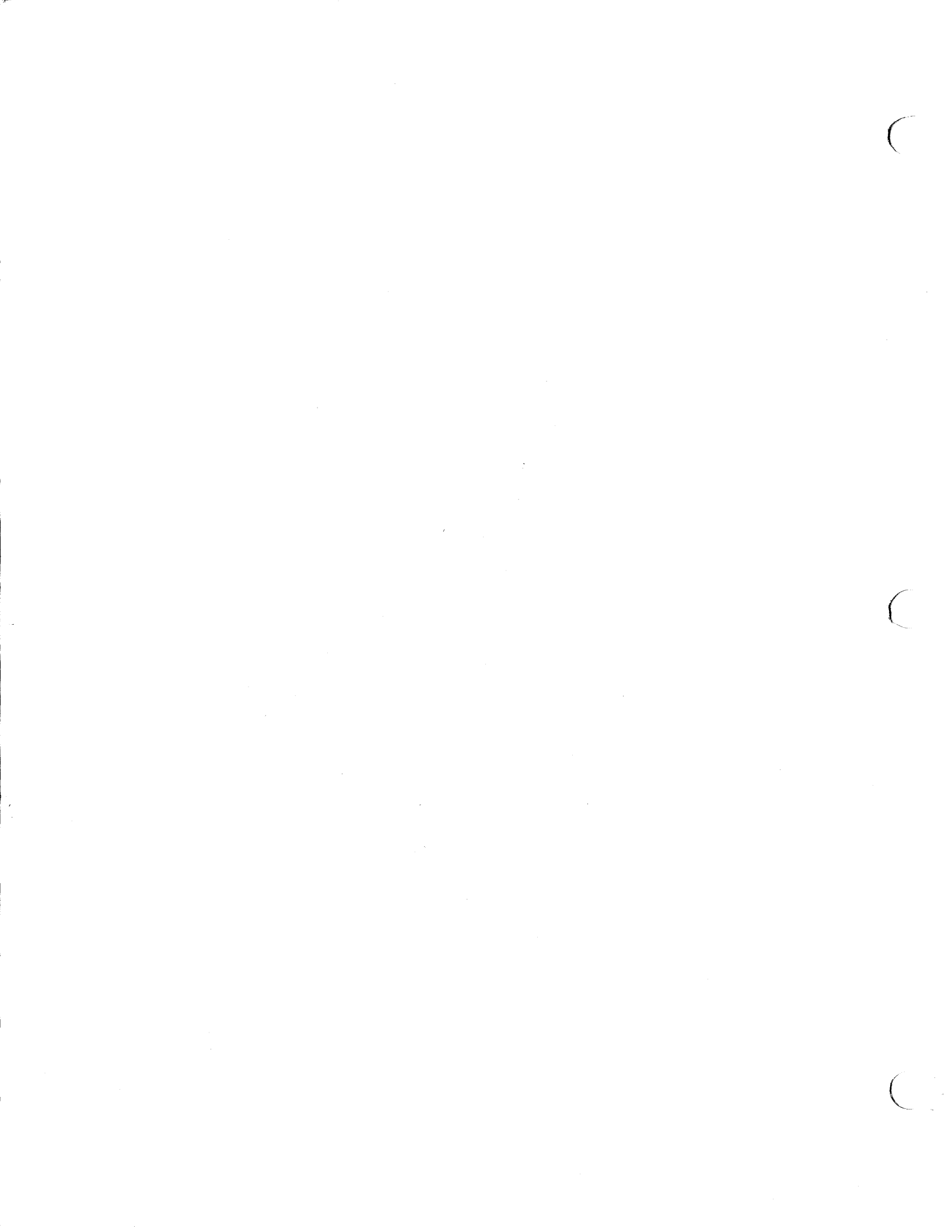
FRAME & FENDERS

ITEM	NUMBER	QTY.	DESCRIPTION
1	1007645-3	1	MAIN FRAME ASY. (Incl. Items 2 thru 6)
	1007378-1	1	PLATE, top yoke
	1007995-2	1	PLATE, bottom yoke
2	2018402-4	4	BUSHING
3	1006353-5	4	BUSHING
4	2018402-4	2	BUSHING
5	0239432-8	1	BUSHING
	1007136-3	1	BUSHING
6	0910963-8	1	PIN
7	0926931-7	3	GROMMET
8	0931005-3	1	BUSHING, spherical
9	0914465-0	2	FITTING, lube
10	0910126-2	4	CONNECTOR
11	1006352-7	2	TUBE, lube
12	0928893-7	1	BUSHING, spherical
13	0925998-7	1	RING, snap
14	0926928-3	2	STEM, hose
	0921349-7	2	O-RING
15	0921911-4	2	CLAMP, worm drive
16	1006411-1	1	HOSE, vent
17	0921216-8	2	PLUG (Incls. O-RING)
	0921214-3	2	O-RING
18	1006622-3	4	GRIP
19	1007020-9	1	DIPSTICK ASY. (Incls. O-RING)
	0921214-3	1	O-RING
20	0915276-0	2	FITTING, lube
21	1043997-4	1	WASHER, thrust
22	1006871-6	2	SEAT, spring
23	0926900-2	8	CAPSCREW
	1003219-1	16	WASHER
	0915763-7	8	NUT



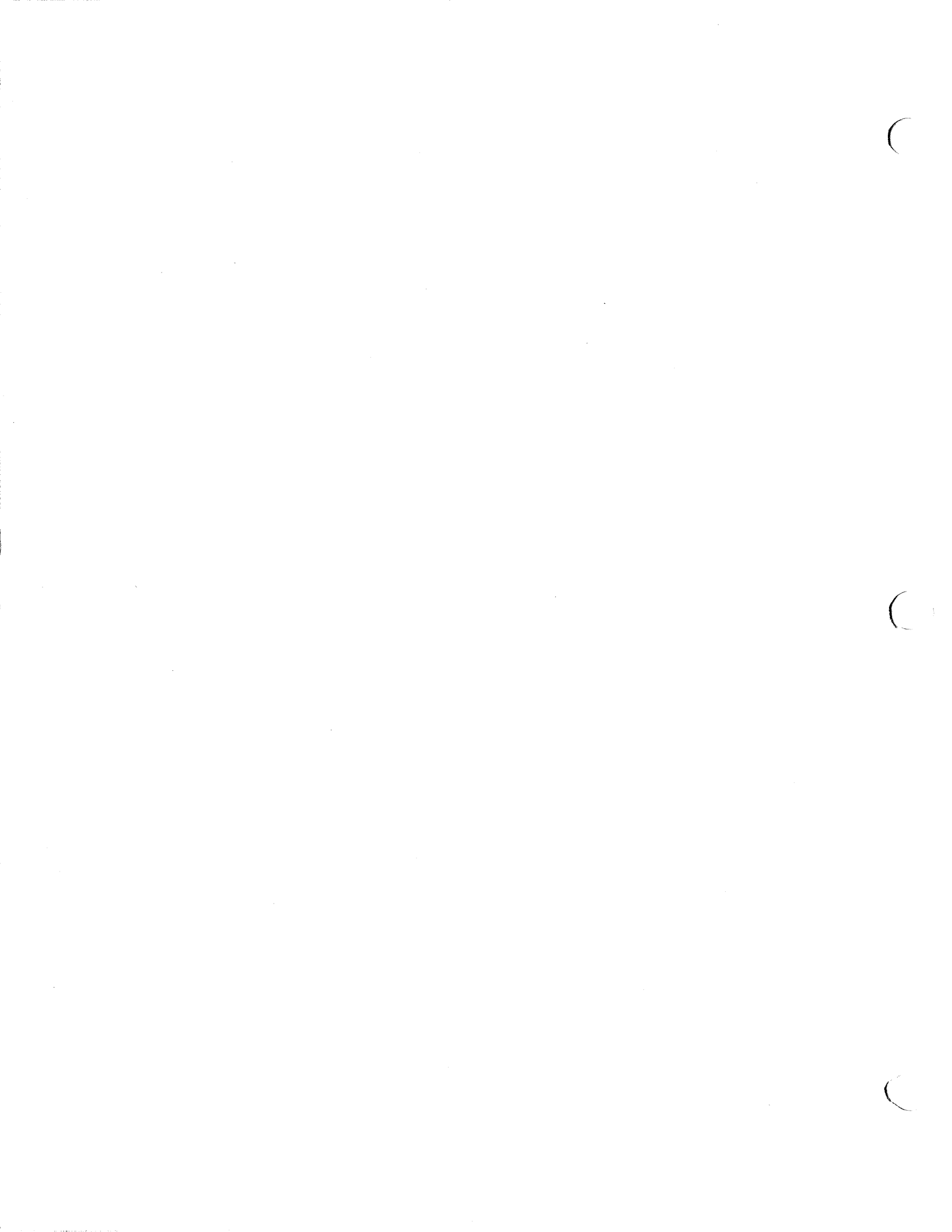
SEAT & SEAT SUPPORT



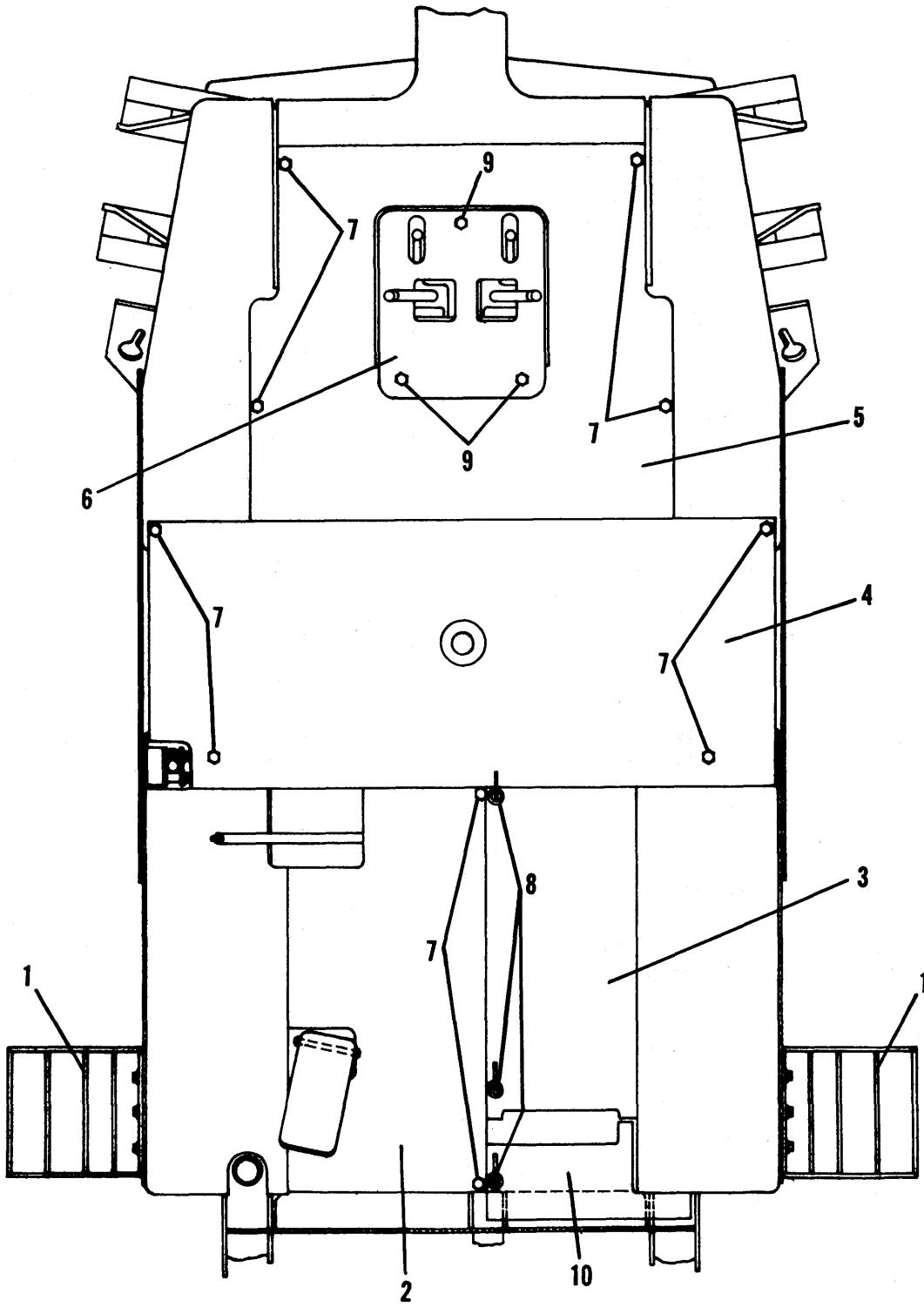


SEAT & SEAT SUPPORT

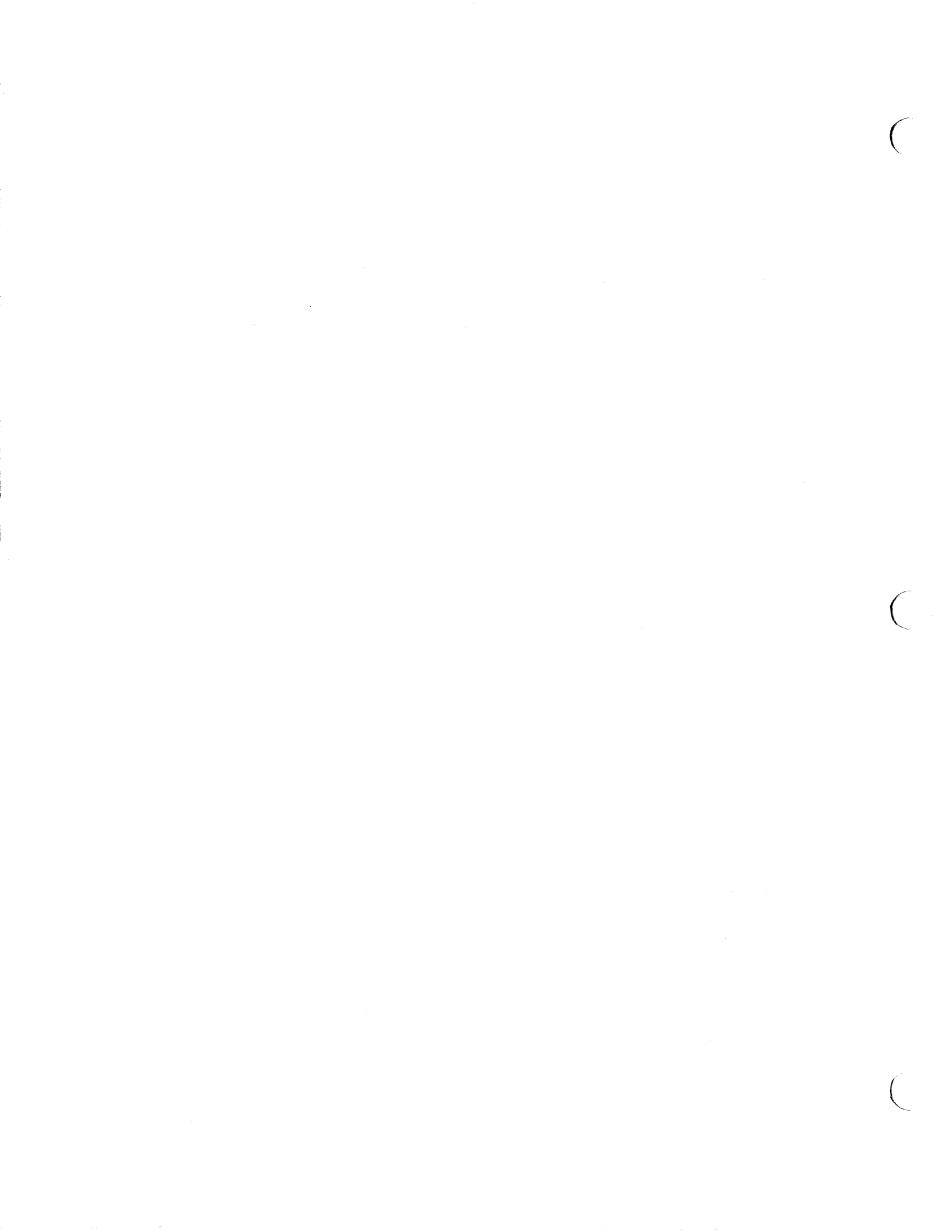
ITEM	NUMBER	QTY.	DESCRIPTION
1	1005925-1	1	SEAT ASY. (Incl. Items 2 thru 9)
2	1004951-8	1	SHELL ASY.
	1005926-9	1	SHELL ASY.
3	0250689-7	1	BACKREST ASY.
4	1004952-6	1	CUSHION, seat
	1004953-4	2	PIN
5	0922586-3	5	CAPSCREW
	0911987-6	5	WASHER
6	0920263-1	4	NUT, 5/16NF
7	0917356-8	4	LOCKWASHER, 5/16
8	0921210-1	2	CAPSCREW, 3/8NC x 1
9	0918266-8	2	WASHER
10	1006462-4	1	COVER, seat support
11	1006463-2	1	SUPPORT, seat
12	0921210-1	1	CAPSCREW (For vandalism protection)
13	0927084-4	1	SCREW, wing (For normal operation)
14	1006584-5	1	ROD, cover pivot, seat support
15	0918458-1	2	PIN, cotter
16	0916586-1	1	PIN, headed
17	9002801-0	1	CLIP, hair pin (Pkg. of 8)
18	1005927-7	1	ADJUSTER, with handle
-	1005928-5	1	ADJUSTER (Not shown)
-	1005929-3	1	ROD, connecting (Not shown)
	0922813-1	4	SCREW
	0917356-8	4	LOCKWASHER, 5/16
	0917372-5	4	NUT, 5/16NC
-	1014427-7	1	SEAT BELT



PLATFORM





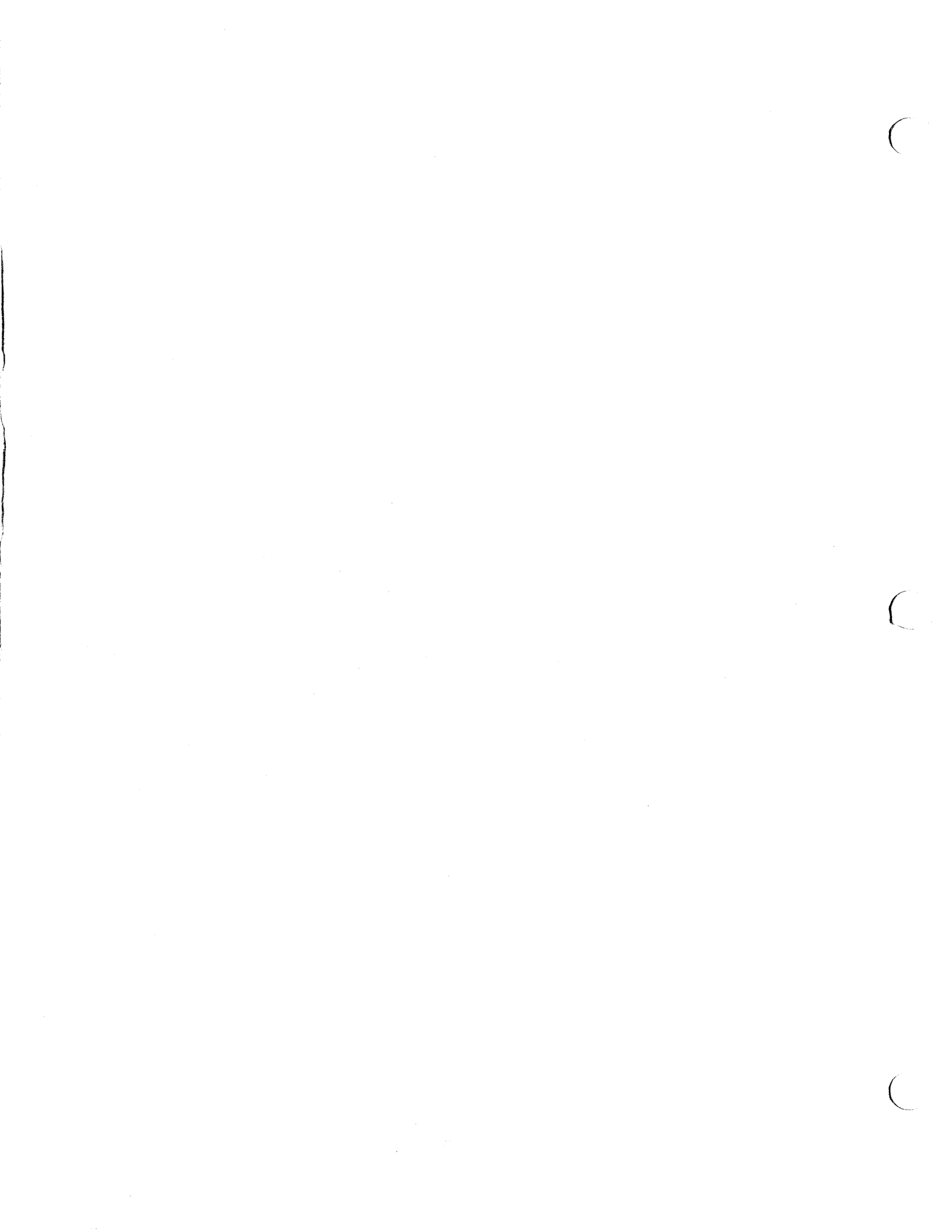


816 & 816B TRACTORS  
SHEET METAL, FRAME & SEAT

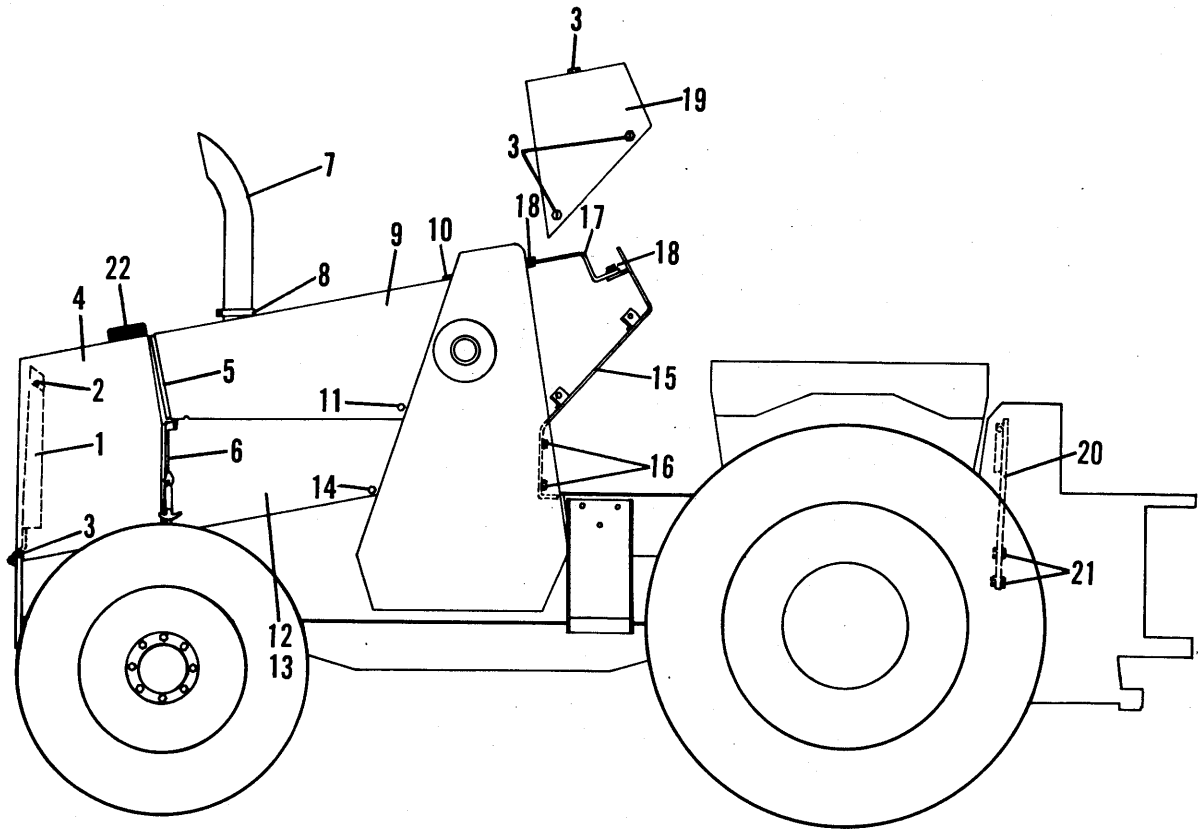
105

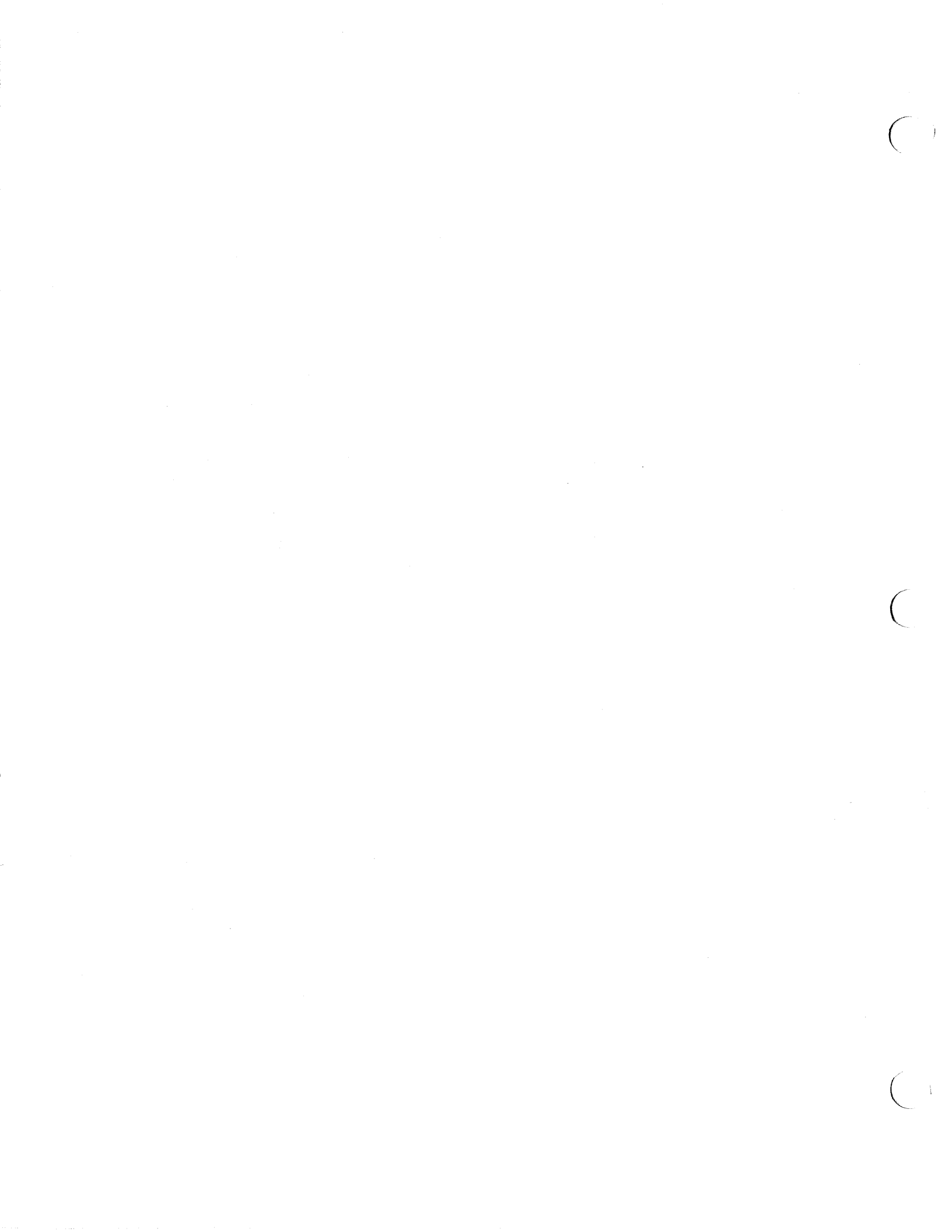
PLATFORM

ITEM	NUMBER	QTY.	DESCRIPTION
1	1006445-9	2	STEP
	0921210-1	6	CAPSCREW, 3/8NC x1
	0916965-7	6	LOCKWASHER, 3/8
2	1006458-2	1	PLATFORM ASY., R.H.
3	1006484-8	1	PLATFORM ASY., L.H.
4	1006459-0	1	PLATFORM, center
5	1006460-8	1	PLATFORM, rear
6	1006461-6	1	COVER, backhoe valve
7	0922815-6	10	CAPSCREW
8	1006485-5	3	STUD ASY., cam lock
	1006327-9	3	WASHER
9	0921210-1	3	CAPSCREW, 3/8NC x1
	0916965-7	3	LOCKWASHER, 3/8
10	1007244-5	1	PLATE ASY., floor



HOOD & GRILLE





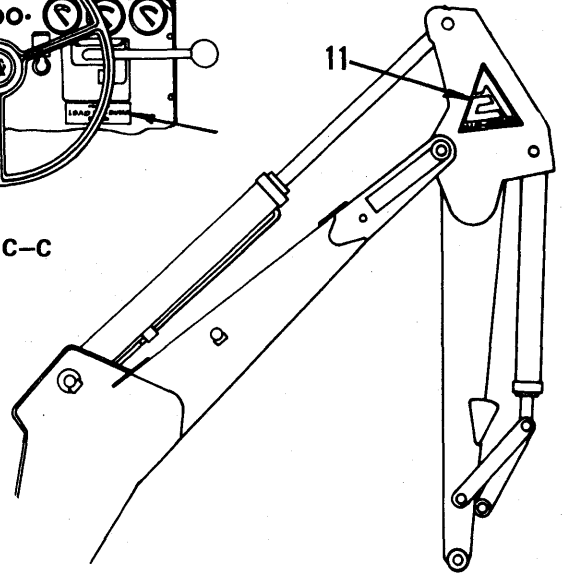
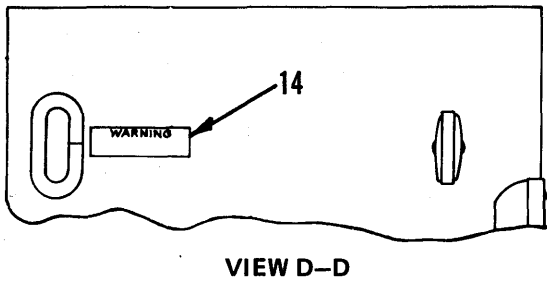
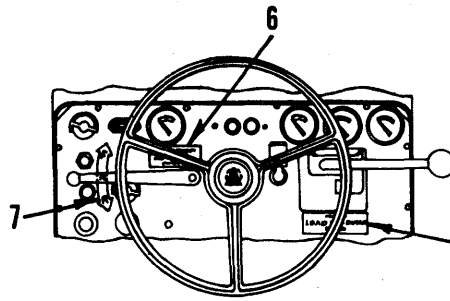
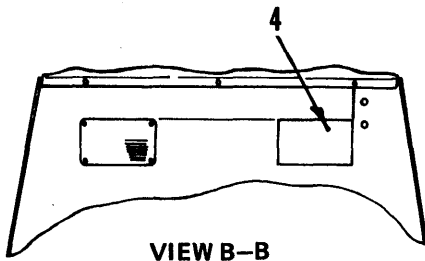
816 & 816B TRACTORS  
SHEET METAL, FRAME & SEAT

107

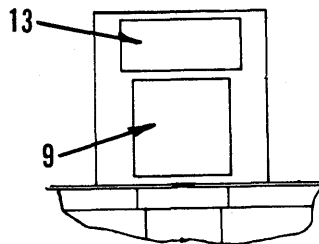
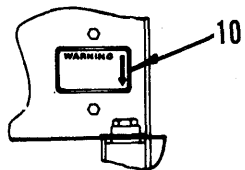
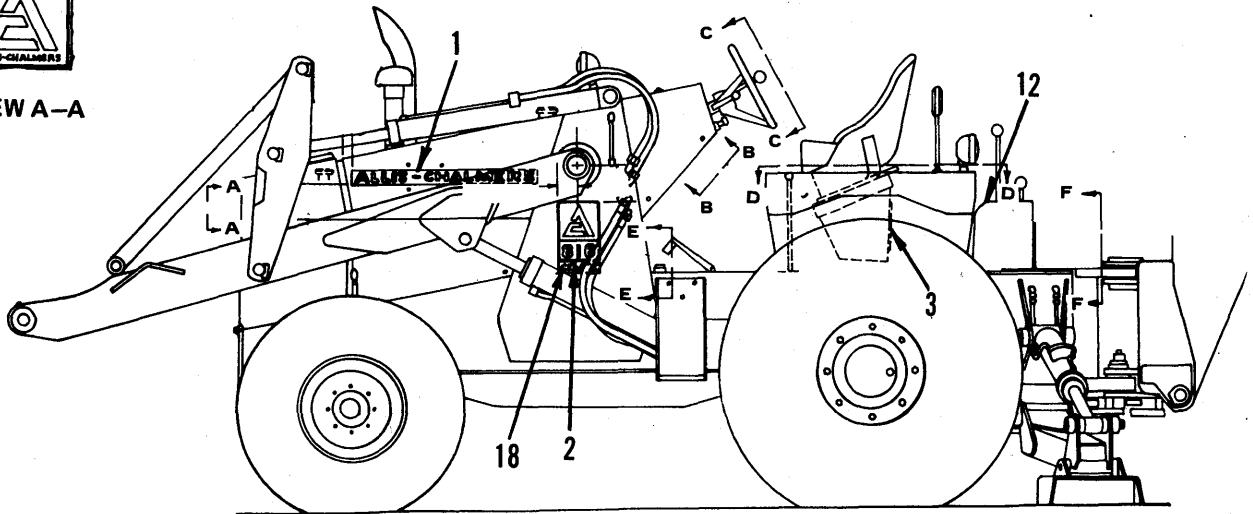
HOOD & GRILLE

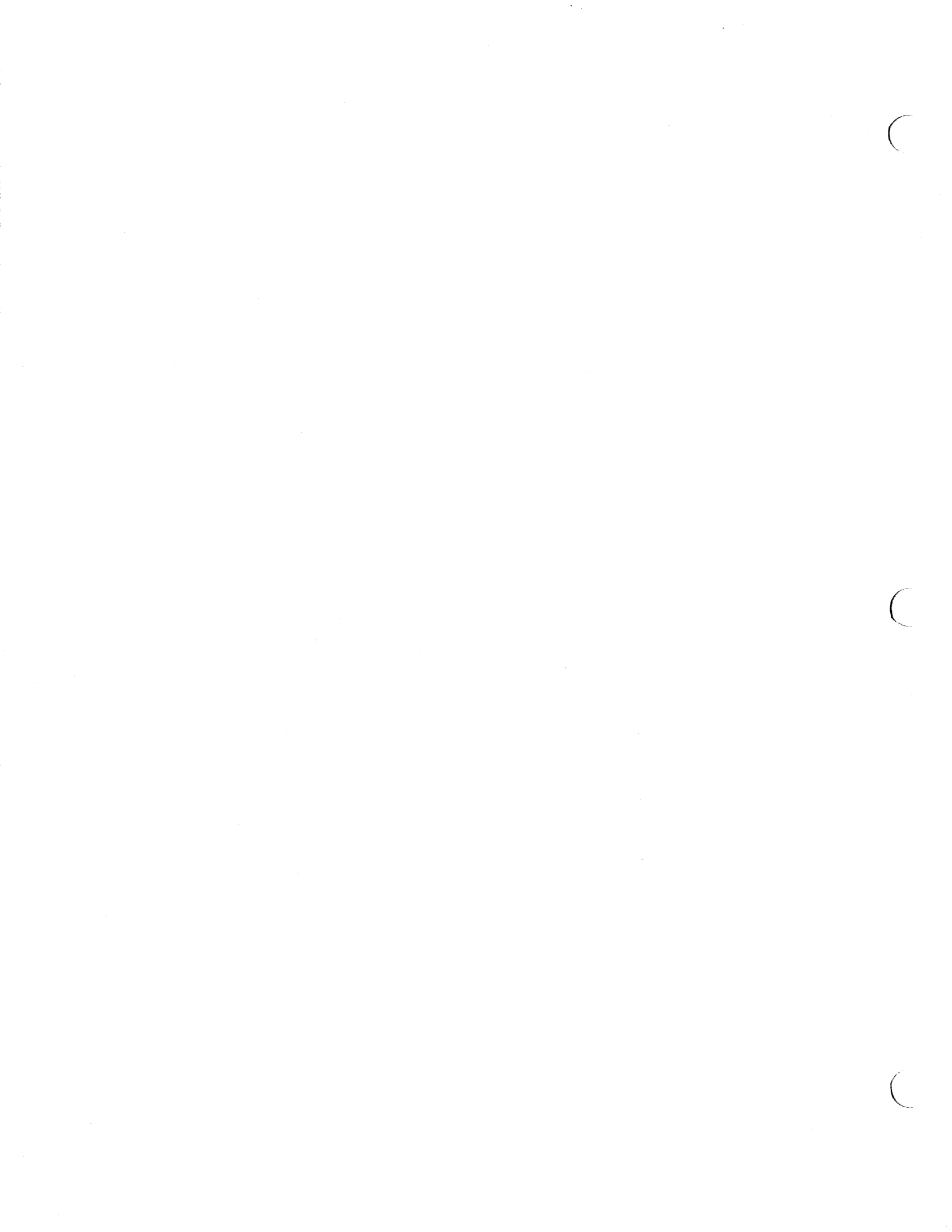
ITEM	NUMBER	QTY.	DESCRIPTION
1	1006603-3	1	GRILLE
2	0915502-9	2	PIN
3	0922815-6	7	CAPSCREW
4	1007152-0	1	SHELL ASY.
	0921024-6	6	CAPSCREW
	0916966-5	6	LOCKWASHER, 1/2
5	1006739-5	1	STRIP, packing
	1004700-9	1	CEMENT, adhesive (2 oz.)
6	1006738-7	2	STRIP, packing
	1004700-9	2	CEMENT, adhesive (2 oz.)
7	0252463-5	1	EXTENSION, exhaust
8	0252467-6	1	CLAMP ASY. (Incls. BOLT & NUT)
	0923220-8	1	BOLT
	0916950-9	1	NUT, 3/8NC
9	1007214-8	1	HOOD
10	0921210-1	3	CAPSCREW, 3/8NC x 1
	0911115-4	3	WASHER
	0916965-7	3	LOCKWASHER, 3/8
11	0921210-1	2	CAPSCREW, 3/8NC x 1
	0911115-4	2	WASHER
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
12	1007807-9	1	SHEET, side, L.H.
13	1007808-7	1	SHEET, side, R.H.
14	0922815-6	2	CAPSCREW (For vandalism protection)
15	1007362-5	1	PLATE ASY., console
16	0921176-4	4	CAPSCREW
	0916966-5	4	LOCKWASHER, 1/2
17	1007360-9	1	SUPPORT, console
18	0921176-4	4	CAPSCREW
	0916966-5	4	LOCKWASHER, 1/2
19	1007031-6	1	COVER, console
20	1006260-2	1	PLATE, backhoe valve mtg.
21	0920328-2	4	CAPSCREW
	0917379-0	4	WASHER
	0916966-5	4	LOCKWASHER, 1/2
	0916951-7	4	NUT, 1/2NC
22	1006314-7	1	COVER, radiator filler

DECALS



VIEW A-A





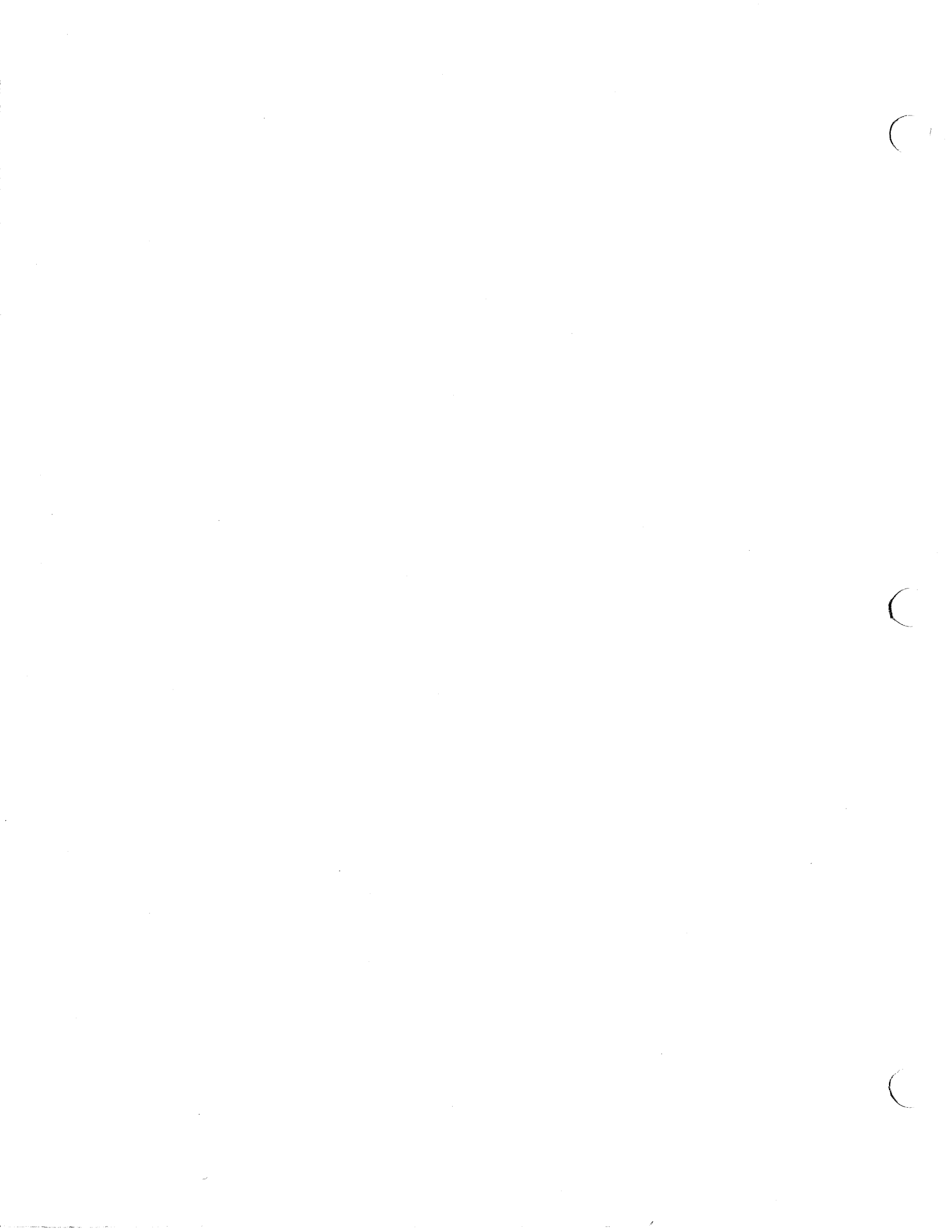


816 & 816B TRACTORS  
SHEET METAL, FRAME & SEAT

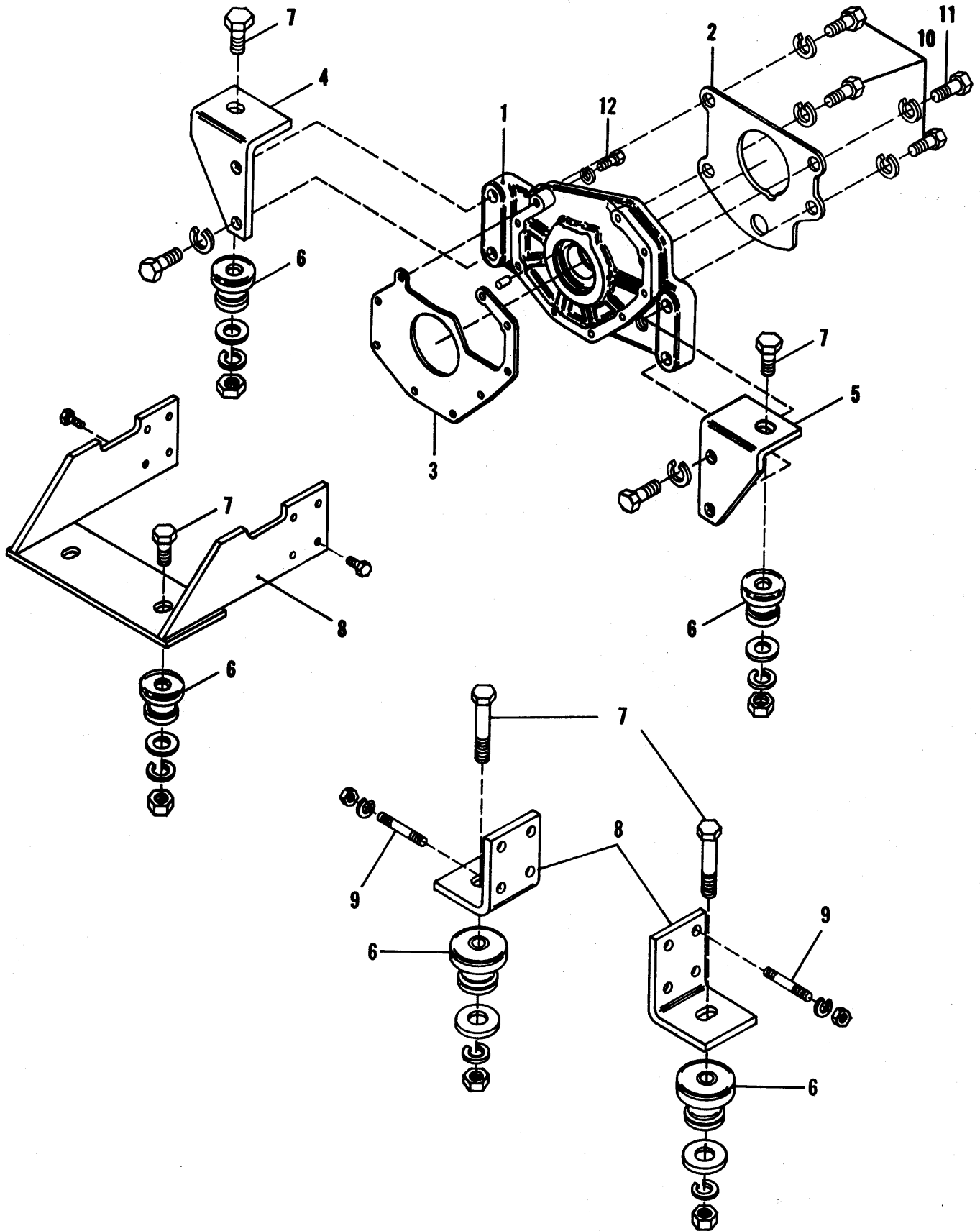
109

DECALS

ITEM	NUMBER	QTY.	DESCRIPTION
-	1007005-0	1	DECAL SET (Incl. Items 1 thru 17)
	1007819-4	1	DECAL SET (Incl. Items 1 thru 18)
1	1004656-3	2	DECAL, Allis-Chalmers
2	1006946-6	2	DECAL, Model 816
3	1005909-5	1	DECAL, service instructions
4	0268404-1	1	DECAL, patent
5	1007007-6	1	DECAL, loader instructions
6	0234214-5	1	DECAL, shift to neutral
7	1007006-8	1	DECAL, forward-reverse
8	0924453-4	1	DECAL, combined trademark (3.31)
9	0924455-9	1	DECAL, combined trademark (6.50)
10	1007018-3	1	DECAL, warning, hydraulic system
11	0924457-5	2	DECAL, combined trademark (10.69)
12	2020165-3	1	DECAL, backhoe instructions
13	1007137-1	1	DECAL, warning
14	1007380-7	1	DECAL, brake warning
15	1007226-2	1	DECAL, instructions, steering brakes (Not shown)
16	1007295-7	1	DECAL, 4-in-1 operating instructions (Not shown)
17	1007303-9	1	DECAL, 4-in-1 bucket gauge (Not shown)
18	1007747-7	1	DECAL, Series "B"



POWER TRAIN MOUNTING



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1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is essential for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent and reliable data collection processes to support informed decision-making.

3. The third part of the document focuses on the role of technology in modern data management. It discusses how advanced software solutions can streamline data collection, storage, and analysis, leading to more efficient and effective operations.

4. The fourth part of the document addresses the challenges associated with data security and privacy. It stresses the importance of implementing robust security measures to protect sensitive information from unauthorized access and breaches.

5. The fifth part of the document concludes by summarizing the key findings and recommendations. It reiterates the importance of a data-driven approach and the need for continuous improvement in data management practices.

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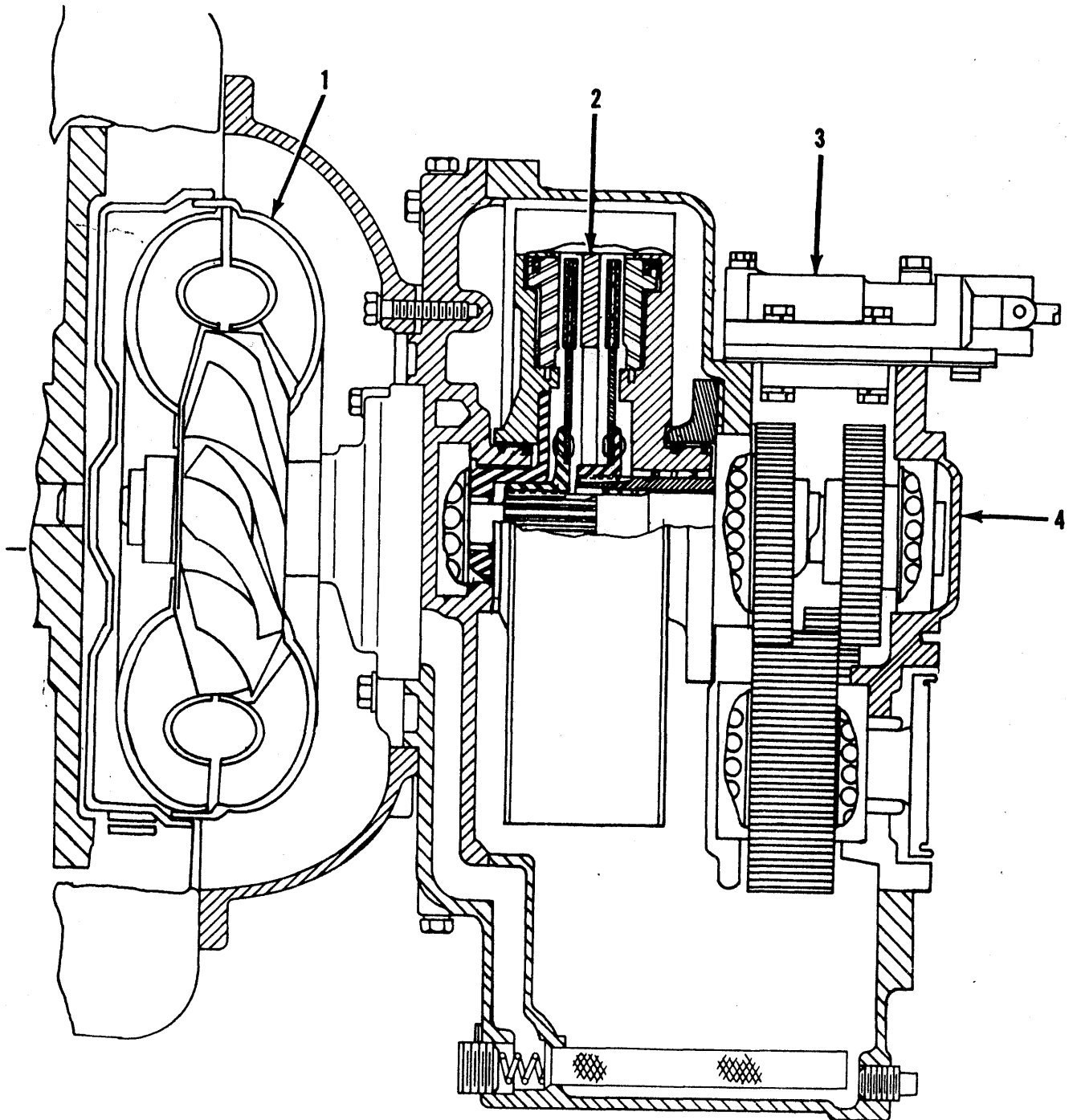
816 & 816B TRACTORS  
DRIVE TRAIN

111

POWER TRAIN MOUNTING

ITEM	NUMBER	QTY.	DESCRIPTION
1	1006208-1	1	ADAPTER
	0921292-9	1	PIN, roll
2	1006207-3	1	GASKET, 4-speed trans. to adapter
3	1006206-5	1	GASKET, forward-reverse trans. to adapter
4	1006200-8	1	MOUNTING BRACKET, power train, R.H.
	0923154-9	2	CAPSCREW
	0916966-5	2	LOCKWASHER, 1/2
5	1006201-6	1	MOUNTING BRACKET, power train, L.H.
	0923154-9	2	CAPSCREW
	0916966-5	2	LOCKWASHER, 1/2
6	1005350-2	4	MOUNT, center, bonded
7	0916410-4	4	CAPSCREW
	1014762-7	4	WASHER
	0918268-4	4	WASHER
	0921139-2	4	NUT
8	1095432-9	1	ENGINE MOUNT KIT, front
	1012370-1	2	BRACKET, engine mount
9	0251007-1	8	STUD, bracket mount
	0918199-1	8	LOCKWASHER, 7/16
	0913901-5	8	NUT
10	0926118-1	3	CAPSCREW
	0920326-6	3	LOCKWASHER
11	0926117-3	1	CAPSCREW
	0920326-6	1	LOCKWASHER
12	0926924-2	9	SCREW, 12-point
	0927108-1	9	WASHER, copper

TRANSMISSION  
FORWARD & REVERSE



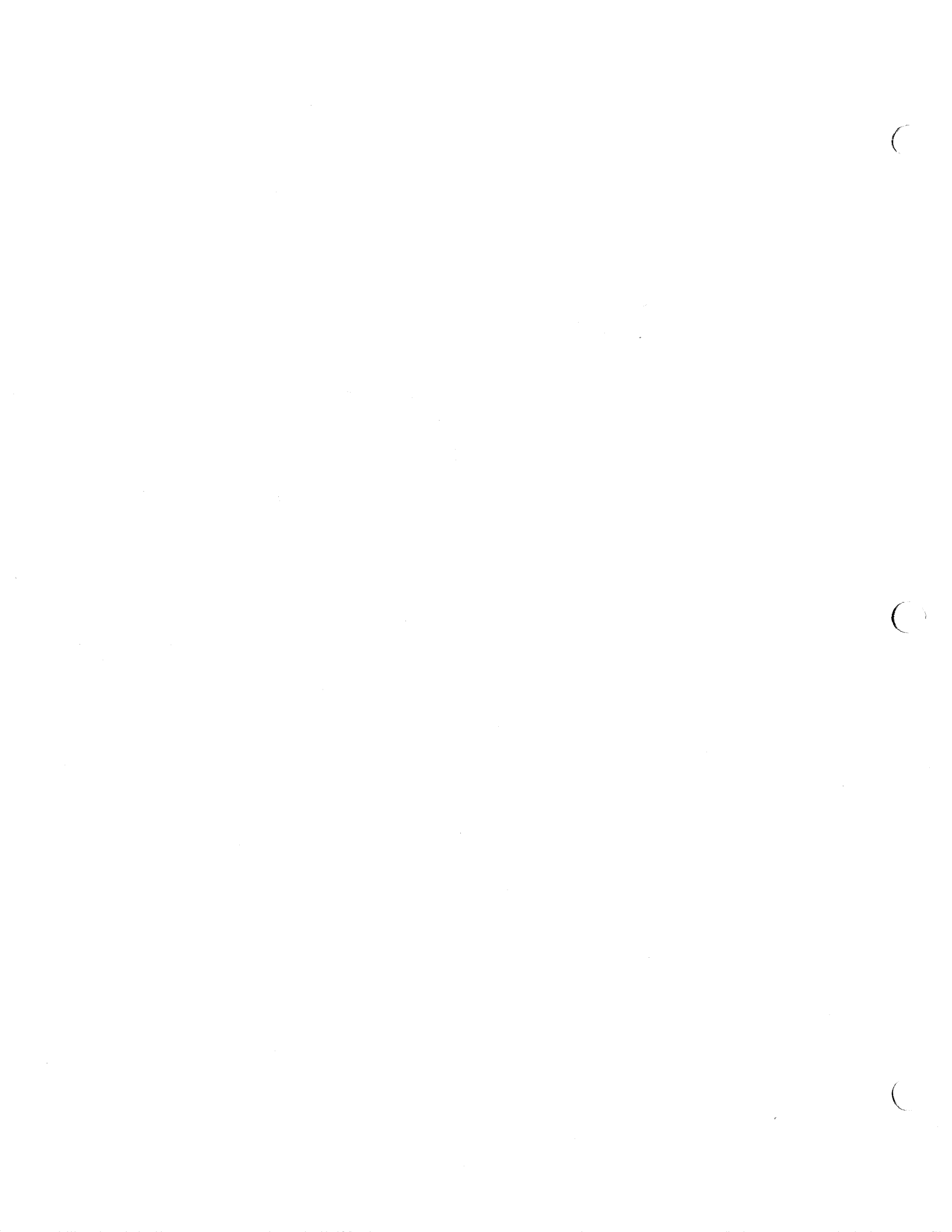
816 & 816B TRACTORS  
DRIVE TRAIN

113

TRANSMISSION  
FORWARD & REVERSE

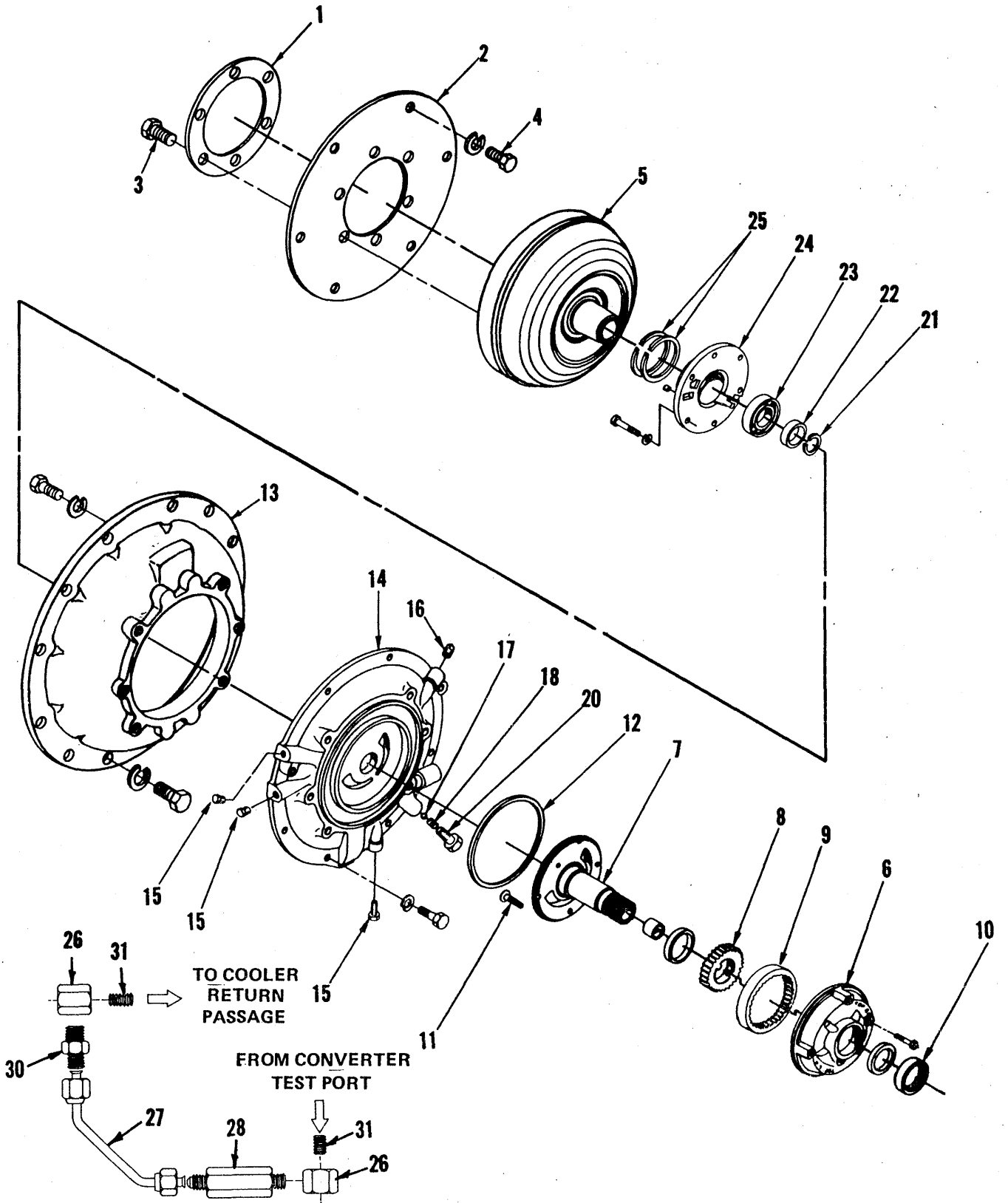
ITEM	NUMBER	QTY.	DESCRIPTION
—	-----	1	TRANSMISSION ASY.
1	-----	1	CONVERTER, torque (Refer to TORQUE CONVERTER & PUMP section for components)
2	-----	1	DISK ASY., forward & reverse (Refer to FORWARD & REVERSE DISK section for components)
3	1014688-4	1	VALVE ASY. (Refer to TRANSMISSION VALVE section for components)
	0921160-8	4	CAPSCREW
	0921977-5	8	CAPSCREW
	0917356-8	12	LOCKWASHER, 5/16
4	1013679-4	1	TRANSMISSION (Refer to FORWARD-REVERSE TRANSMISSION ASY. section)

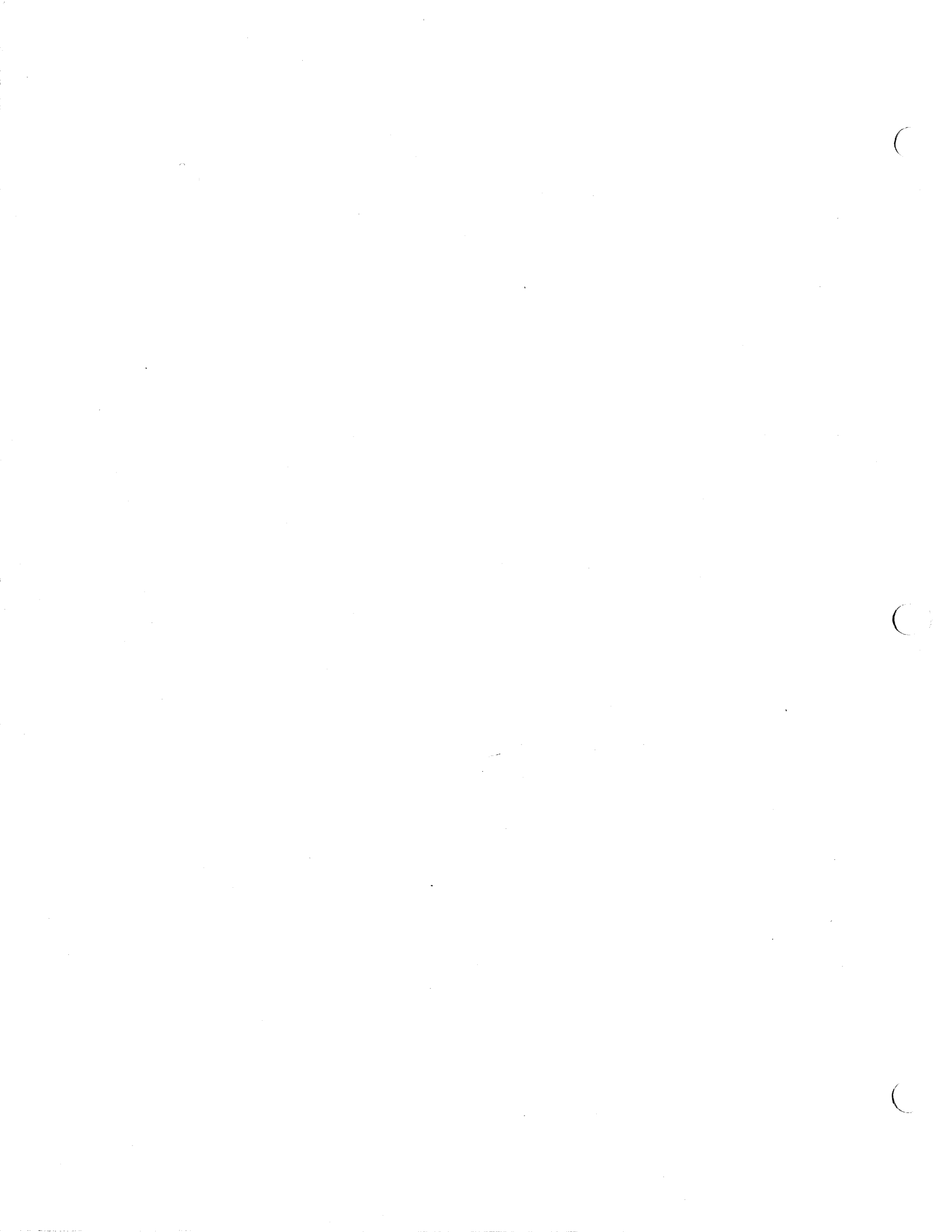
1006193 early units





TRANSMISSION  
TORQUE CONVERTER & PUMP





816 & 816B TRACTORS  
DRIVE TRAIN

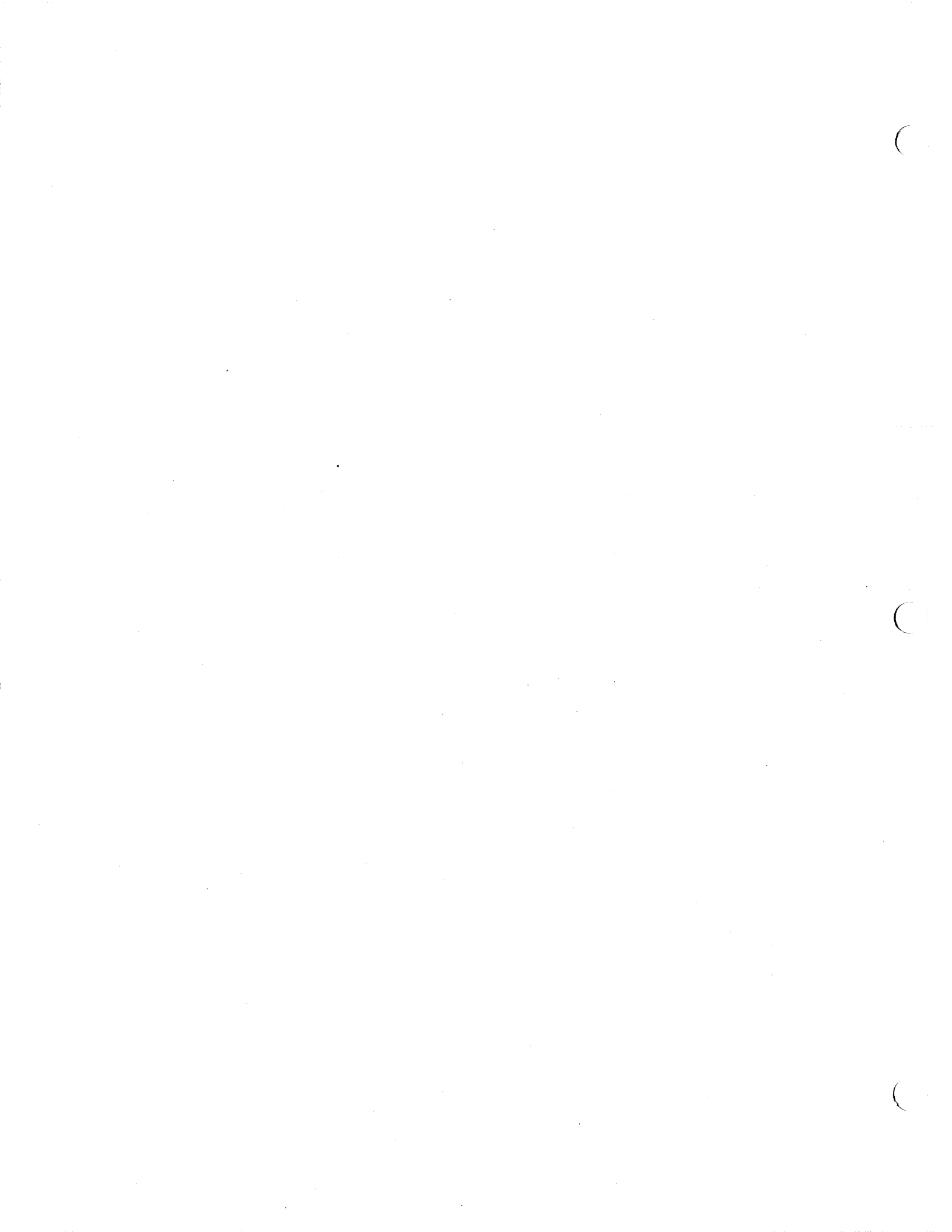
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TRANSMISSION  
TORQUE CONVERTER & PUMP

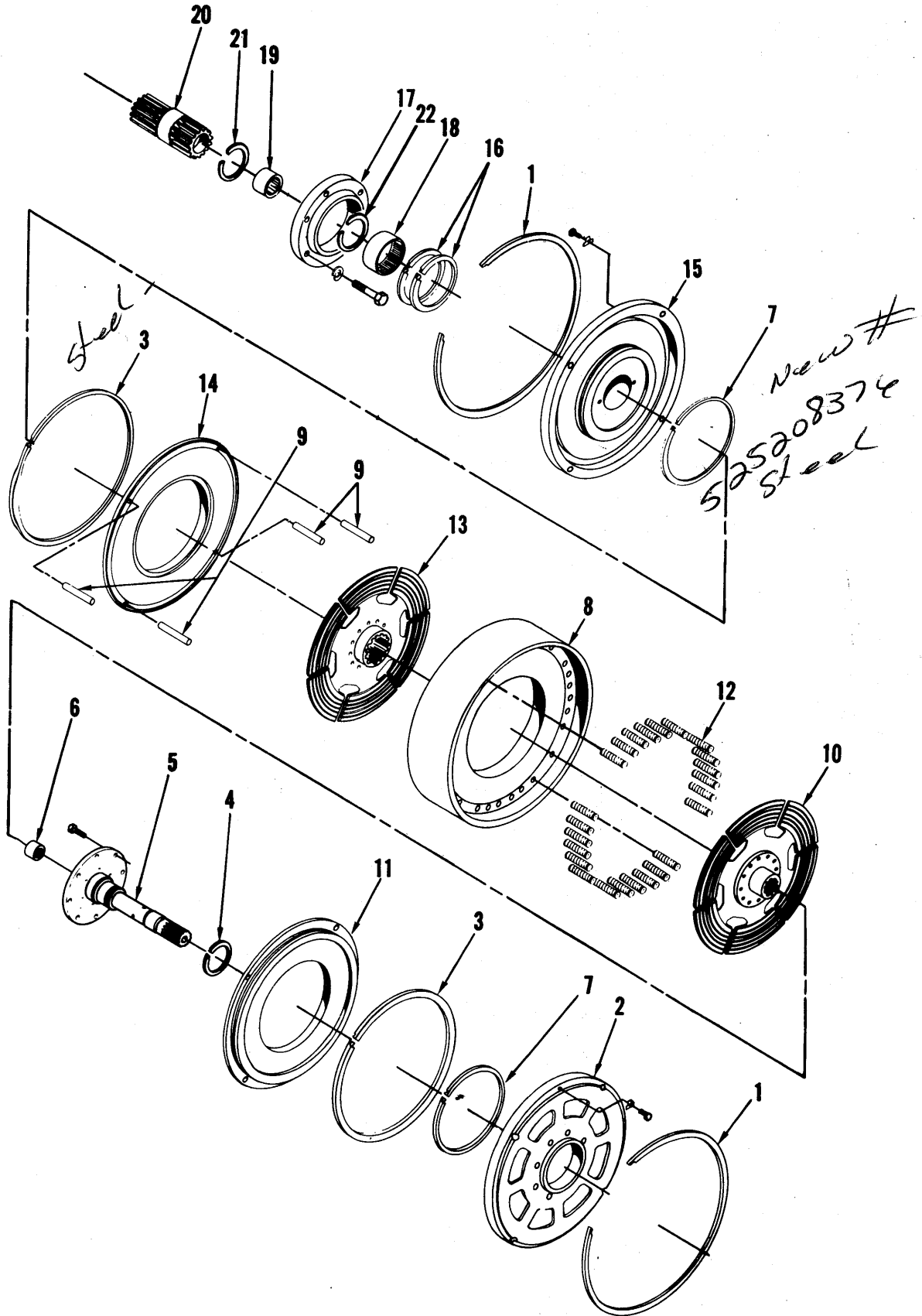
ITEM	NUMBER	QTY.	DESCRIPTION
-	1006536-5	1	PLATE KIT, drive (Incl. Items 1 thru 4)
1	-----	1	PLATE, reinforcing (Refer to NOTE)
2	-----	1	PLATE, drive (Refer to NOTE)
3	-----	6	BOLT, place, converter to drive plate (Refer to NOTE)
4	-----	6	BOLT, place, drive plate to flywheel (Refer to NOTE)
	-----	1	WASHER (Refer to NOTE)
5	1018704-5	1	CONVERTER, torque (Refer to NOTE)
-	1006885-6	1	PUMP ASY. (Incl. Items 6 thru 11)
	0921978-3	4	CAPSCREW
6	-----	1	BODY, pump (Incls. BUSHING)
	-----	1	BUSHING
7	-----	1	SUPPORT ASY. (Incls. BUSHING)
	-----	1	BUSHING
8	-----	1	GEAR, pump drive (Incls. BUSHING)
	-----	1	BUSHING
9	-----	1	GEAR, pump driven
10	0927023-2	1	SEAL, oil
11	0903857-1	1	SCREW
12	4905789-6	1	GASKET
13	1002953-6	1	HOUSING, converter (Eff. Tr. S/N 2582 & Up)
	0921212-7	6	CAPSCREW (Prior Tr. S/N 2582)
	0918199-1	6	LOCKWASHER, 7/16 (Prior Tr. S/N 2582)
	0921967-6	12	CAPSCREW
	0916965-7	12	LOCKWASHER, 3/8
14	1002953-6	1	ADAPTER (Eff. Tr. S/N 2582 & Up)
	0916273-6	3	CAPSCREW
	0921967-6	5	CAPSCREW
	0916965-7	8	LOCKWASHER, 3/8
15	0919134-7	3	PLUG, pipe
16	0919840-9	1	PLUG, pipe
17	0924855-0	2	BALL
18	4997161-7	2	SPRING
19	4991741-2	2	WASHER (Not shown)
20	4991740-4	2	SEAT, spring
21	4905790-4	1	RING, snap
22	4905792-0	1	SPACER, bearing
23	067766-3	1	BEARING
24	4905793-8	1	RETAINER, bearing (Incl. PLUGS)
	1007046-4	2	PLUG
	0921333-1	6	CAPSCREW
	0917356-8	6	LOCKWASHER, 5/16
25	4987600-6	2	RING, sealing
26	1002843-9	2	PORT
27	1002844-7	1	TUBE ASY.
28	1002845-4	1	VALVE, relief
30	0910947-1	1	CONNECTOR
31	0901467-1	2	NIPPLE
-	-----	-	VALVE KIT, trans. relief (Prior Tr. S/N 2582)

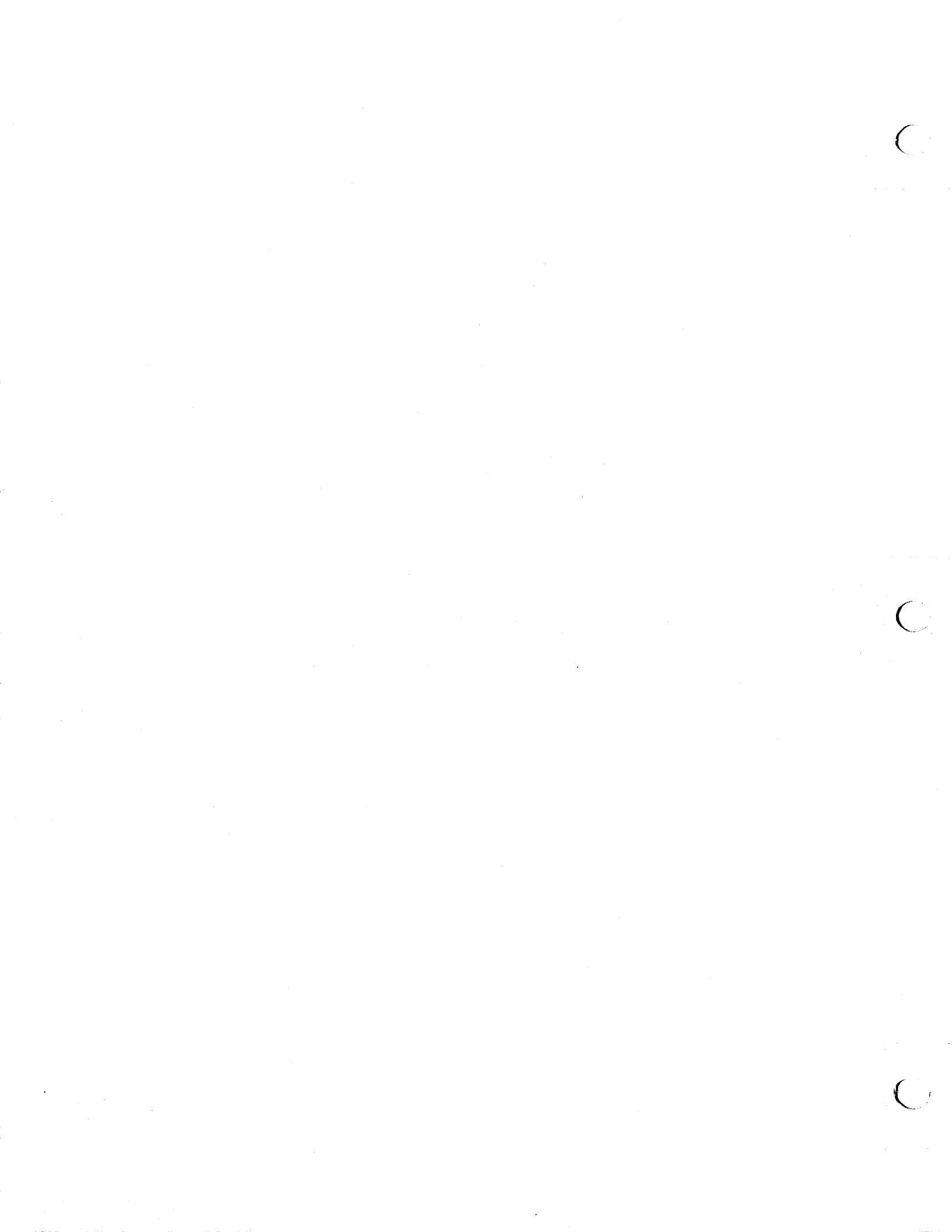
*Part of Kit*

*not used*



TRANSMISSION  
FORWARD & REVERSE DISK





816 & 816B TRACTORS  
DRIVE TRAIN

117

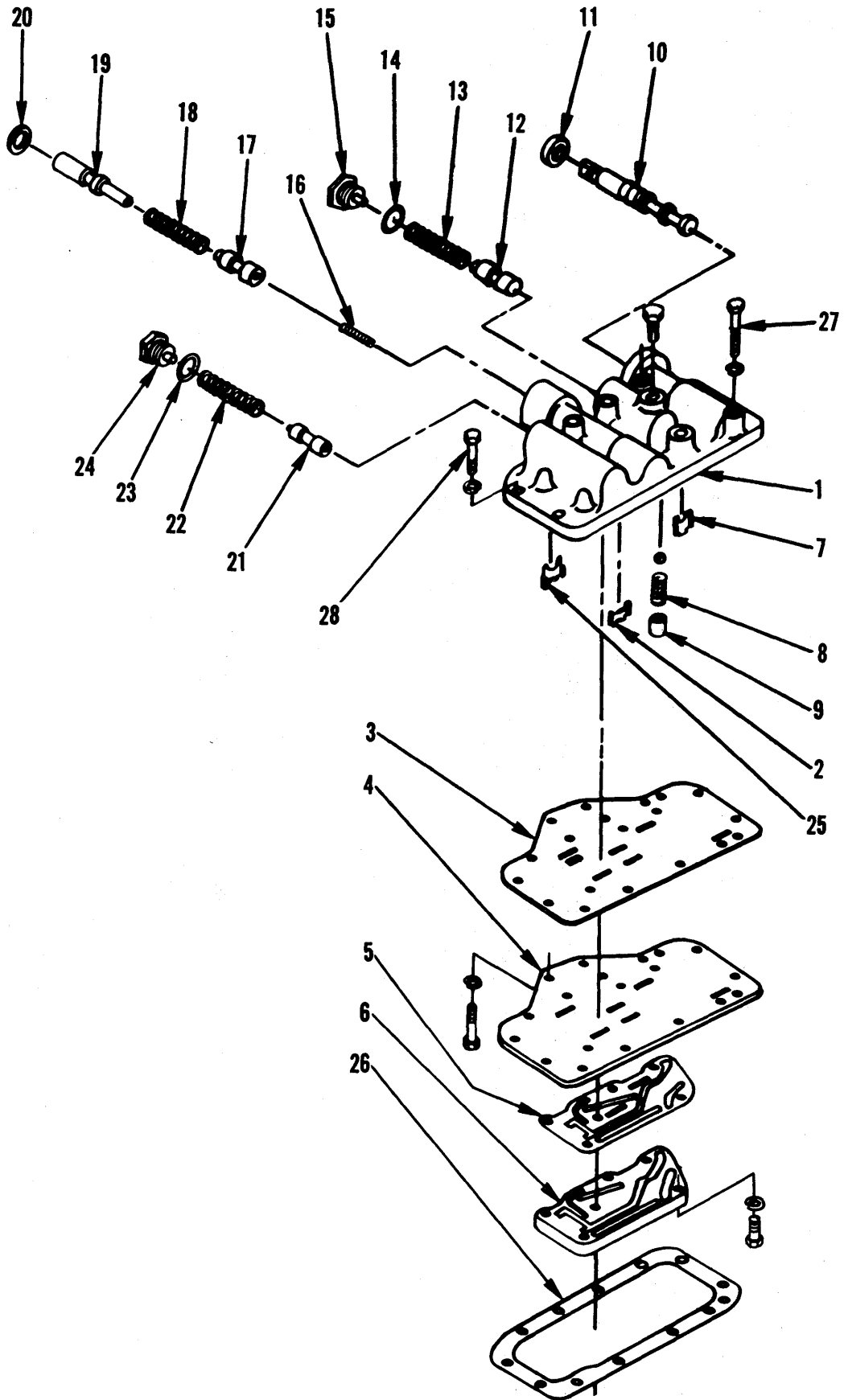
TRANSMISSION  
FORWARD & REVERSE DISK

ITEM	NUMBER	QTY.	DESCRIPTION
-	1002952-8	1	DISK ASY. (Incl. Items 1, 2, 3, 5 thru 15 & 18)
1	4987609-7	2	RING, snap
2	4987612-1	1	CYLINDER, front clutch (Prior Tr. S/N 2582)
	4996438-0	1	SCREW
	4999539-2	1	LOCKPLATE
	1002959-3	1	CYLINDER, front clutch (Eff. Tr. S/N 2582 & Up)
	4996438-0	2	SCREW
	4999539-2	2	LOCKPLATE
	4801860-0	1	SLEEVE ASY., flyball (Not shown)
3	4987607-1	2	RING, piston sealing (large)
4	4905788-8	1	RING, sealing
5	1006880-7	1	SHAFT ASY., input (Incl. Item 6)
	0922925-3	8	BOLT, place
6	4254654-9	1	BEARING, needle
7	4987606-3	2	RING, piston sealing (small)
8	4999280-3	1	DRUM, disk (Incl. Item 9)
9	4987603-0	4	PIN, drum
10	1002947-8	1	PLATE & HUB ASY., reverse clutch
11	4987605-5	1	PISTON, clutch (Prior Tr. S/N 2582)
	1002951-0	1	PISTON, clutch (Eff. Tr. S/N 2582 & Up)
12	4987611-3	24	SPRING, drive disk retractor
13	1002946-0	1	PLATE & HUB ASY., forward clutch
14	4987605-5	1	PISTON, clutch
15	1002949-4	1	CYLINDER ASY. (Incl. Item 18 & PLUGS)
	1007046-4	2	PLUG
	4996438-0	2	SCREW
	4999539-2	2	LOCKPLATE
	4801860-0	1	SLEEVE ASY., flyball (Not shown)
16	4995592-5	2	RING, sealing
17	4995595-8	1	RETAINER
	0921977-5	5	CAPSCREW
	0917356-8	5	LOCKWASHER, 5/16
18	4255470-9	1	BEARING, needle
19	1012174-7	1	BEARING, needle
20	4995594-1	1	SHAFT, forward drive
21	4987702-0	1	RING, snap
22	4995626-1	1	RING, snap (To outer bearing)





TRANSMISSION  
VALVE ASY.

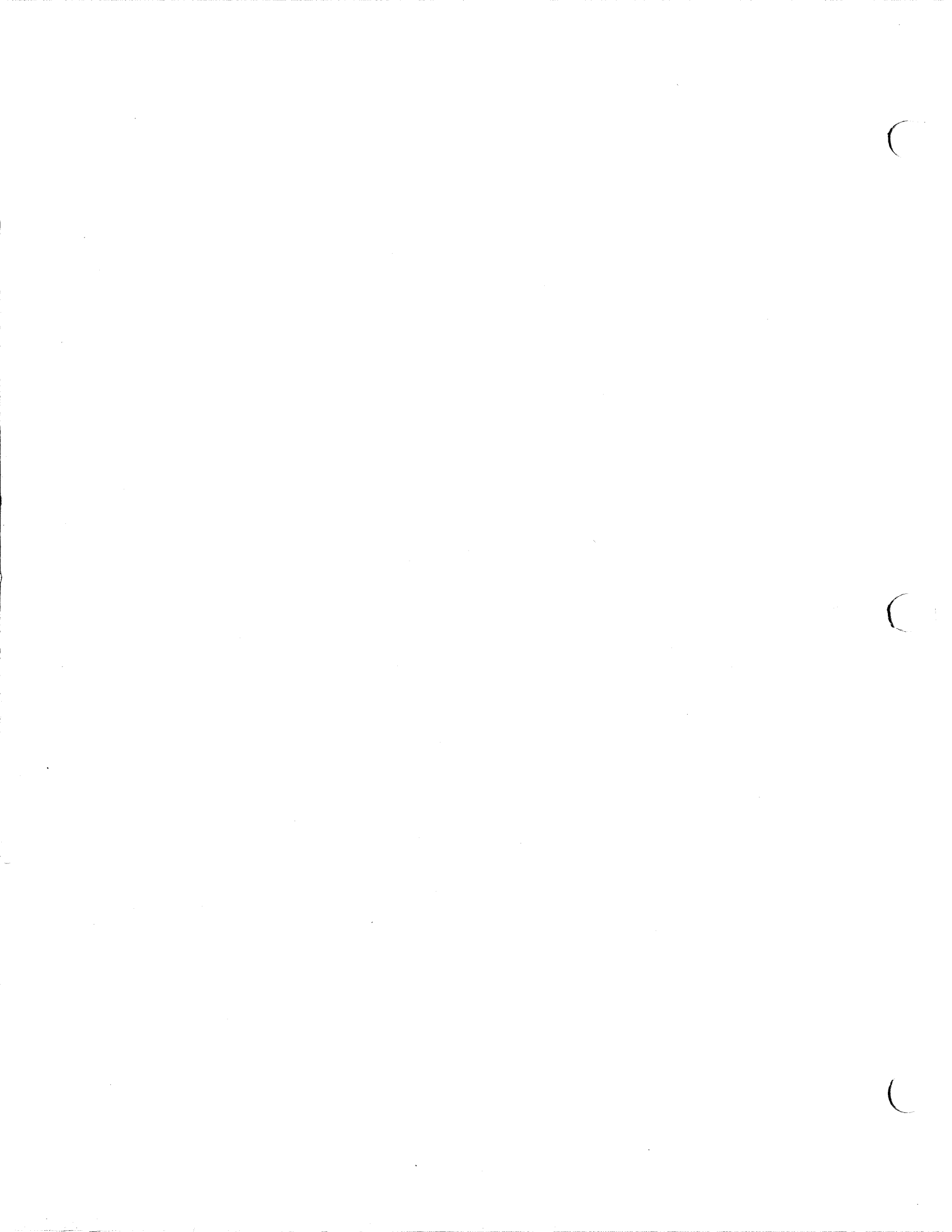


816 & 816B TRACTORS  
DRIVE TRAIN

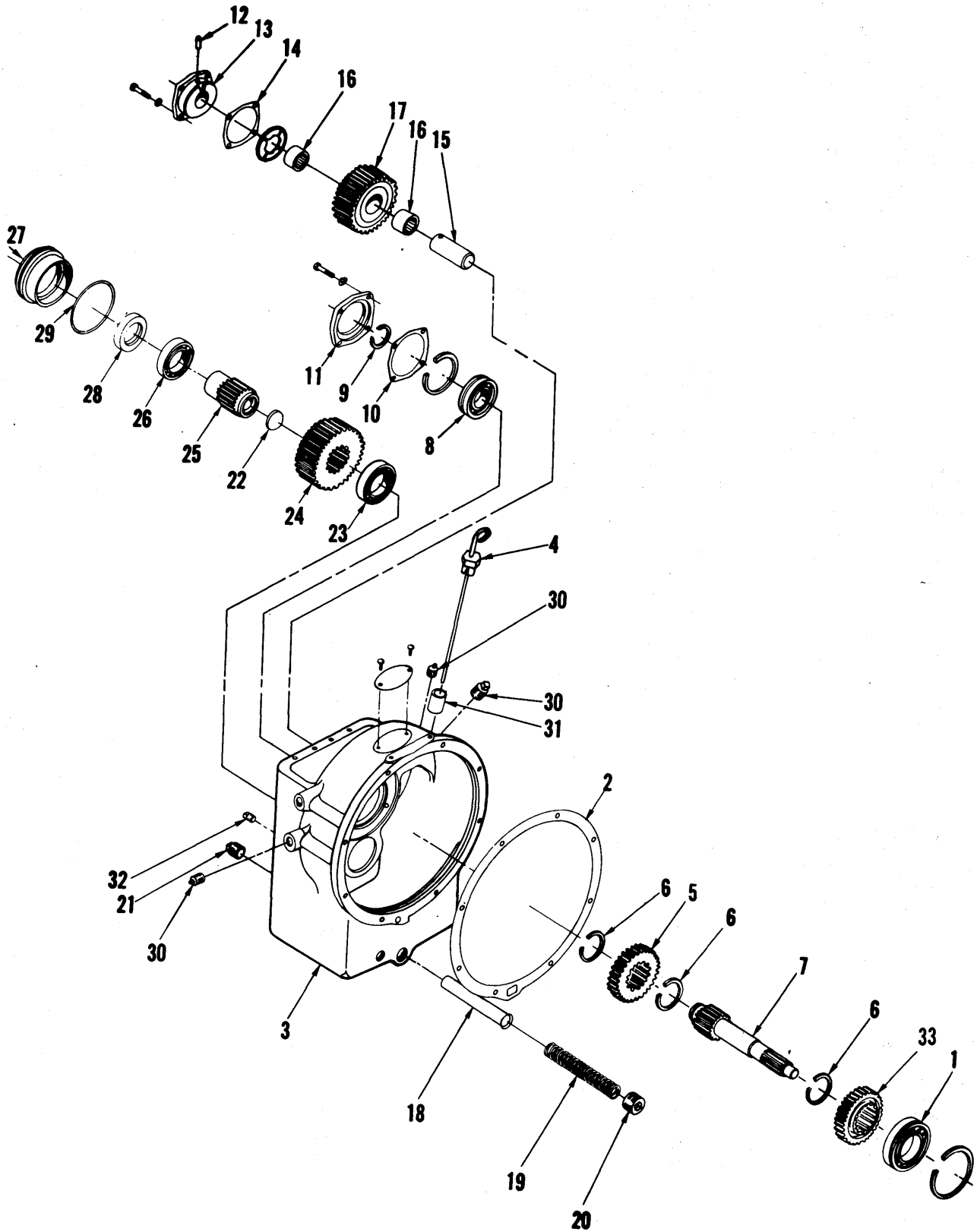
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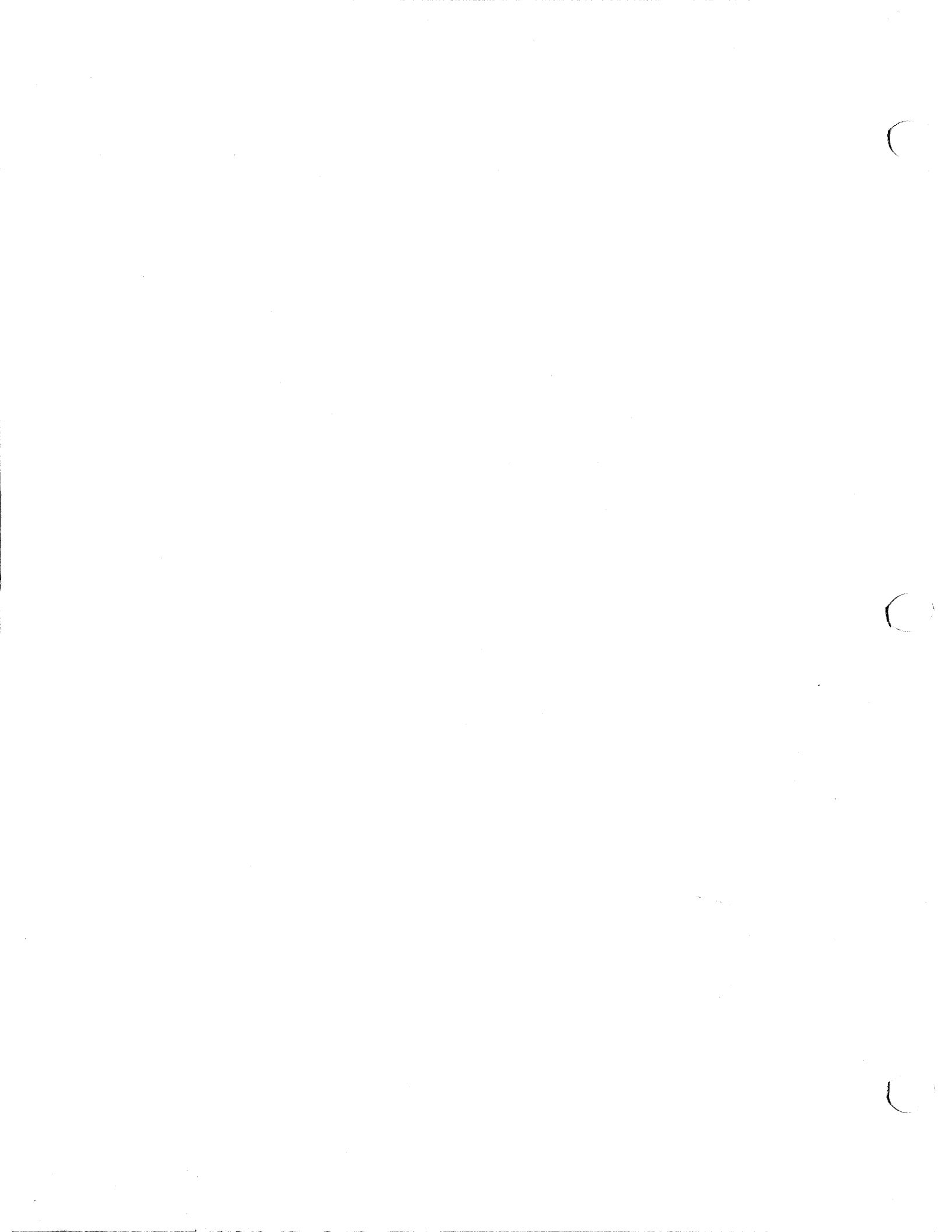
TRANSMISSION  
VALVE ASY.

ITEM	NUMBER	QTY.	DESCRIPTION
1	4992185-1	1	BODY ASY. (Incl. Items 9, 11 & 20) (Prior Tr. S/N 2582)
	0919134-7	2	PLUG
	1002961-9	1	BODY ASY. (Incl. Items 11 & 20) (Eff. Tr. S/N 2582 & Up)
2	4987637-8	1	STOP, inching valve
3	4999357-9	1	GASKET, separator plate
4	4999356-1	1	PLATE, separator (Prior Tr. S/N 2582)
	1002964-3	1	PLATE, separator (Eff. Tr. S/N 2582 & Up)
	0923325-5	2	CAPSCREW
	0917356-8	2	LOCKWASHER, 5/16
5	4987642-8	1	GASKET, valve body cover
6	4987641-0	1	COVER, valve body
	0921977-5	6	CAPSCREW
	0917356-8	6	LOCKWASHER, 5/16
7	4988116-2	1	STOP, selector valve
8	1006891-4	1	SPRING, detent, selector valve
	0921874-4	1	BALL, detent
9	4991745-3	1	SLEEVE, detent
10	4992484-8	1	SELECTOR, valve
11	4254666-3	1	SEAL, oil
12	4987630-3	1	VALVE, regulator
13	4987673-3	1	SPRING
14	4987634-5	1	GASKET
15	4987635-2	1	SCREW, retainer
16	4988062-8	1	SPRING, inching valve
17	4988061-0	1	VALVE, inching (Prior Tr. S/N 2582)
	1002962-7	1	VALVE, inching (Eff. Tr. S/N 2582 & Up)
18	1006890-6	1	SPRING, valve (Prior Tr. S/N 2582)
	1002963-5	1	SPRING, valve (Eff. Tr. S/N 2582 & Up)
19	4989049-4	1	PLUNGER, inching valve
20	4254697-8	1	SEAL, oil
21	4991746-1	1	VALVE, regulator
22	4987631-1	1	SPRING, regulator valve
23	4987634-5	1	GASKET
24	4987635-2	1	SCREW, retainer
25	4987633-7	1	STOP, inching valve plunger
26	<del>4987633-7</del>	1	GASKET, valve to case 505076127
27	0921160-8	4	CAPSCREW
	0917356-8	4	LOCKWASHER, 5/16
28	0921977-5	8	CAPSCREW
	0917356-8	8	LOCKWASHER, 5/16
-	1002957-7	1	VALVE, relief (Eff. Tr. S/N 2582 & Up) (Not shown)



TRANSMISSION  
FORWARD-REVERSE ASY.



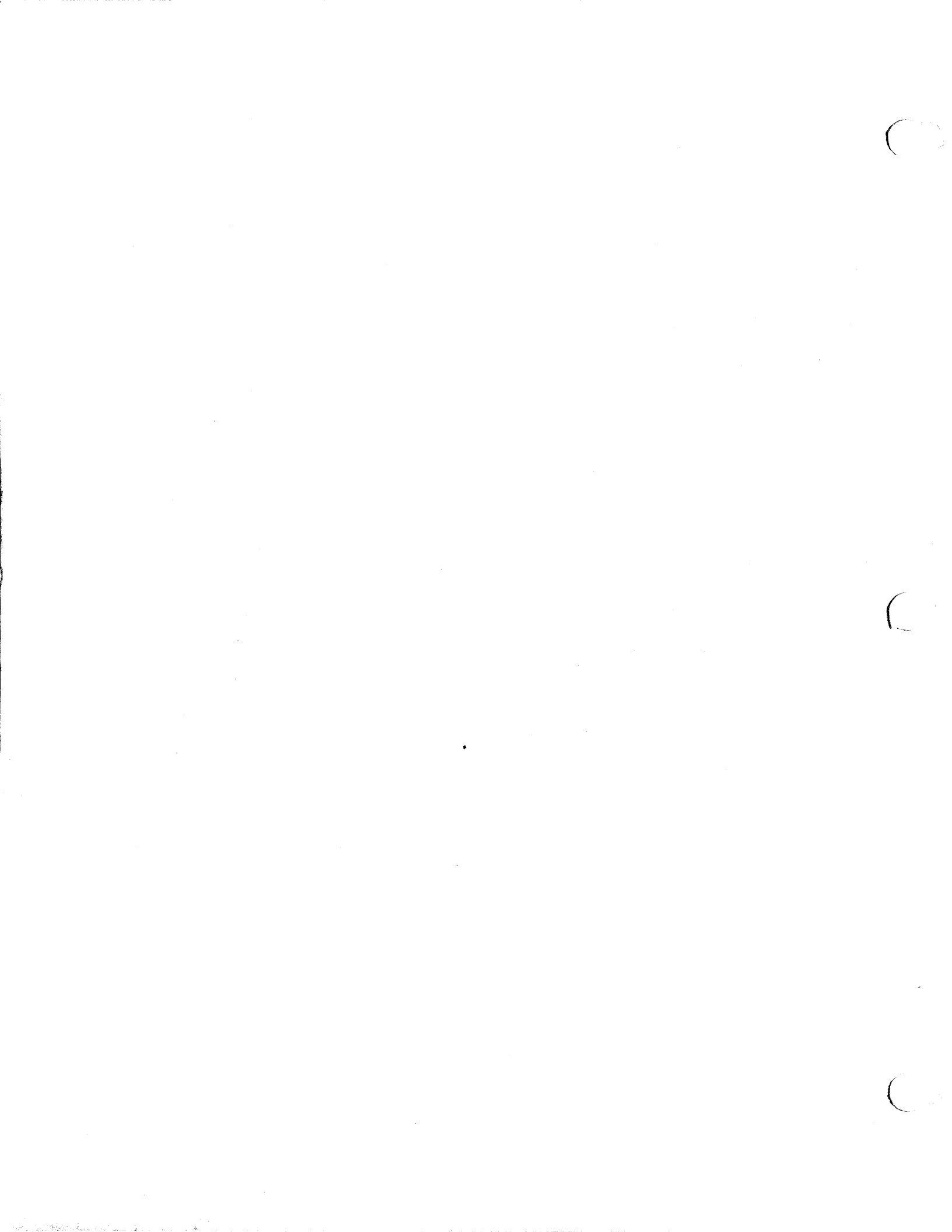


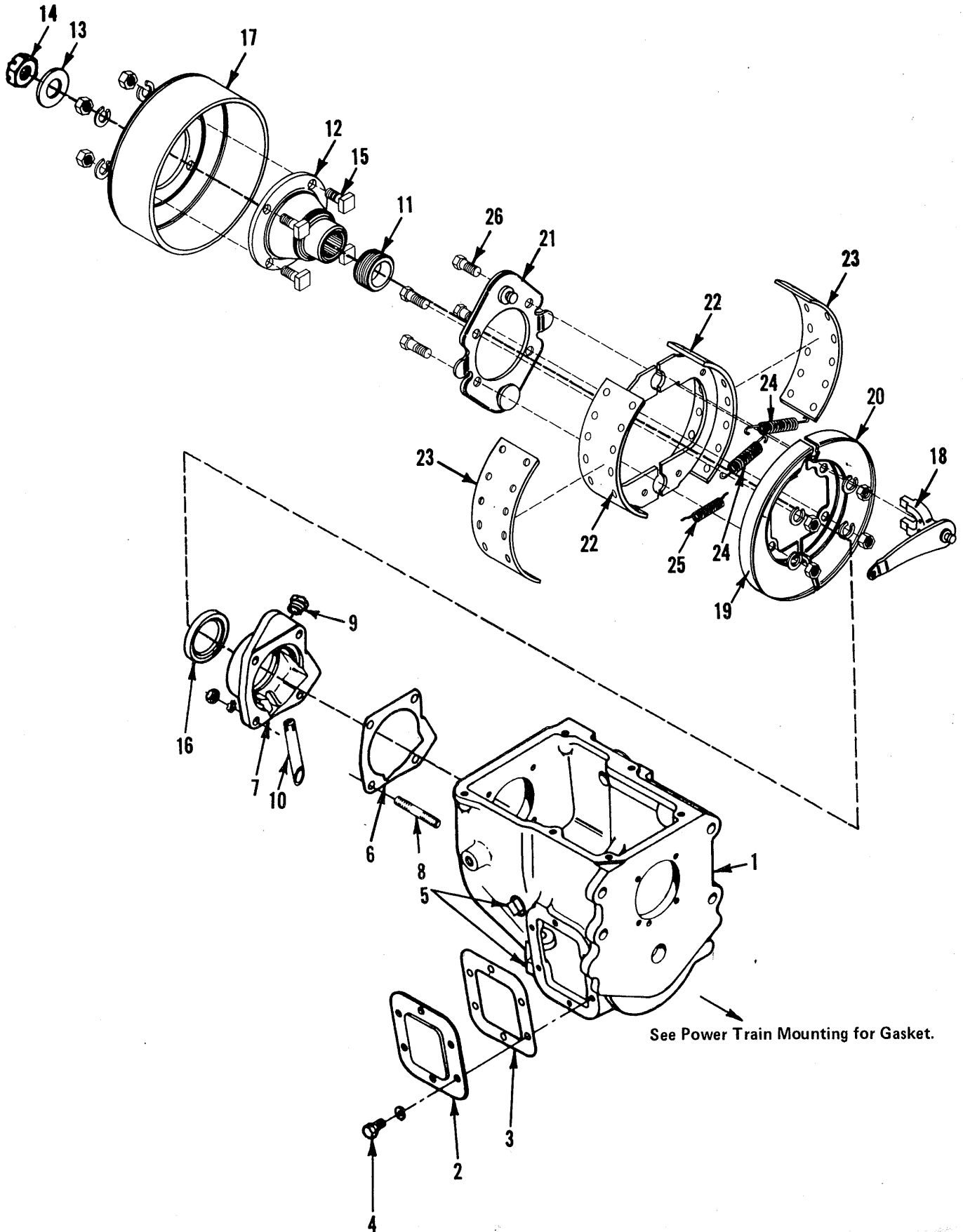
816 & 816B TRACTORS  
DRIVE TRAIN

121

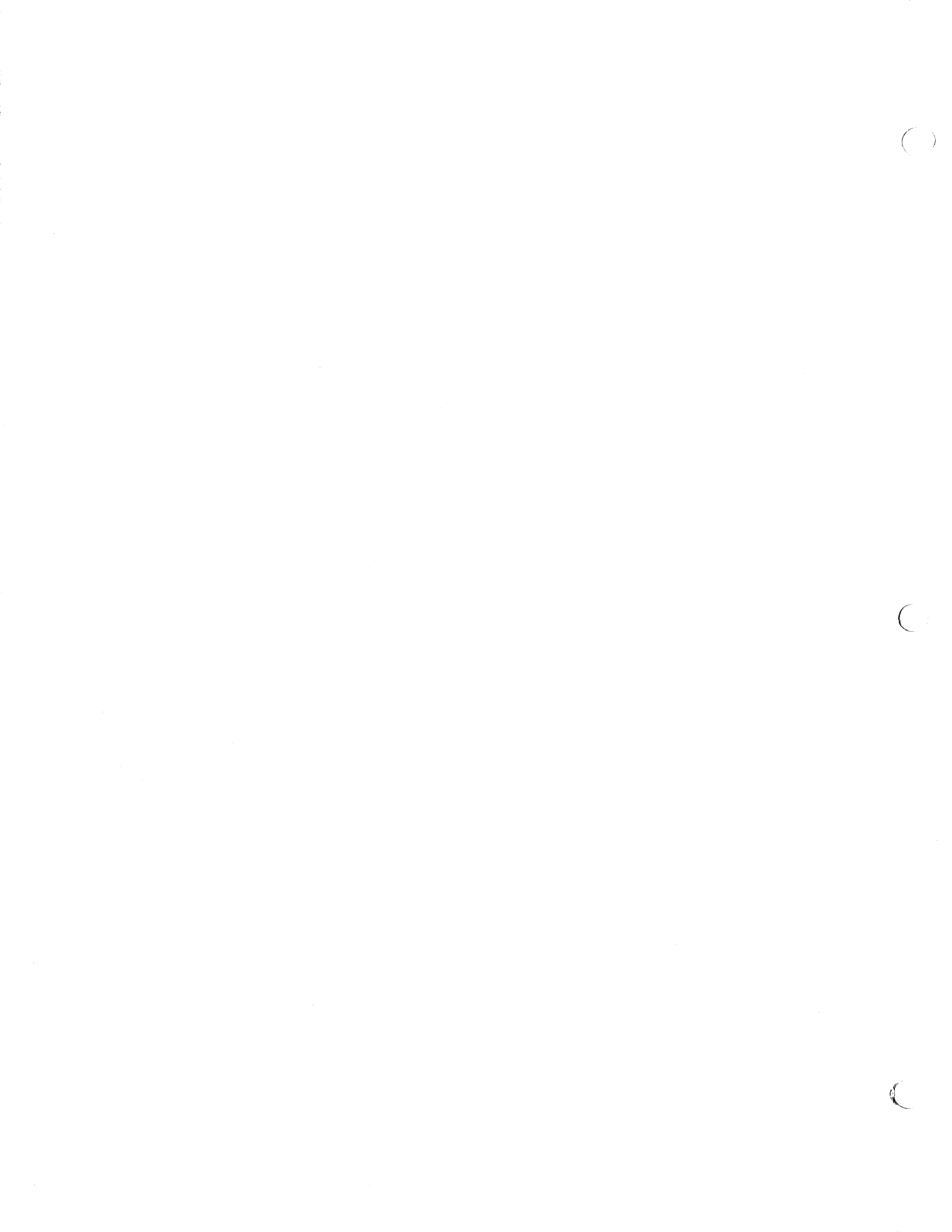
TRANSMISSION  
FORWARD-REVERSE ASY.

ITEM	NUMBER	QTY.	DESCRIPTION
—	1013679-4	—	TRANSMISSION ASY., forward & reverse
1	4995627-9	1	BEARING, ball
	4995626-1	1	RING, snap
2	4909118-4	1	GASKET, adapter to transmission case
3	1007376-5	1	TRANSMISSION CASE ASY. (Incl. Items 23, 30 & 31)
4	4987644-4	1	DIPSTICK, oil
5	1006877-3	1	GEAR, reverse
6	4987702-0	3	RING, snap
7	4987595-8	1	SHAFT, reverse drive
8	1002941-1	1	BEARING
	1007047-2	1	RING, snap
9	4987703-8	1	RING, snap
10	4987596-6	1	GASKET, bearing retainer
11	4987597-4	1	RETAINER, bearing
	0926671-9	4	CAPSCREW
	0917356-8	4	LOCKWASHER, 5/16
12	4987589-1	1	PIN, idler shaft
13	4908325-6	1	RETAINER, idler shaft
	0926671-9	4	CAPSCREW
	0917356-8	4	LOCKWASHER, 5/16
14	4987590-9	1	GASKET, idler shaft retainer
15	4987588-3	1	SHAFT, idler
16	4253326-5	2	BEARING, needle
17	1018043-8	1	GEAR ASY., idler (Does not include Bearings) (Eff. Tr. S/N 2582 & Up)
	4997587-3	2	WASHER, thrust
	1002935-3	48	BEARING, needle
	1002936-1	3	SPACER, needle
18	4999354-6	1	SCREEN
19	4999355-3	1	SPRING
20	0918888-9	1	PLUG, pipe
21	0905261-4	1	PLUG, pipe
22	0910007-4	1	PLUG, expansion
23	0241833-3	1	BEARING, ball
24	4987583-4	1	GEAR, countershaft
25	4906471-0	1	SHAFT, output (Incl. Item 22)
26	0241833-3	1	BEARING, ball
27	1006809-6	1	RETAINER ASY., shaft (Incl. Items 26, 28 & 29)
28	0229966-7	1	SEAL, oil
29	0923817-1	1	O-RING
30	0919840-9	3	PLUG, pipe
31	4907882-7	1	TUBE, dipstick
32	0918850-9	1	PLUG, pipe
33	4987593-3	1	GEAR, forward



TRANSMISSION  
CASE & PARKING BRAKE  
4-SPEED



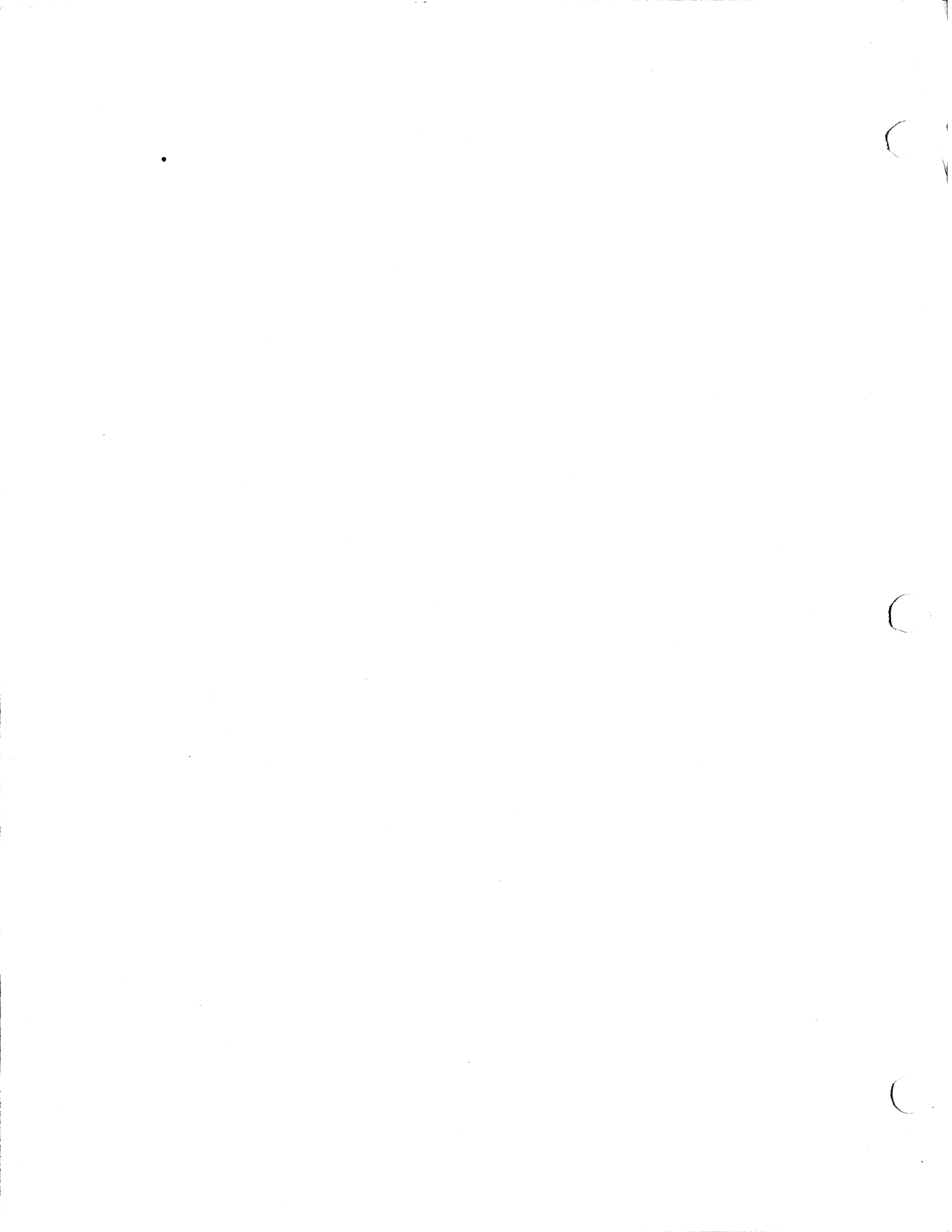


816 & 816B TRACTORS  
DRIVE TRAIN

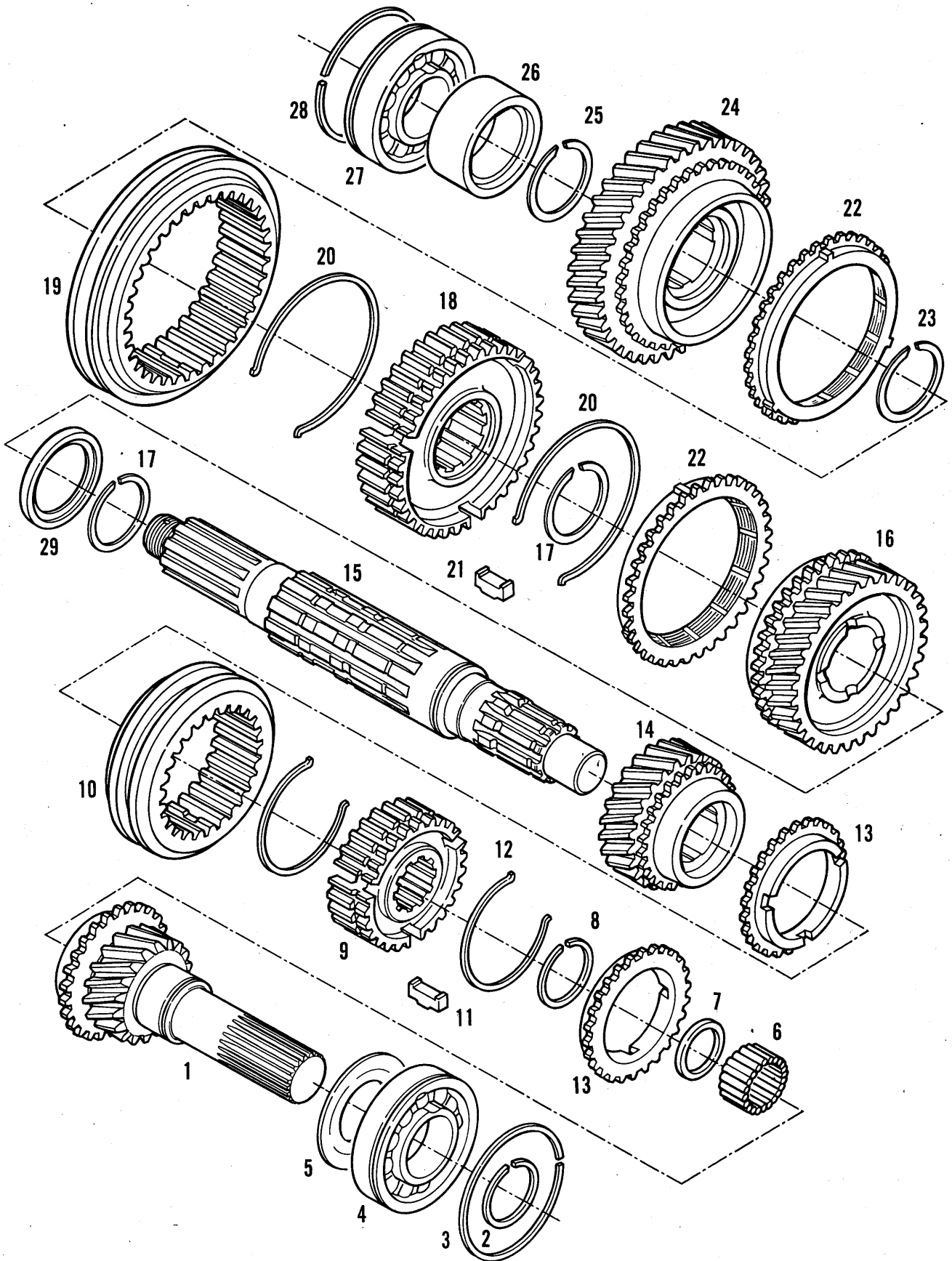
123

TRANSMISSION  
CASE & PARKING BRAKE  
4-SPEED

ITEM	NUMBER	QTY.	DESCRIPTION
-	1006194-3	1	TRANSMISSION ASY., 4-speed (Use component parts)
1	1006740-3	1	CASE, transmission (Incls. Item 8 STUDS)
2	4981202-7	1	COVER, power opening
3	4981203-5	1	GASKET, power opening
4	0922586-3	6	CAPSCREW
	0916965-7	6	LOCKWASHER, 3/8
5	0912726-7	2	PLUG, pipe
6	1006779-1	1	GASKET, retainer, main shaft bearing
7	1006803-9	1	RETAINER, bearing, main shaft
8	1017028-0	4	STUD
	0916966-5	4	LOCKWASHER, 1/2
	0919423-4	4	NUT, 1/2NF
9	1006760-1	1	PLUG, speedometer opening
10	1006742-9	1	TUBE, oil
11	1006759-3	1	SPACER, speedometer gear
12	1006761-9	1	FLANGE, companion
13	1006746-0	1	WASHER, main shaft
14	1006745-2	1	NUT, main shaft
15	0911978-5	4	BOLT, square headed
	0916966-5	4	LOCKWASHER, 1/2
	0919423-4	4	NUT, 1/2NF
16	1006781-7	1	SEAL, oil
17	1006797-3	1	BRAKE DRUM, parking
18	1006780-9	1	CAM & LEVER, brake
19	1006743-7	1	SHIELD, brake, R.H.
20	1006744-5	1	SHIELD, brake, L.H.
21	1007040-7	1	PLATE ASY., brake
22	1007037-3	2	SHOE ASY., brake (Incls. BRAKE LINING)
23	1007041-5	-	LINING KIT, brake (Incls. 2 LININGS & 24 RIVETS)
24	1007038-1	2	SPRING, brake, top
25	1007039-9	1	SPRING, brake, bottom
26	0924119-1	4	CAPSCREW
	0916966-5	4	LOCKWASHER, 1/2
	0919423-4	4	NUT, 1/2NF



TRANSMISSION  
MAIN SHAFT  
4-SPEED

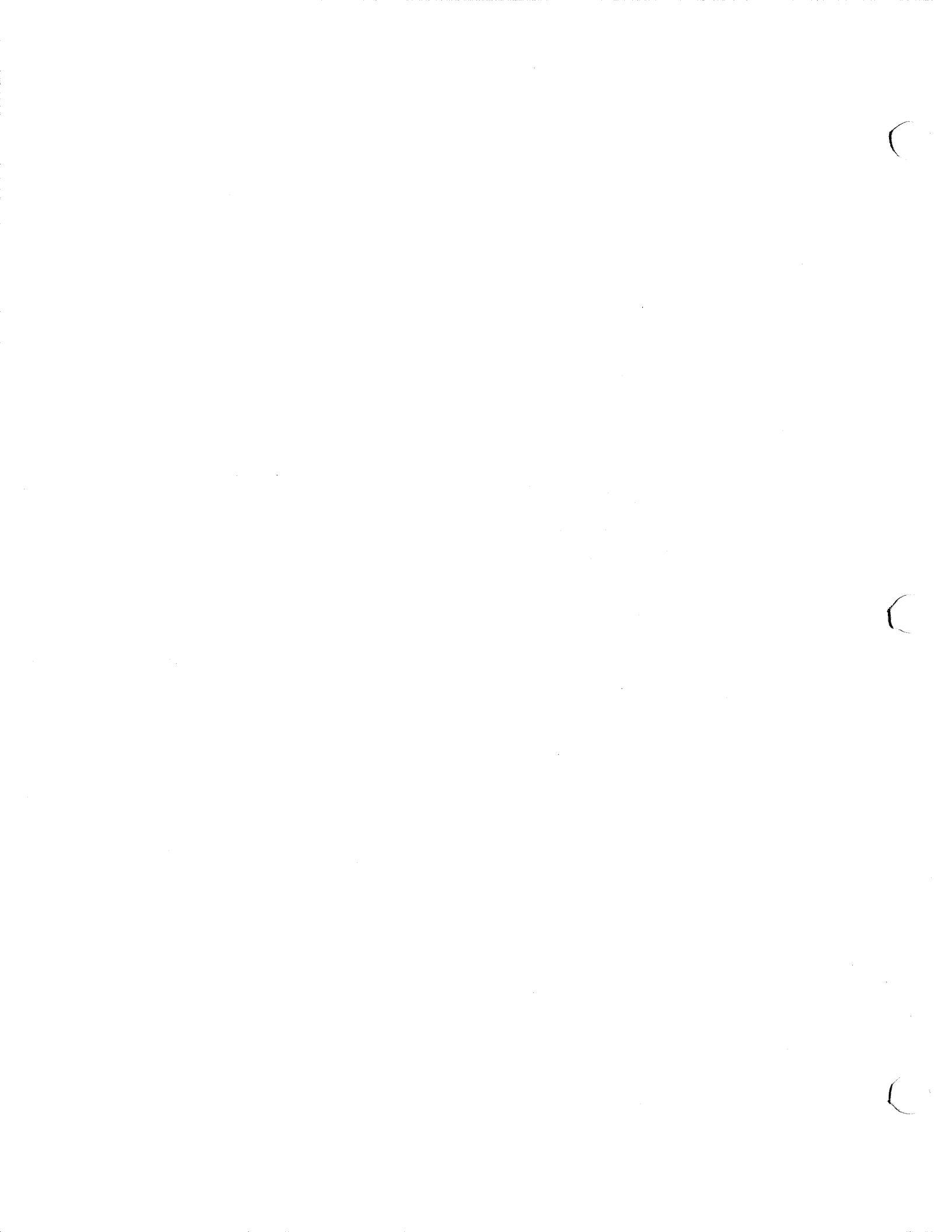


816 & 816B TRACTORS  
DRIVE TRAIN

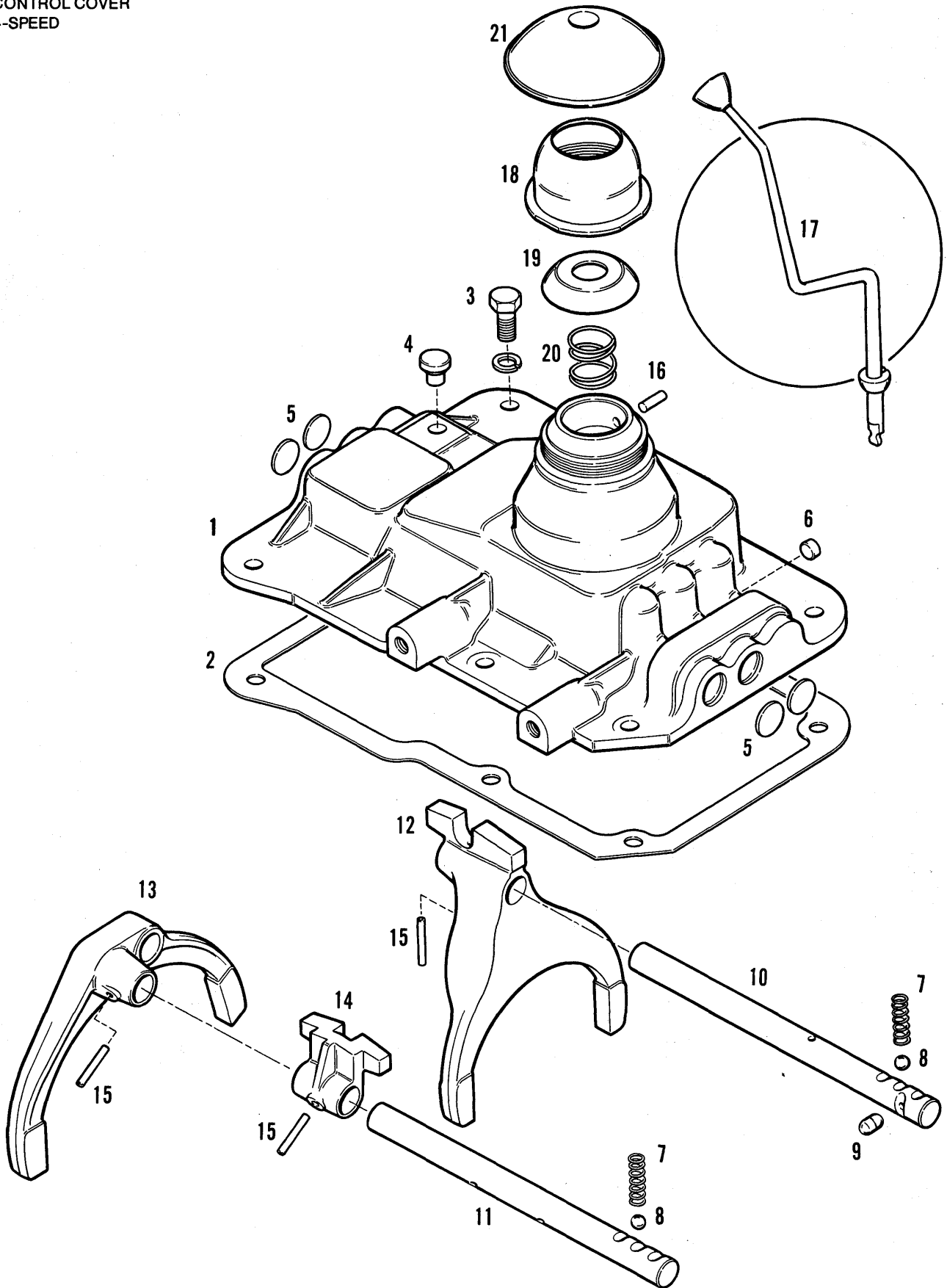
125

TRANSMISSION  
MAIN SHAFT  
4-SPEED

ITEM	NUMBER	QTY.	DESCRIPTION
1	1006796-5	1	GEAR, main drive
2	1006758-5	—	RING, snap (.117/.119 thick) (Use 1 as req'd)
	1007034-0	—	RING, snap (.120/.122 thick) (Use 1 as req'd)
	1007035-7	—	RING, snap (.123/.125 thick) (Use 1 as req'd)
	1007036-5	—	RING, snap (.127/.129 thick) (Use 1 as req'd)
3	1006752-8	1	RING, snap
4	1006757-7	1	BEARING, annular
5	4983961-6	1	BAFFLE, oil, main drive gear
6	4981218-3	22	BEARING, roller
7	4981219-1	1	SPACER
8	1017029-8	1	RING, snap
—	1006769-2	1	SYNCHRONIZER ASY., 3rd & 4th gear (Incls. Items 9 thru 12)
9	-----	1	HUB, synchronizer (Serviced in ASY.)
10	-----	1	SLEEVE, synchronizer (Serviced in ASY.)
11	1006772-6	3	PLATE, shifting
12	1006768-4	2	SPRING, synchronizer
13	1006767-6	2	RING, blocking, 3rd & 4th speed synchronizer
14	1006787-4	1	GEAR, main shaft, 3rd speed
15	1006786-6	1	SHAFT, main (Prior Tractor S/N 2582)
	1002965-0	1	SHAFT, main (Eff. Tractor S/N 2582 & Up)
16	1006788-2	1	GEAR, main shaft, 2nd speed
17	1006755-1	2	RING, snap, main shaft (For 1006786 use qty. of 1)
—	1006794-0	1	SYNCHRONIZER ASY., 1st & 2nd speed (Incls. Items 20 thru 23)
18	-----	1	HUB, synchronizer (Serviced in ASY.)
19	-----	1	COLLAR, synchronizer (Serviced in ASY.)
20	1006806-2	2	SPRING, synchronizer
21	0266423-3	3	PLATE, shifting
22	0266424-1	2	RING, blocking, 1st & 2nd speed
23	1006755-1	—	RING, snap (.092/.094 thick)
	1006774-2	—	RING, snap (.095/.097 thick)
	1007032-4	—	RING, snap (.098/.100 thick)
	1007033-2	—	RING, snap (.101/.103 thick)
24	1006790-8	1	GEAR, main shaft, 1st speed
25	1007033-2	1	RING, snap
26	1007246-0	1	SPACER, main shaft
27	1006753-6	1	BEARING, annular
28	1006752-8	1	RING, snap
29	1002966-8	1	WASHER, thrust (Eff. Tractor S/N 2582 & Up)



TRANSMISSION  
CONTROL COVER  
4-SPEED



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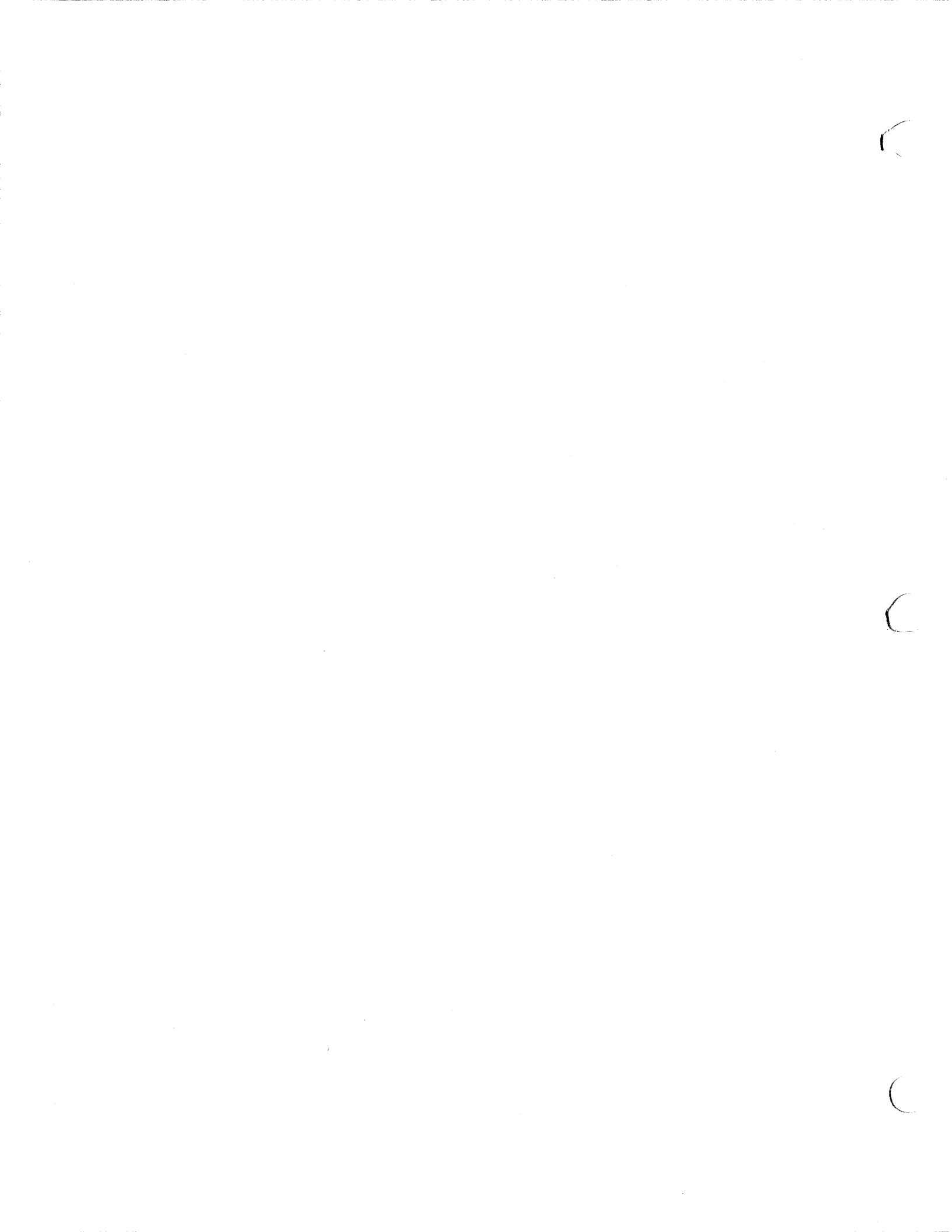


816 & 816B TRACTORS  
DRIVE TRAIN

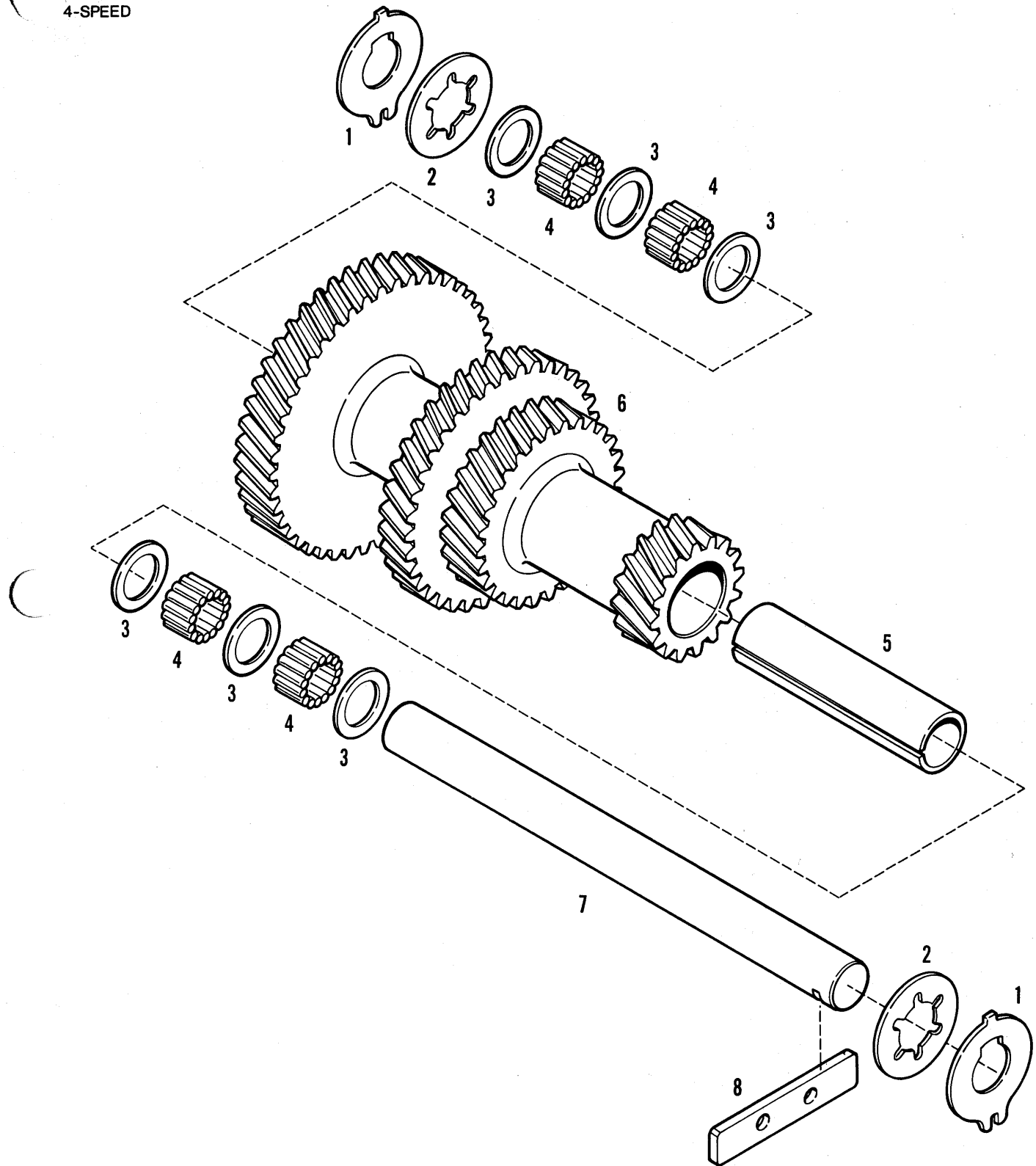
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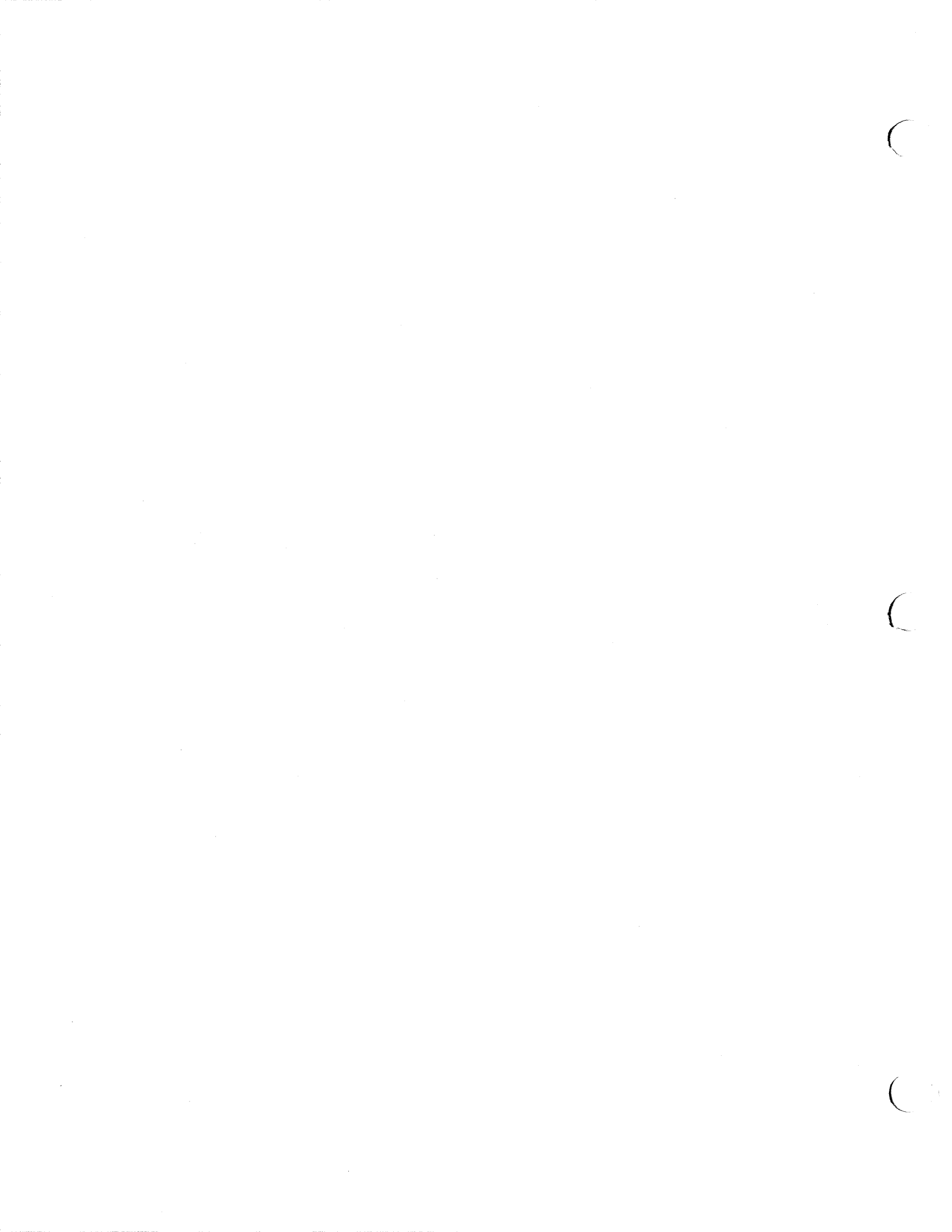
TRANSMISSION  
CONTROL COVER  
4-SPEED

ITEM	NUMBER	QTY.	DESCRIPTION
1	1006805-4	1	HOUSING, control
2	1006801-3	1	GASKET, control housing
3	0921966-8	4	CAPSCREW, 3/8NC x7/8
	0916965-7	4	LOCKWASHER, 3/8
4	0921967-6	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
5	1006765-0	1	BREATHER ASY.
6	0910002-5	6	PLUG, expansion
7	1006762-7	1	PLUG, taper
8	1006763-5	1	SPRING, poppet, 3rd & direct rail
9	4810541-5	1	SPRING, poppet, 1st & 2nd rail
10	1121184-4	2	BALL, steel
11	1006764-3	1	PLUNGER, interlock
12	1006782-5	1	RAIL, shift, 3rd & direct
13	1006783-3	1	RAIL, shift, 1st & 2nd
14	1006798-1	1	FORK, shift, 3rd & direct
15	1006799-9	1	FORK, shift, 1st & 2nd
16	1006784-1	1	END, shift rail, 1st & 2nd
17	1006882-3	3	PIN, roll
17	1006747-8	1	PIN, control housing
19	1006800-5	1	LEVER, control
20	1006749-4	1	CAP, control housing
21	1006750-2	1	WASHER, spring, control lever
22	1006751-0	1	SPRING, control lever
23	1007379-9	1	CAP, rubber



TRANSMISSION  
COUNTERSHAFT  
4-SPEED



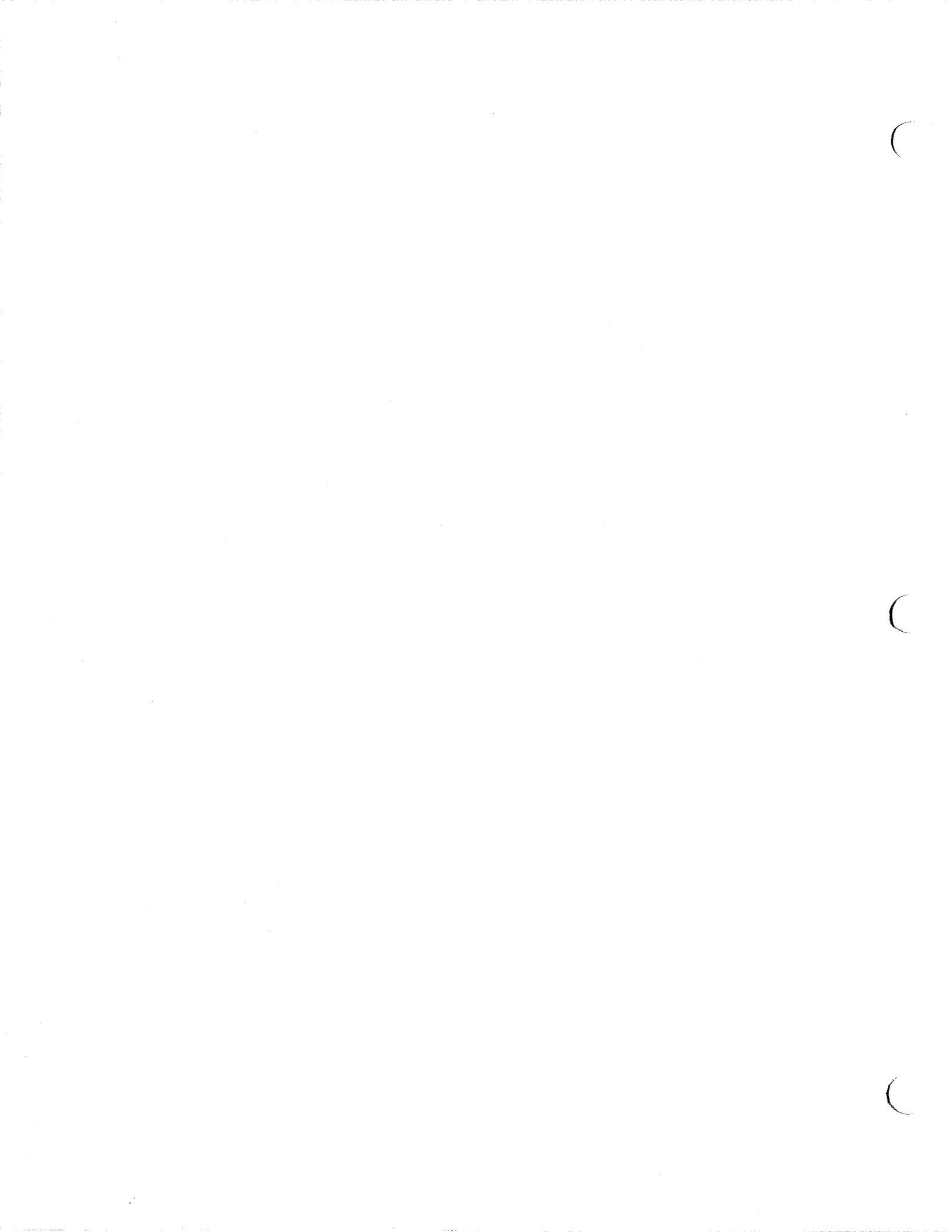


816 & 816B TRACTORS  
DRIVE TRAIN

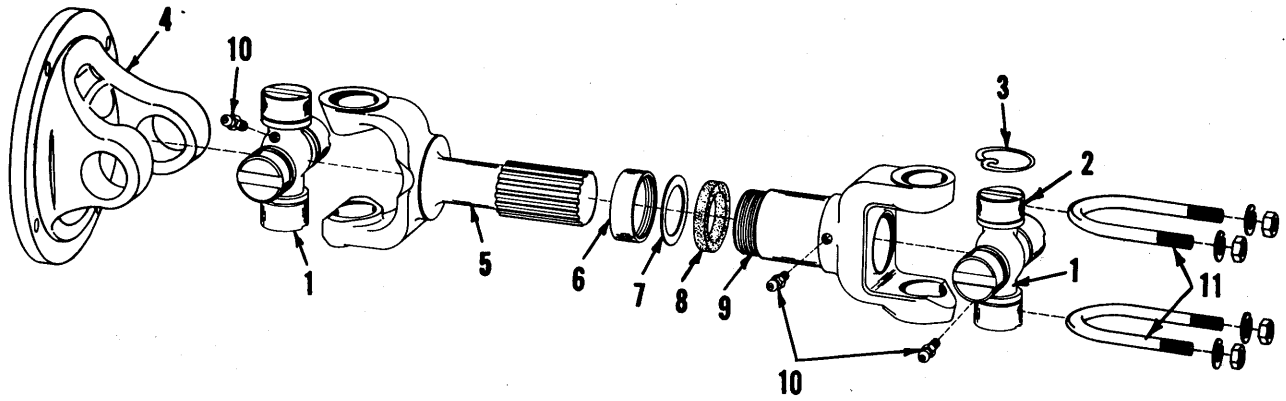
129

TRANSMISSION  
COUNTERSHAFT  
4-SPEED

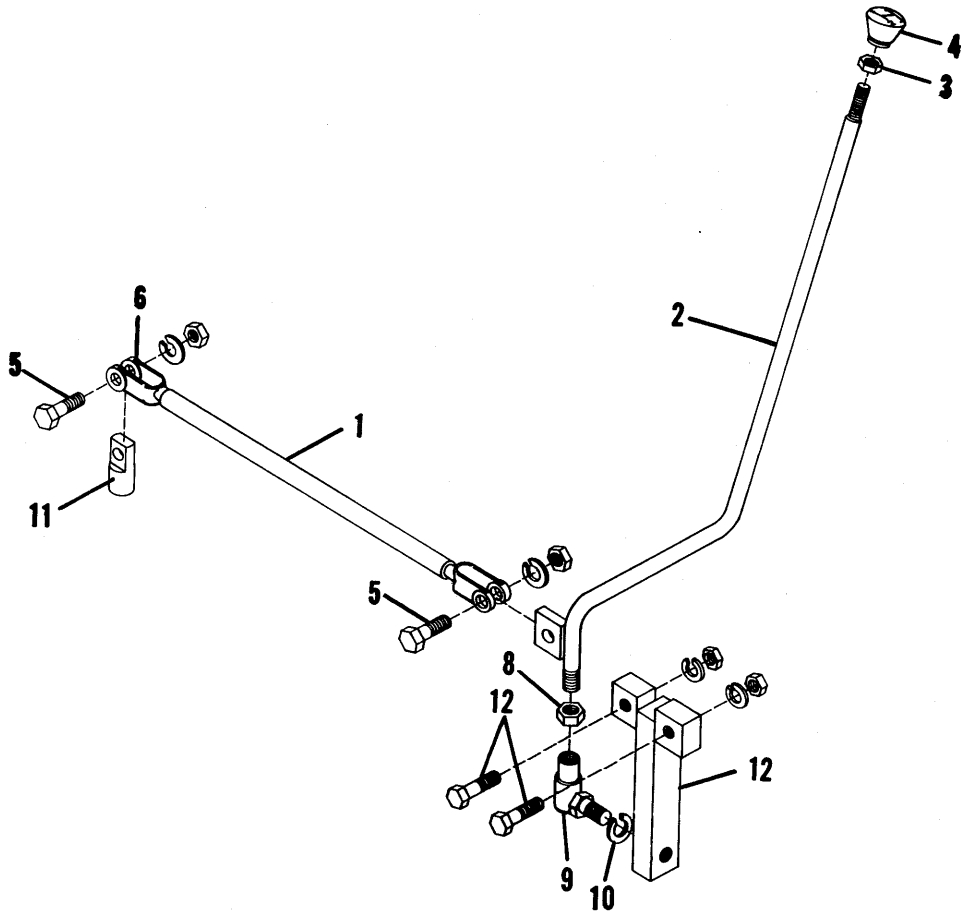
ITEM	NUMBER	QTY.	DESCRIPTION
1	1006776-7	2	WASHER, thrust
2	1006754-4	2	WASHER, thrust
3	4981219-1	7	SPACER, bearing
4	4981218-3	110	BEARING, roller
5	1006775-9	1	SPACER, bearing
6	1006795-7	1	GEAR, countershaft
7	1006777-5	1	COUNTERSHAFT
8	1006756-9	1	PLATE, lock, countershaft
	1121182-8	1	BOLT
	0912301-9	1	LOCKWASHER

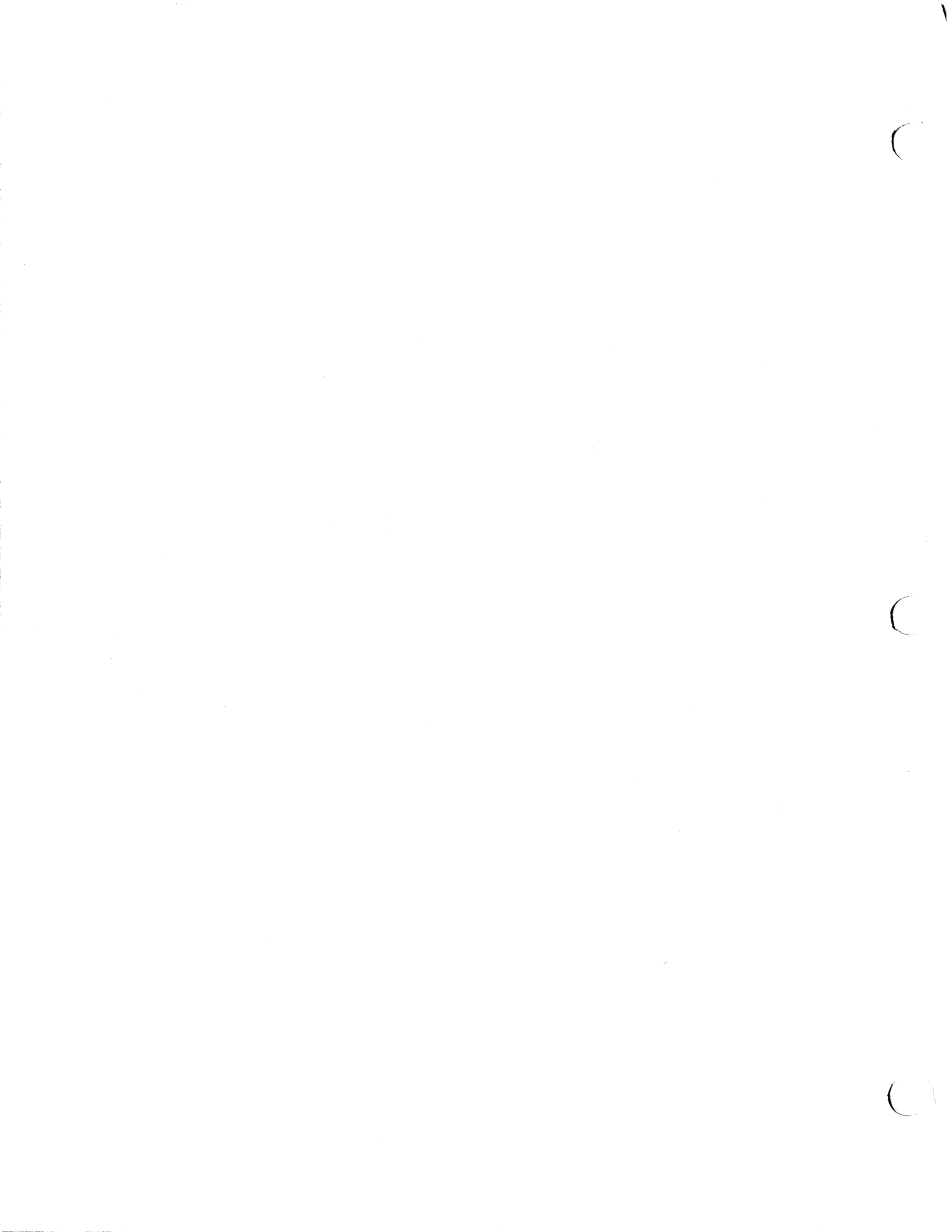


MAIN DRIVE SHAFT



CONTROL LINKAGE  
4-SPEED







816 & 816B TRACTORS  
DRIVE TRAIN

131

MAIN DRIVE SHAFT

ITEM	NUMBER	QTY.	DESCRIPTION
-	1006383-2	1	SHAFT ASY., main drive
1	0081559-7	2	U-JOINT KIT
2	-----	8	CUP ASY., bearing
3	-----	8	RING, snap
4	1006982-1	1	YOKE, flange
5	1006990-4	1	JOINT & TUBE ASY.
6	1006987-0	1	CAP, dust
7	1006989-6	1	WASHER
8	1006988-8	1	WASHER, cork
9	1006986-2	2	YOKE, sleeve
10	9002040-5	3	FITTING, grease, 1/4 str. (Pkg. of 10)
11	1006329-5	2	U-BOLT
	0916965-7	4	LOCKWASHER, 3/8
	0911041-2	4	NUT
-	0081559-7	-	U-JOINT KIT
	-----	4	CAP
	-----	1	CROSS
	-----	4	RING, snap

CONTROL LINKAGE  
4-SPEED

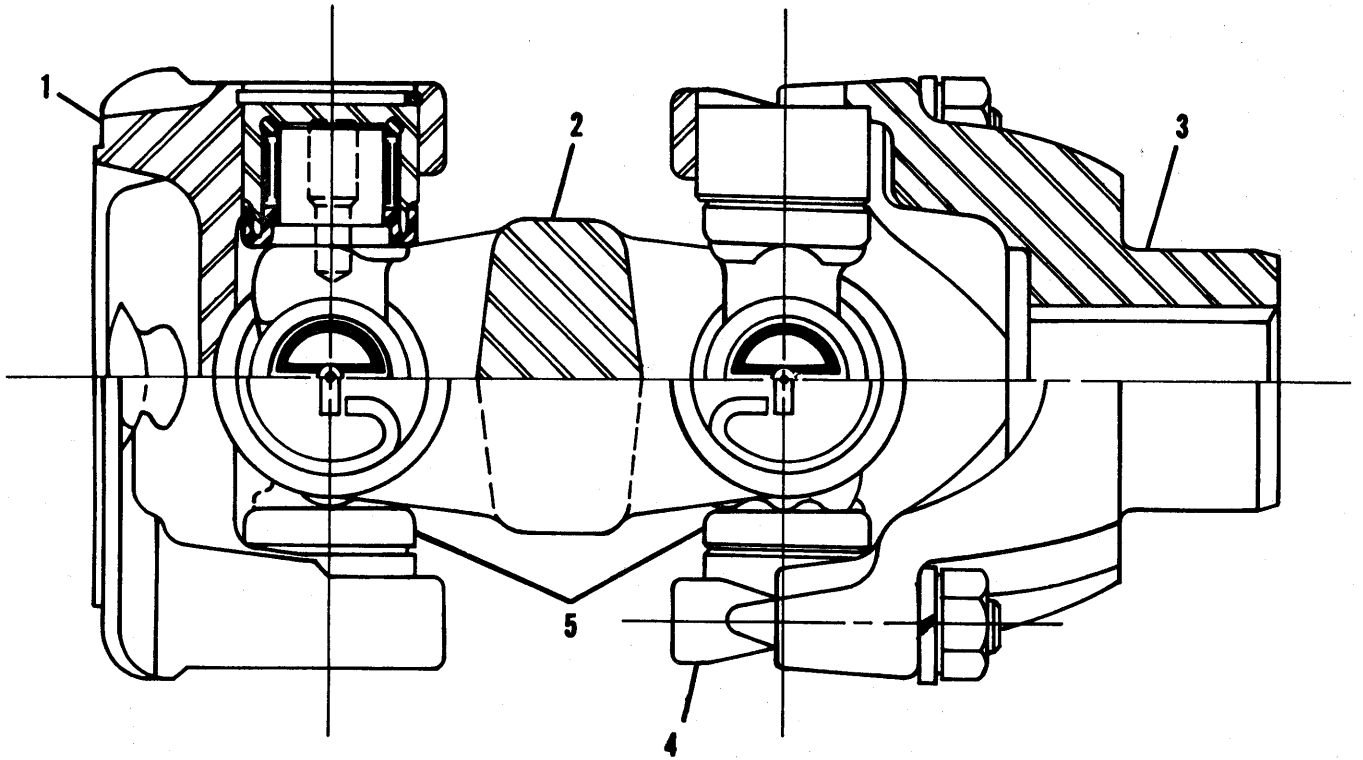
ITEM	NUMBER	QTY.	DESCRIPTION
1	1007089-4	1	ROD ASY., shift
2	1007016-7	1	LEVER ASY., shift
3	0917421-0	1	NUT, jam
4	1006315-4	1	KNOB, 4-speed
5	0242725-0	2	CAPSCREW
	0916966-5	2	LOCKWASHER, 1/2
	0916951-7	2	NUT, 1/2NC
6	0917666-0	1	YOKE
7	0919423-4	1	NUT, 1/2NF (Not shown)
8	0918241-1	1	NUT, jam
9	0242727-6	1	JOINT, ball
10	0917373-3	1	LOCKWASHER, 5/8
11	1006623-1	1	LINK, connector, shift rod
12	1007087-8	1	SUPPORT ASY., shift lever (Eff. S/N 816-2400 & Up)
	0920328-2	2	CAPSCREW
	0916966-5	2	LOCKWASHER, 1/2
	0917379-0	2	NUT

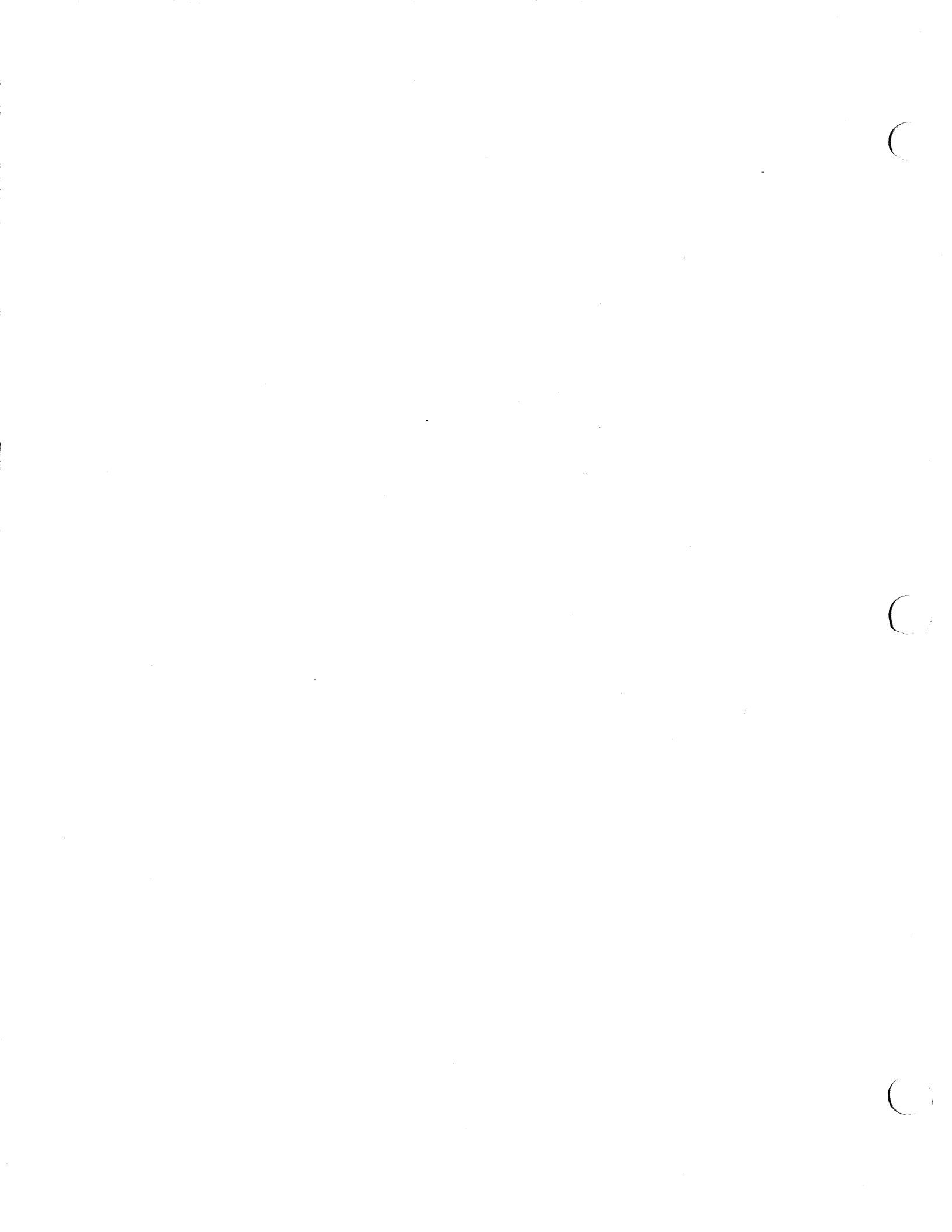
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PUMP DRIVE SHAFT



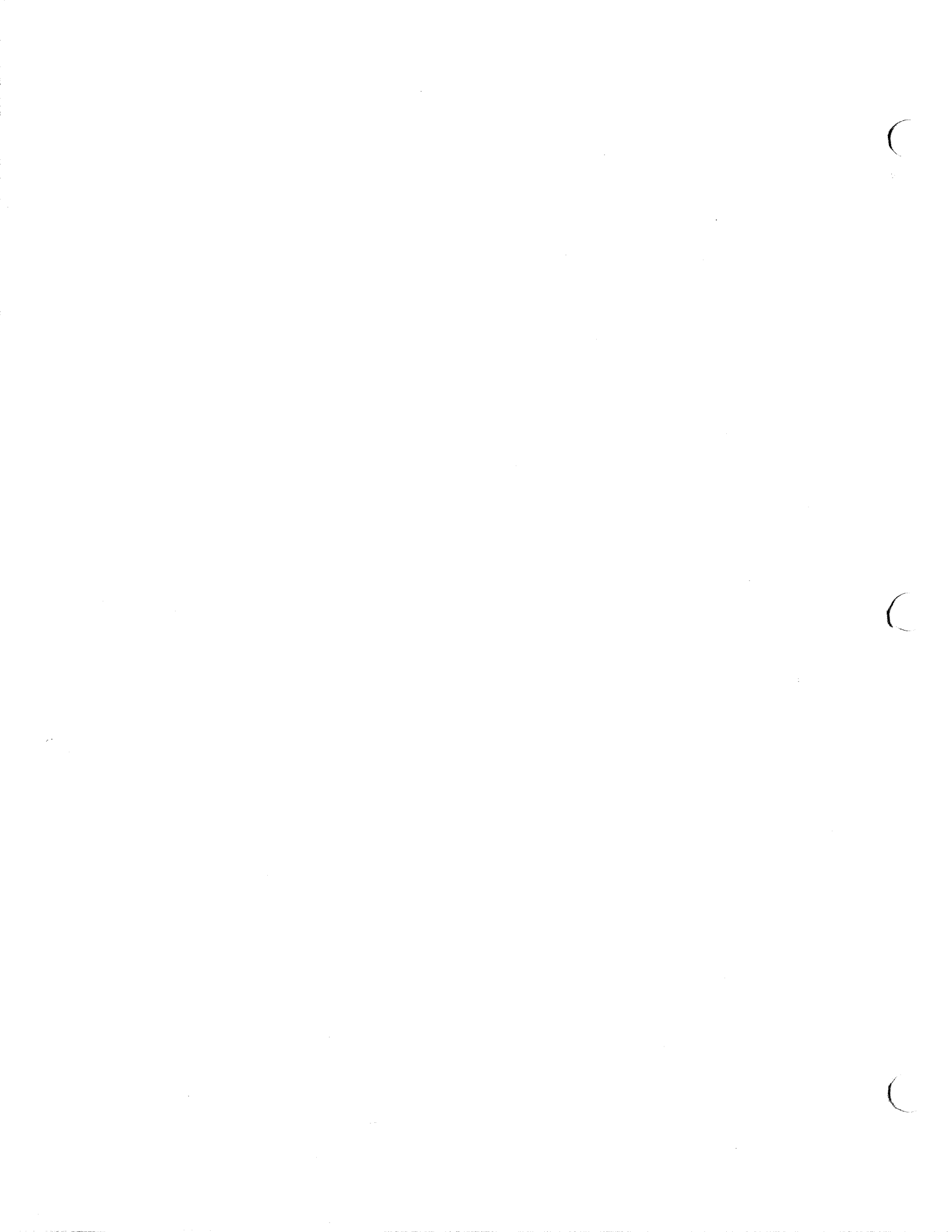


816 & 816B TRACTORS  
DRIVE TRAIN

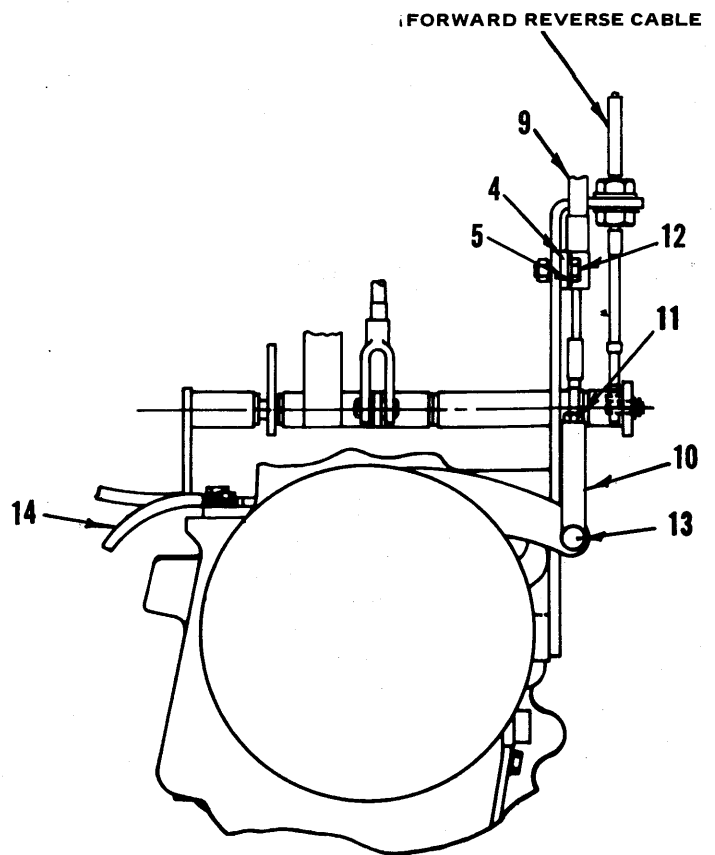
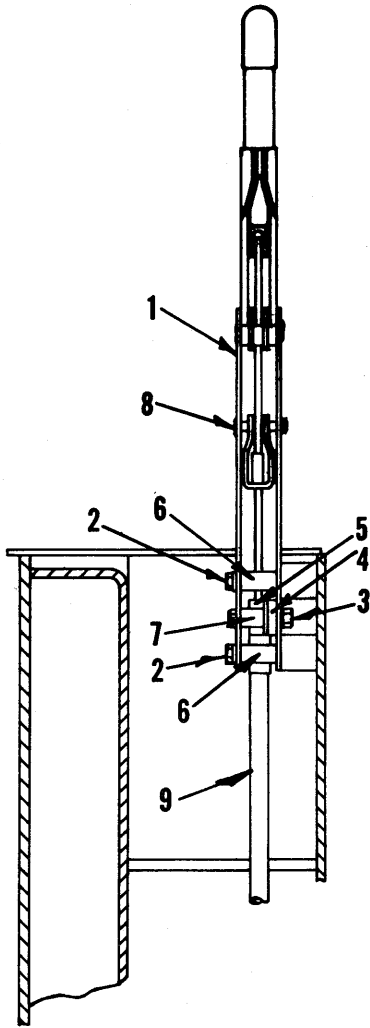
133

PUMP DRIVE SHAFT

ITEM	NUMBER	QTY.	DESCRIPTION
—	1006393-1	1	SHAFT ASY., drive (Incl. Items 1 thru 5)
1	1006971-4	1	YOKE
2	1006973-0	1	YOKE, center
3	1006974-8	1	YOKE
4	1007062-1	2	U-BOLT KIT (Incls. 1 U-BOLT, 2 ea. LOCKWASHERS & NUTS)
5	1007061-3	2	BEARING KIT (Incls. 1 CROSS YOKE, 4 ea. BEARING CAPS & SNAP RINGS)



CONTROLS  
PARKING BRAKE







816 & 816B TRACTORS  
DRIVE TRAIN

135

CONTROLS  
PARKING BRAKE

ITEM	NUMBER	QTY.	DESCRIPTION
1	1006419-4	1	LEVER, brake (Incls. Item 8)
2	0919785-6	4	CAPSCREW
	0917356-8	4	LOCKWASHER, 5/16
3	0919785-6	2	CAPSCREW
	0917356-8	2	LOCKWASHER, 5/16
	0917372-5	2	NUT, 5/16NC
4	1004338-8	2	SPACER, cable clamp
5	1004339-6	2	CLAMP, cable
6	1006737-9	4	SPACER
7	1006736-1	2	SPACER
8	0927523-1	1	PIN
	0918265-0	1	WASHER
	0918452-4	1	PIN, cotter, 1/8 x 1
9	1007028-2	1	CABLE ASY. (Incls. Items 10 & 11)
10	1007027-4	1	END, cable
11	0920438-9	2	NUT, jam
12	0921210-1	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
13	0923093-9	1	PIN
	0918265-0	1	WASHER
	0918448-2	1	PIN, cotter
14	1006395-6	1	CABLE, battery, ground, L.H.

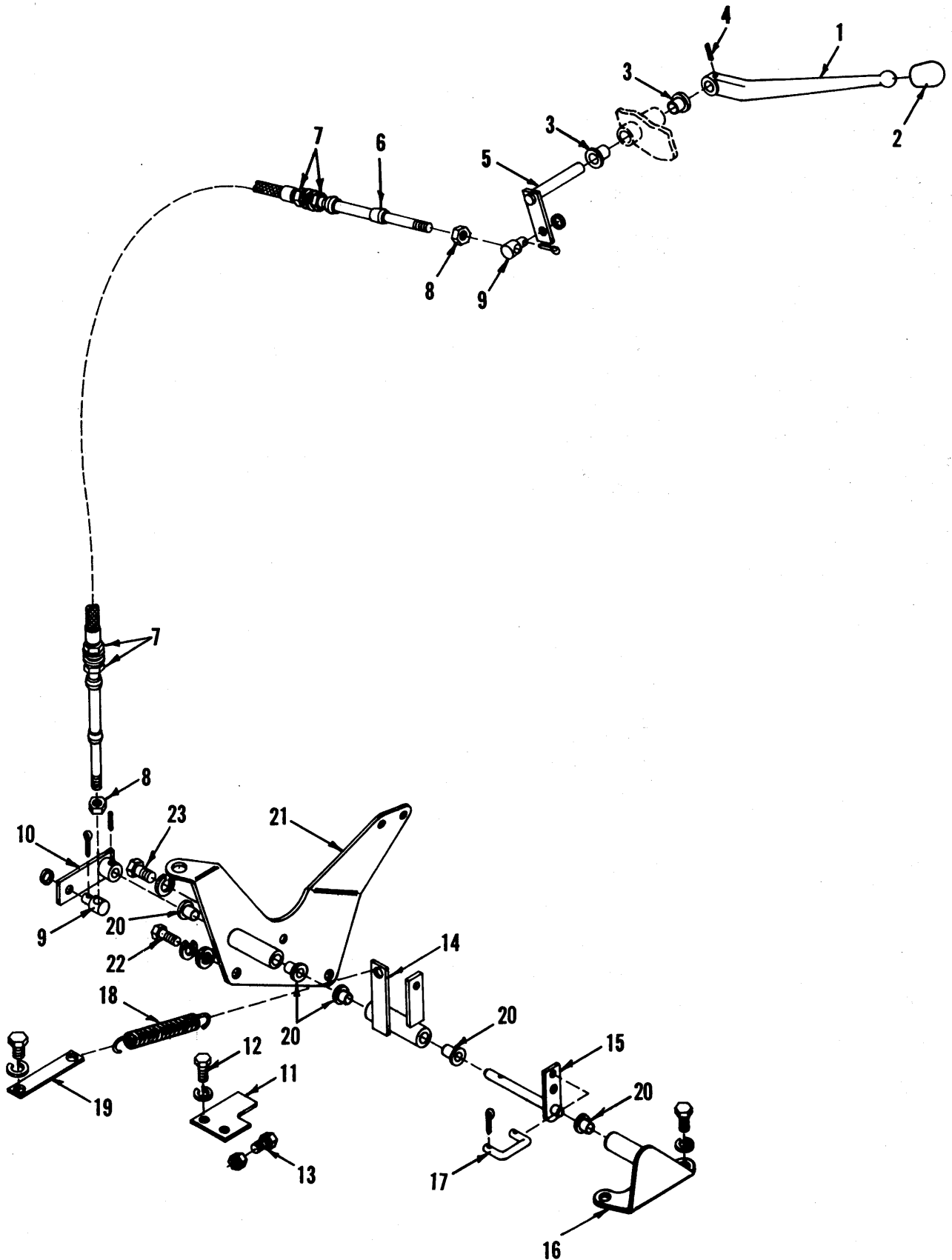
816 & 816B TRACTORS  
DRIVE TRAIN

135

CONTROLS  
PARKING BRAKE

ITEM	NUMBER	QTY.	DESCRIPTION
1	1006419-4	1	LEVER, brake (Incls. Item 8)
2	0919785-6	4	CAPSCREW
	0917356-8	4	LOCKWASHER, 5/16
3	0919785-6	2	CAPSCREW
	0917356-8	2	LOCKWASHER, 5/16
	0917372-5	2	NUT, 5/16NC
4	1004338-8	2	SPACER, cable clamp
5	1004339-6	2	CLAMP, cable
6	1006737-9	4	SPACER
7	1006736-1	2	SPACER
8	0927523-1	1	PIN
	0918265-0	1	WASHER
	0918452-4	1	PIN, cotter, 1/8 x 1
9	1007028-2	1	CABLE ASY. (Incls. Items 10 & 11)
10	1007027-4	1	END, cable
11	0920438-9	2	NUT, jam
12	0921210-1	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
13	0923093-9	1	PIN
	0918265-0	1	WASHER
	0918448-2	1	PIN, cotter
14	1006395-6	1	CABLE, battery, ground, L.H.

CONTROLS  
FORWARD-REVERSE TRANSMISSION



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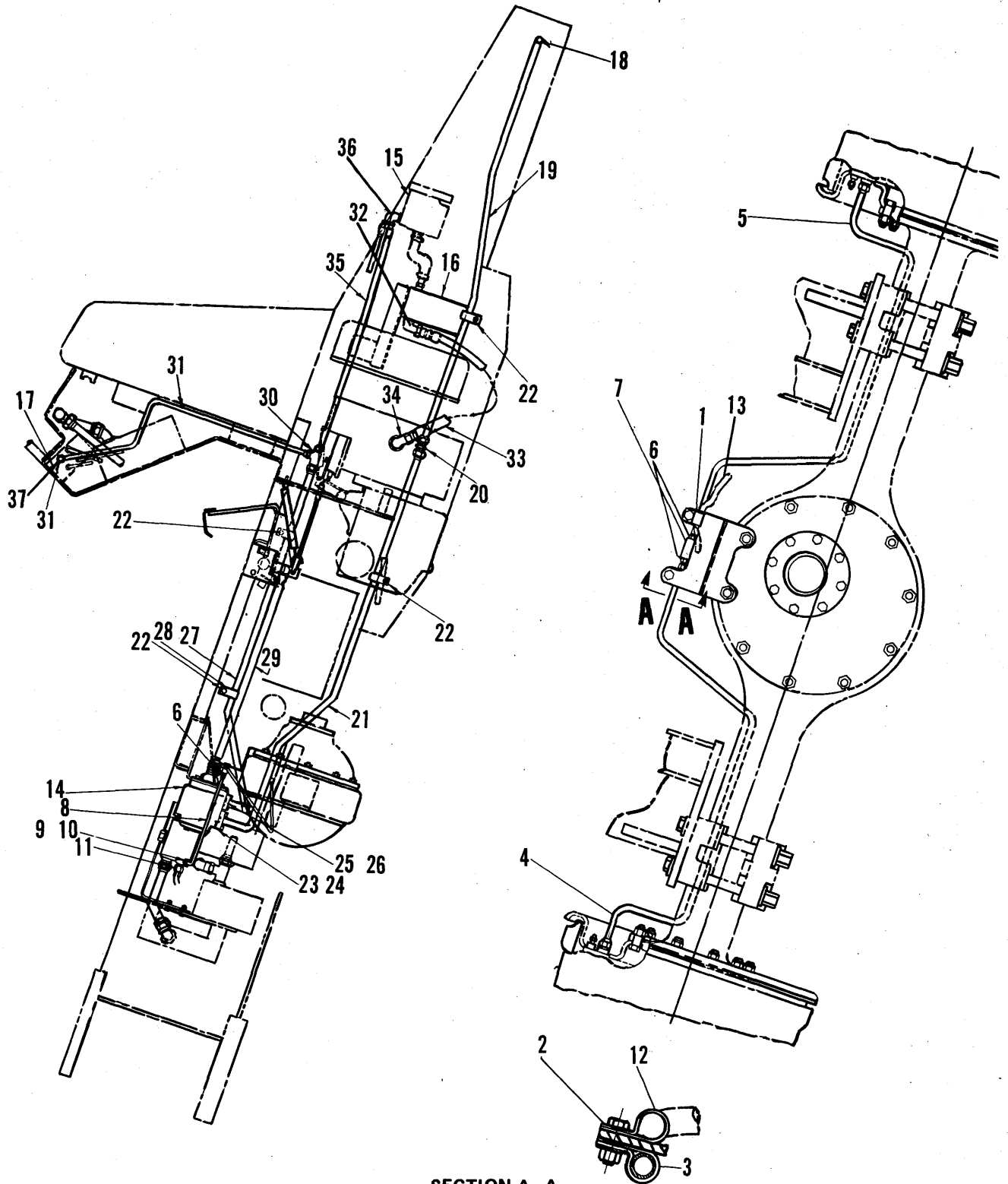
816 & 816B TRACTORS  
DRIVE TRAIN

137

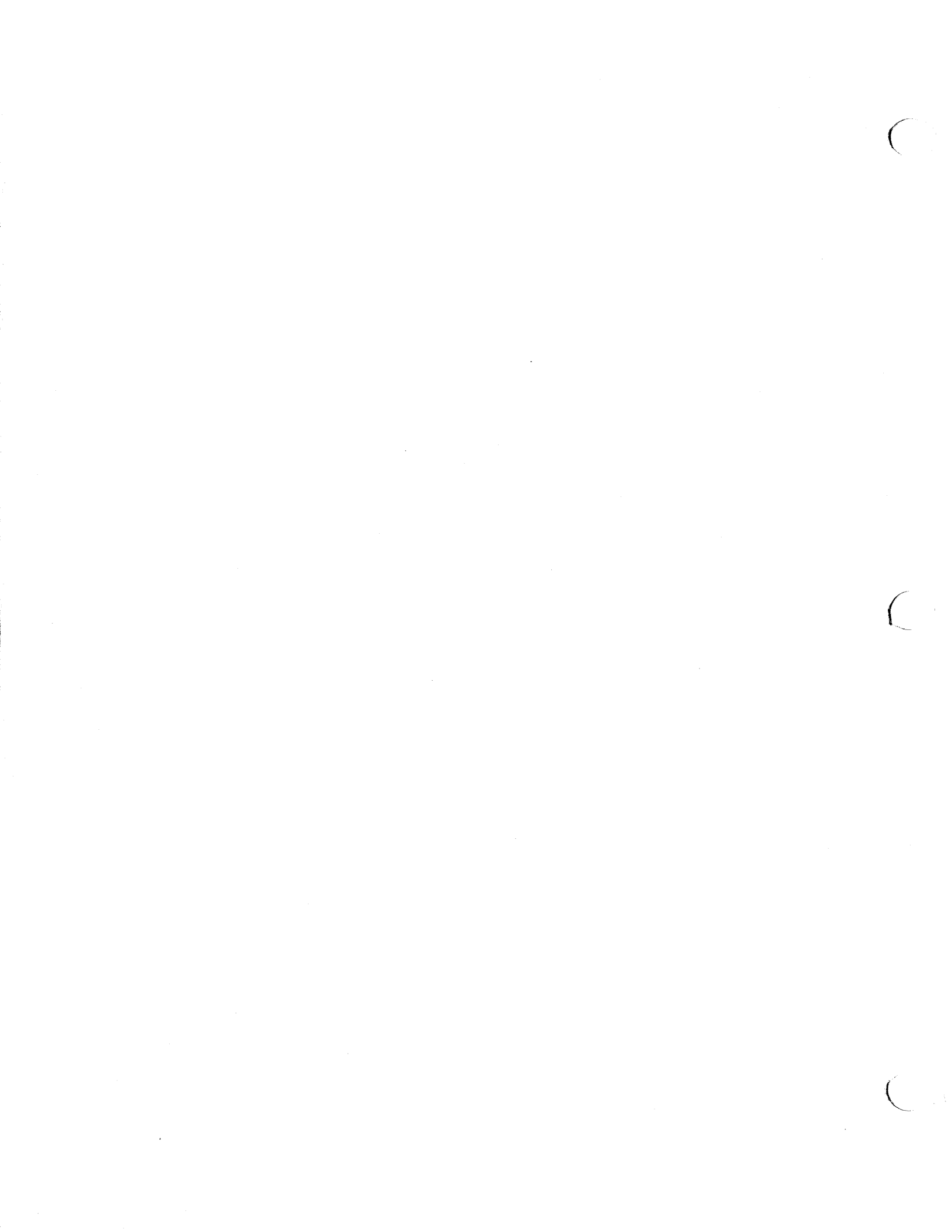
CONTROLS  
FORWARD-REVERSE TRANSMISSION

ITEM	NUMBER	QTY.	DESCRIPTION
1	0249745-1	1	LEVER
2	0226023-0	1	KNOB
3	0269529-4	2	BUSHING
4	0922945-1	1	PIN, spirol
5	1006227-1	1	LEVER
6	1006240-4	1	CABLE ASY., forward & reverse (Incl. Items 7 & 8)
7	0918241-1	4	NUT
	0918906-9	4	WASHER
8	0920437-1	2	NUT
9	1006228-9	2	PIN, pivot
	0918264-3	2	WASHER, SAE
	0923360-2	2	PIN, cotter
10	1006363-4	1	LEVER ASY., forward-reverse
	0922945-1	1	PIN, spirol
11	1007075-3	1	STOP, inching valve
12	0921719-1	2	CAPSCREW
	0917356-8	2	LOCKWASHER, 5/16
13	0921515-3	1	CAPSCREW
	0920437-1	1	NUT, jam
14	1006367-5	1	BELLCRANK ASY., inching valve
15	1006366-7	1	LEVER ASY., forward-reverse
16	1006598-5	1	BRACKET ASY., transmission linkage
	0921967-6	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
17	1006369-1	1	ROD, forward-reverse, valve control
	0923360-2	2	PIN, cotter
18	1007076-1	1	SPRING, inching valve
19	1006600-9	1	BAR, mount, inching valve
	0921965-0	1	CAPSCREW, 3/8NC x3/4
	0916965-7	1	LOCKWASHER, 3/8
20	0269529-4	5	BUSHING
21	1006456-6	1	PIVOT ASY., transmission mount
22	0921967-6	2	CAPSCREW
	0918266-8	2	WASHER
	0916965-7	2	LOCKWASHER, 3/8
23	0926117-3	1	CAPSCREW
	0920326-6	1	LOCKWASHER

BRAKE LINES & CYLINDER



SECTION A-A



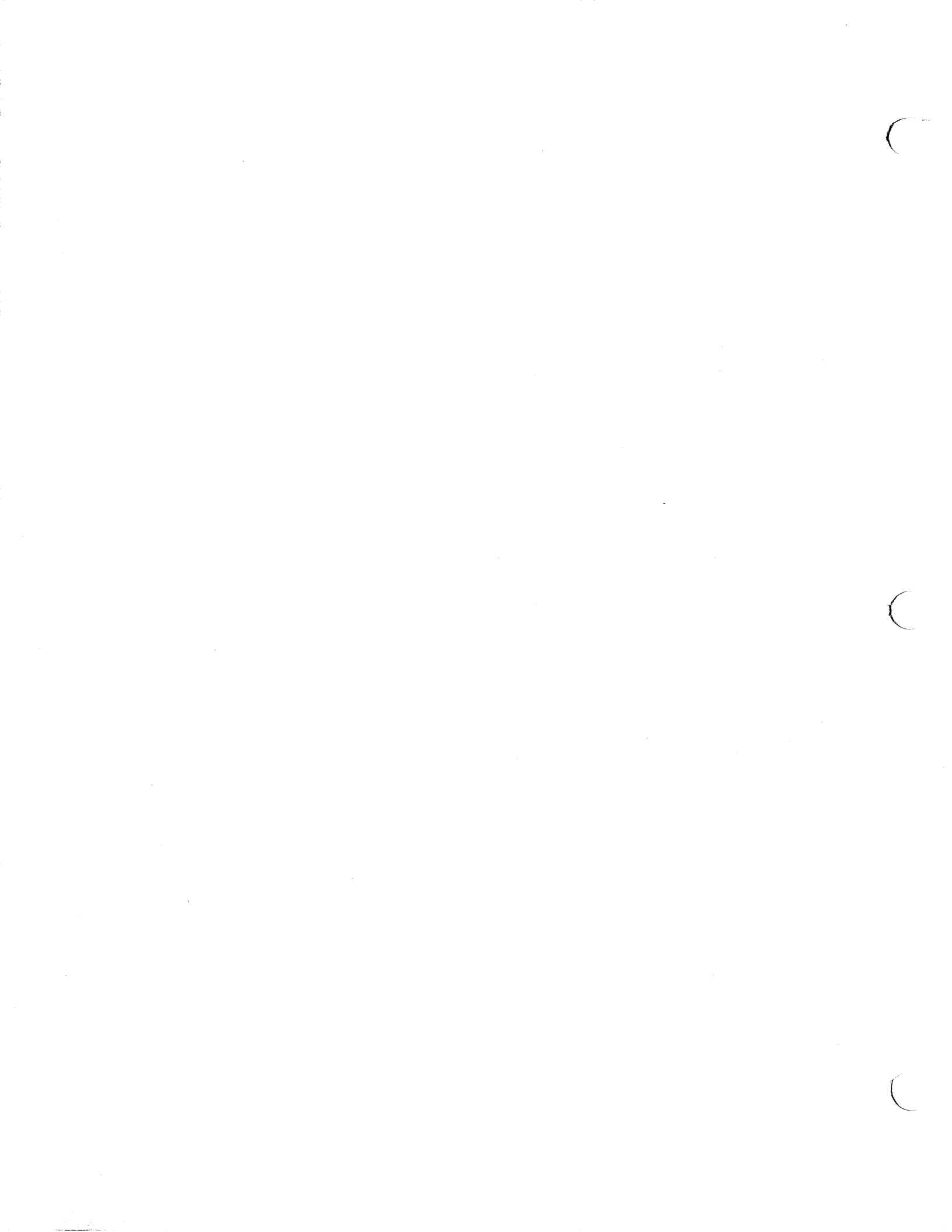
816 & 816B TRACTORS  
BRAKE SYSTEM

139

BRAKE LINES & CYLINDER

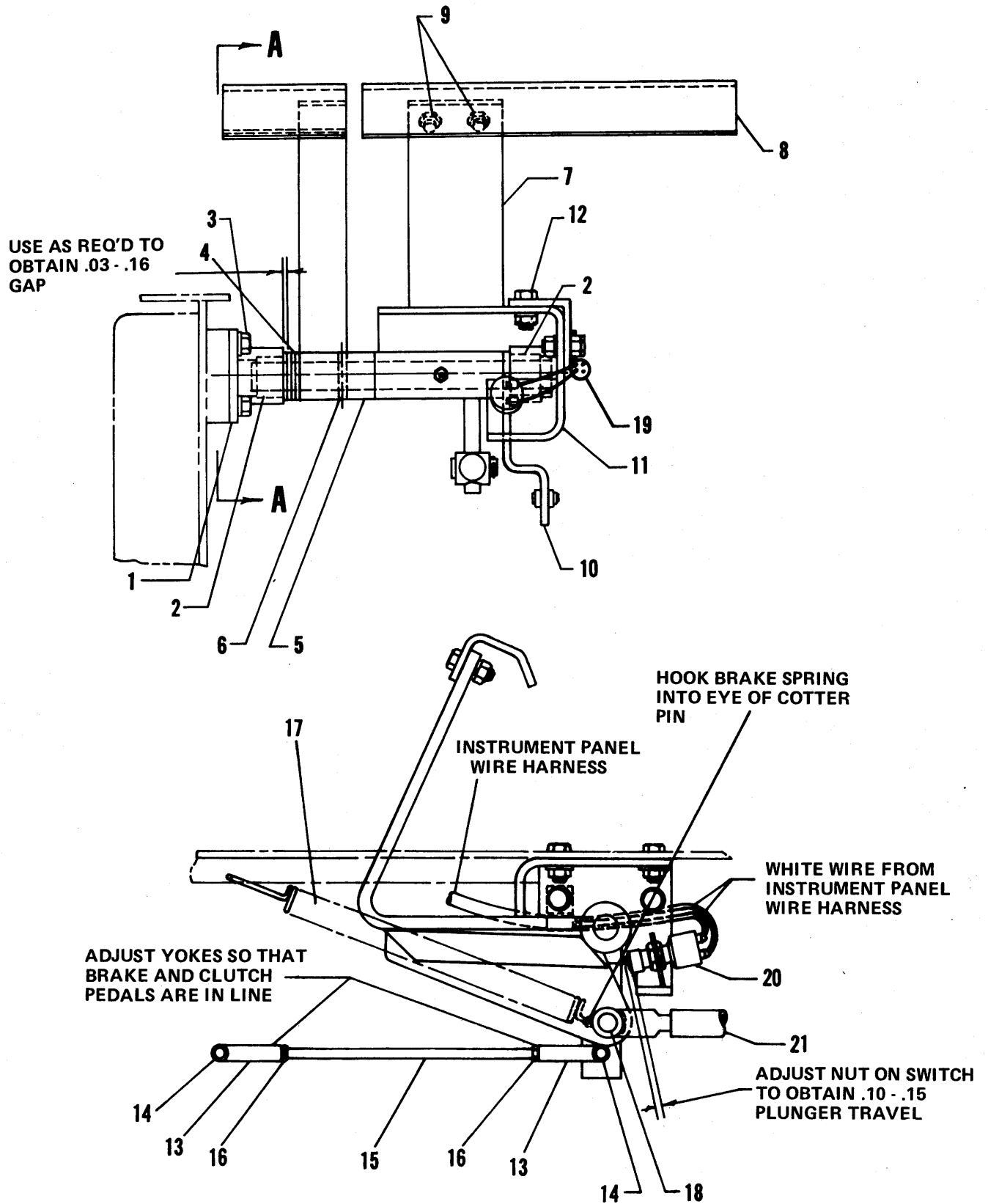
ITEM	NUMBER	QTY.	DESCRIPTION
1	1007199-1	1	BRACKET, brake tube
2	0921210-1	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
3	0925616-5	1	CLAMP
4	1007195-9	1	TUBE ASY., brake, rear R.H.
5	1007196-7	1	TUBE ASY., brake, rear L.H.
6	0914093-0	3	CONNECTOR, 45°
7	0928009-0	1	TEE
8	1007194-2	1	TUBE ASY., master brake cyl. to tee
9	0927119-8	1	CONNECTOR, 45°
10	3006797-9	1	WASHER
11	1005918-6	1	SWITCH, stop light
12	0925617-3	1	CLAMP
13	1006402-0	1	HARNESS, wire, R.H. wheel guard
14	-----	1	CYLINDER ASY., master (Refer to POWER MASTER CYL. for components)
	0920676-4	4	CAPSCREW
	0918199-1	4	LOCKWASHER, 7/16
15	1006213-1	1	PUMP, power steering
16	-----	1	FILTER ASY., power steering
17	-----	1	VALVE, control, power steering
	0921969-2	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
18	0922935-2	1	CONNECTOR, reducing (Incl. O-RING)
	0921206-9	1	O-RING
	0921217-6	1	CONNECTOR (Incl. O-RING)
	0921206-9	1	O-RING
19	1007806-1	1	TUBE ASY., sump to tank front
20	0919267-5	1	UNION
21	1007805-3	1	TUBE ASY., sump to master cylinder
22	1006269-3	4	CLAMP
	0921973-4	4	CAPSCREW
	0916965-7	4	LOCKWASHER, 3/8
	0916950-9	4	NUT, 3/8NC
	0243532-9	4	CUSHION
23	0921115-2	2	FLANGE, split
	0923575-5	2	O-RING
24	0920415-7	4	CAPSCREW
	0916965-7	4	LOCKWASHER, 3/8
25	0921384-4	2	FLANGE, split
	0923574-8	2	O-RING
26	0921977-5	4	CAPSCREW
	0917356-8	4	LOCKWASHER, 5/16
27	1007201-5	1	TUBE ASY., master cylinder to tee
28	1006269-3	2	CLAMP
	0921971-8	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
	0243532-9	2	CUSHION
29	1007164-5	1	ROD ASY., push, brake
30	0925046-5	1	TEE
31	1007200-7	1	TUBE ASY., tee to orbitrol
32	0920686-3	1	ELBOW, 90°
33	1007099-3	1	HOSE ASY., pump intake
34	0924069-8	1	ELBOW, 90° (Incl. LOCKNUT & O-RING)
	0919621-3	1	LOCKNUT
	0921214-3	1	O-RING
35	1007210-6	1	HOSE ASY., pump to tee
36	0924786-7	1	ELBOW, adj. (Incl. O-RING)
	0921886-8	1	O-RING
37	0921409-9	1	CONNECTOR (Incl. O-RING)
	0921349-7	1	O-RING

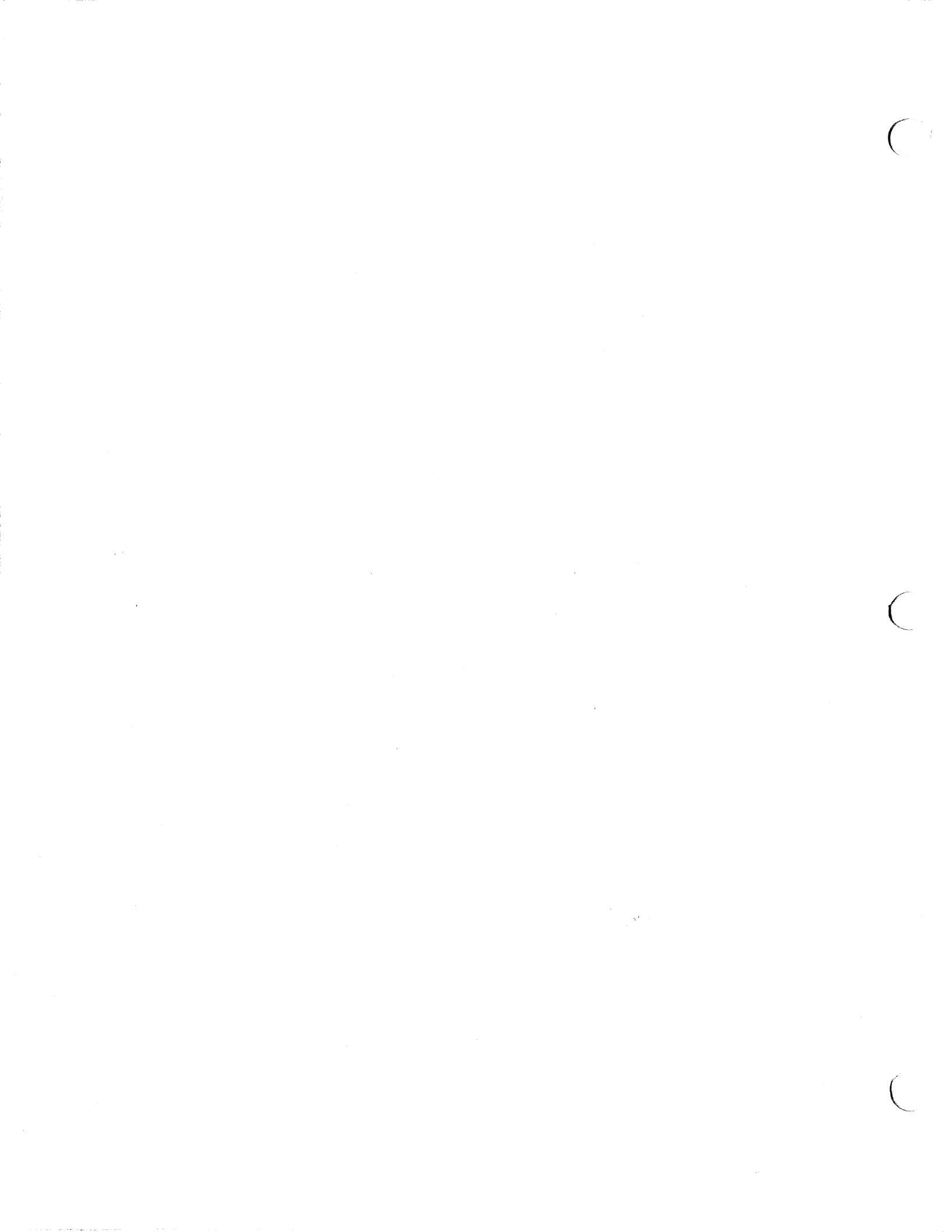




816 & 816B TRACTORS  
BRAKE SYSTEM

PEDAL ASY.  
BRAKE & CLUTCH





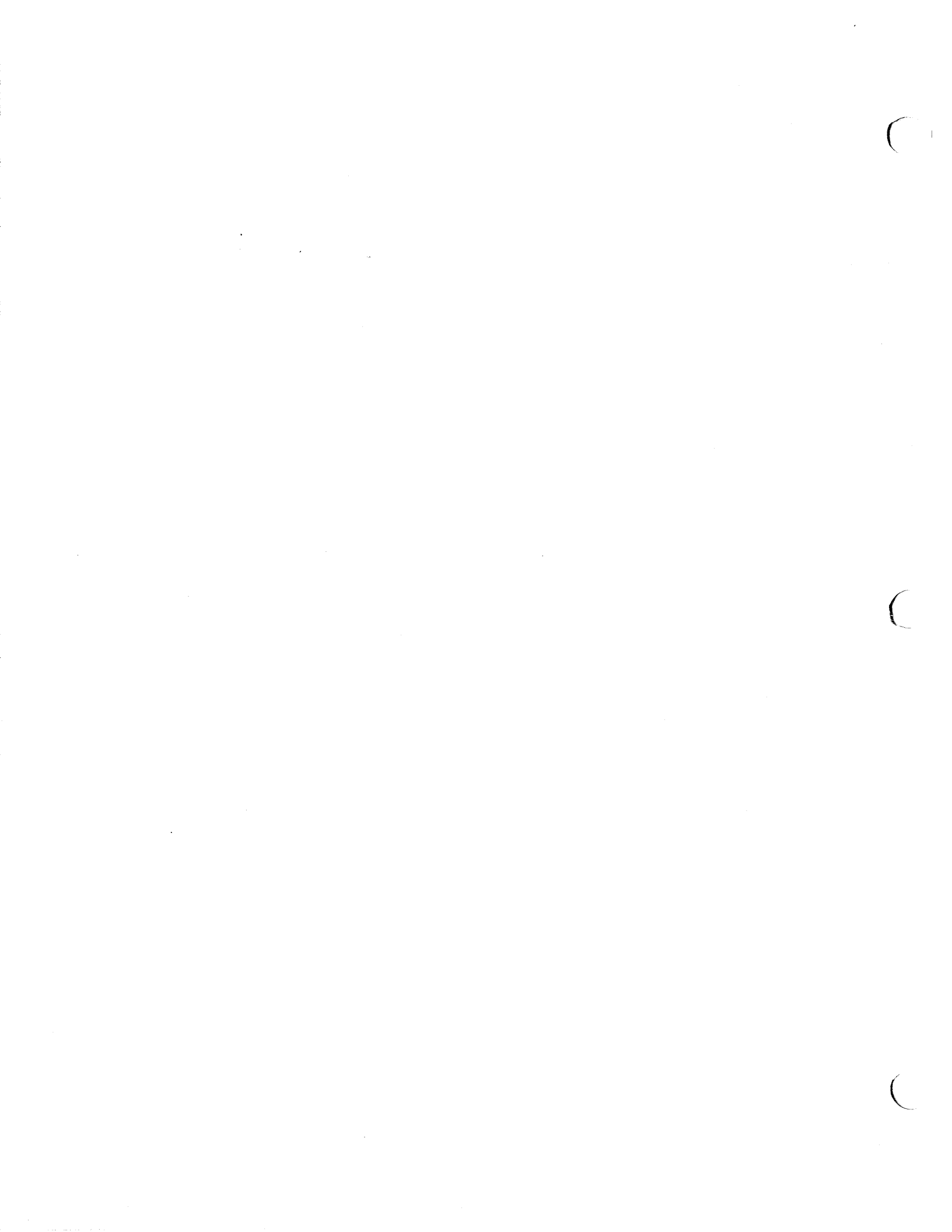
816 & 816B TRACTORS  
BRAKE SYSTEM

141

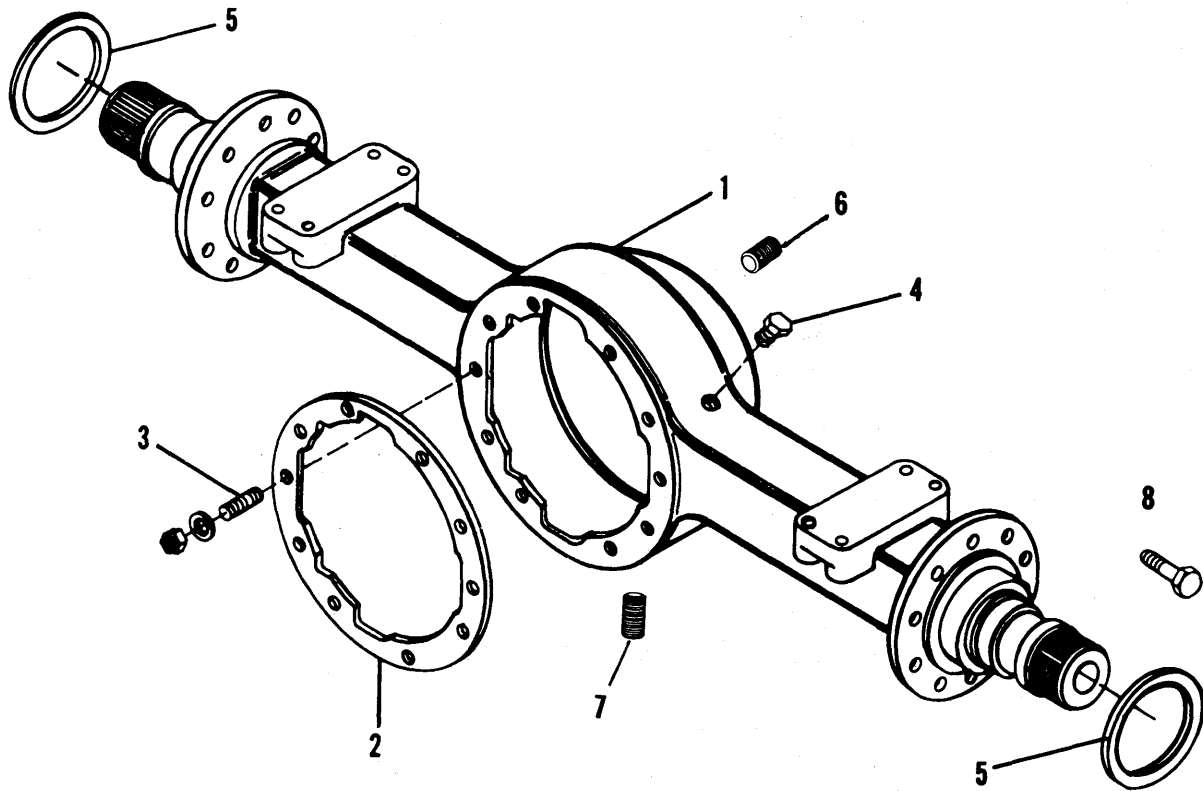
PEDAL ASY.  
BRAKE & CLUTCH

ITEM	NUMBER	QTY.	DESCRIPTION
1	1007182-7	1	SUPPORT ASY., clutch shaft
2	4829439-1	2	BUSHING, spherical
3	0921965-0	4	CAPSCREW
	0916965-7	4	LOCKWASHER, 3/8
4	0918269-2	—	WASHER (Use as req'd)
5	1007180-1	1	PEDAL ASY., clutch
6	0922949-3	1	PIN, spirol
7	1007179-3	1	PEDAL ASY., brake
	0914465-0	1	FITTING, grease
8	1007165-2	1	PEDAL, brake
9	0921210-1	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
10	1007177-7	1	SHAFT ASY., clutch
11	1007178-5	1	SUPPORT ASY., clutch shaft
12	0920415-7	4	CAPSCREW
	0916965-7	4	LOCKWASHER, 3/8
	0916950-9	4	NUT, 3/8NC
	0911115-4	4	WASHER
13	0923272-9	2	YOKE
14	0917644-7	2	PIN, clevis
	0904020-5	2	PIN, cotter
15	1007191-8	1	ROD, adjusting
16	0920437-1	2	NUT, jam
17	1004601-9	1	SPRING, brake return
18	0917648-8	1	PIN, clevis
	0925719-7	1	PIN, cotter
19	0925617-3	1	CLAMP
20	0248659-5	1	SWITCH, safety start
21	1007164-5	1	ROD ASY., push, brake

NOTE: For Clutch Pedal Return Spring, refer to FORWARD-REVERSE TRANSMISSION CONTROLS.



AXLE & HOUSING  
(PR65H X 1)



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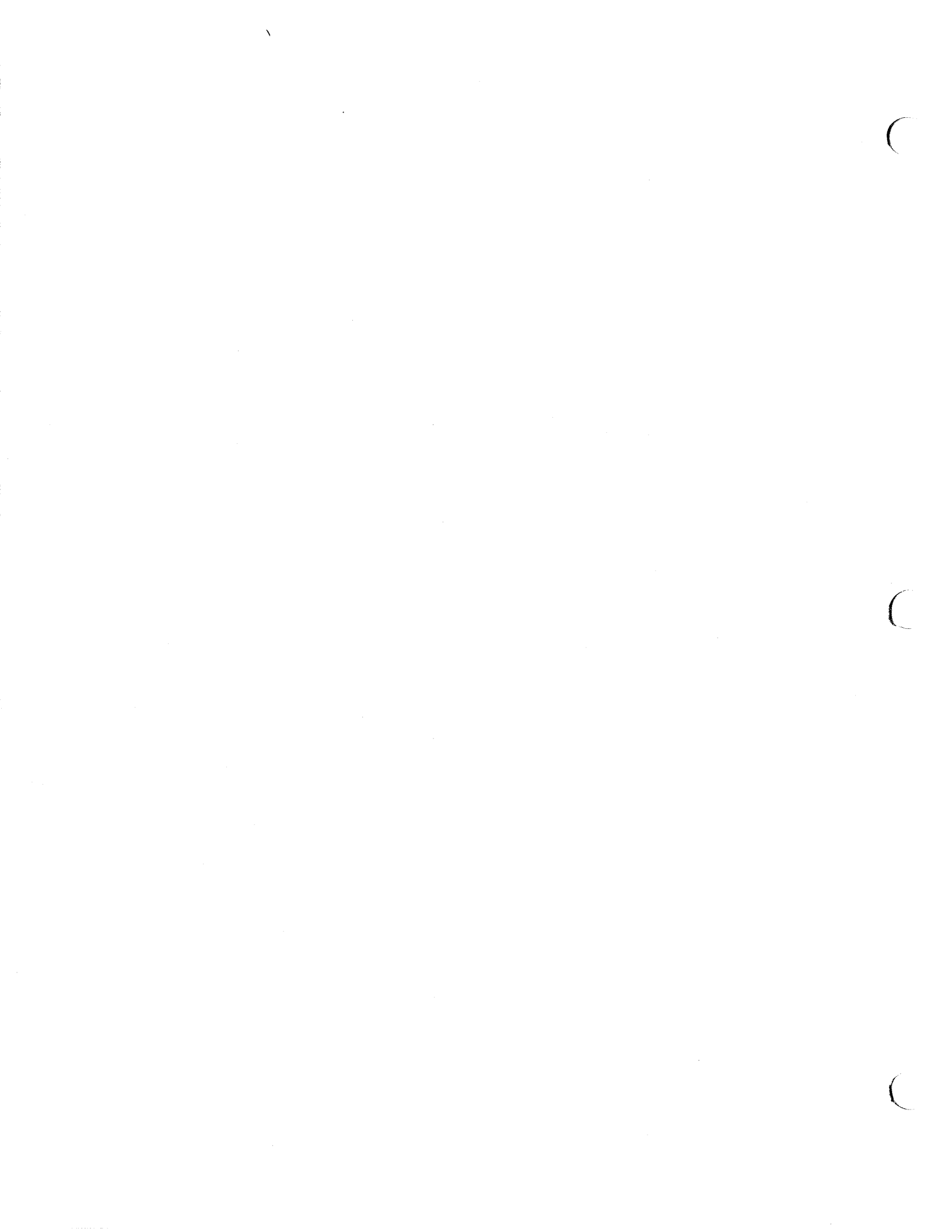
816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

143

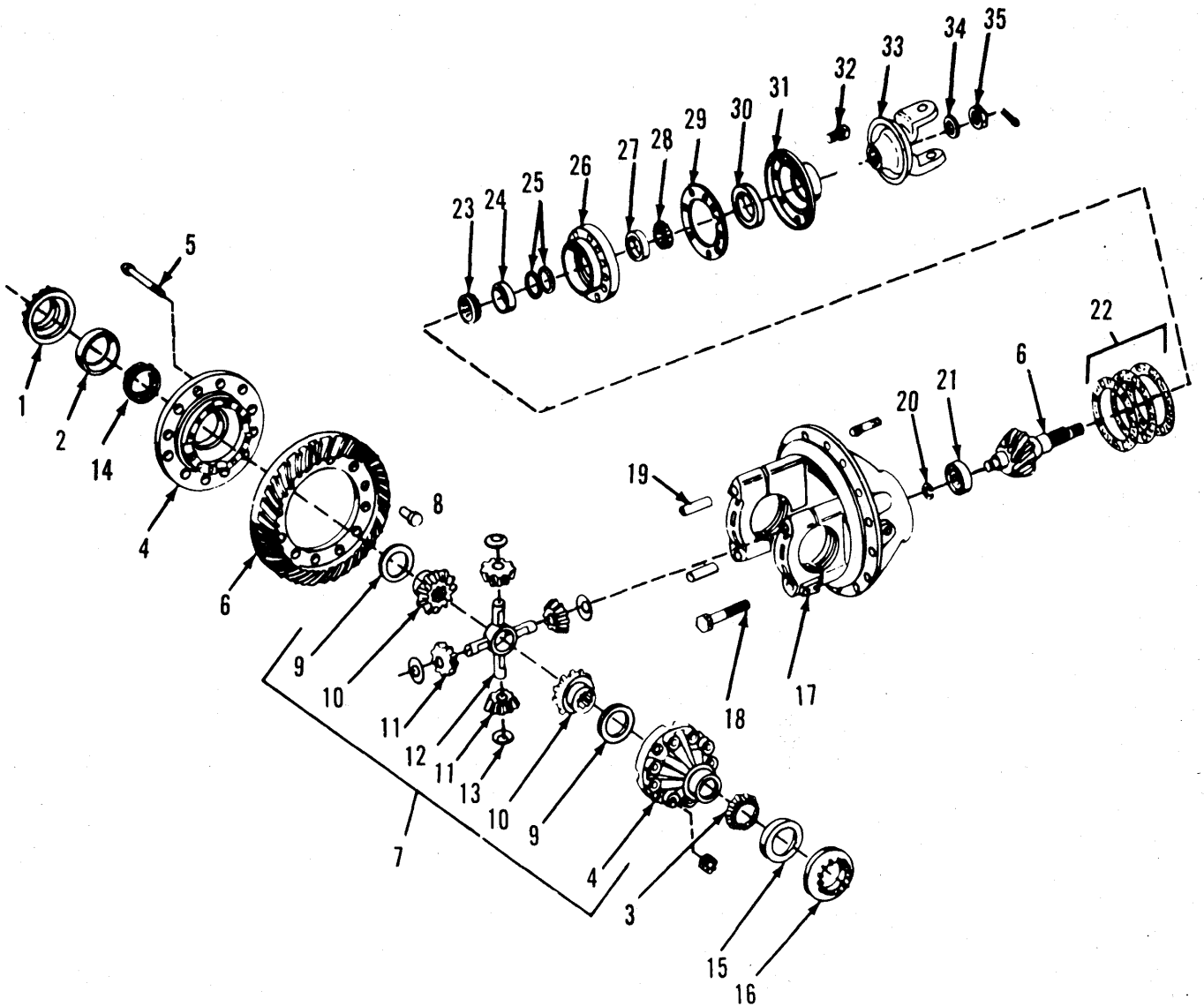
AXLE & HOUSING  
PR65H X 1

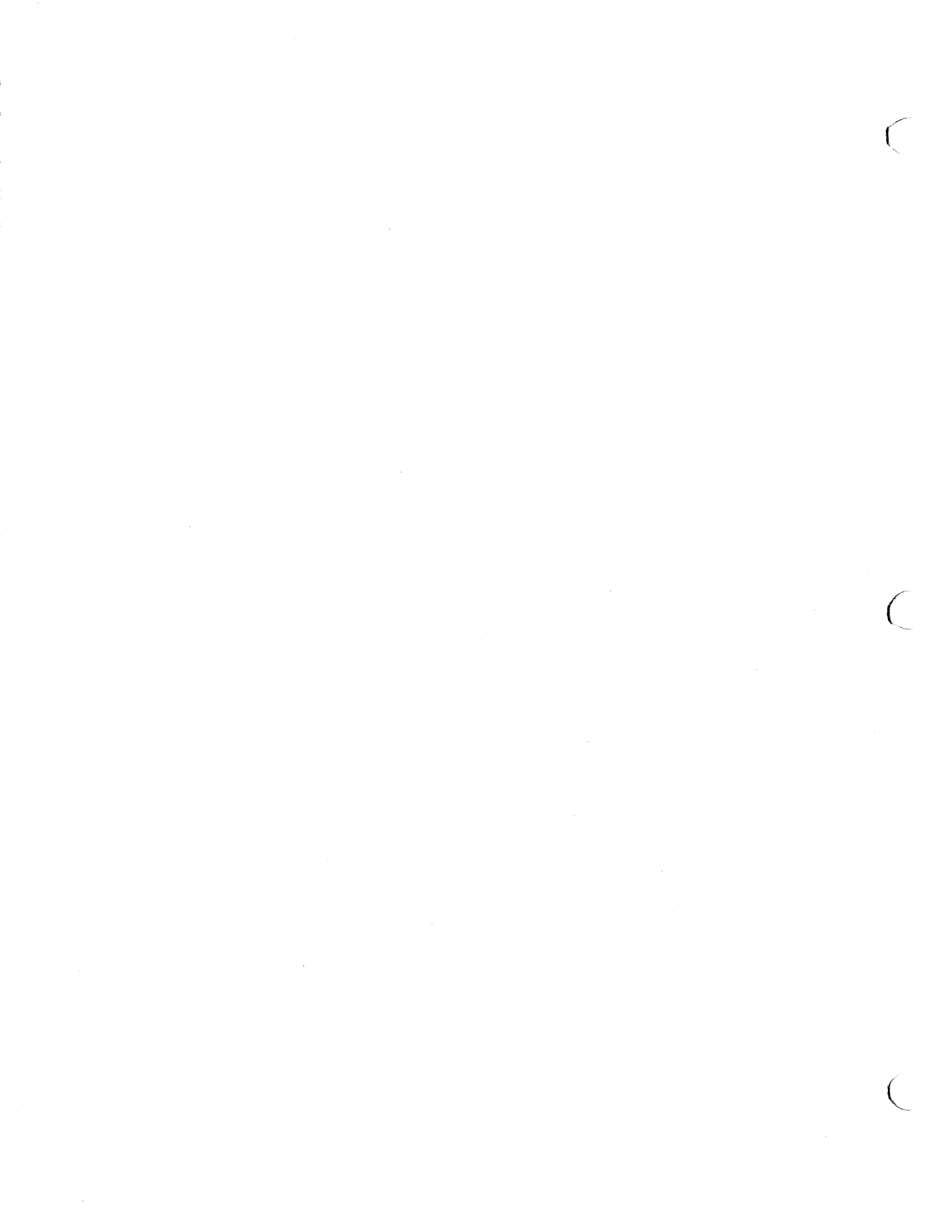
ITEM	NUMBER	QTY.	DESCRIPTION
-	1006014-3	-	AXLE ASY. (Use 1015305)
-	1006819-5	-	CARRIER ASY., differential (Use 1014835)
-	-----	-	BRAKE ASY.
-	-----	-	DRUM ASY.
-	-----	-	SHAFT ASY., axle
-	-----	-	CARRIER ASY., planetary
1	1006834-4	1	HOUSING ASY.
2	9003928-0	1	GASKET, carrier to housing
3	0923472-5	2	CAPSCREW, 7/16NC x2
	0923471-7	2	CAPSCREW, 7/16NC x 1-1/4
	0923491-5	6	CAPSCREW, 7/16NC x1
	1146267-8	10	WASHER, flat
4	3007145-0	1	BREATHER, differential carrier
5	1006821-1	2	SLEEVE, wear
6	0904224-3	1	PLUG
7	1015564-6	1	PLUG, magnetic
8	3031761-4	32	BOLT





DIFFERENTIAL  
PR65 H X 1



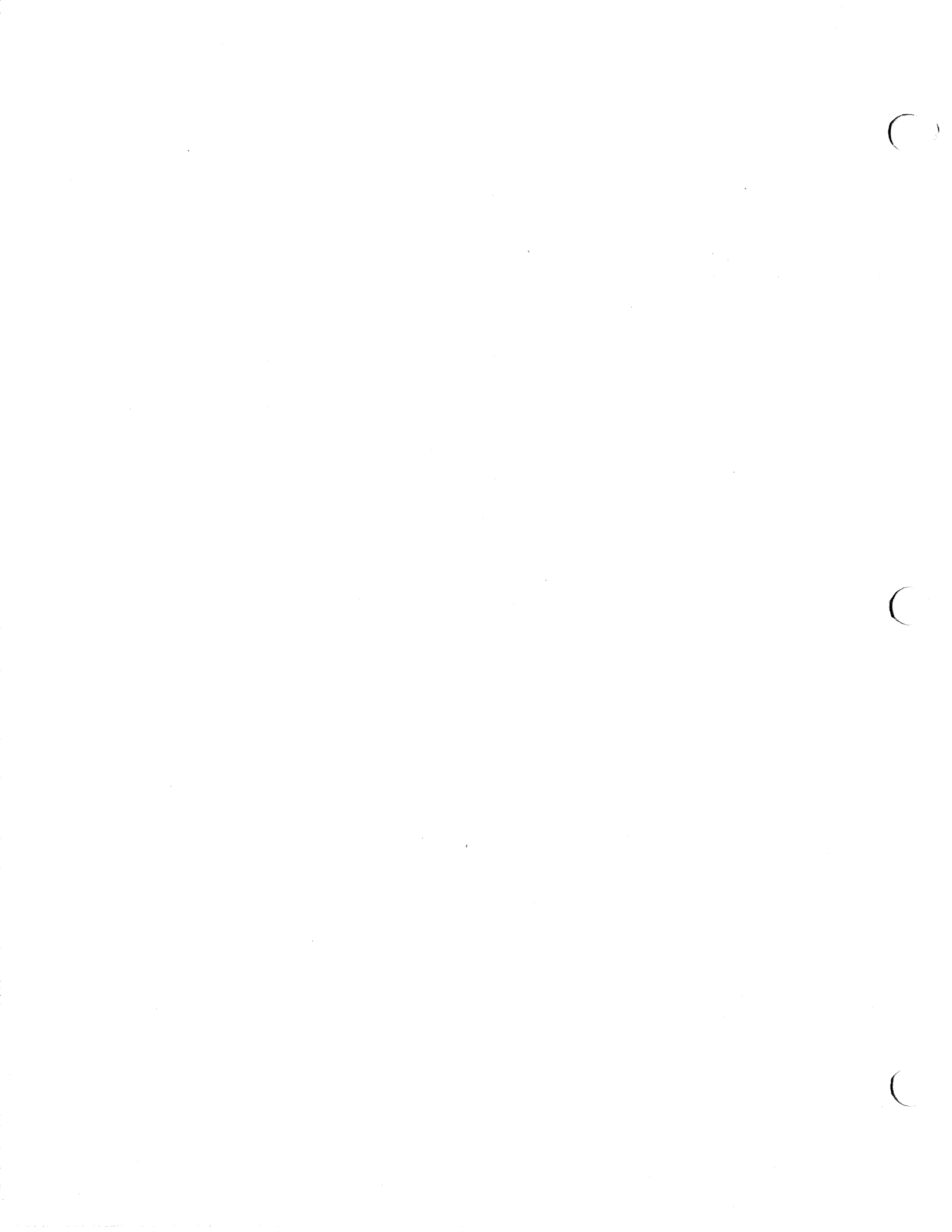


816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

145

DIFFERENTIAL  
PR65 H X 1

ITEM	NUMBER	QTY.	DESCRIPTION
-	1006819-5	-	CARRIER ASY., differential (Incls. Items 1 thru 35) (Use 1014835)
1	3028710-6	1	RING, adjusting, left
2	0202584-9	1	CUP, bearing, flange case
3	0209894-5	1	CONE, roller bearing, flange case
4	1006841-9	1	CASE ASY., differential (Incls. FLANGE HALF, one PLAIN HALF & Item 5)
5	0930376-9	8	CAPSCREW
6	3034792-6	1	GEAR ASY., pinion (Serviced only as a unit)
7	1006840-1	1	DIFFERENTIAL ASY. (Incl. Items 4, 5, & 9 thru 13)
8	1022918-5	12	BOLT
	1143613-6	12	WASHER
	0930996-4	12	NUT
9	3028746-0	2	WASHER, thrust
10	1014910-2	2	GEAR, bevel, side
11	3028732-0	4	PINION, differential
12	3028747-8	1	SPIDER, pinion
13	3007255-7	4	WASHER, thrust
14	3028749-4	1	CONE, bearing, plain case
15	0043001-7	1	CUP, bearing, plain case
16	3028709-8	1	RING, adjusting, right
17	1017236-9	1	CARRIER ASY. KIT (Incl. Items 17 thru 19)
	1014850-0	1	CARRIER ASY. (Incls. CARRIER & CAP ASY. plus FILLER PLUG)
	3022314-3	-	CAPSCREW (Refer to HOUSING group)
18	0930471-8	4	CAPSCREW
	3032781-1	4	WASHER, flat
	0904224-3	1	PLUG, filler
19	-----	-	PIN, dowel, differential cap (Not serviced)
20	0408431-5	1	RING, lock, bearing retaining
21	3073680-5	1	BEARING, drive pinion
22	1014875-7	1	SHIM (.003 thick) (Use as req'd)
	1014876-5	1	SHIM (.005 thick) (Use as req'd)
	1014877-3	1	SHIM (.010 thick) (Use as req'd)
23	3043932-7	1	CONE, inner
24	0930885-9	1	CUP, inner
25	3028717-1	1	SPACER KIT, differential
	3028724-7	1	SPACER KIT, differential
26	3075598-7	1	CAGE ASY., pinion bearing (Incls. Items 24 & 27)
27	0202573-2	1	CUP, outer
28	0604389-7	1	CONE, outer
29	3028730-4	1	GASKET, cage asy.
30	3028697-5	1	SEAL, oil cover asy.
31	3028698-3	1	COVER ASY. (Incl. Item 30)
32	0920415-7	8	CAPSCREW
33	1006837-7	1	YOKE ASY. (Incl. SLINGER)
	1006842-7	1	SLINGER
34	3024633-4	1	WASHER, plain
35	3059730-6	1	NUT, slotted
	0925719-7	1	PIN, cotter
-	3028717-1	-	SPACER KIT, differential
	3028718-9	1	SPACER (.172 thk.)
	3028719-7	1	SPACER (.173 thk.)
	4995777-2	1	SPACER (.174 thk.)
	3028721-3	1	SPACER (.175 thk.)
	4995779-8	1	SPACER (.176 thk.)
	4995794-7	1	SPACER (.177 thk.)
-	3028724-7	-	SPACER KIT, differential
	3028725-4	1	SPACER (.183 thk.)
	3028726-2	1	SPACER (.189 thk.)
	3028727-0	1	SPACER (.195 thk.)
	3028728-8	1	SPACER (.201 thk.)





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816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

147

SHAFT & HUB  
PR65H X 1

ITEM	NUMBER	QTY.	DESCRIPTION
1	1006870-8	2	SHAFT, axle
2	-----	2	BRAKE ASY. (Refer to BRAKE PARTS for components)
	1005715-6	20	BOLT
	1005716-4	20	WASHER, flat
	0930864-4	20	NUT
3	1006861-7	2	SLINGER, oil
4	1006864-1	2	SEAL, oil
5	1006823-7	2	CONE, hub bearing, inner
6	0928829-1	2	CUP, bearing, inner
7	1006862-5	2	DRUM, brake
	0926161-1	10	CAPSCREW
	3061917-5	1	LOCKWIRE
8	3034907-0	2	RING, snap
9	3028669-4	2	GEAR, sun
10	1006825-2	2	LOCKNUT ASY., hub retaining
	3050698-4	2	PIN
11	1006826-0	2	GEAR, ring
12	1006823-7	2	CONE, bearing, outer
13	0928829-1	2	CUP, bearing, outer
14	1006860-9	2	HUB ASY., wheel (Incl. Items 6 & 13)
15	3022121-2	16	STUD, wheel attaching
	4726656-4	16	NUT, locking
16	0930984-0	2	O-RING (RTV Sealant)
17	1005837-8	6	PINION, gear
18	3028654-6	6	WASHER, pinion gear, outer
19	3028656-1	2	RING, snap
20	3058456-9	2	SPIDER, planetary
	0904224-3	1	PLUG, fill
	0901653-6	1	PLUG, drain
21	3058400-7	6	SHAFT, pinion gear
	0921432-1	6	SETSCREW, shaft
22	3028657-9	2	BUTTON, thrust



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DESCRIPTION

BRAKE GROUP - 16 1/2 x 5 1/2

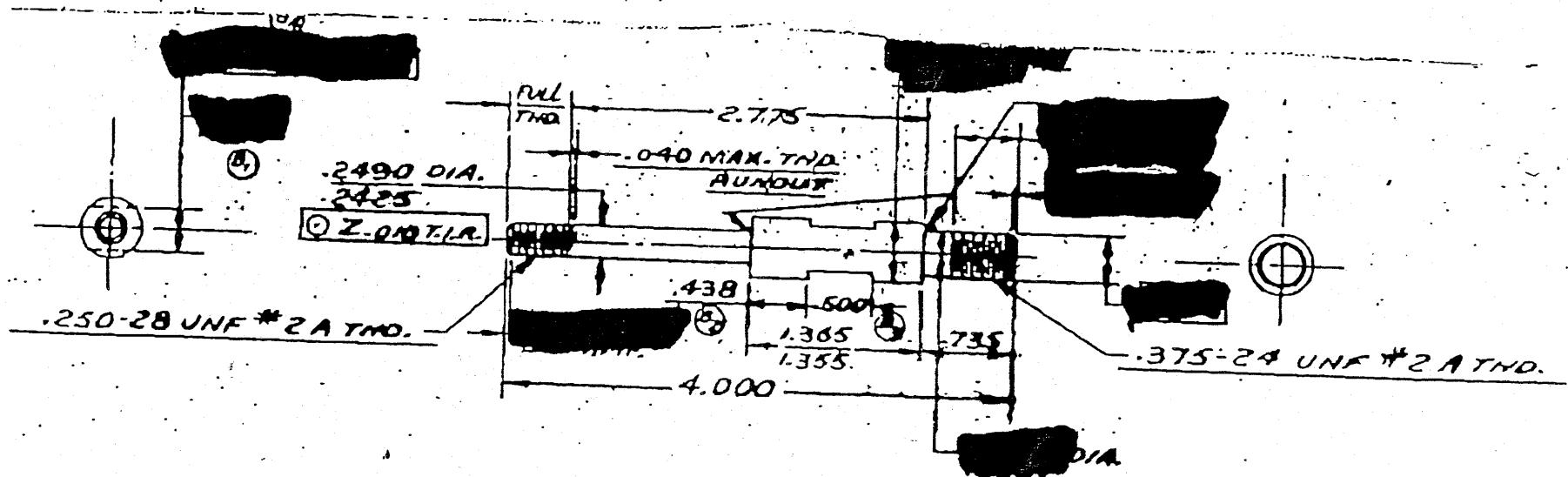
PART NO.

NO. REQ'D.

BRAKE ITEM #

"H"

DESCRIPTION	PART NO.	NO. REQ'D.	BRAKE ITEM #
Complete brake assy.	WE-16-869	2	
Brake shoe & lining assy.	A3-3722-M-819	4	6
assy.-less lining	A-3722-M-819	4	
SPACER	1744-B-54	4	
lining kit (for service order)	2000-P-626	1	
rivet (inc. in kit)	RV-387	64	
backing plate assy.	A3-3736-H8	2	2
shoe guide pin-short	1746-H-8	4	
COTTER PIN	K-236	4	
anchor bracket	3764-D-4	4	
rivet	RV-169	4	
GUIDE PIN	1746-G-7	4	
shoe guide pin washer	1229-S-2316	12	4
SPRING (INNER)	2258-N-508	4	60 w/ 1018321
SPRING (OUTER)	2258-P-536	4	
NUT	1227-D-914	4	
adj. cam	2847-R-200	4	9
spring	2758-C-3	4	
anchor pin	1769-S-10	4	10
nut	1727-B-2	4	
shakeproof washer	1229-W-231	4	
STRAP	1745-E-5	2	
"C" washer	WA 212	4	1
return spring	2758-D-4	2	7
Wheel cylinder assy.	A13-3261-W-49	2	8
ASSM (LESS INLET AND BLEEDER)	A-3261-W-49	2	
BLEEDER SCREW	1199-R-1337	2	
INLET CONNECTOR	1199-Z-988	2	
GASKET	2208-V-204	2	
COVER	2979-E-5	2	
CAPSCREW	S-267	4	
LOCKWASHER	WA-14	4	
PUSH ROD ASSEMBLY	A-1245-W-49	4	
YOKE	2297-T-98	2	
PIN	19X-22	2	



Jean F.  
 This is  
 our part

1246 P536

I CAN'T IDENTIFY YOUR SKETCH

Rou



Handwritten mark resembling the number '11' or a similar symbol.



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E E

SUGGESTED SOURCE:  
ROCKWELL STD.  
PART NO 1246 P 536

D D

C C

B B

EN-1580

01 5-22-78 JMT

CONFIDENTIAL—PROPERTY OF  
ALLIS-CHALMERS MFG. CO.  
TOPEKA PLANT

NAME PIN-GUIDE  
(DUST SHIELD)

UNLESS OTHERWISE SPECIFIED:  
1-PLACE DEC ± ANGULAR  
2-PLACE DEC ±  
3-PLACE DEC ± ±

MATL

FOR TOLERANCES NOT SPECIFIED SEE  
500-SERIES SHOP PRACTICE STANDARDS

MACHINED  
SURFACE  
TEXTURE

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DR SA  
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SIMILAR TO  
SCALE SHEET

GPH NO  
PART NO 1018321  
ISSUE 01

PRINTED IN U.S.A.

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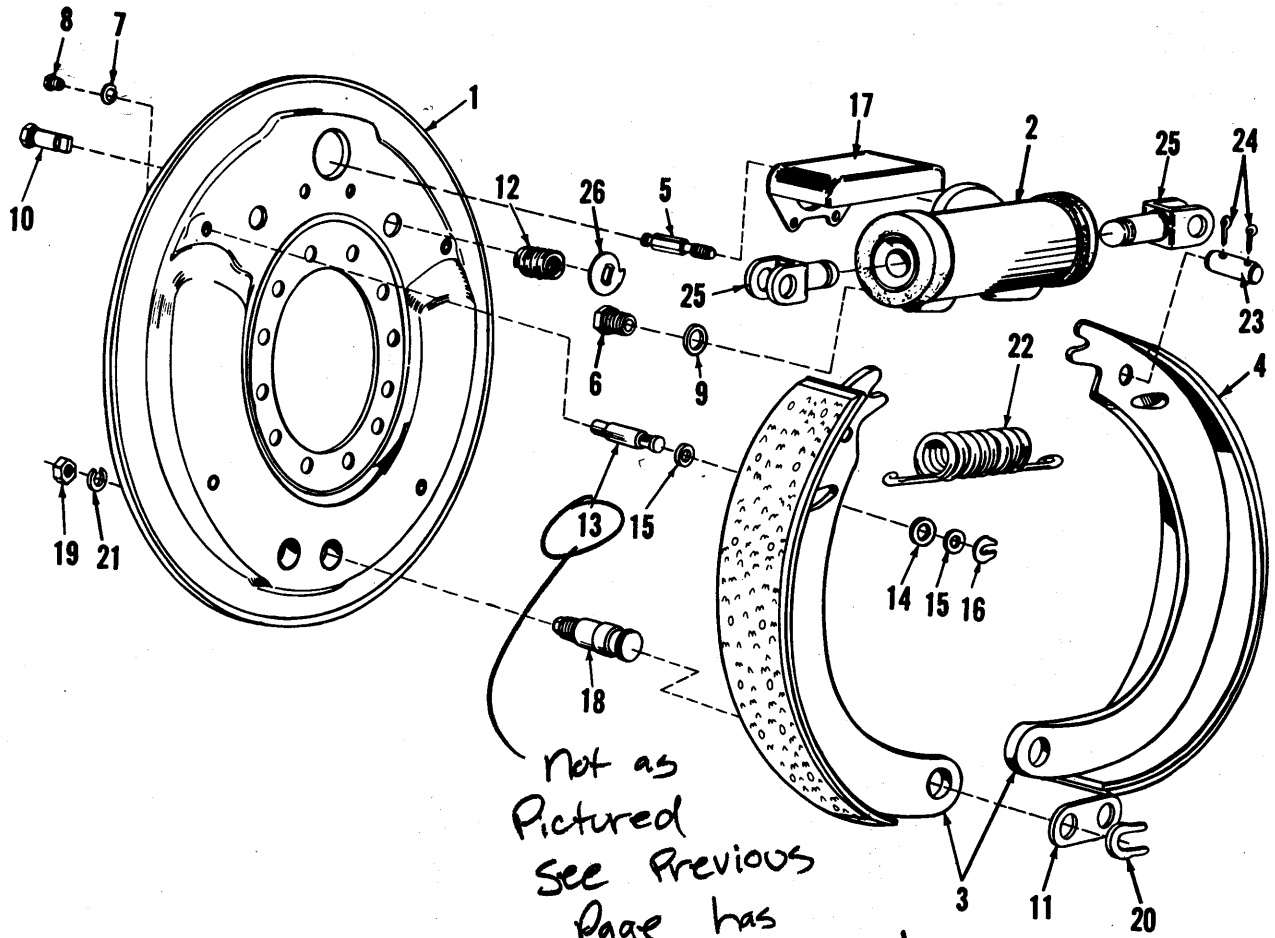
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FORM NO. 8138-1

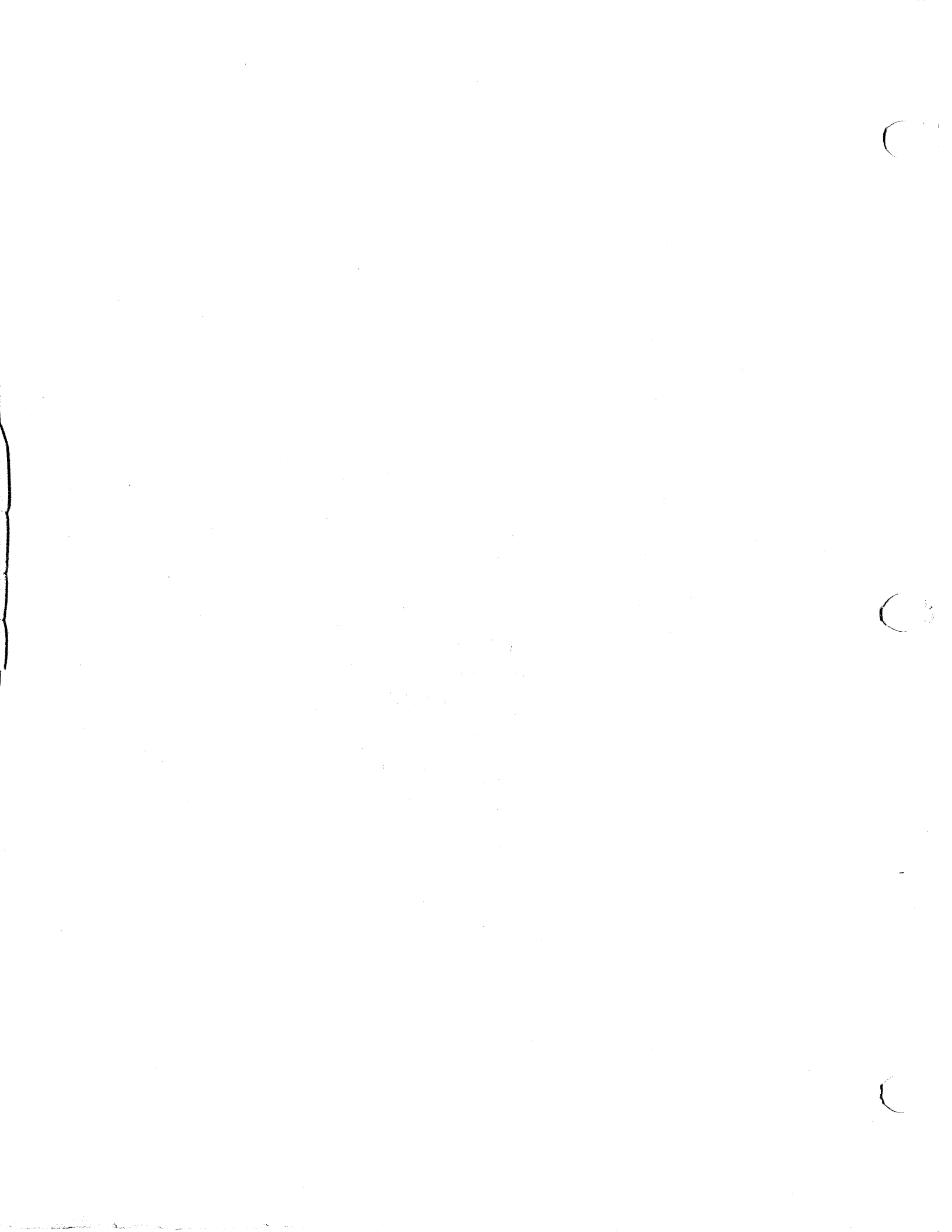




BRAKE ASY.  
PR65H X 1  
PR65H X 11  
PR65H X 37



Not as  
Pictured  
See Previous  
Page has  
nut, 2 springs, +  
4 washers





816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

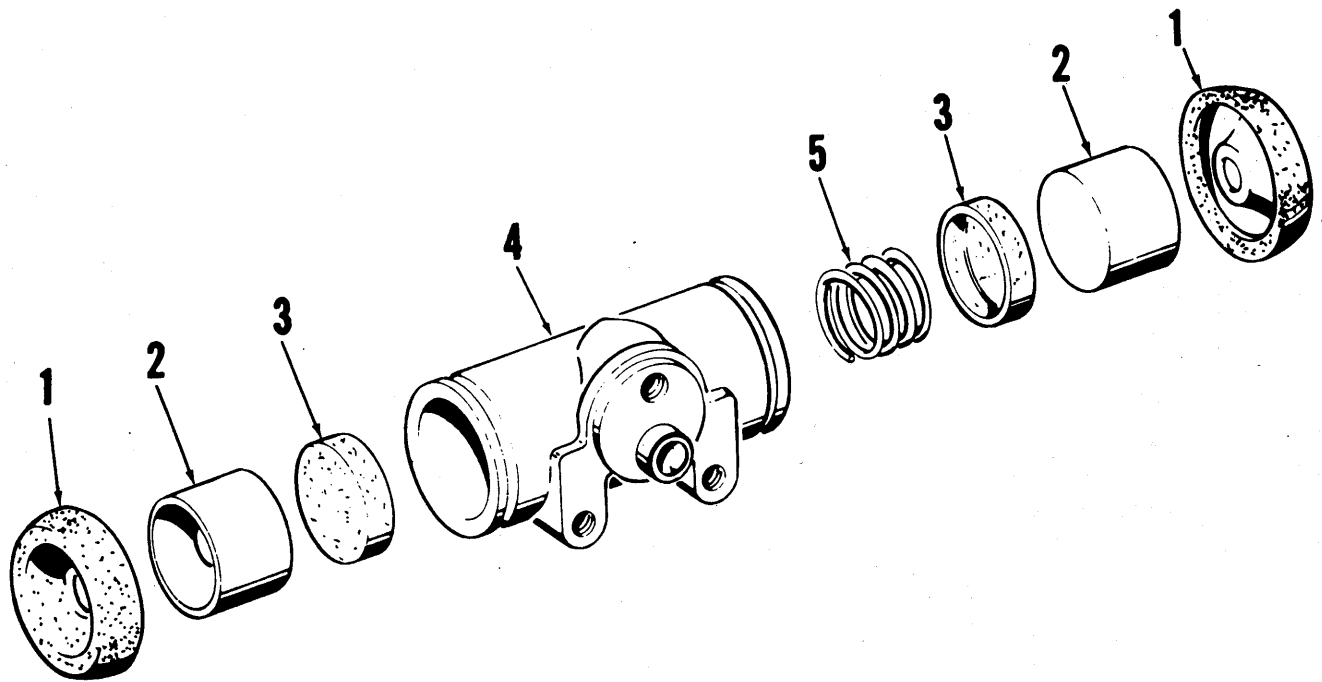
BRAKE ASY.  
PR65H X 1  
PR65H X 11  
PR65H X 37

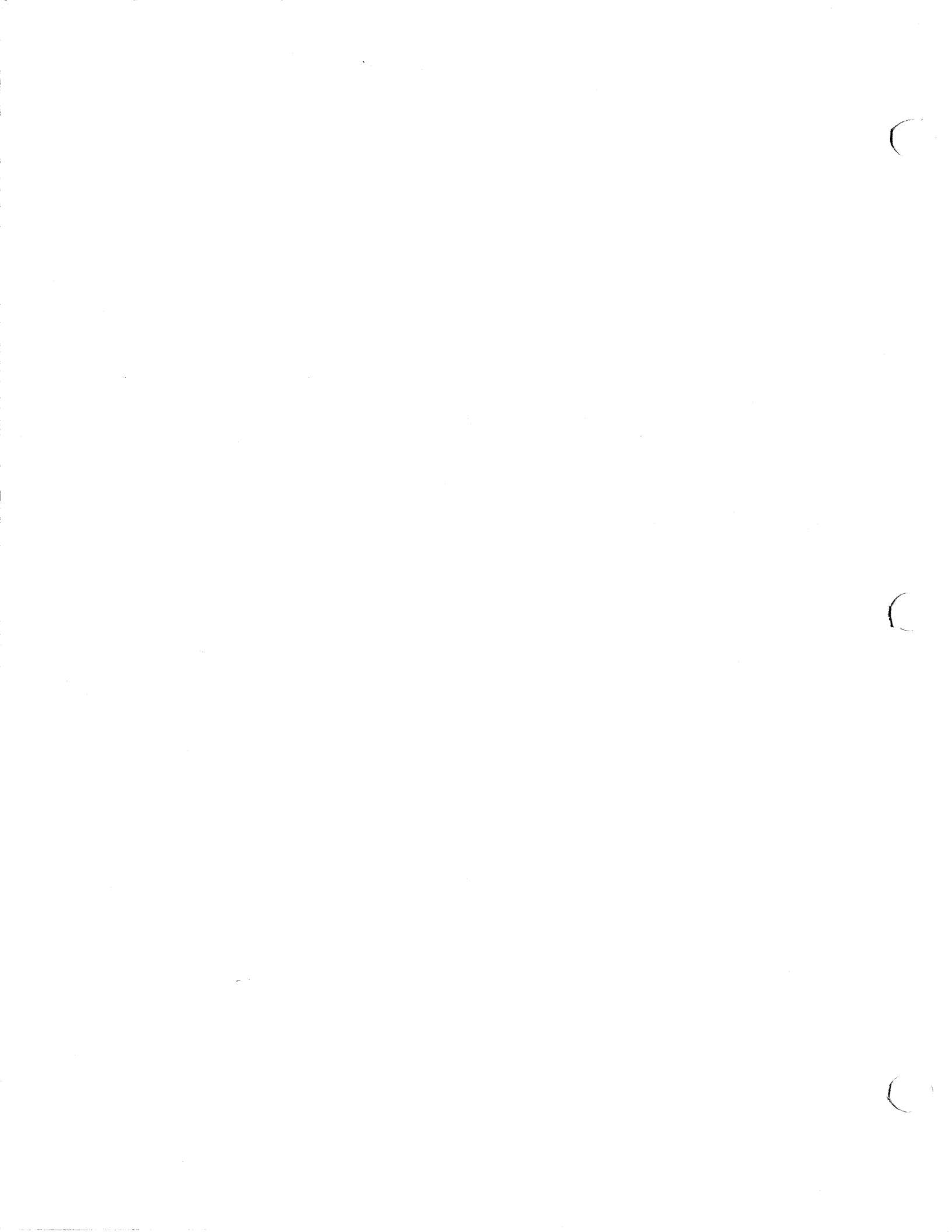
ITEM	NUMBER	QTY.	DESCRIPTION
1	1006851-8	1	PLATE ASY., backing (Incls. Items 7, 8, 10 & 12)
2	1006866-6	1	WHEEL, cylinder asy. (Incls. Items 5, 6, 9, LINING KIT, & WHEEL CYLINDER ASY.)
	3051856-7	1	CYLINDER ASY., wheel (Less bleeder)
	0921966-8	2	CAPSCREW, 3/8NC x 7/8
	0916965-7	2	LOCKWASHER, 3/8
3	1006867-5	2	SHOE ASY., brake (Incls. Item 4)
4	-----	2	LINING, brake (Not serviced; order LINING KIT 1007030
	-----	32	RIVET, lining
5	3014534-6	1	SCREW, bleeder
6	0927119-8	1	CONNECTOR, inlet
7	1007014-2	2	WASHER
8	1007015-9	2	NUT
9	3006797-9	1	GASKET
10	1007012-6	2	BOLT ASY., adjusting, cam
11	1006853-4	1	STRAP
12	1007011-8	2	SPRING
13	1018321-8	2	PIN, guide
14	3024767-0	2	WASHER, guide pin
15	0917377-4	4	WASHER
16	3027612-5	2	WASHER, "C"
17	1006875-7	1	SHIELD, heat, wheel cylinder
18	1006852-6	2	PIN, anchor
19	1006855-9	2	NUT
20	1006854-2	2	WASHER, "C"
21	1006856-7	2	LOCKWASHER
22	1006859-1	1	SPRING, return
23	1006865-8	2	PIN, anchor, return spring
24	0918448-2	4	PIN, cotter
25	3014535-3	2	PUSH ROD ASY.
26	3022262-4	2	CAM, brake adjusting
-	1007030-8	-	LINING KIT (Consists of 4 LININGS & 64 RIVETS)



WHEEL CYLINDER ASY.

PR65H X 1  
PR65H X 11  
PR65H X 37





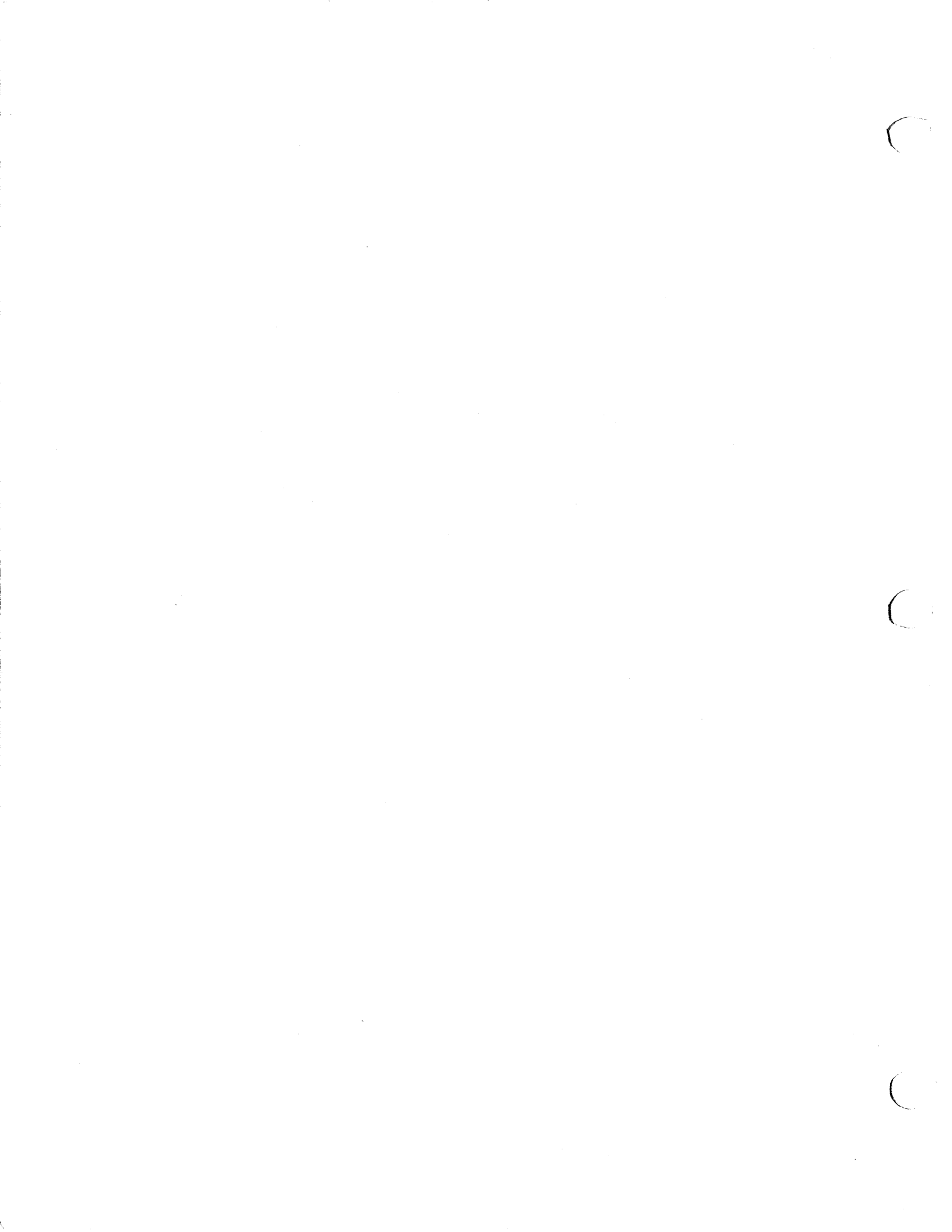
816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

151

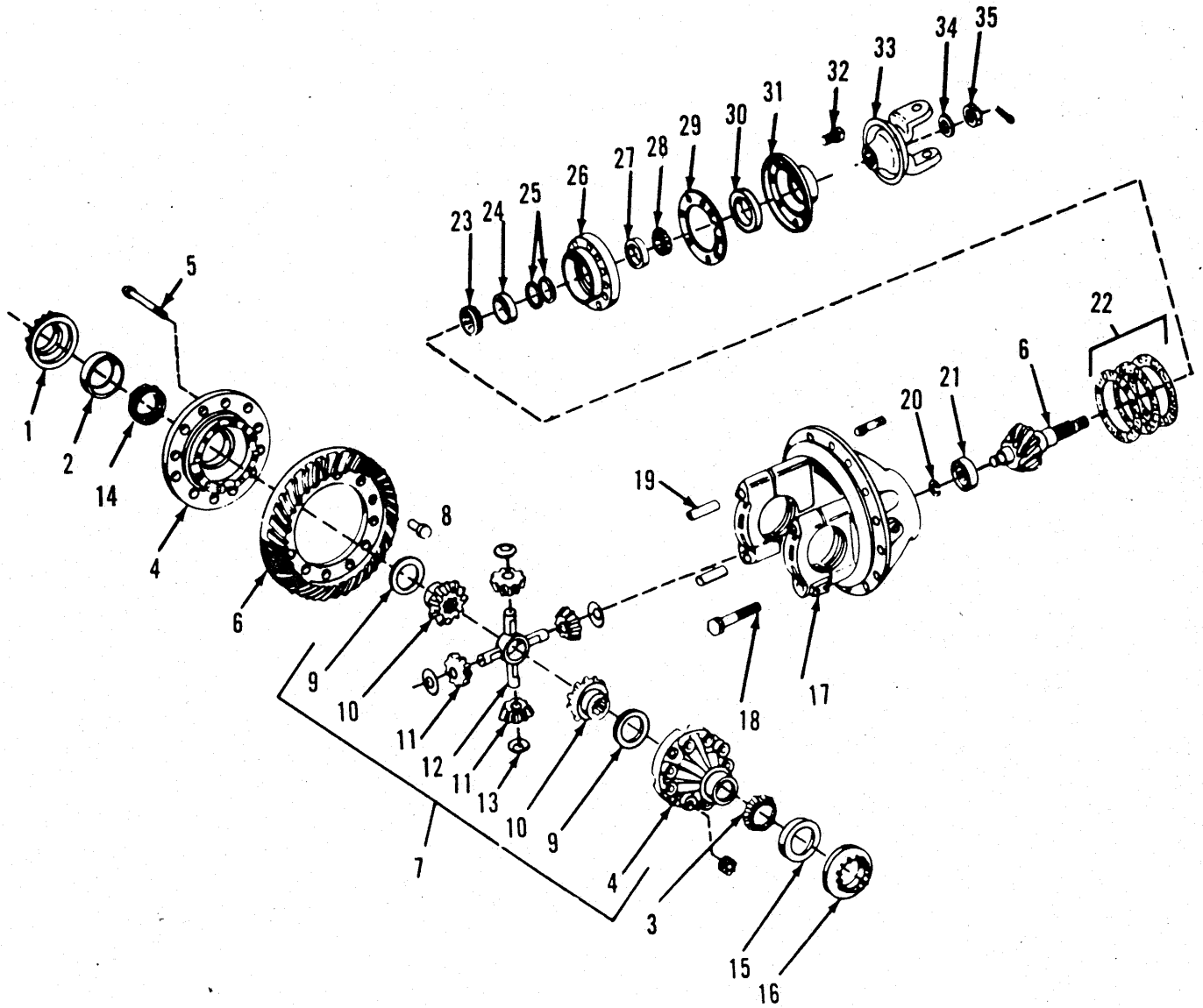
WHEEL CYLINDER ASY.

PR65H X 1  
PR65H X 11  
PR65H X 37

ITEM	NUMBER	QTY.	DESCRIPTION
-	1006866-6	1	CYLINDER ASY., wheel
	3051856-7	1	CYLINDER, w/fittings
1	3051855-9	2	BOOT, protecting ✓
2	3014530-4	2	PISTON
3	3014531-2	2	CUP, piston
4	-----	1	HOUSING, wheel cylinder (Not serviced)
5	3014532-0	1	SPRING, piston return
-	3051857-5	-	REPAIR KIT, wheel cylinder
	3014531-2	2	CUP, piston
	3051855-9	2	BOOT



DIFFERENTIAL  
PR65H X 11



816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

153

AXLE & HOUSING  
PR65HX 11

ITEM	NUMBER	QTY.	DESCRIPTION
-	1014843-5	-	AXLE ASY.
-	1006819-5	-	CARRIER ASY., differential (Use 1014835)
-	-----	-	BRAKE ASY.
-	-----	-	DRUM ASY.
-	-----	-	SHAFT ASY., axle
-	-----	-	CARRIER ASY., planetary
1	1006834-4	1	HOUSING ASY.
2	9003928-0	1	GASKET, carrier to housing
3	0923472-5	2	CAPSCREW, 7/16NC x2
	0923471-7	2	CAPSCREW, 7/16NC x1-1/4
	0923491-5	6	CAPSCREW, 7/16NC x1
	1146267-8	10	WASHER, flat
4	3007145-0	1	BREATHER, differential carrier
5	1006821-1	2	SLEEVE, wear
6	0904224-3	1	PLUG
7	1015564-6	1	PLUG, magnetic
8	3031761-4	32	BOLT

for A complete  
Breakdown See  
Next 2 Pages





PR65X-11

## DIFFERENTIAL CARRIER ASSEMBLY

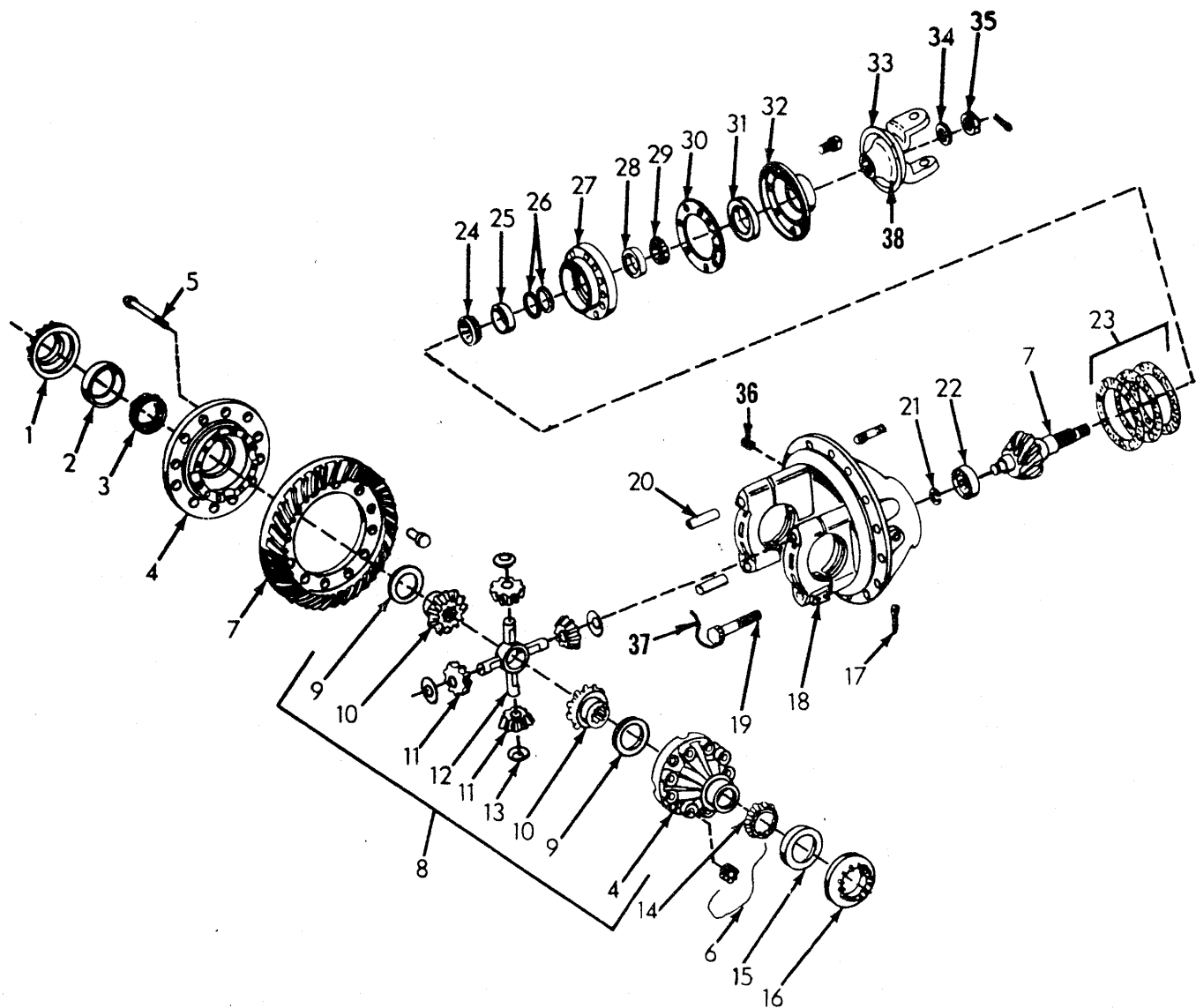
ITEM	NUMBER	QTY	DESCRIPTION
-	1006819-5	-	DIFFERENTIAL CARRIER ASSY.
1	3028710-6	1	RING, adjusting, left
2	0043001-7	1	CUP, bearing, left
3	3028749-4	1	CONE, roller bearing, left
4	1006841-8	1	CASE ASSY., (Incls. flange half and plain half of case, & bolts, & nuts from Item 5)
5	3048777-1	8	BOLT 1 0917360-0 Nut
6	3010603-3	1	LOCKWIRE
7	3034792-6	1	PINION AND RING GEAR (Serviced only as a set) 12 3048830-8 Bolt 12 3043186-0 Nut 1 3048829-0 Wire
8	1006840-0	1	DIFFERENTIAL ASSY., (Incls. Items 4, 6, & 9 thru 13)
9	3028746-0	2	THRUST WASHER, side gear
10	3028735-3	2	SIDE GEAR
11	3028732-0	4	DIFFERENTIAL PINION
12	3028747-8	1	SPIDER
13	3007255-7	4	THRUST WASHER, differential pinion
14	3028748-6	1	BEARING CONE, R.H.
15	3007247-4	1	CUP, bearing, R.H.
16	3028709-8	1	RING, bearing, R.H.
17	3037174-4	1	PIN, cotter (Special)
18	3028691-8	1	CARRIER AND CAP ASSY., (Incls. Carrier, Bearing Cups, & Items 19, 20 & 37)
19	3024586-4	4	CAPSCREW 1 3032781-1 Washer
20	3022314-3	4	PIN, dowel, differential cap
21	3007680-4	1	LOCK RING
22	3034793-4	1	REAR PINION BEARING
23	3028713-0	*	SHIM (.003 thick)
	3028714-7	*	SHIM (.005 thick)
24	3043932-7	1	CONE-INNER
25	3043933-5	1	CUP-INNER
26	3028717-1	1	SPACER KIT, differential
	3028718-9	*	SPACER, .172" thick
	3028719-7	*	SPACER, .173" thick
	3028720-5	*	SPACER, .174" thick
	3028721-3	*	SPACER, .175" thick
	3028722-1	*	SPACER, .176" thick
	3028723-9	*	SPACER, .177" thick
	3028724-7	1	SPACER KIT, differential
	3028725-4	*	SPACER, .183" thick
	3028726-2	*	SPACER, .189" thick
	3028727-0	*	SPACER, .195" thick
	3028728-8	*	SPACER, .201" thick
	3028729-6	*	SPACER, .207" thick
-	3028696-7	-	CAGE ASSY., (Incls. Items 24, 26, 27, & 29)
27	3043931-9	1	CAGE & CUP ASSY., (Incls. Items 25 & 28)
28	3029925-9	1	CUP, outer
29	3029924-1	1	CONE, outer
30	1006843-4	1	GASKET
31	3028697-5	1	SEAL, oil cover assembly
32	3028698-3	1	COVER ASSEMBLY, (Incls. Item 31) 8 0920415-7 Capscrew

\* As Required

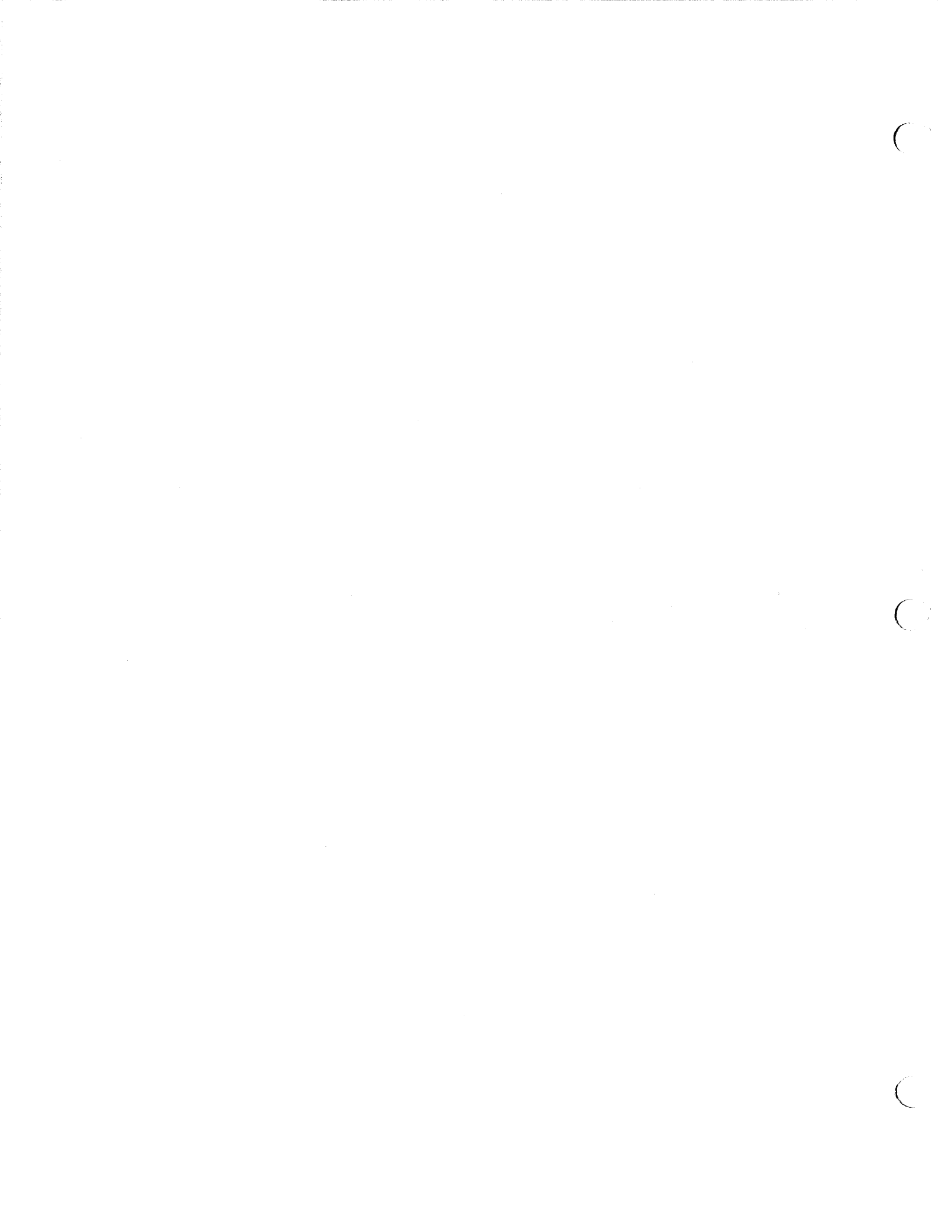
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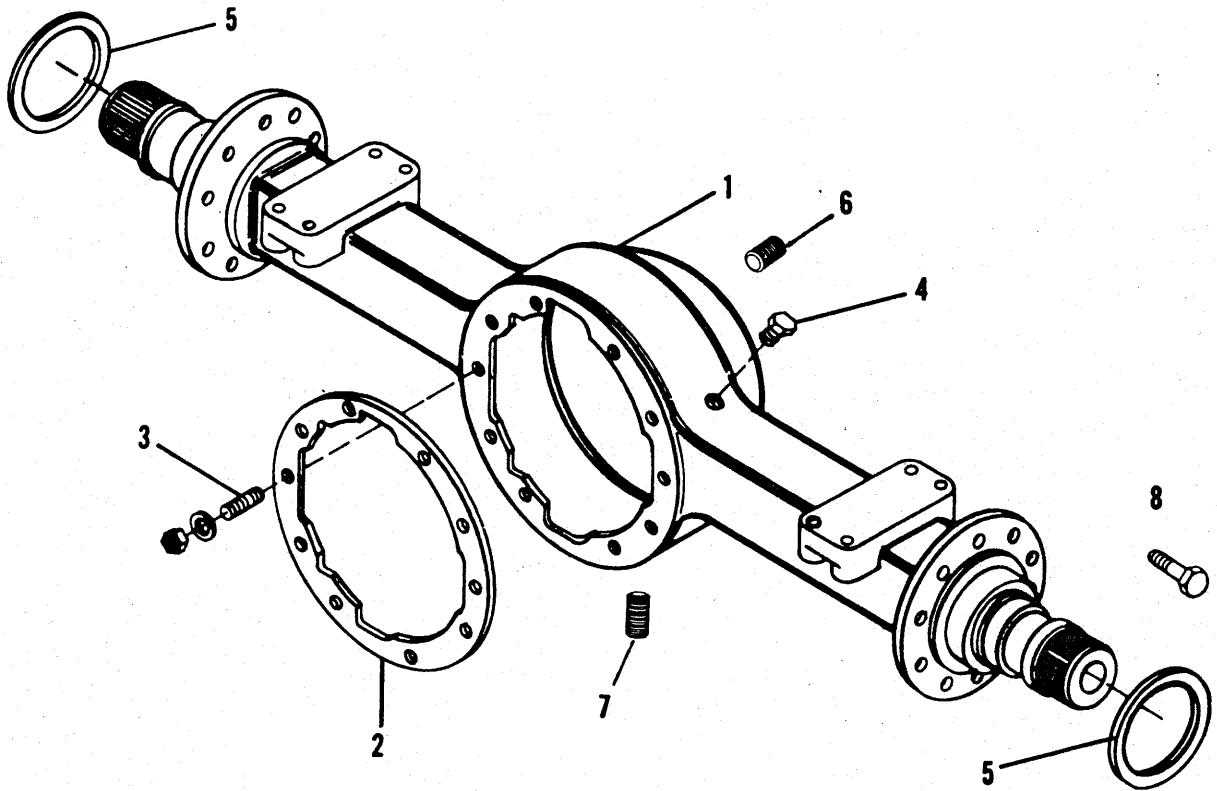
## DIFFERENTIAL CARRIER ASSEMBLY

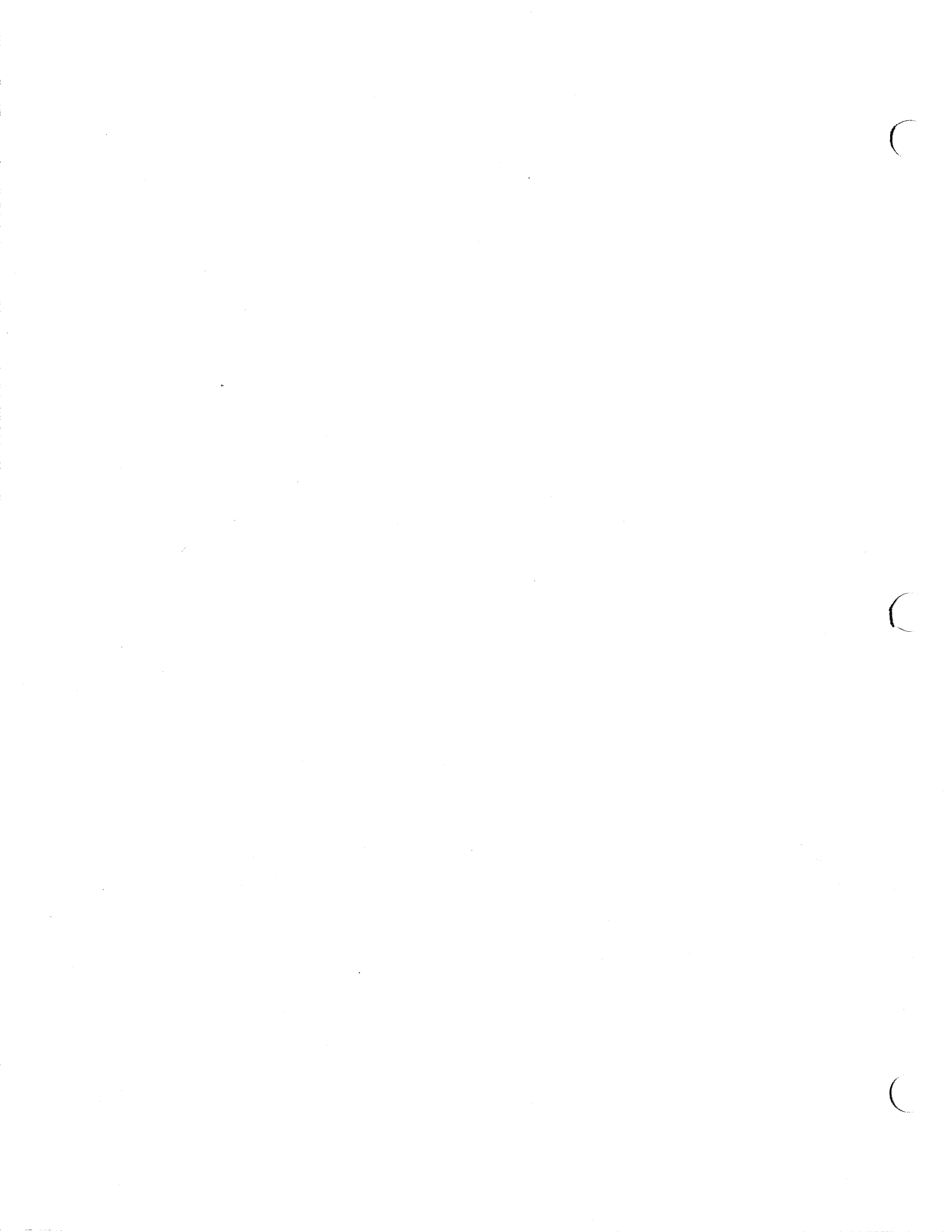


ITEM	NUMBER	QTY	DESCRIPTION
33	1006837-6	1	YOKE ASSY., (Incls. Item 38)
34	3024633-4	1	WASHER
35	1006844-2	1	NUT, slotted
	1 0925719-7		Pin, cotter
36	1006836-8	1	FILLER HOLE PLUG
37	3028712-2	2	LOCKWIRE
38	1006842-6	1	SLINGER



AXLE & HOUSING  
PR65H X 11





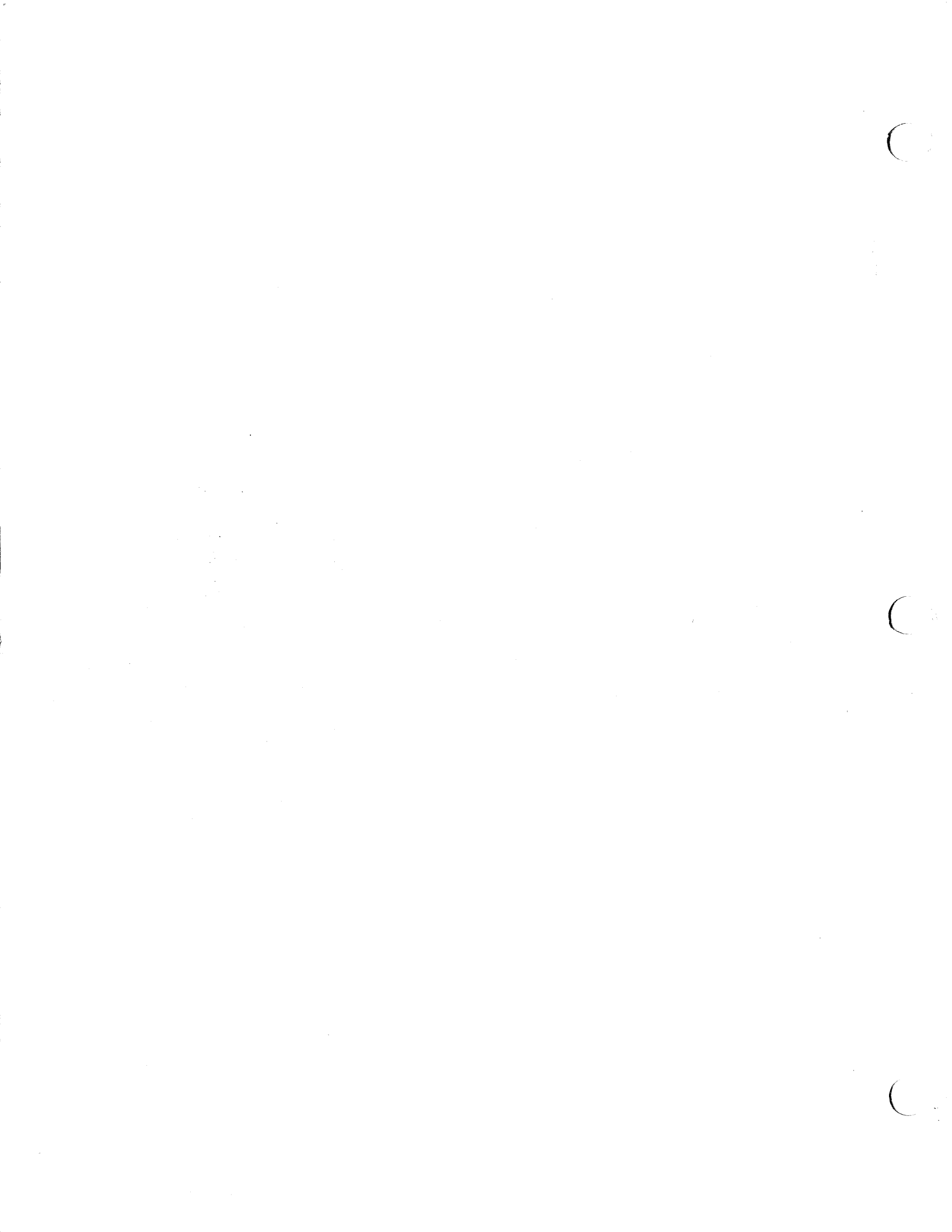
816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

155

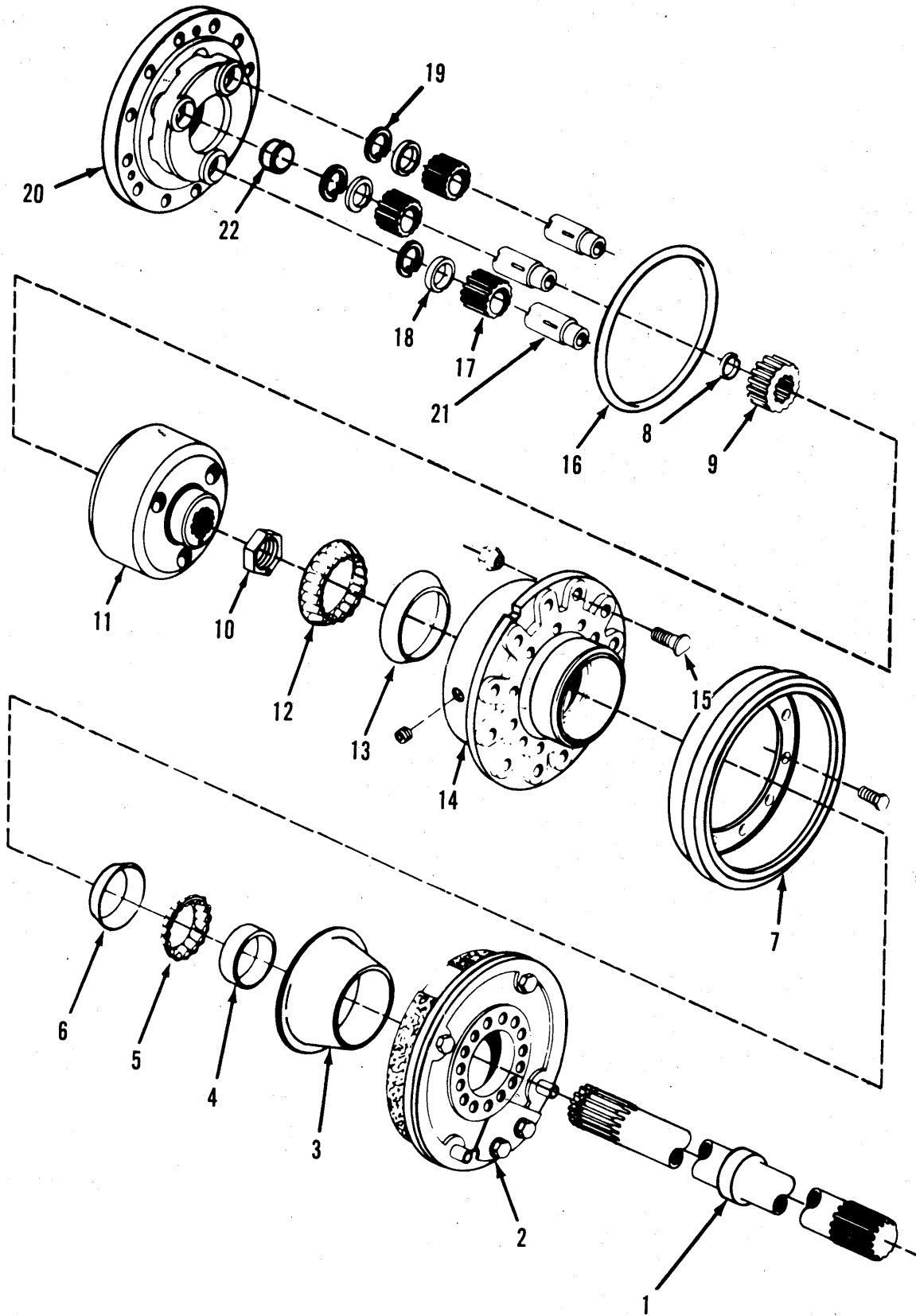
DIFFERENTIAL  
PR65H X 11

ITEM	NUMBER	QTY.	DESCRIPTION
-	1006819-5	-	CARRIER, differential (Incl. Items 1 thru 35) (Use 1014835)
1	3028710-6	1	RING, adjusting, left
2	0202584-9	1	CUP, bearing, flange case
3	0209894-5	1	CONE, roller bearing, flange case
4	1006841-9	1	CASE ASY., differential (Incl. FLANGE HALF, one PLAIN HALF, & Item 5)
5	0930376-9	8	CAPSCREW
6	3034792-6	1	GEAR ASY., pinion (Serviced only as a unit)
7	1006840-1	1	DIFFERENTIAL ASY. (Incl. Items 4, 5, & 9 thru 13)
8	1022918-5	12	BOLT
	1143613-6	12	WASHER
	0930996-4	12	NUT
9	3028746-0	2	WASHER, thrust
10	1014910-2	2	GEAR, bevel side
11	3028732-0	4	PINION, differential
12	3028747-8	1	SPIDER, pinion
13	3007255-7	4	WASHER, thrust
14	3028749-4	1	CONE, bearing, plain case
15	0043001-7	1	CUP, bearing, plain case
16	3028709-8	1	RING, adjusting, right
17	1017236-9	1	CARRIER ASY. KIT (Incl. Items 17, 18 & 19)
	1014850-0	1	CARRIER ASY. (Incls. CARRIER & CAP ASY. plus FILLER PLUG)
	3022314-3	-	CAPSCREW (Refer to HOUSING group)
18	0930471-8	4	CAPSCREW
	3032781-1	4	WASHER, flat
	0904224-3	1	PLUG, filler
19	-----	-	PIN, dowel, differential cap (Not serviced)
20	0408431-5	1	RING, lock, bearing retaining
21	3073680-5	1	BEARING, drive pinion
22	1014875-7	1	SHIM (.003 thk.) (Use as req'd)
	1014876-5	3	SHIM (.005 thk.) (Use as req'd)
	1014877-3	4	SHIM (.010 thk.) (Use as req'd)
23	3043932-7	1	CONE, inner
24	0930885-9	1	CUP, inner
25	3028717-1	1	SPACER KIT, differential
	3028724-7	1	SPACER KIT, differential
26	3075598-7	1	CAGE ASY., pinion bearing (Incl. Items 24 & 27)
27	0202573-2	1	CUP, outer
28	0604389-7	1	CONE, outer
29	3028730-4	1	GASKET, cage asy.
30	3028697-5	1	SEAL, oil, cover asy.
31	3028698-3	1	COVER ASY. (Incl. Item 30)
32	0920415-7	8	CAPSCREW
33	1006837-7	1	YOKE ASY. (Incl. SLINGER)
	1006842-7	1	SLINGER
34	3024633-4	1	WASHER, plain
35	3059730-6	1	NUT, slotted
	0925719-7	2	PIN, cotter





SHAFT & HUB  
PR65HX 11

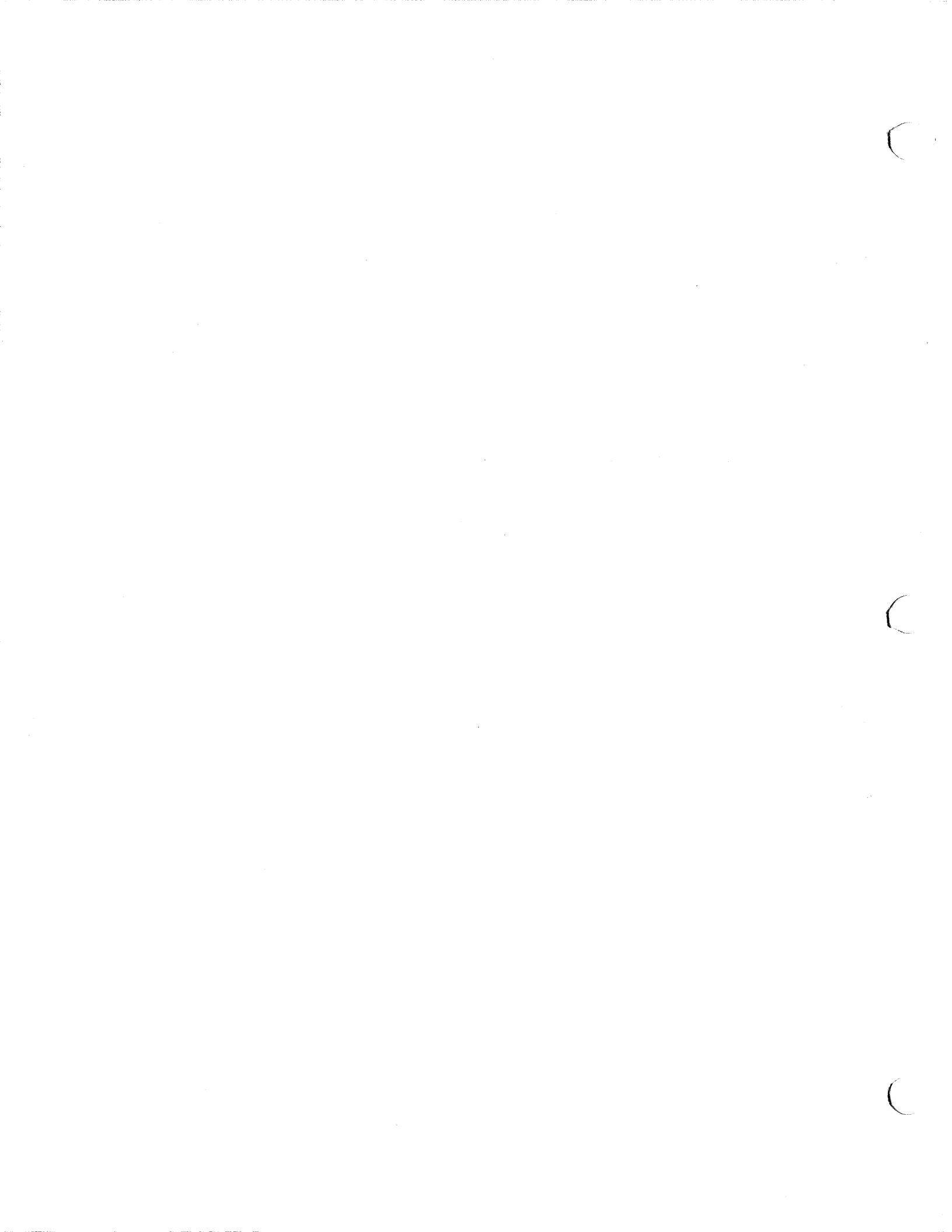


816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

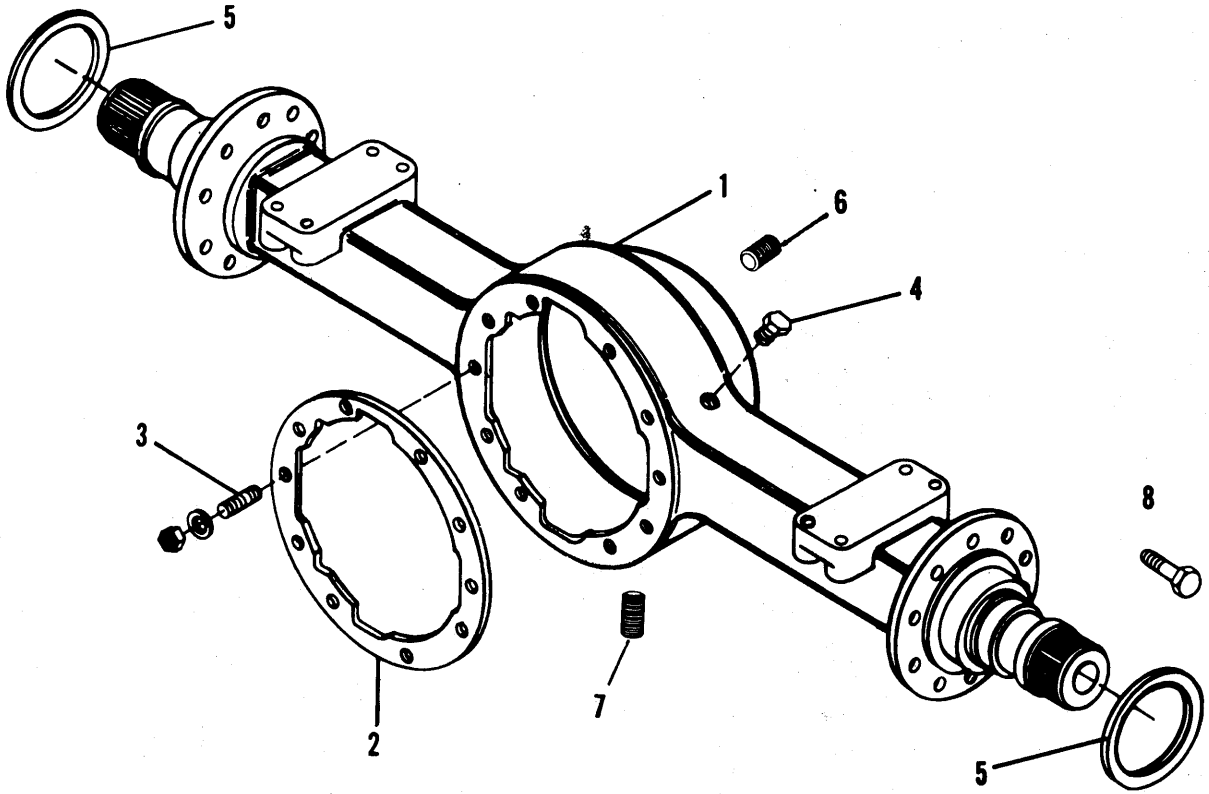
157

SHAFT & HUB  
PR65H X 11

ITEM	NUMBER	QTY.	DESCRIPTION
—	1015565-3	2	SHAFT ASY., axle (Incl. Items 1, 8 & 9)
1	1006870-8	2	SHAFT, axle
2	-----	2	BRAKE ASY. (Refer to BRAKE PARTS for components)
	1005715-6	20	BOLT
	1005716-4	20	WASHER, flat
	0930864-4	20	NUT
3	1006861-7	2	SLINGER, oil
4	1006864-1	2	SEAL, oil
5	1006823-7	2	CONE, hub bearing, inner
6	0928829-1	2	CUP, bearing, inner
7	1006862-5	2	DRUM, brake
	0926161-1	10	CAPSCREW
	3061917-5	1	LOCKWIRE
8	3034907-0	2	RING, snap
9	1005836-0	2	GEAR, sun
10	1006825-2	2	LOCKNUT ASY., hub retaining
	3050698-4	2	PIN
11	1006826-0	2	GEAR, ring
12	1005823-8	2	CONE, bearing, outer
13	0928829-1	2	CUP, bearing, outer
14	1005839-4	2	HUB ASY., wheel (Incl. Items 6 & 13)
15	3022121-2	16	STUD, wheel attaching
	4726656-4	16	NUT, locking
16	0930984-0	2	O-RING (RTV Sealant)
	1014837-7	2	SPIDER ASY. (Incl. Items 17 thru 20)
17	1005837-8	6	PINION, gear
18	3028654-6	6	WASHER, pinion gear, outer
19	3028656-1	6	RING, snap
20	1005838-6	2	SPIDER, planetary
	0904224-3	1	PLUG, fill
	0901653-6	1	PLUG, drain
21	3058400-7	6	SHAFT, pinion gear
	0921432-1	6	SETSCREW, shaft
22	3028657-9	2	BUTTON, thrust



AXLE & HOUSING  
PR65H X 37



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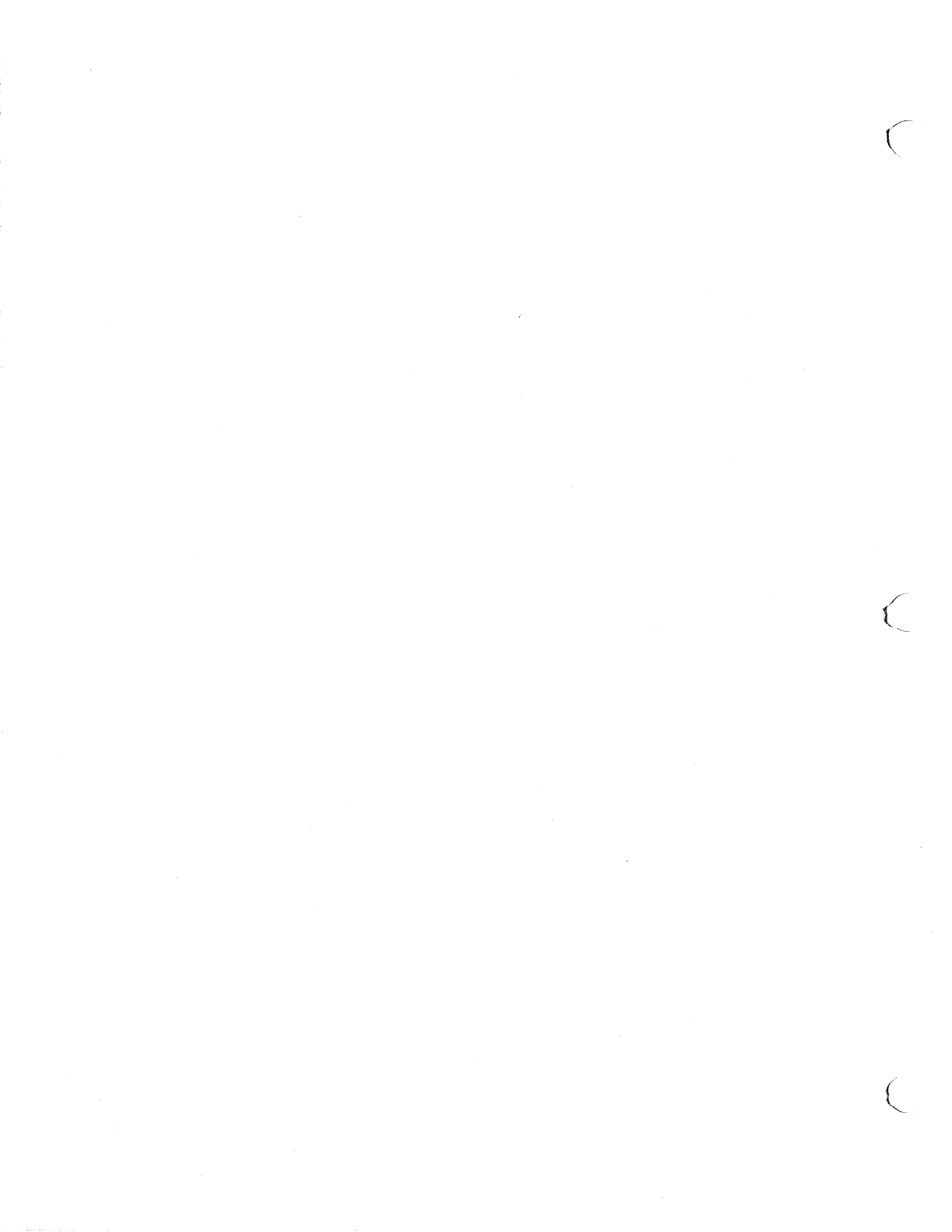
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816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

159

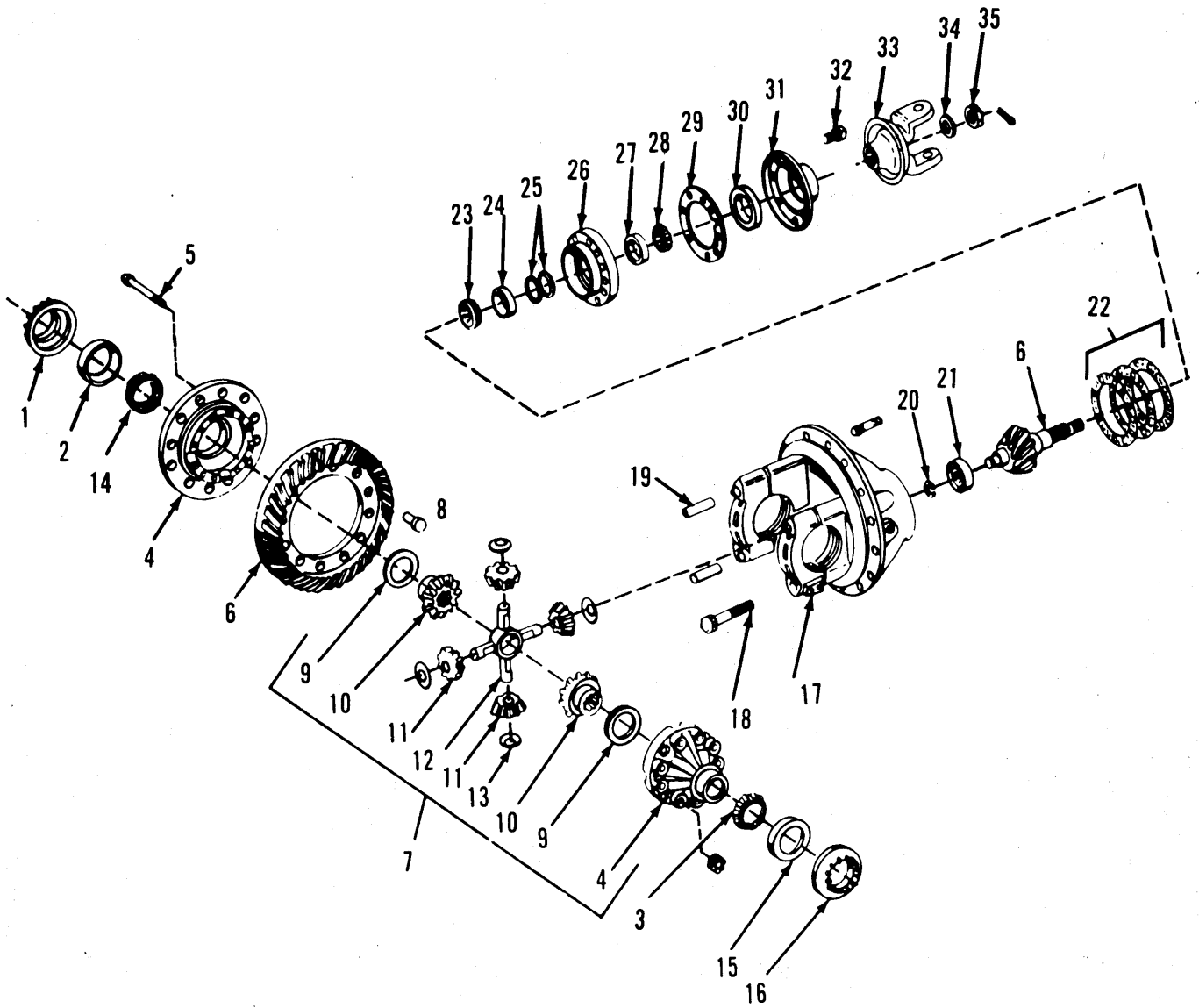
AXLE & HOUSING  
PR65H X 37

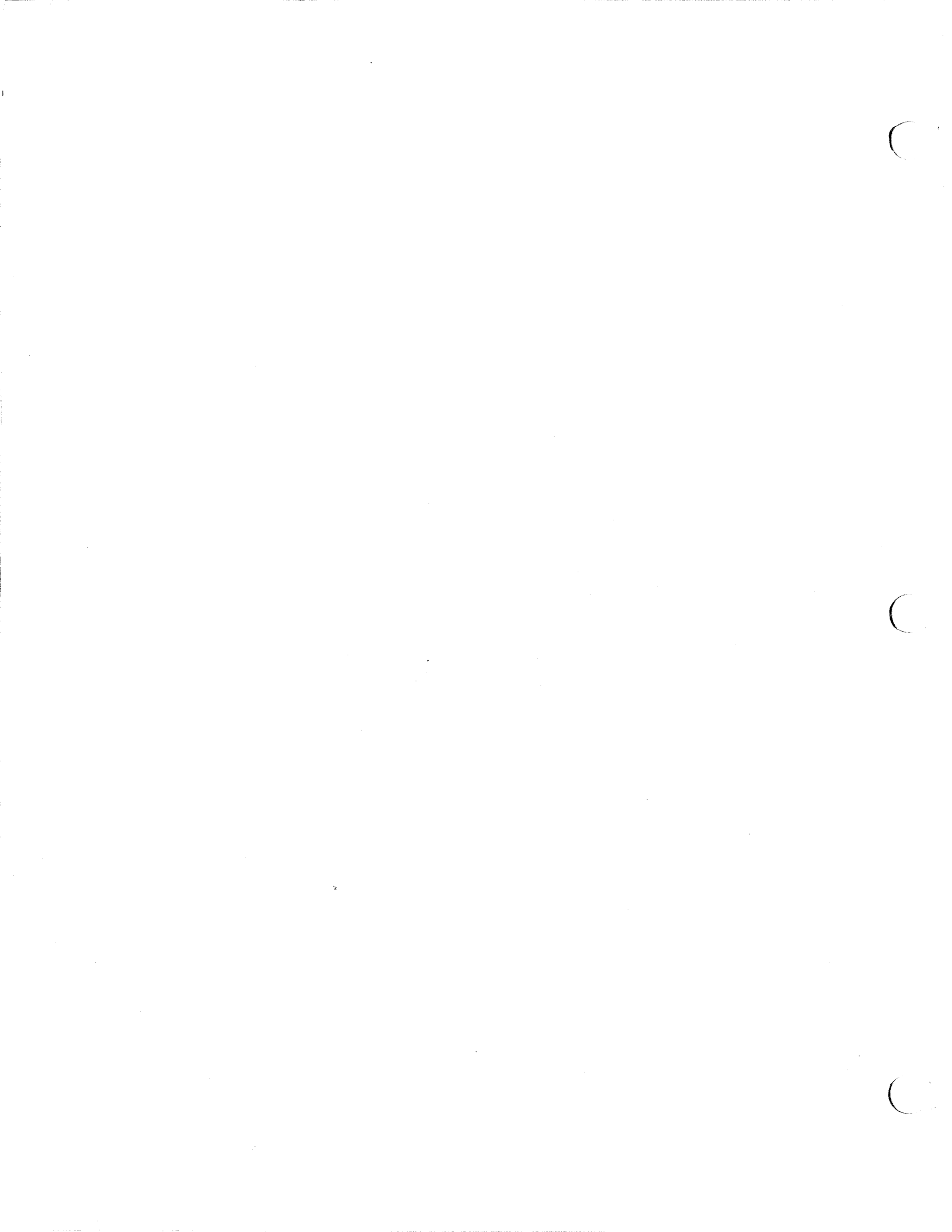
ITEM	NUMBER	QTY.	DESCRIPTION
-	1015305-4	-	AXLE ASY.
-	1019628-5	-	CARRIER ASY., differential (Use 1023763)
-	-----	-	BRAKE ASY.
-	-----	-	DRUM ASY.
-	-----	-	SHAFT ASY., axle
-	-----	-	CARRIER ASY., planetary
1	1006834-4	1	HOUSING ASY.
2	9003928-0	1	GASKET, carrier to housing
3	0923472-5	2	CAPSCREW, 7/16NC x2
	0923471-7	2	CAPSCREW, 7/16NC x1-1/4
	0923491-5	6	CAPSCREW, 7/16NC x1
	1146267-8	10	WASHER, flat
4	3007145-0	1	BREATHER, differential carrier
5	1006821-1	2	SLEEVE, wear
6	0904224-3	1	PLUG
7	1015564-6	1	PLUG, magnetic
8	0923494-9	32	BOLT





DIFFERENTIAL  
PR65H X 37





816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

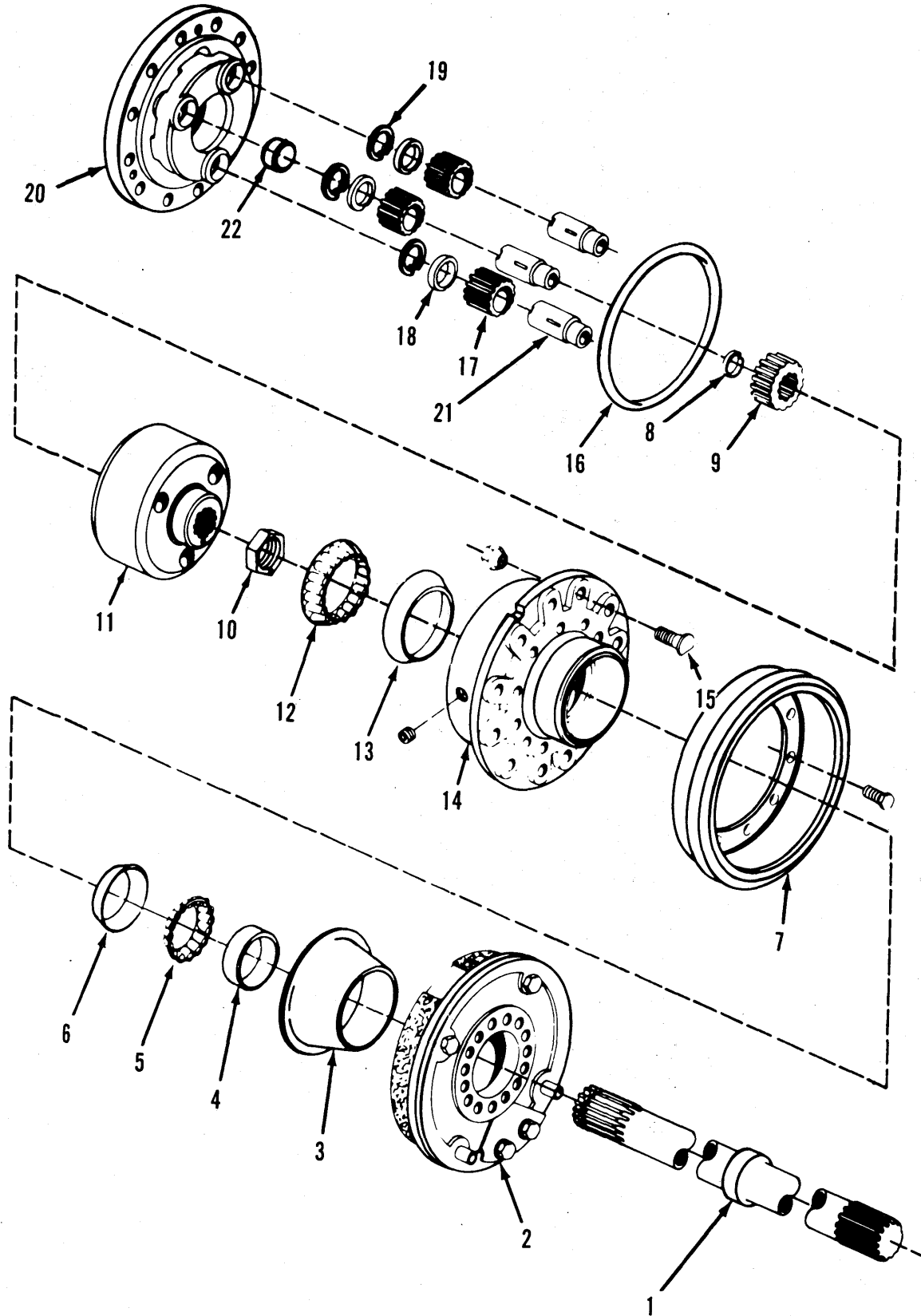
161

DIFFERENTIAL  
PR65H X 37

ITEM	NUMBER	QTY.	DESCRIPTION
-	1019628-5	-	CARRIER ASY., differential (Incl. Items 1 thru 35) (Use 1023763)
1	3028709-8	1	RING, adjusting, left
2	0929396-0	1	CUP, bearing, flange case
3	3028749-4	1	CONE, roller bearing, flange case
4	3052665-1	1	CASE ASY., differential (Incl. FLANGE HALF, one PLAIN HALF, & Item 5)
5	1022919-3	8	CAPSCREW
	1143613-6	8	WASHER
6	1008643-7	1	GEAR ASY., pinion (Serviced only as a unit)
7	3048801-9	1	DIFFERENTIAL ASY. (Incl. Items 4, 5, & 9 thru 13)
8	1022918-5	12	BOLT
	1143613-6	12	WASHER
	0930996-4	12	NUT
9	3028746-0	2	WASHER, thrust
10	1014910-2	2	GEAR, bevel side
11	3028732-0	4	PINION, differential
12	3028747-8	1	SPIDER, pinion
13	3007255-7	4	WASHER, thrust
14	3028749-4	1	CONE, bearing, plain case
15	0929396-0	1	CUP, bearing, plain case
16	3028709-8	1	RING, adjusting, right
17	1014844-3	1	CARRIER ASY. KIT (Incl. Items 17, 18 & 19)
	1014850-0	1	CARRIER ASY. (Incls. CARRIER ASY. plus FILLER PLUG)
	3022314-3	-	CAPSCREW (Refer to HOUSING group)
18	0930471-8	4	CAPSCREW
	3032781-1	4	WASHER, flat
	0904224-3	1	PLUG, filler
19	-----	-	PIN, dowel, differential cap (Not serviced)
20	0408431-5	1	RING, lock, bearing retaining
21	3073680-5	1	BEARING, drive pinion (Use 1023219)
22	1014875-7	1	SHIM (.003 thk.) (Use as req'd)
	1014876-5	3	SHIM (.005 thk.) (Use as req'd)
	1014877-3	4	SHIM (.010 thk.) (Use as req'd)
23	0929834-0	1	CONE, inner
24	0931637-3	1	CUP, inner
25	3028717-1	1	SPACER KIT, differential
	3028724-7	1	SPACER KIT, differential
26	1019496-7	1	CAGE ASY., pinion bearing (Incl. Items 24 & 27) (Use 1023221)
27	0931637-3	1	CUP, outer
28	0929834-0	1	CONE, outer
29	3048802-7	1	GASKET, cage asy.
30	3028697-5	1	SEAL, oil, cover asy. (Use 1014878)
31	1014846-8	1	COVER ASY. (Incl. Item 30)
32	0920415-7	8	CAPSCREW (Use 1022919)
33	1006837-7	1	YOKE ASY. (Incl. SLINGER) (Use 1023220 w/SPACER 1023714)
	1006842-7	1	SLINGER (Use 1023218)
34	3024633-4	1	WASHER, plain
35	3059730-6	1	NUT, slotted
	0925719-7	2	PIN, cotter



SHAFT & HUB  
PR65H X 37



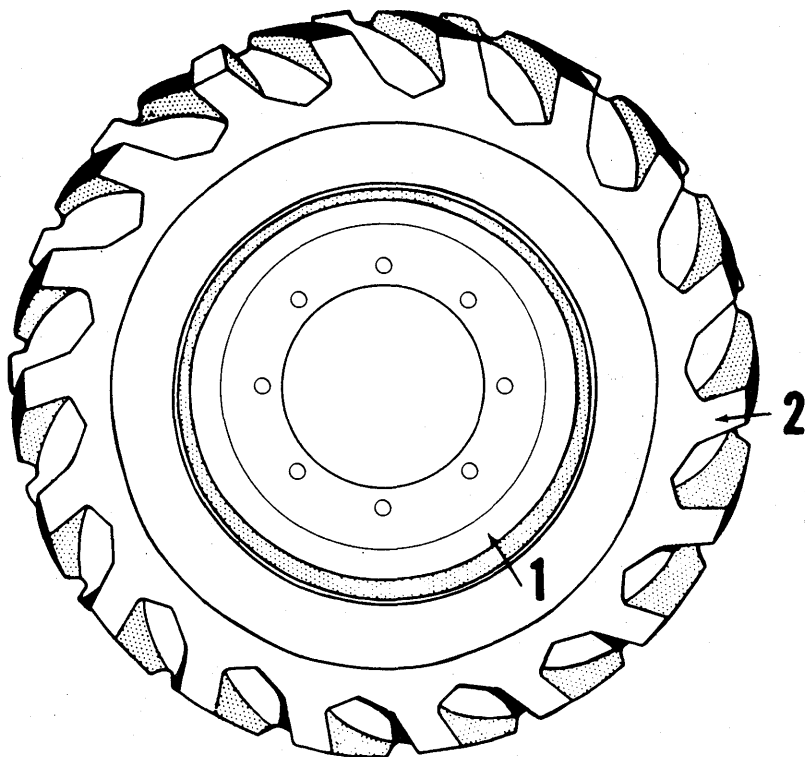
816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

163

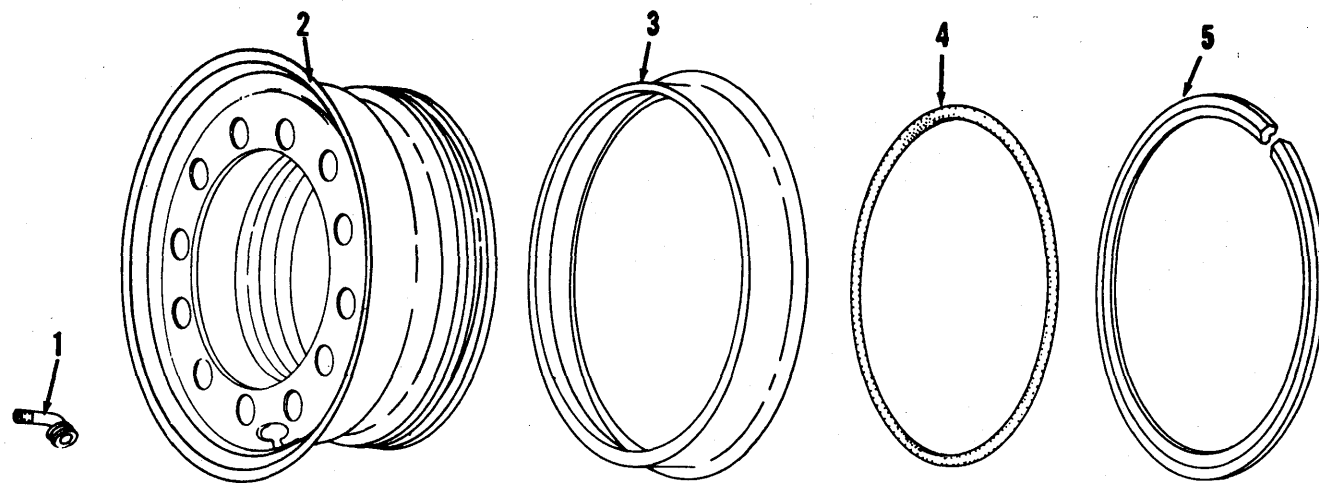
SHAFT & HUB  
PR65H X 37

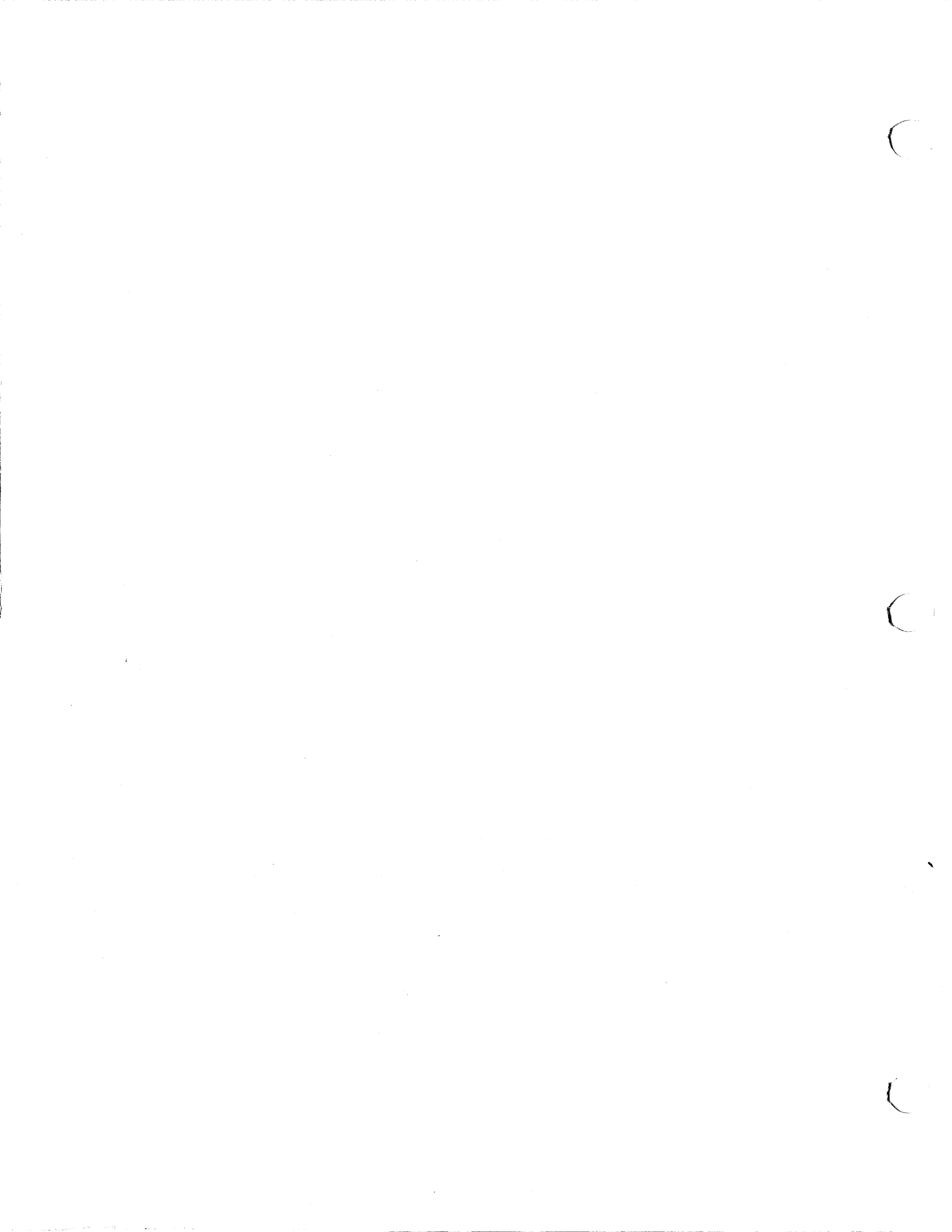
ITEM	NUMBER	QTY.	DESCRIPTION
-	1015565-3	2	SHAFT ASY., axle (Incl. Items 1, 8 & 9)
1	1006870-8	2	SHAFT, axle
2	-----	2	BRAKE ASY. (Refer to BRAKE PARTS for components)
	1006715-5	20	BOLT
	1005716-4	20	WASHER, bolt
	0930864-4	20	NUT
3	1006861-7	2	SLINGER, oil
4	1006864-1	2	SEAL, oil
5	1006823-7	2	CONE, hub bearing, inner
6	0928829-1	2	CUP, bearing, inner
7	1006862-5	2	DRUM, brake
	0926161-1	10	CAPSCREW
	3061917-5	1	LOCKWIRE
8	3034907-0	2	RING, snap
9	1005836-0	2	GEAR, sun
10	1006825-2	2	LOCKNUT ASY., hub retaining
	3050698-4	2	PIN
11	1006826-0	2	GEAR, ring
12	1006823-7	2	CONE, bearing, outer
13	0928829-1	2	CUP, bearing, outer
14	1005839-4	2	HUB ASY., wheel (Incl. Items 6 & 13)
15	3022121-2	16	STUD, wheel attaching
	4726656-4	16	NUT, locking
16	0930984-0	2	O-RING (RTV Sealant)
-	1014837-7	2	SPIDER ASY. (Incl. Items 17 thru 20)
17	1005837-8	6	PINION, gear
18	3028654-6	6	WASHER, pinion gear, outer
19	3028656-1	6	RING, snap
20	1005838-6	2	SPIDER, planetary
	0904224-3	1	PLUG, fill
	0901653-6	1	PLUG, drain
21	3058400-7	6	SHAFT, pinion gear
	0921432-1	6	SETSCREW, shaft
22	3028657-9	2	BUTTON, thrust

TIRE & WHEEL  
REAR



WHEEL GROUP  
SPECIAL







816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

165

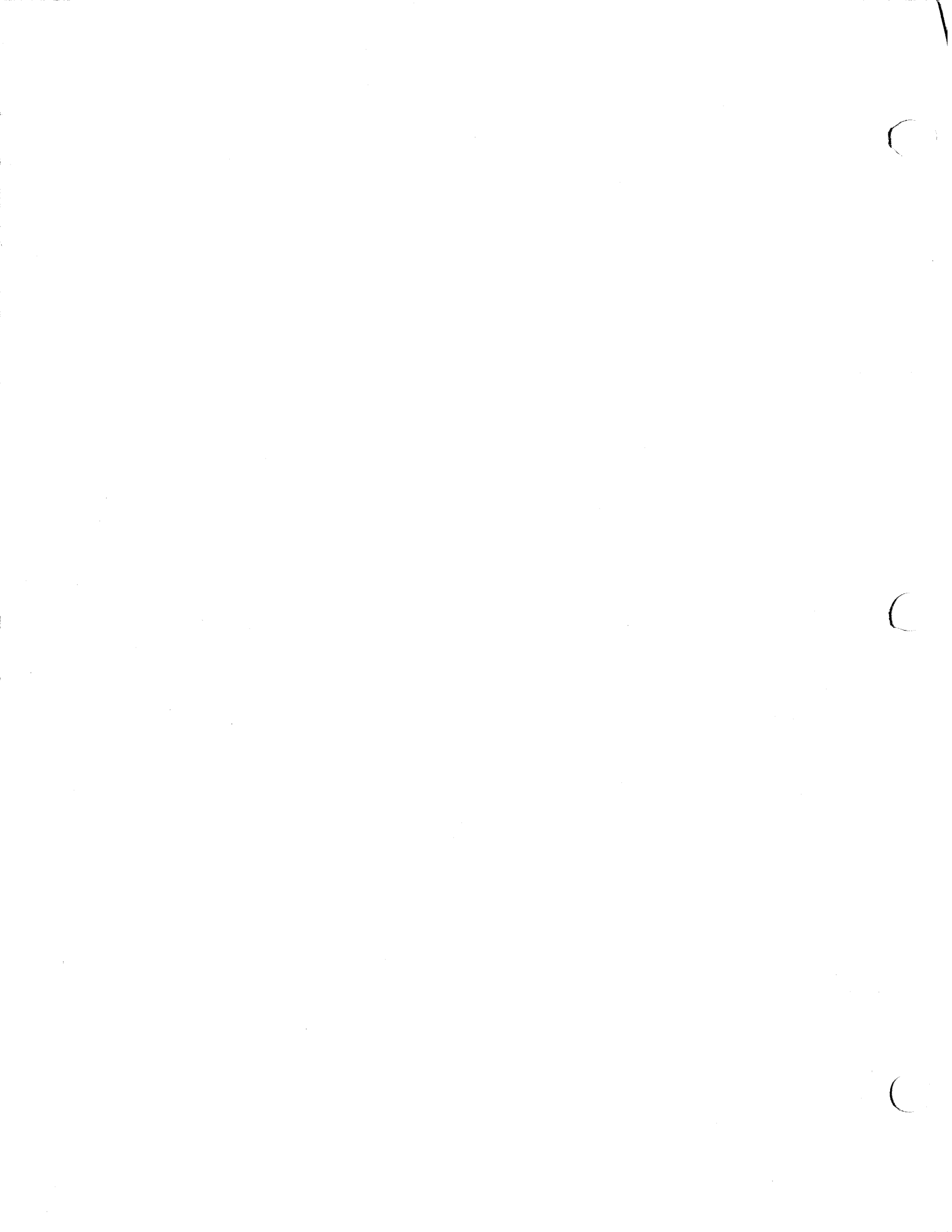
TIRE & WHEEL  
REAR

ITEM	NUMBER	QTY.	DESCRIPTION
1	1004719-9	2	WHEEL, rear (For 16.9-24 tire) (Rim & Disk)
2	-----	2	TIRE & TUBE (16.9-24, R-4, 10-ply)

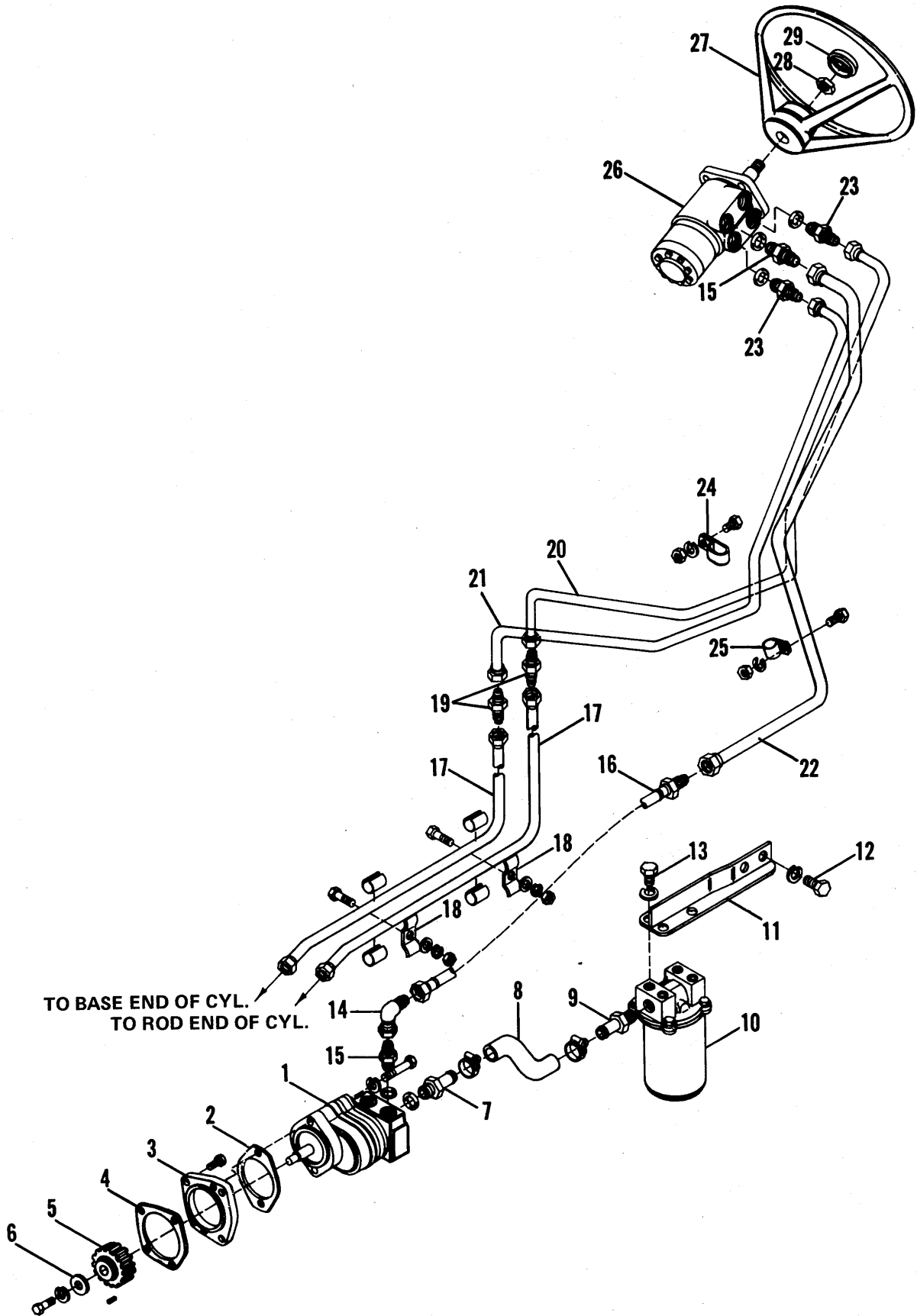
WHEEL GROUP  
SPECIAL

ITEM	NUMBER	QTY.	DESCRIPTION
1	3027334-6	1	VALVE ASY. (Used w/14.00-24 Tire) (Serviced only as a unit)
	3052021-7	1	VALVE ASY. (Used w/15.50-25 Tire) (Serviced only as a unit)
2	1005302-3	1	WHEEL (For 14.00-24 Tire)
	1005306-4	1	WHEEL (For 15.50-25 Tire)
3	3027275-1	1	RING, side (Used w/14.00-24 Tire)
	3038763-3	1	RING, side (Used w/15.50-25 Tire)
4	3024120-2	1	O-RING (Used w/14.00-24 Tire)
	3038765-8	1	O-RING (Used w/15.50-25 Tire)
5	3027276-9	1	RING, lock (Used w/14.00-24 Tire)
	3038764-1	1	RING, lock (Used w/15.50-25 Tire)

NOTE: Quantities indicated are for one (1) wheel only.



POWER STEERING



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816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

167

POWER STEERING

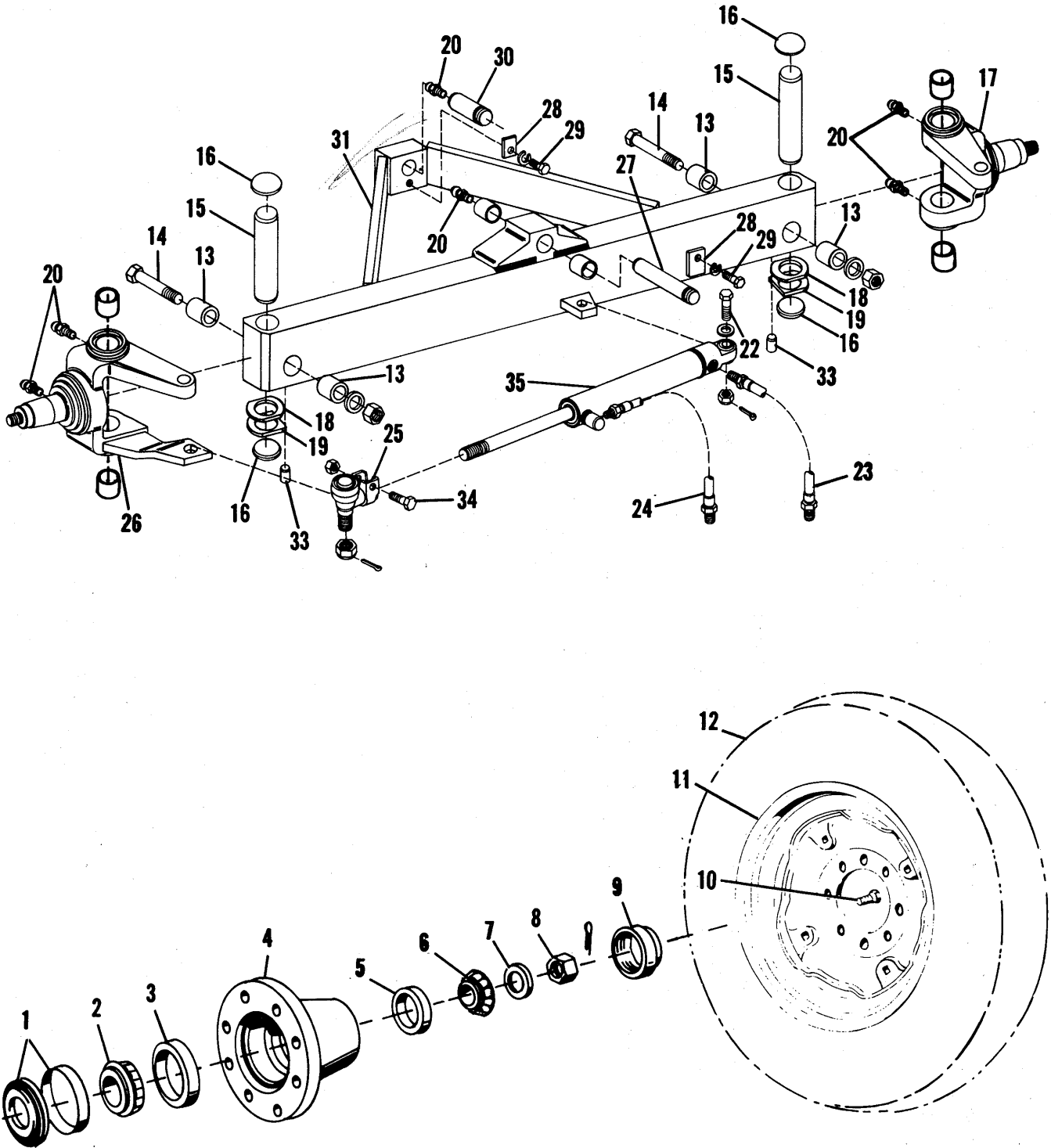
ITEM	NUMBER	QTY.	DESCRIPTION
1	1006213-1	1	PUMP ASY., steering (Refer to STEERING PUMP & FLOW DIVIDER for components)
	0923504-5	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
2	4026549-8	1	GASKET, pump to adapter
3	1006197-6	1	ADAPTER, pump to timing gear
4	0927512-4	4	SCREW
4	1006615-7	1	GASKET, adapter to timing gear
5	1006198-4	1	GEAR, pump drive
	0915569-8	1	KEY
6	1006196-8	1	WASHER
7	0926870-7	1	CONNECTOR, hose (Incl. O-RING)
	0921886-8	1	O-RING
8	1007100-9	1	HOSE
	0921912-2	2	CLAMP, hose
9	0925056-4	1	CONNECTOR, hose
10	-----	1	FILTER ASY., steering (Refer to FILTER ASY. for components) (Eff. S/N 816-2460 & Up)
11	1007101-7	1	SUPPORT ASY.
12	0926115-7	2	CAPSCREW
	0916966-5	2	LOCKWASHER, 1/2
13	0921965-0	4	CAPSCREW
	0916965-7	4	LOCKWASHER, 3/8
14	0921279-6	1	ELBOW, adj., 90°
15	0921409-9	2	CONNECTOR (Incl. O-RING)
	0921349-7	2	O-RING
16	1006409-5	1	HOSE ASY., pump, power steering
17	1006406-1	2	TUBE ASY., cylinder front to orbitrol
18	0245342-1	2	CLAMP
	0236233-3	4	CUSHION, tube
	0926148-8	2	CAPSCREW
	0918264-3	2	WASHER
	0916964-0	2	LOCKWASHER, 1/4
	0916622-4	2	NUT, 1/4NC
19	0919065-3	2	UNION
20	1006233-9	1	TUBE ASY., orbitrol to cylinder
21	1006234-7	1	TUBE ASY., orbitrol to cylinder
22	1006235-4	1	TUBE ASY., orbitrol to cylinder
23	0922457-7	2	CONNECTOR (Incl. O-RING)
	0921349-7	2	O-RING
24	0927098-4	1	CLAMP
	0921960-1	1	CAPSCREW
	0916964-0	1	LOCKWASHER, 1/4
	0916622-4	1	NUT, 1/4NC
25	0927097-6	1	CLAMP
	0921960-1	1	CAPSCREW
	0916964-0	1	LOCKWASHER, 1/4
	0916622-4	1	NUT, 1/4NC
26	-----	1	VALVE & SHAFT ASY., control (Refer to VALVE COLUMN ASY. for components)
	0921969-2	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
27	0256852-5	1	WHEEL, steering
28	0252471-8	1	NUT
29	0246722-3	1	CAP, steering wheel

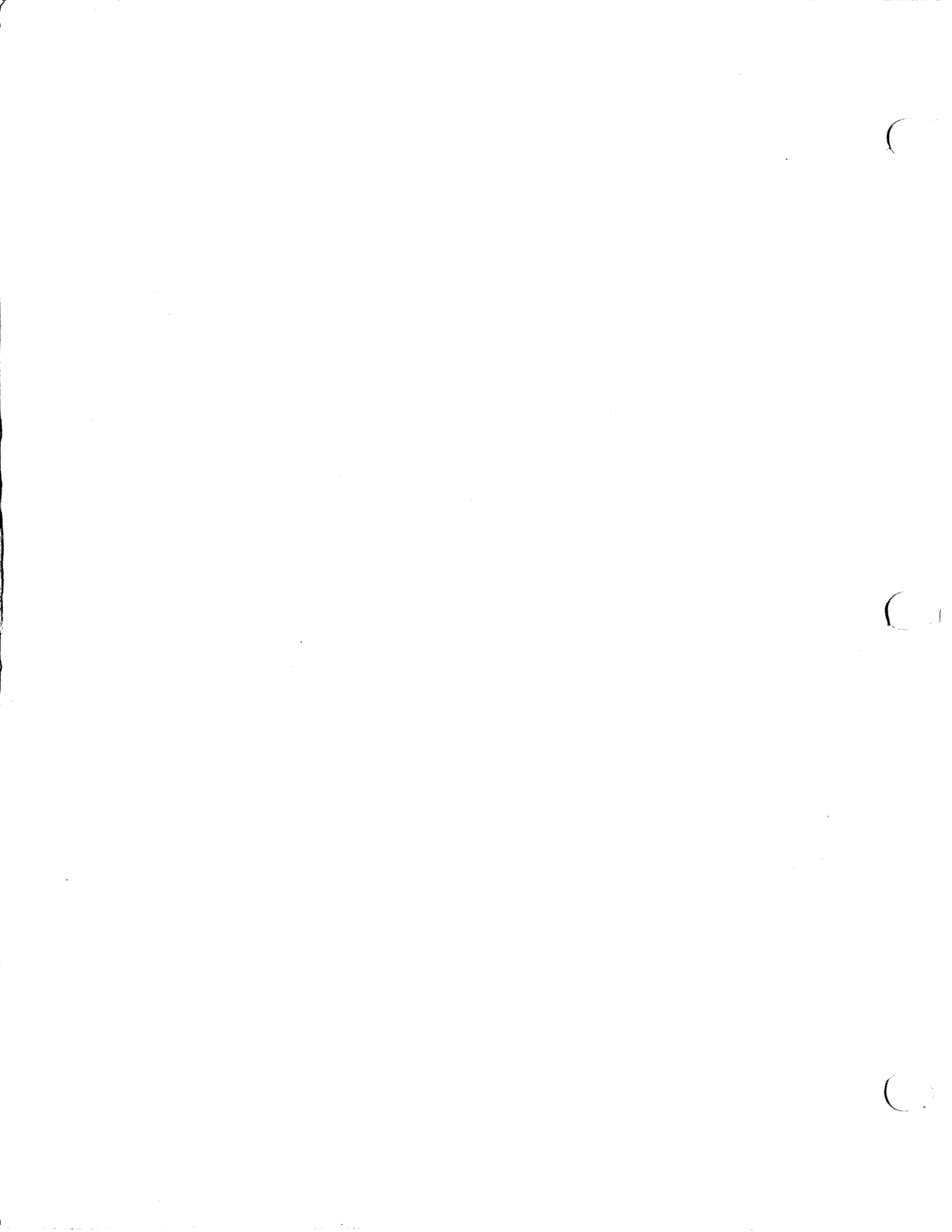
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FRONT AXLE & WHEEL ASY. & MTG.







816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

169

FRONT AXLE & WHEEL ASY. & MTG.

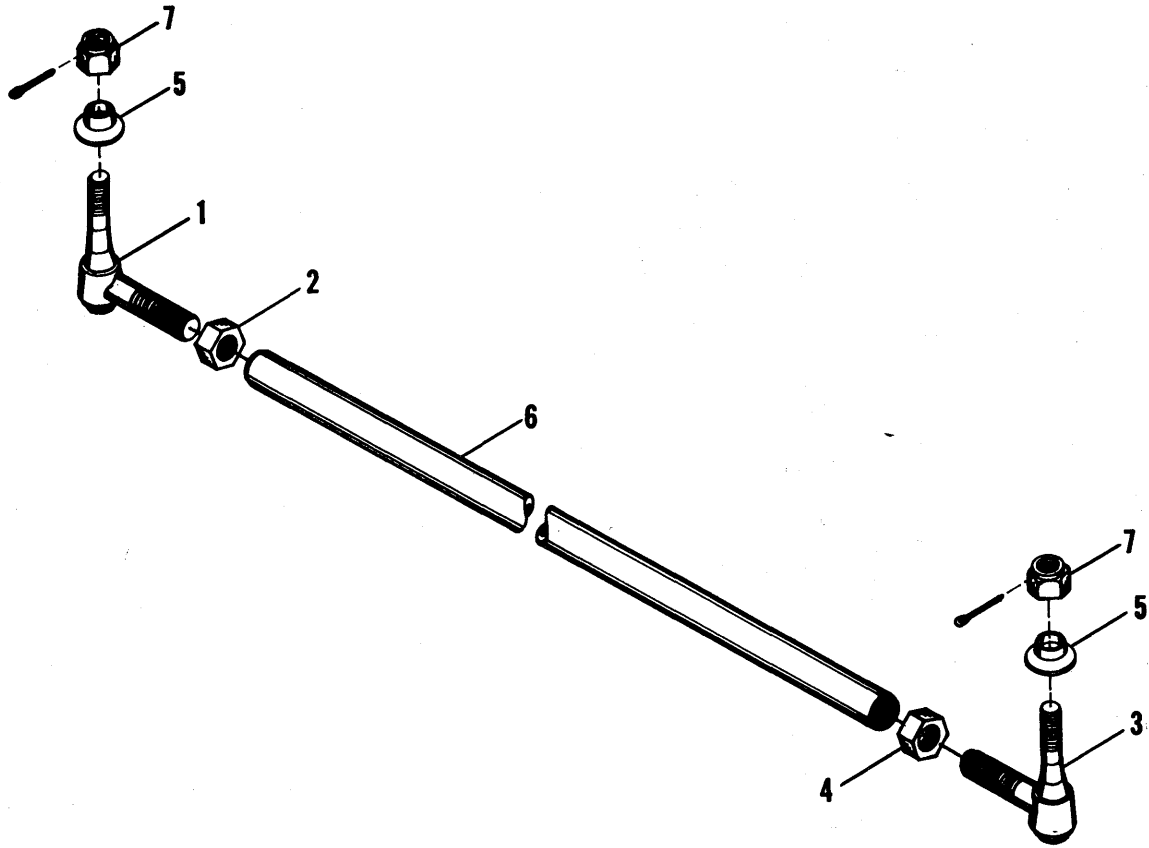
ITEM	NUMBER	QTY.	DESCRIPTION
1	0250850-5	2	WEAR SEAL & SLEEVE KIT (Order component parts)
	0250857-0	2	SEAL
	0250849-7	2	SLEEVE
2	0043491-0	2	CONE, bearing, inner
3	4250616-2	2	CUP, bearing, inner
4	0250854-7	2	HUB ASY. (Incls. 1 each of Items 3 & 5)
	0250859-6	2	HUB (Not serviced)
5	0209987-7	2	CUP, bearing, outer
6	4255820-5	2	CONE, bearing, outer
7	1006667-8	2	WASHER, spindle
8	0916896-4	2	NUT
	0925719-7	2	PIN, cotter
9	0250848-9	2	CAP, hub
10	0251693-8	16	BOLT, hub
11	0242534-6	2	RIM & DISK ASY.
12	-----	2	TIRE & TUBE (11.00-16, F-3, 12-ply)(Obtain locally)
13	1006175-2	4	RETAINER
14	0924742-0	2	CAPSCREW
	0919332-7	2	LOCKWASHER, 3/4
	0913160-8	2	NUT, 3/4NC
15	1006173-7	2	SHAFT, king pin
16	1006174-5	4	PLUG, expansion
17	1006716-3	1	KNUCKLE ASY., R.H. (Incls. BUSHINGS)
	-----	1	KNUCKLE ASY. (Order 1006716)
	1004080-6	2	BUSHING
18	1006176-0	2	WASHER, thrust
19	1006177-8	2	WASHER, thrust
20	0914465-0	6	FITTING, lube
21	1013460-9	1	TIE ROD (Refer to TIE ROD ASY. for component parts) (Not illustrated)
22	0251744-9	1	CAPSCREW
	0244237-4	1	WASHER
	0920117-9	1	PIN, cotter
	0918787-3	1	NUT
23	1006178-6	1	HOSE ASY.
24	1006179-4	1	HOSE ASY.
25	1013424-5	1	END ASY., cylinder (Incls. DUST SEAL & NUT)
	0223558-8	1	SEAL, dust
	0925719-7	1	PIN, cotter
	0917362-6	1	NUT
26	1006715-5	1	KNUCKLE ASY., L.H. (Incls. BUSHINGS)
	-----	1	KNUCKLE ASY. (Order 1006715)
	1004080-6	2	BUSHING
27	1006342-8	1	PIN, pivot, front axle
28	1003581-4	2	TAB, locking
29	0923114-3	2	CAPSCREW
	0916966-5	2	LOCKWASHER, 1/2
30	1006343-6	1	PIN, pivot, front axle
31	1006170-3	1	AXLE ASY. (Incls. BUSHINGS)
	0239432-8	2	BUSHING
32	0916896-4	2	NUT (Refer to TIE ROD ASY. for component parts) (Not illustrated)
	0920117-9	2	PIN, cotter
33	0917534-0	2	PIN, dowel
34	0922645-7	1	CAPSCREW
	0920414-0	1	NUT
35	-----	1	CYLINDER, power steering (Refer to POWER STEERING CYLINDER for component parts)

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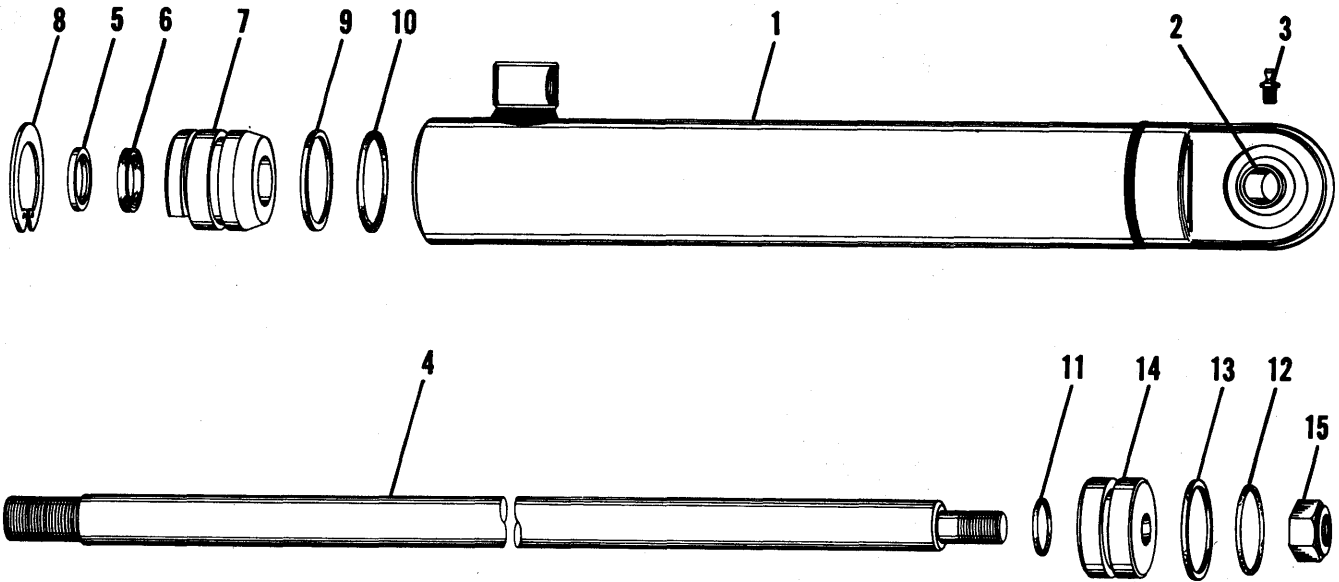
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TIE ROD ASY.



POWER STEERING CYLINDER



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816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

171

TIE ROD ASY.

ITEM	NUMBER	QTY.	DESCRIPTION
—	1013460-9	1	TIE ROD ASY.
1	1007069-6	1	END, tie rod, L.H. thread (Incls. 1 of Item 5)
2	1007071-2	1	LOCKNUT, L.H. thread
3	1007070-4	1	END, tie rod, R.H. thread (Incls. 1 of Item 5)
4	1003604-4	1	LOCKNUT, R.H. thread
5	1003580-6	2	SEAL, tie rod end
6	-----	1	ROD (Not serviced; order ASY.)
7	0916896-4	2	NUT
	0920117-9	1	PIN, cotter

POWER STEERING CYLINDER

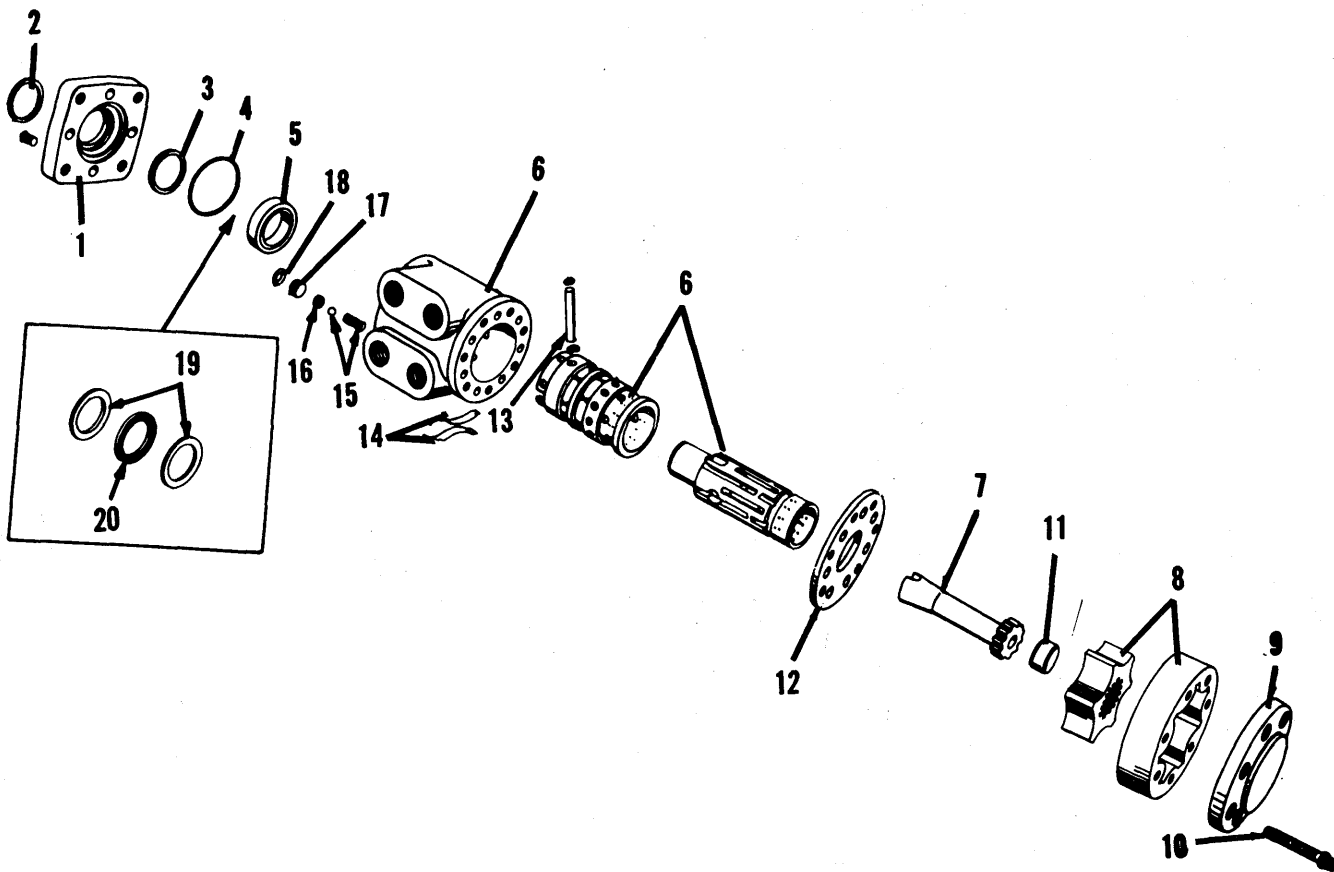
ITEM	NUMBER	QTY.	DESCRIPTION
—	1006575-3	1	CYLINDER ASY., power steering (Incls. Items 1 thru 15)
1	1001068-4	1	TUBE ASY. (Incls. Items 2 & 3)
2	0244019-6	1	BUSHING ASY.
3	0914465-0	1	FITTING, lube
4	1001074-2	1	ROD ASY. (Incls. Item 15)
5	1000398-6	1	WIPE
6	1001076-7	1	T-SEAL
7	1001077-5	1	HEAD
8	0927700-5	1	RING, retaining
9	0926621-4	1	WASHER, backup
10	0923577-1	1	O-RING
11	0923575-5	1	O-RING
12	0923570-6	1	O-RING
13	1000441-4	1	SEAL, piston
14	1001078-3	1	PISTON
15	1000546-0	1	NUT
—	1001089-0	—	REPAIR KIT, major seal, steering
	0923570-6	1	O-RING
	0923575-5	1	O-RING
	0923577-1	1	O-RING
	0926621-4	1	WASHER, backup
	1000398-6	1	WIPE, rod
	1000441-4	1	SEAL, piston
	1001076-7	1	T-SEAL

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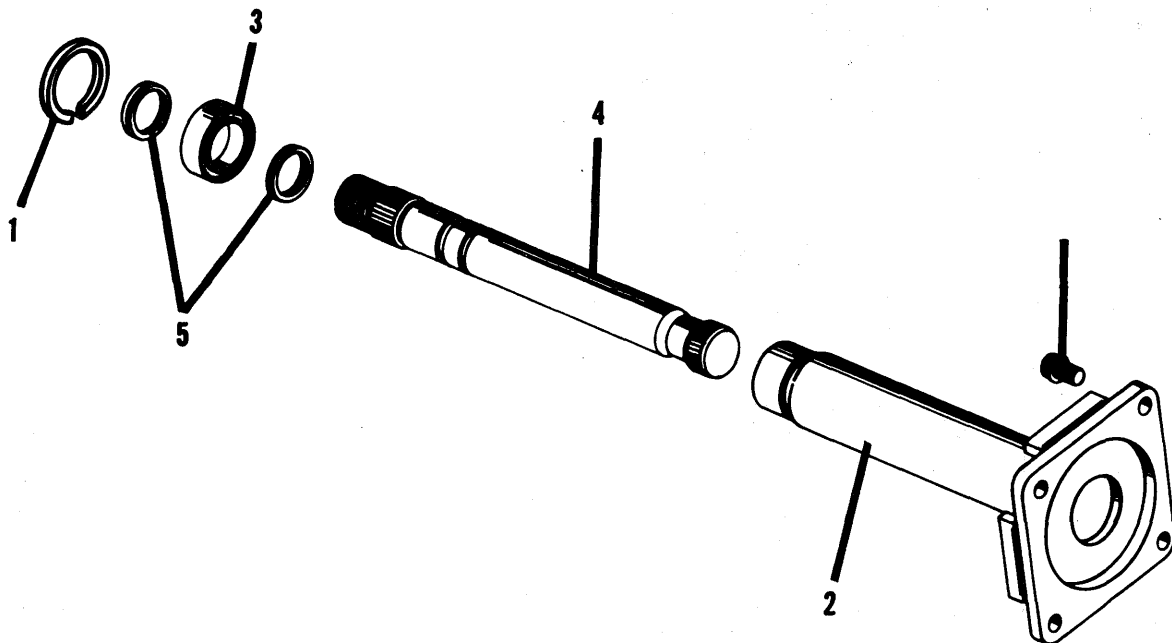
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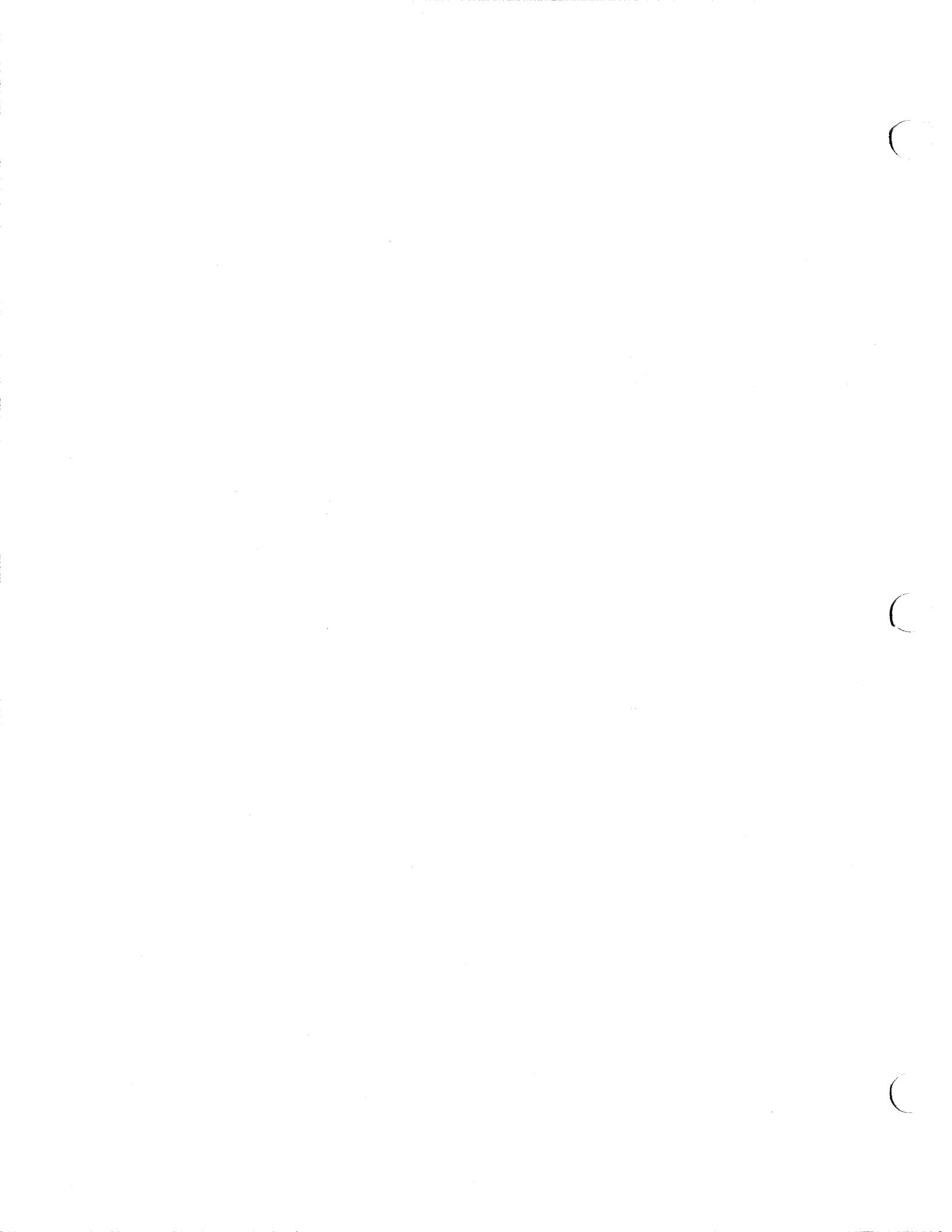
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CONTROL VALVE  
POWER STEERING



CONTROL COLUMN ASY.







816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

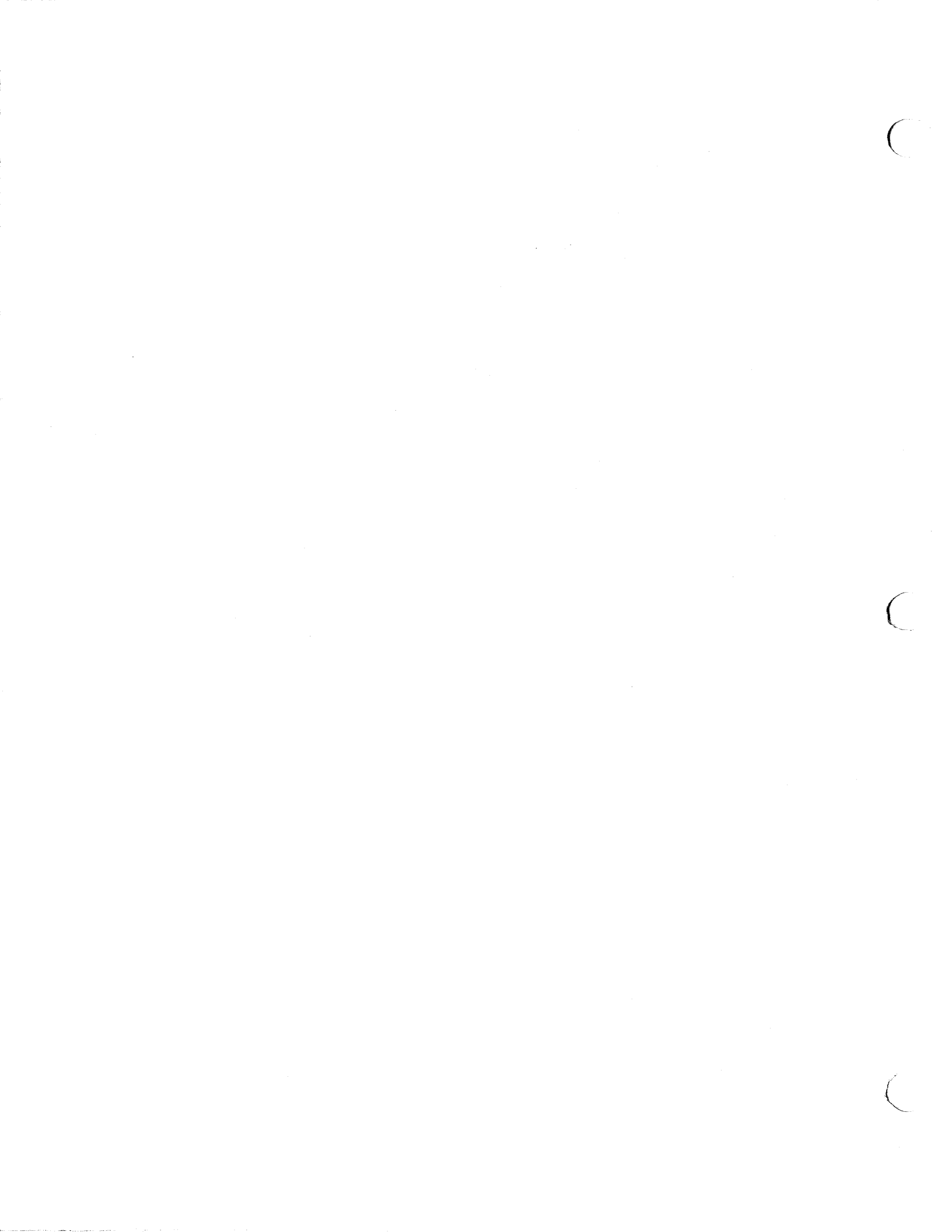
173

CONTROL VALVE  
POWER STEERING

ITEM	NUMBER	QTY.	DESCRIPTION
-	-----	-	CONTROL VALVE & SHAFT ASY., steering
-	0271316-2	1	VALVE ASY., control (Incl. Items 1 thru 20)
1	0239181-1	1	PLATE, mounting
	0923334-7	4	CAPSCREW, 5/16NC x 5/8
2	-----	1	SEAL, oil, mounting plate
3	-----	1	SEAL, quad ring
4	-----	1	SEAL, o-ring
5	0243496-7	1	LOCATOR
6	-----	1	PARTS ASY., control (Incl. SLEEVE, SPOOL & VALVE HSG.)
7	1132770-7	1	DRIVE
8	0239177-9	1	GEROTOR SET
9	0239196-9	1	CAP, end
10	0923337-0	7	CAPSCREW, 1/4NC x 1-3/4
11	0239179-5	1	SPACER
12	0239178-7	1	PLATE
13	0239176-1	1	PIN, centering
14	0239197-7	6	SPRING, centering
15	0239188-6	1	SPRING, compression
	0921874-4	1	BALL, steel, 1/4
16	0239189-4	1	SEAT, check
17	0239195-1	1	PLUG, seal
18	-----	1	SEAL, o-ring
-	0239229-8	-	SEAL KIT (Incls. Items 2, 3, 4 & 18)
19	0243495-9	2	RACE, bearing
20	0627265-2	1	BEARING, needle, thrust

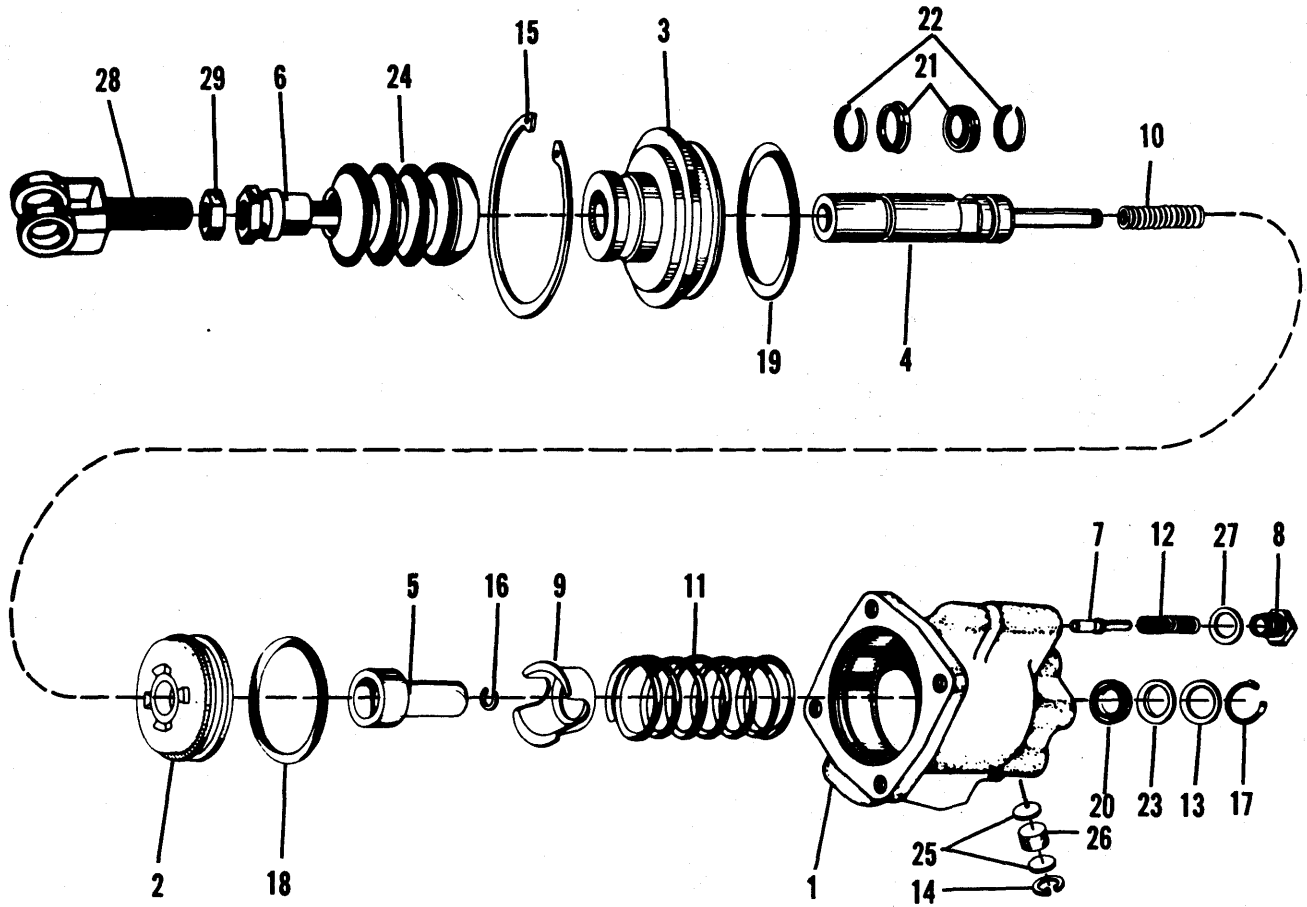
CONTROL COLUMN ASY.

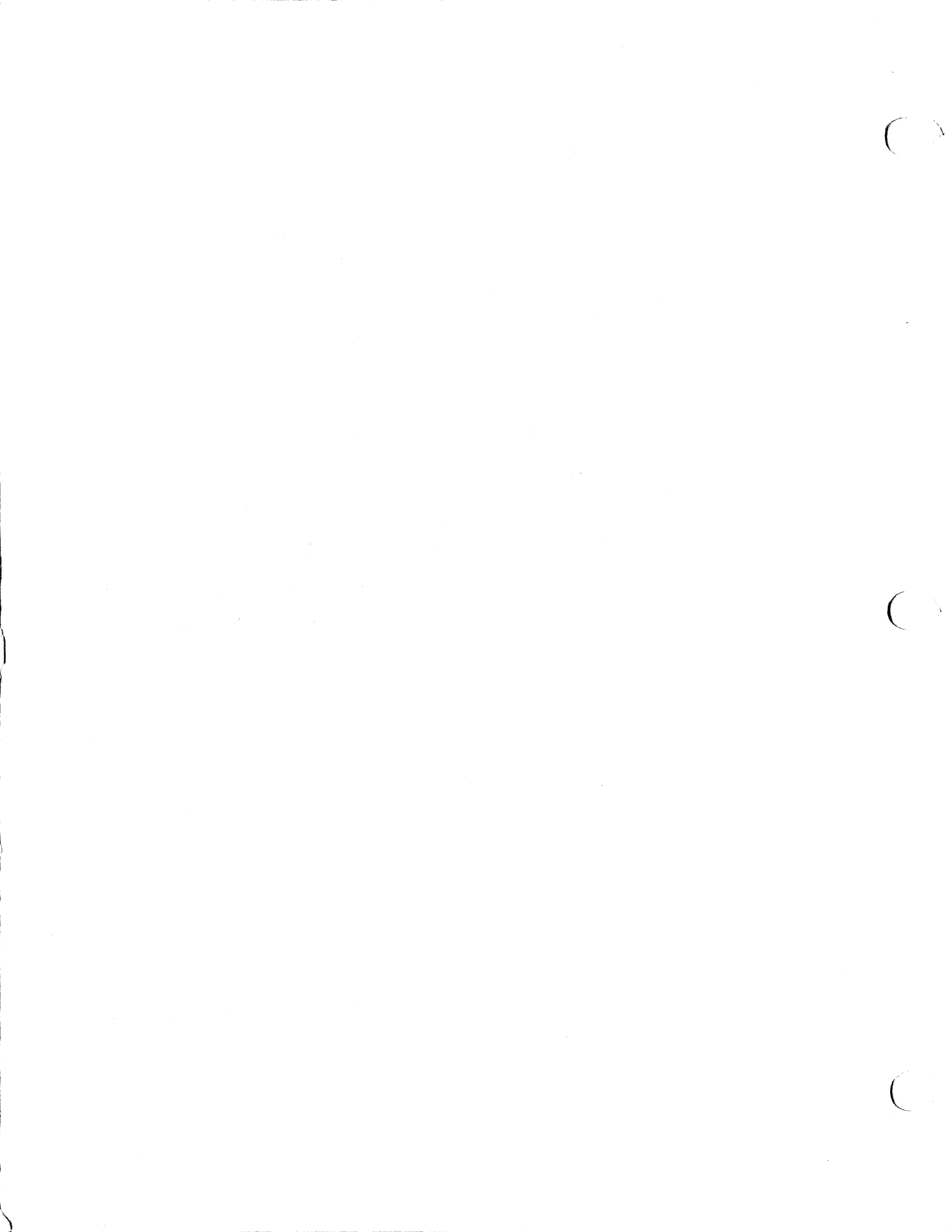
ITEM	NUMBER	QTY.	QTY.	DESCRIPTION
-	1019758-0	0	1	COLUMN ASY. (Incl. 2 of 923335)
-	1006535-7	1	0	COLUMN ASY., control (Incls. Items 1 thru 5) (Use 1019758)
	0923335-4	4	4	SCREW, 12-pt. (2 incl'd. w/Steering Column)
1	4995371-4	1	0	RING, retaining
2	1134827-3	1	0	TUBE & FLANGE ASY.
3	4994913-4	1	0	BEARING ASY.
4	1134829-9	1	0	SHAFT ASY.
5	1134841-4	2	0	RING, snap



816 & 816B TRACTORS  
AXLE, STEERING & WHEELS

CYLINDER  
POWER



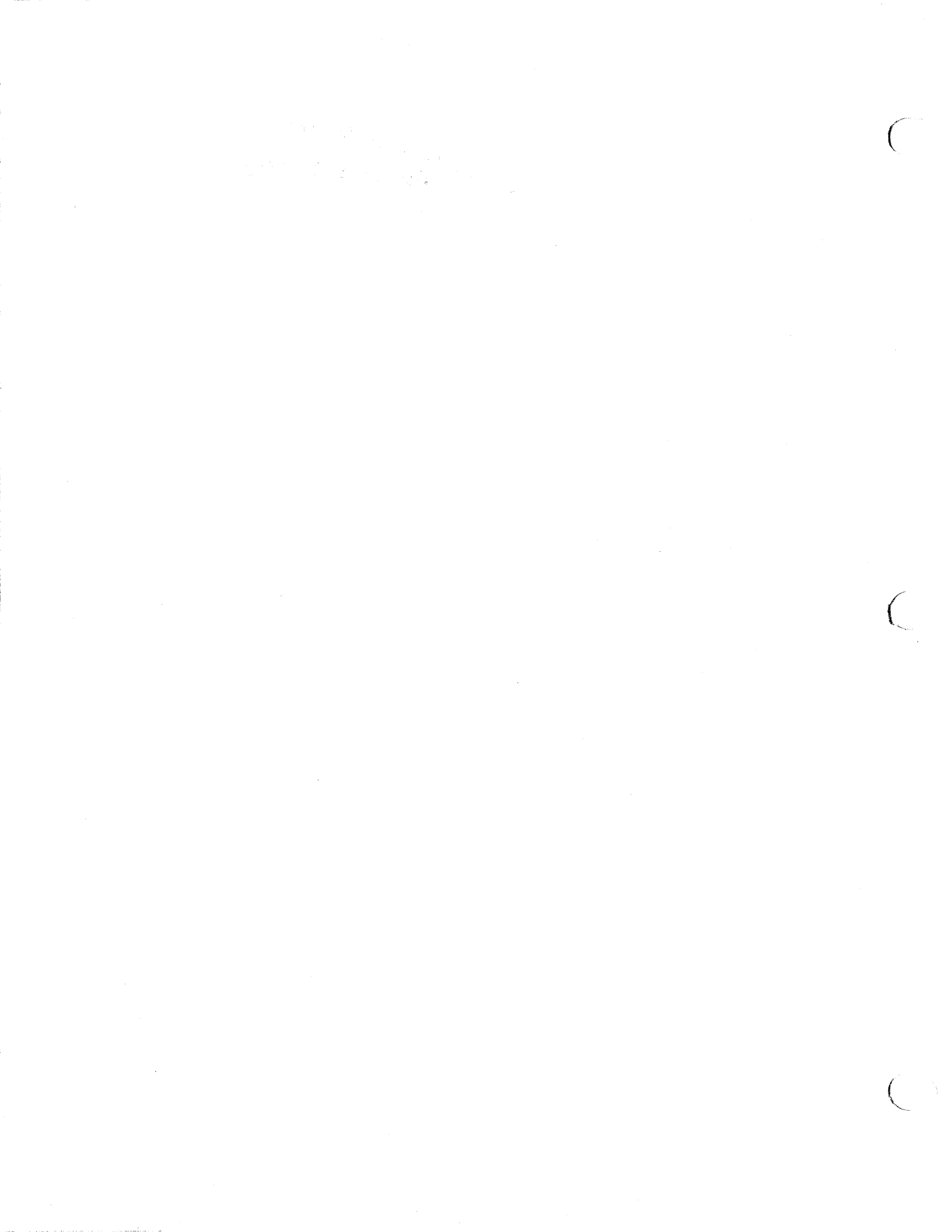


816 & 816B TRACTORS  
 AXLE, STEERING & WHEELS

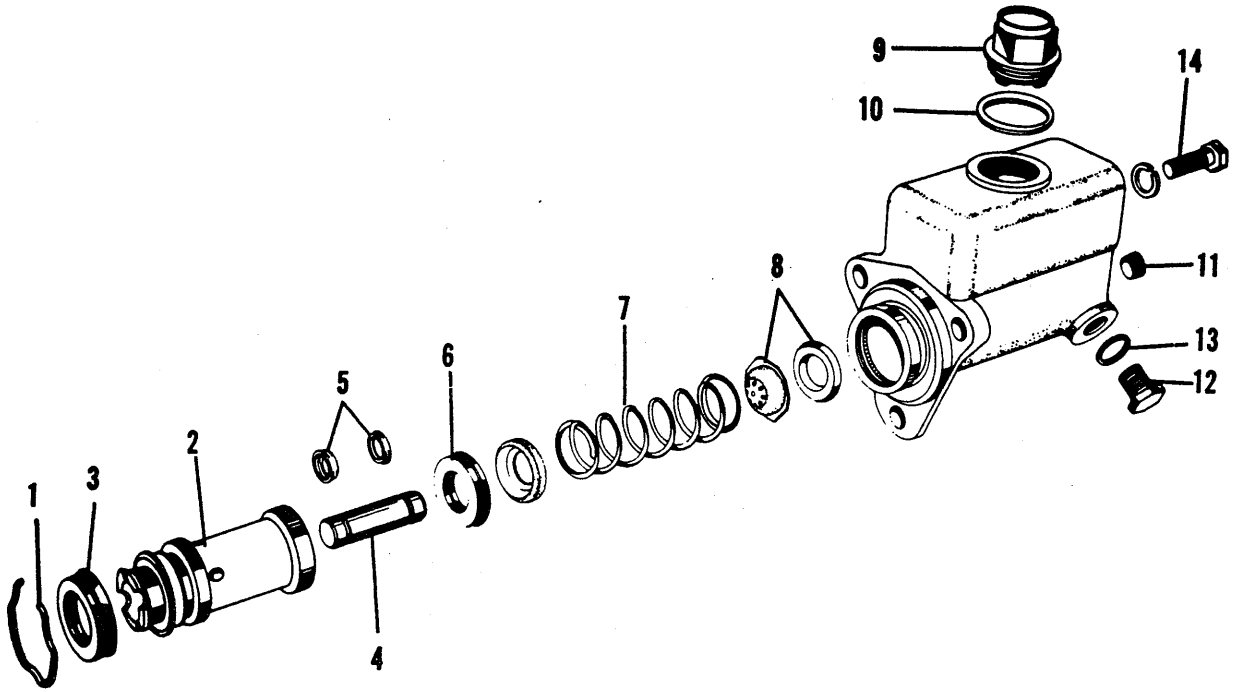
CYLINDER  
 POWER

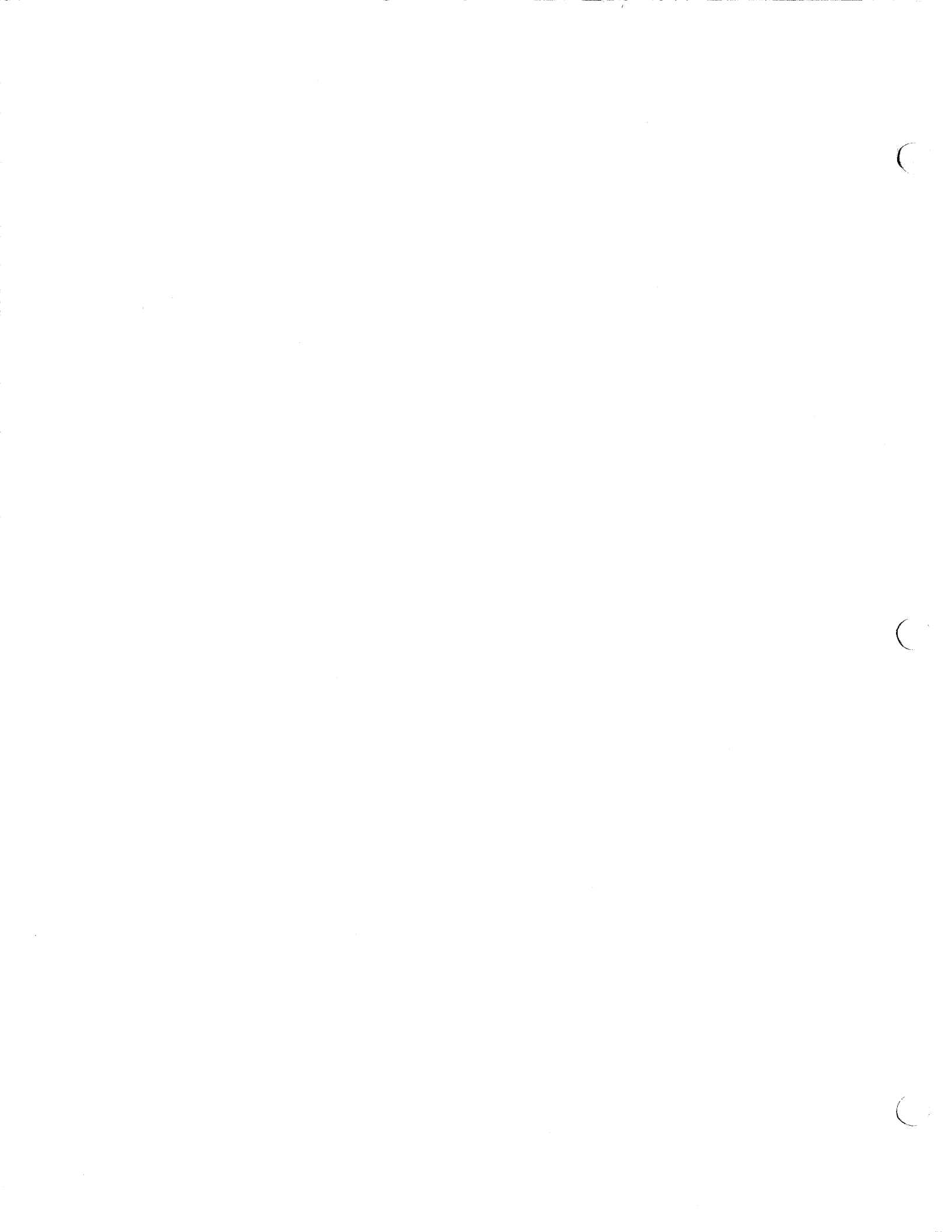
ITEM	NUMBER	QTY.	DESCRIPTION
-	1010228-3	-	MASTER CYLINDER ASY., power
-	1007217-1	1	CYLINDER ASY., power
1	-----	1	CYLINDER
2	0638399-6	1	PISTON
3	0630665-8	1	COVER, end
4	1004945-0	1	PISTON & ROD, valve
5	1004946-8	1	CONNECTOR
6	0630660-9	1	ROD, push
7	0630674-0	1	VALVE
8	-----	1	RETAINER
9	0638402-8	1	RETAINER
10	1004947-6	1	SPRING, inner
11	0638976-1	1	SPRING
12	0630675-7	1	SPRING
13	0630680-7	1	RING, backup
14	0927682-5	1	RING, retaining
15	0630666-6	1	RING, retaining
16	0630682-3	1	RING, retaining
17	0630681-5	1	RING, retaining
18	0638400-2	1	O-RING
19	0630667-4	1	O-RING
20	0630678-1	1	PACKING, vee, block
21	0630664-1	2	PACKING, vee, block
22	0630663-3	2	WASHER, backup
23	0630679-9	1	WASHER, backup
24	0630661-7	1	BOOT
25	1004949-2	2	STRAINER
26	1004950-0	1	HAIR, filter
27	0630676-5	1	GASKET
28	1004941-9	1	YOKE
29	0919262-6	1	NUT, jam, 1/2NF
-	0643022-7	-	REPAIR KIT, power cylinder
	0630661-7	1	BOOT
	0630663-3	2	WASHER, backup
	0630664-1	2	PACKING, vee, block
	0630667-4	1	O-RING
	0630676-5	1	GASKET
	0630678-1	1	PACKING, vee, block
	0630679-9	1	WASHER, backup
	0630680-7	1	RING, backup
	0630681-5	1	RING, retaining
	0630682-3	1	RING, retaining
	0638400-2	1	O-RING
	0927682-5	1	RING, retaining
	1004950-0	1	HAIR, filter

*me + power cyl  
 power cyl only*



CYLINDER  
MASTER







816 & 816B TRACTORS  
 AXLE, STEERING & WHEELS

CYLINDER  
 MASTER

ITEM	NUMBER	QTY.	DESCRIPTION
-	1010228-3	-	MASTER CYLINDER ASY., power
-	1010229-1	1	CYLINDER ASY., master
1	0638405-1	1	PLATE, piston stop
2	0638407-7	1	PISTON ASY. (Incl. CUP)
3	3014312-7	1	CUP, secondary
4	1010231-7	1	PISTON ASY., inner (Incls. PACKING) (Use REPAIR KIT 1010230)
5	0638440-8	2	PACKING, vee, block
6	0638411-9	1	CUP, primary
7	3013940-6	1	SPRING
8	0076489-4	1	VALVE, check & seat
9	1010233-3	1	CAP, filler
10	3006899-3	1	GASKET, filler cap
11	0910231-0	1	PLUG
12	0067508-2	1	PLUG
13	-----	1	GASKET (Not serviced)
14	0920415-7	3	BOLT
	0916965-7	3	LOCKWASHER, 3/8
-	1010230-9	-	REPAIR KIT, master cylinder
	0076486-0	1	GASKET, filter cap
	0076489-4	1	VALVE, check & seat
	1010231-7	1	PISTON ASY., inner (Use 1010230)
	0638411-9	1	CUP, primary

*MC + Power cyl*  
*1023958*

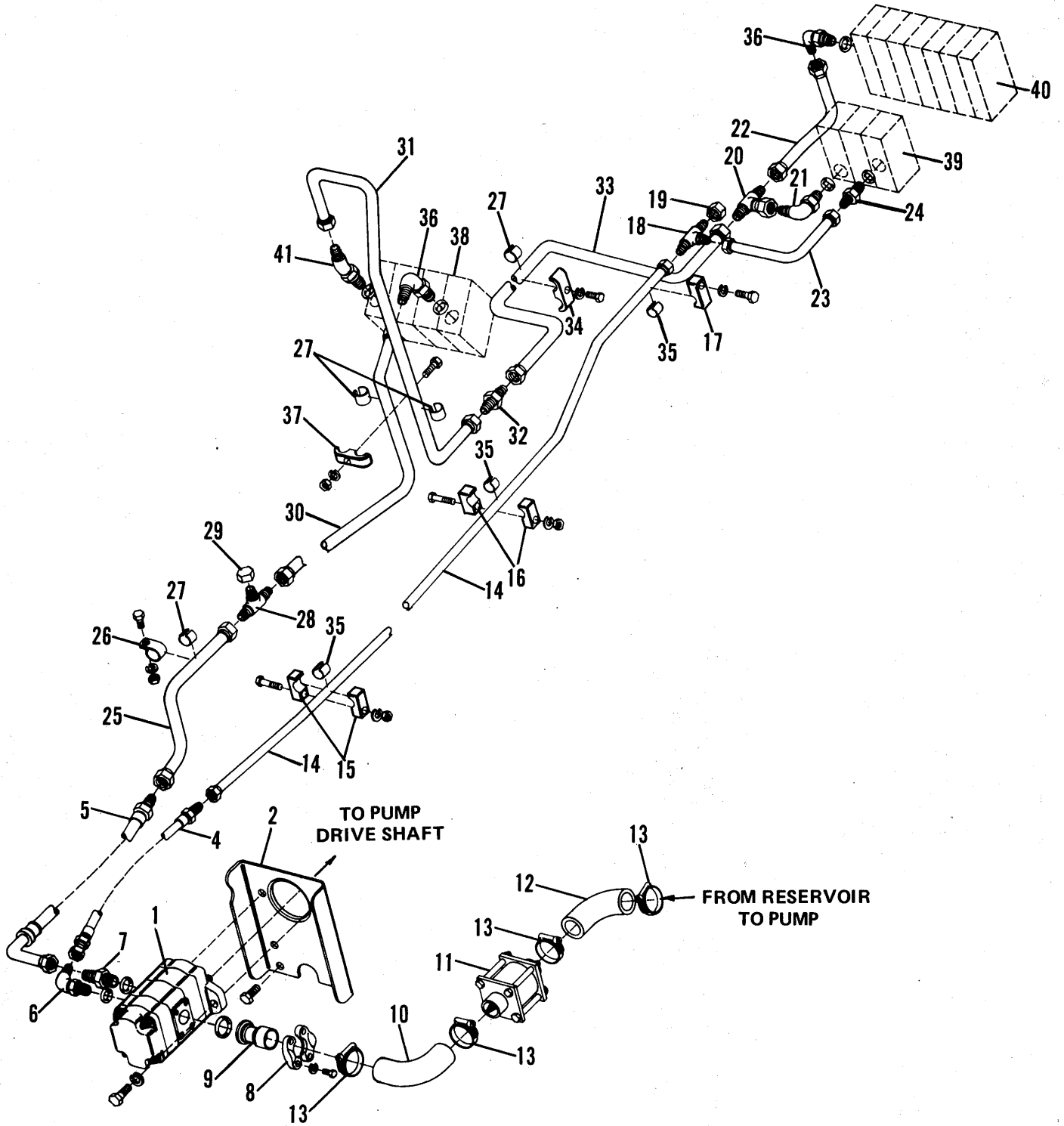
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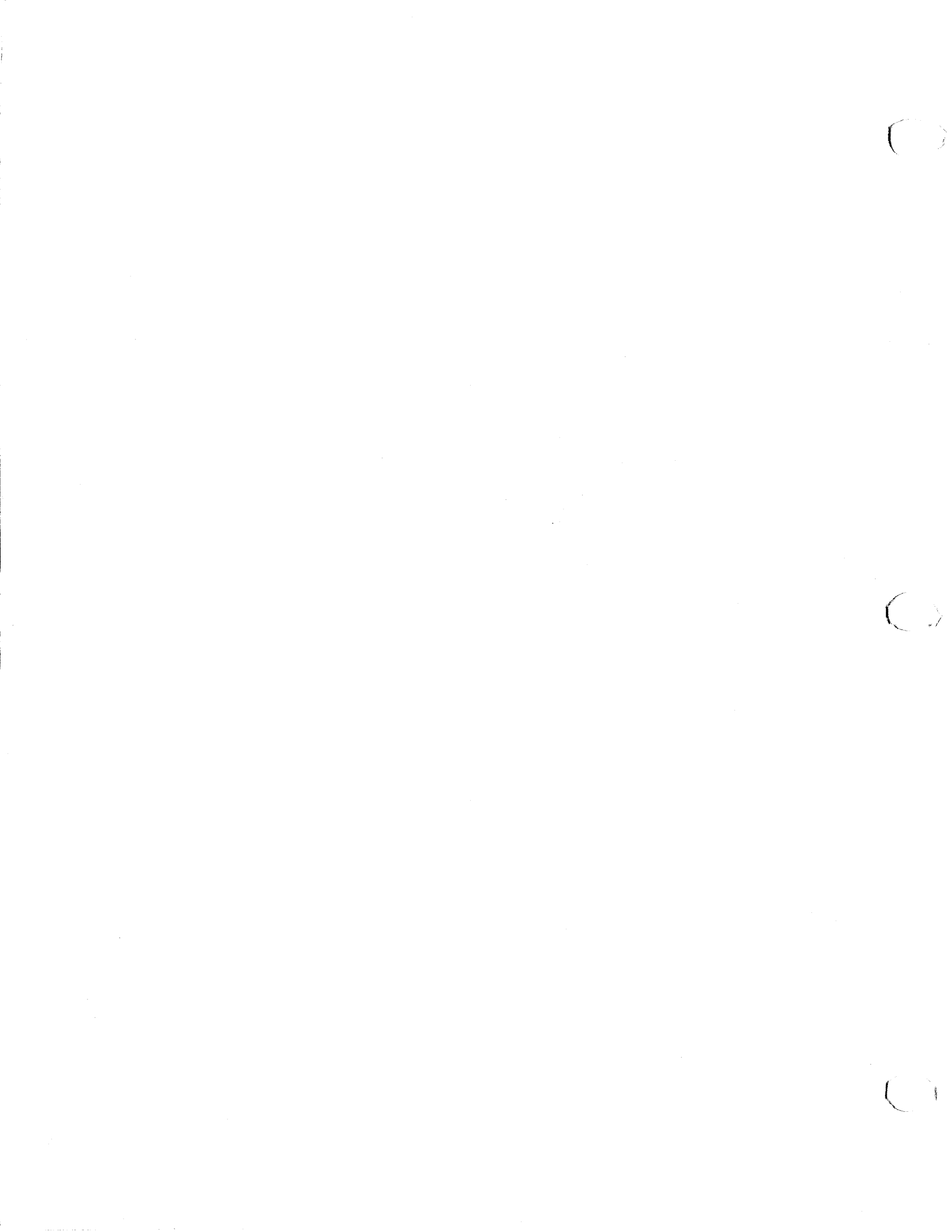
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PRESSURE LINES





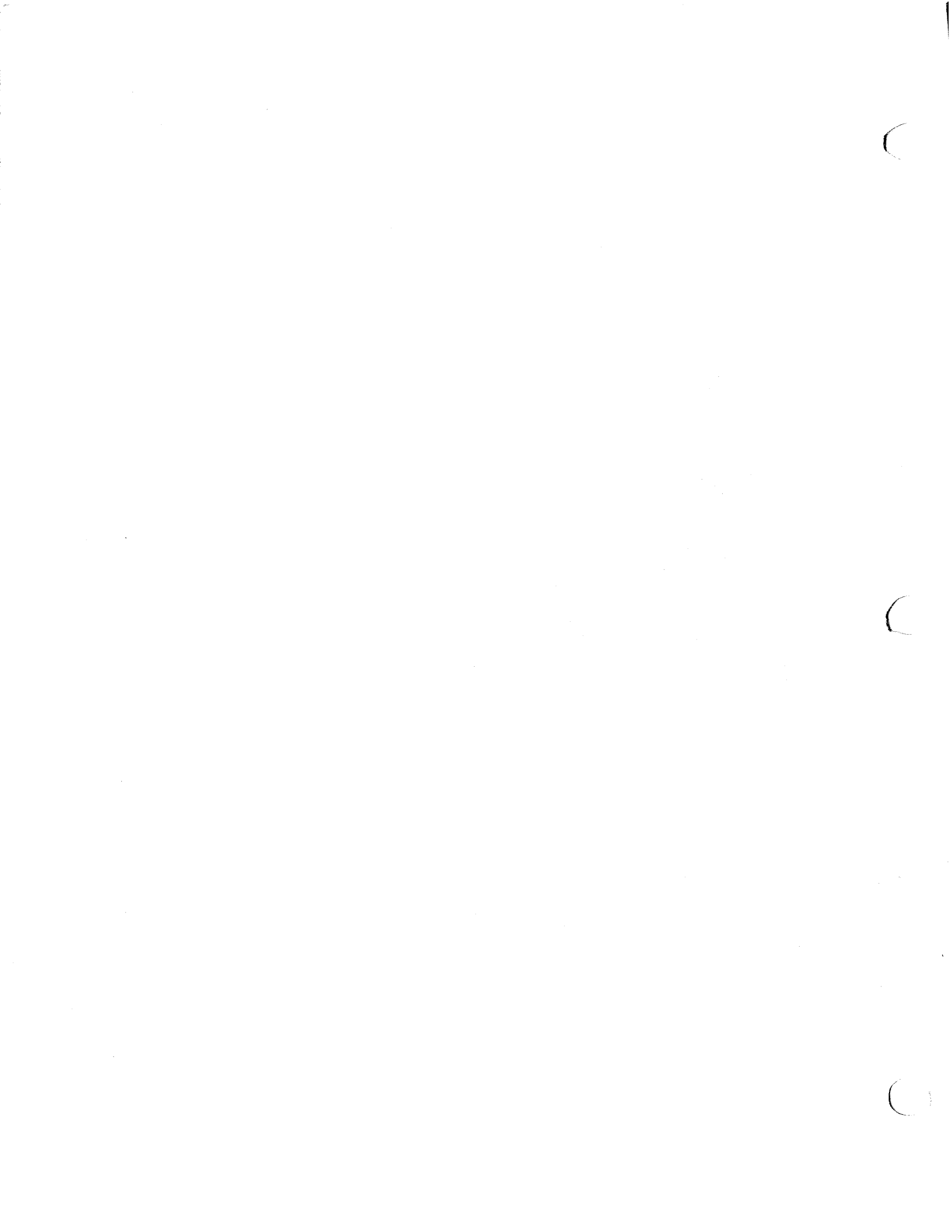
816 & 816B TRACTORS  
HYDRAULIC SYSTEM

179

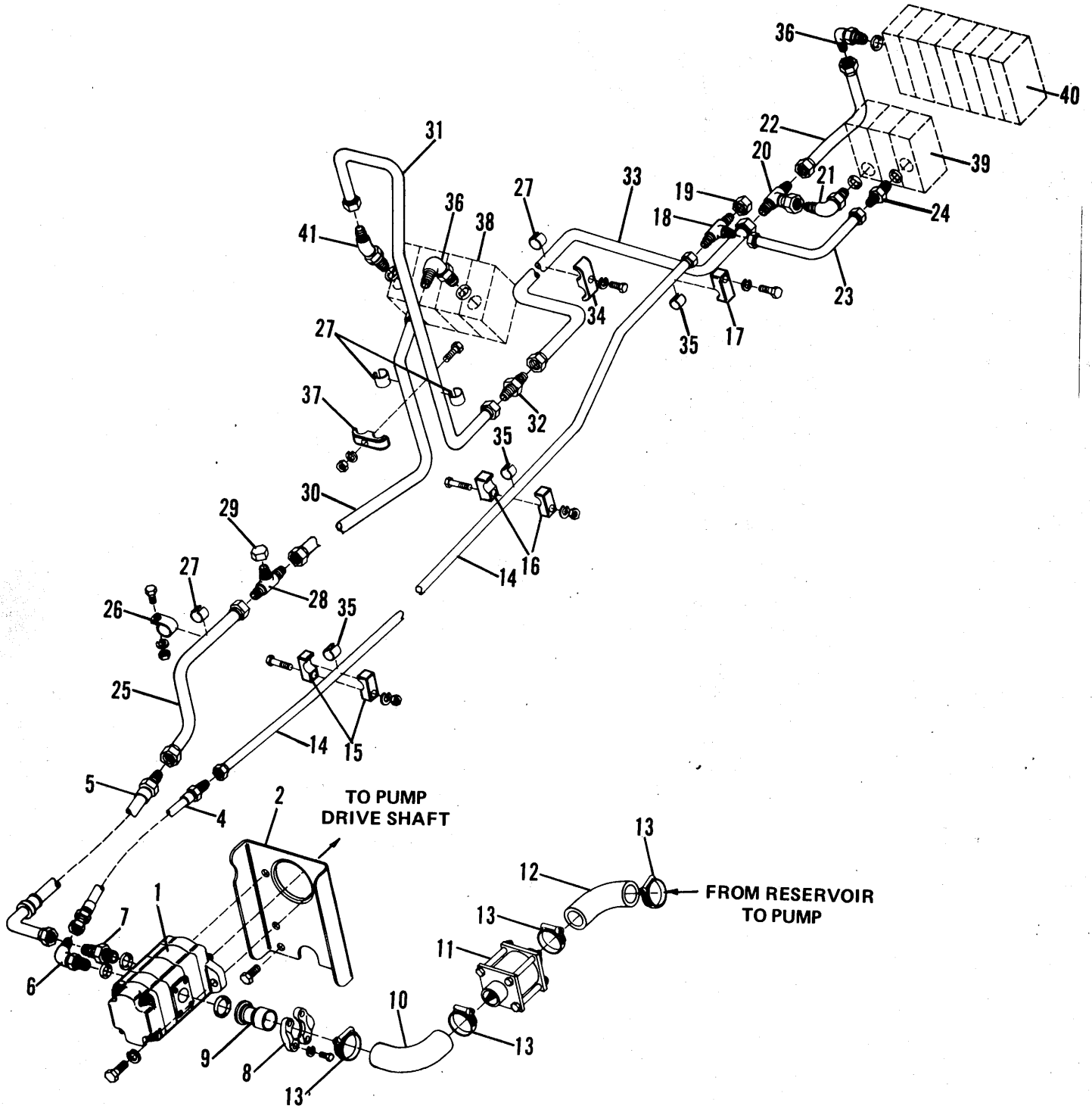
PRESSURE LINES

ITEM	NUMBER	QTY.	DESCRIPTION
1	-----	1	PUMP (Refer to FRONT MTD. DUAL PUMP for components)
	0920328-2	2	CAPSCREW
	0916966-5	2	LOCKWASHER, 1/2
2	1006448-3	1	SUPPORT, pump, front mtd.
	0923154-9	4	CAPSCREW
3	-----	1	DRIVE SHAFT, pump (Refer to PUMP DRIVE SHAFT for components) (Not shown)
	0926923-4	4	CAPSCREW (Not shown)
4	1006435-0	1	HOSE ASY., pump to swing valve
5	1006436-8	1	HOSE ASY., pump to loader valve
6	0921728-2	1	ELBOW, 45° (Incl. O-RING & NUT)
	0921206-9	1	O-RING
	0922186-2	1	NUT
7	0924167-0	1	CONNECTOR (Incl. O-RING)
	0921886-8	1	O-RING
8	0921118-6	2	FLANGE, split
	0920328-2	4	CAPSCREW
	0916966-5	4	LOCKWASHER, 1/2
9	1006333-7	1	TUBE ASY., pump intake
	0923578-9	1	O-RING
10	1006334-5	1	HOSE, pump intake, front
11	-----	1	STRAINER ASY., front (Refer to FRONT STRAINER ASY. for components)
12	1006335-2	1	HOSE, pump intake, rear
13	0921914-8	4	CLAMP, worm drive
14	1006434-3	1	TUBE ASY., pump to swing valve, front
15	1006269-3	2	CLAMP
	0921973-4	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
16	1006269-3	2	CLAMP
	0921973-4	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
17	1006269-3	1	CLAMP
	0921971-8	1	CAPSCREW
	0916965-7	1	LOCKWASHER, 3/8
18	0919520-7	1	TEE
19	0921244-0	1	CAP
20	0925835-1	1	TEE

Continued



PRESSURE LINES







816 & 816B TRACTORS  
HYDRAULIC SYSTEM

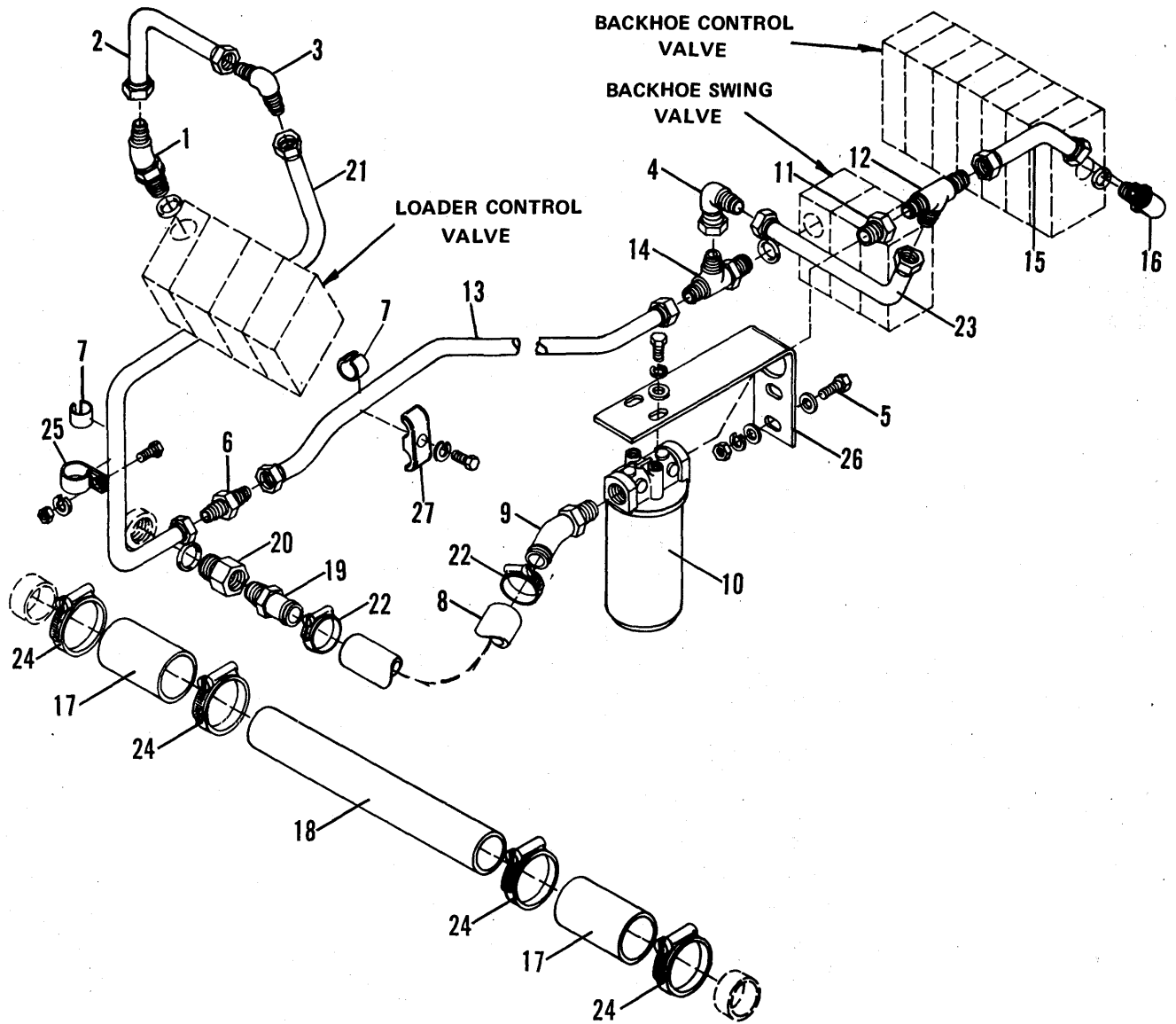
181

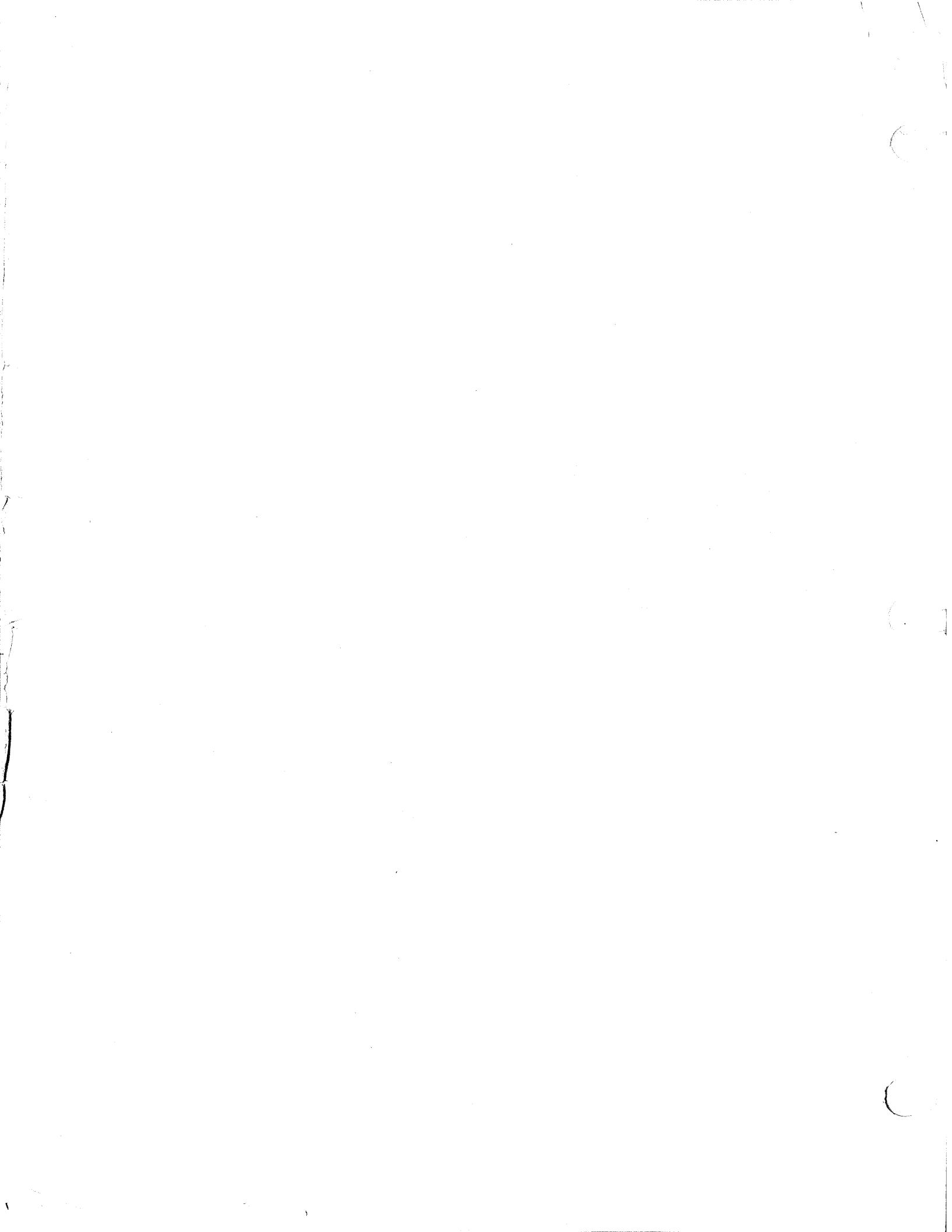
PRESSURE LINES

ITEM	NUMBER	QTY.	DESCRIPTION
21	0921227-5	1	ELBOW, 90° (Incls. LOCKNUT & O-RING)
22	1006265-1	1	TUBE ASY., swing valve to backhoe valve
23	1006628-0	1	TUBE ASY., pump to swing valve, rear
24	0922997-2	1	CONNECTOR (Incls. O-RING)
25	1006437-6	1	TUBE ASY., pump to loader valve, front
26	0926867-3	1	CLAMP
	0921210-1	1	CAPSCREW
	0916965-7	1	LOCKWASHER, 3/8
27	0234976-9	4	CUSHION
28	0920490-0	1	TEE
29	0922195-3	1	CAP
30	1006242-0	1	TUBE ASY., pump to loader valve, rear
31	1006243-8	1	TUBE ASY., loader valve to backhoe valve, front
32	0919268-3	1	UNION
33	1006374-1	1	TUBE ASY., loader valve to backhoe valve, rear
34	1006728-8	1	CLAMP
	0921969-2	1	CAPSCREW
	0916965-7	1	LOCKWASHER, 3/8
35	0243532-9	3	CUSHION, tube
36	0921227-5	2	ELBOW, 90° (Incls. LOCKNUT & O-RING)
37	1006728-8	1	CLAMP
	0922130-0	1	CAPSCREW
	0916965-7	1	LOCKWASHER, 3/8
	0916950-9	1	NUT, 3/8NC
38	-----	1	VALVE ASY., loader (Refer to LOADER VALVE ASY. for components)
	0923114-3	3	CAPSCREW (Not shown)
	0916966-5	3	LOCKWASHER, 1/2 (Not shown)
39	-----	1	VALVE ASY., swing (Refer to SWING VALVE ASY. for components)
	0923114-3	3	CAPSCREW (Not shown)
	0916966-5	3	LOCKWASHER, 1/2 (Not shown)
40	-----	1	VALVE ASY., backhoe (Refer to BACKHOE VALVE ASY. for components)
	0923114-3	3	CAPSCREW (Not shown)
	0916966-5	3	LOCKWASHER, 1/2 (Not shown)
41	0921215-0	1	ELBOW, 45° (Incls. LOCKNUT & O-RING)
	0919621-3	1	LOCKNUT (Add to Items 21 & 36)
	0921214-3	1	O-RING (Add to Items 21 & 36)



SUMP LINES





816 & 816B TRACTORS  
HYDRAULIC SYSTEM

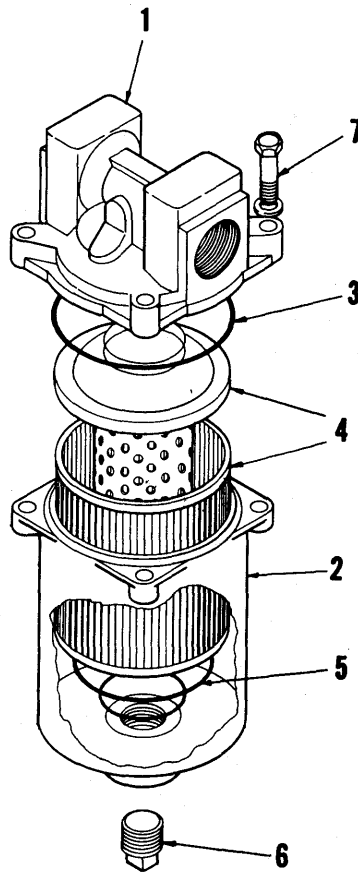
183

SUPLINES

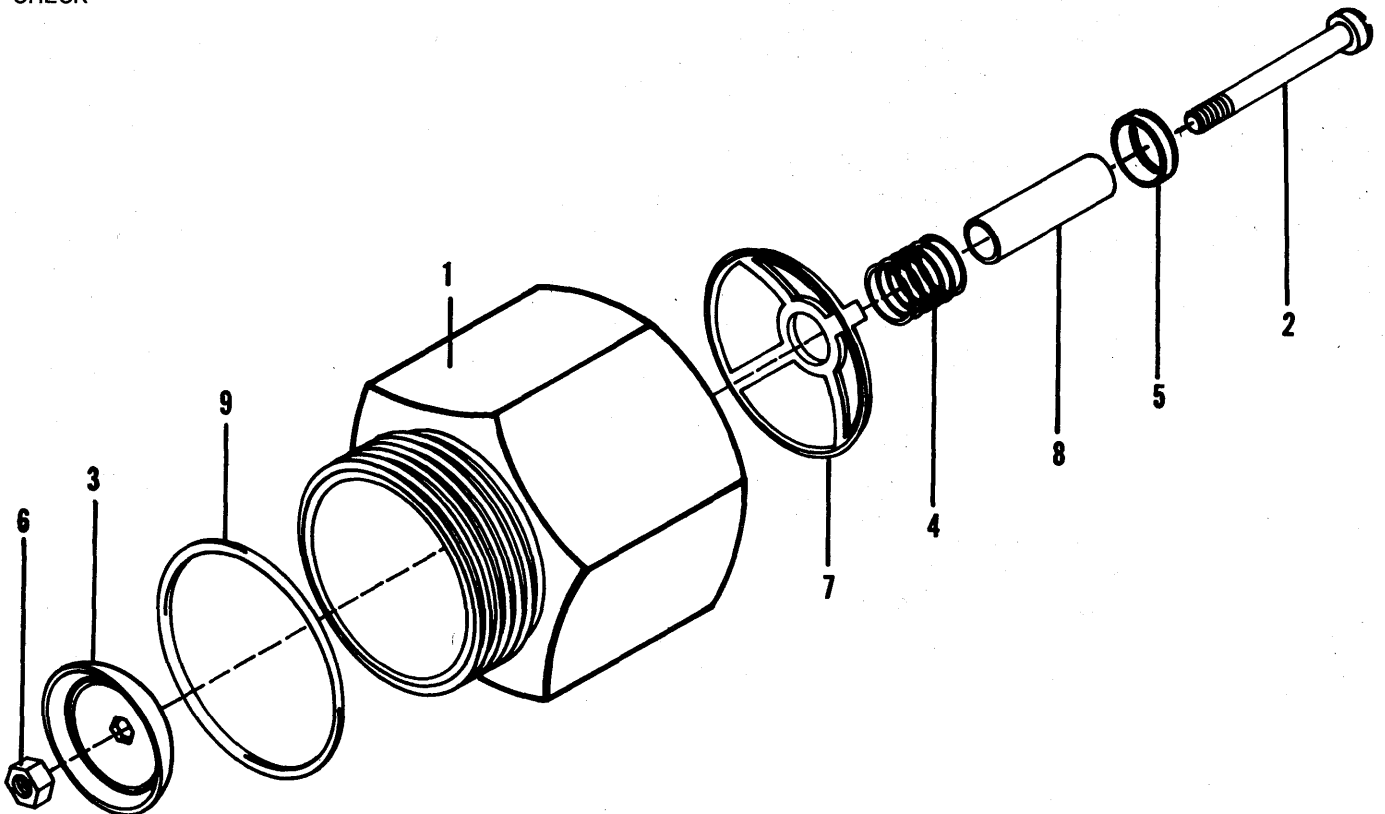
ITEM	NUMBER	QTY.	DESCRIPTION
1	0921215-0	1	ELBOW, 45° (Incl. LOCKNUT & O-RING)
	0919621-3	1	LOCKNUT
	0921214-3	1	O-RING
2	1006230-5	1	TUBE ASY., loader valve to tee
3	0920490-0	1	TEE
	0921991-6	1	ELBOW
4	0919625-4	1	ELBOW, swivel nut
5	0920415-7	2	CAPSCREW
	0911115-4	4	WASHER
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
6	0919268-3	1	UNION
7	0234976-9	2	TUBE, cushion
8	1006433-5	1	HOSE, filter to sump
9	0927213-9	1	NIPPLE, 45°
10	-----	1	FILTER ASY., hydraulic (Refer to FILTER ASY. for components)
	0921332-3	2	CAPSCREW
	0917356-8	2	LOCKWASHER, 5/16
	0918265-0	2	WASHER
11	0901830-0	1	BUSHING, pipe
12	0921682-1	1	TEE
13	1006438-4	1	TUBE ASY., sump, rear
14	0922739-8	1	TEE (Incl. LOCKNUT & O-RING)
	0919621-3	1	LOCKNUT
	0921214-3	1	O-RING
15	1007157-9	1	TUBE ASY., backhoe valve to tee
16	0921227-5	1	ELBOW, 90° (Incl. LOCKNUT & O-RING)
	0919621-3	1	LOCKNUT
	0921214-3	1	O-RING
17	1006350-1	2	HOSE, sump transfer
18	1006410-3	1	TUBE, sump transfer
19	0925057-2	1	NIPPLE, pipe
20	-----	1	VALVE ASY., check (Refer to CHECK VALVE ASY. for components)
21	1006244-6	1	TUBE ASY., elbow to swing valve, front
22	0921913-0	2	CLAMP, worm drive
23	1007158-7	1	TUBE ASY., swing valve to tee
24	0921915-5	4	CLAMP, worm drive
25	0926867-3	1	CLAMP
	0921210-1	1	CAPSCREW
	0916965-7	1	LOCKWASHER, 3/8
	0916950-9	1	NUT, 3/8NC
26	1007186-8	1	BRACKET, filter support
27	1006728-8	1	CLAMP
	0921969-2	1	CAPSCREW
	0916965-7	1	LOCKWASHER, 3/8
-	0922195-3	1	CAP (Used with TEE 920490) (Not shown)

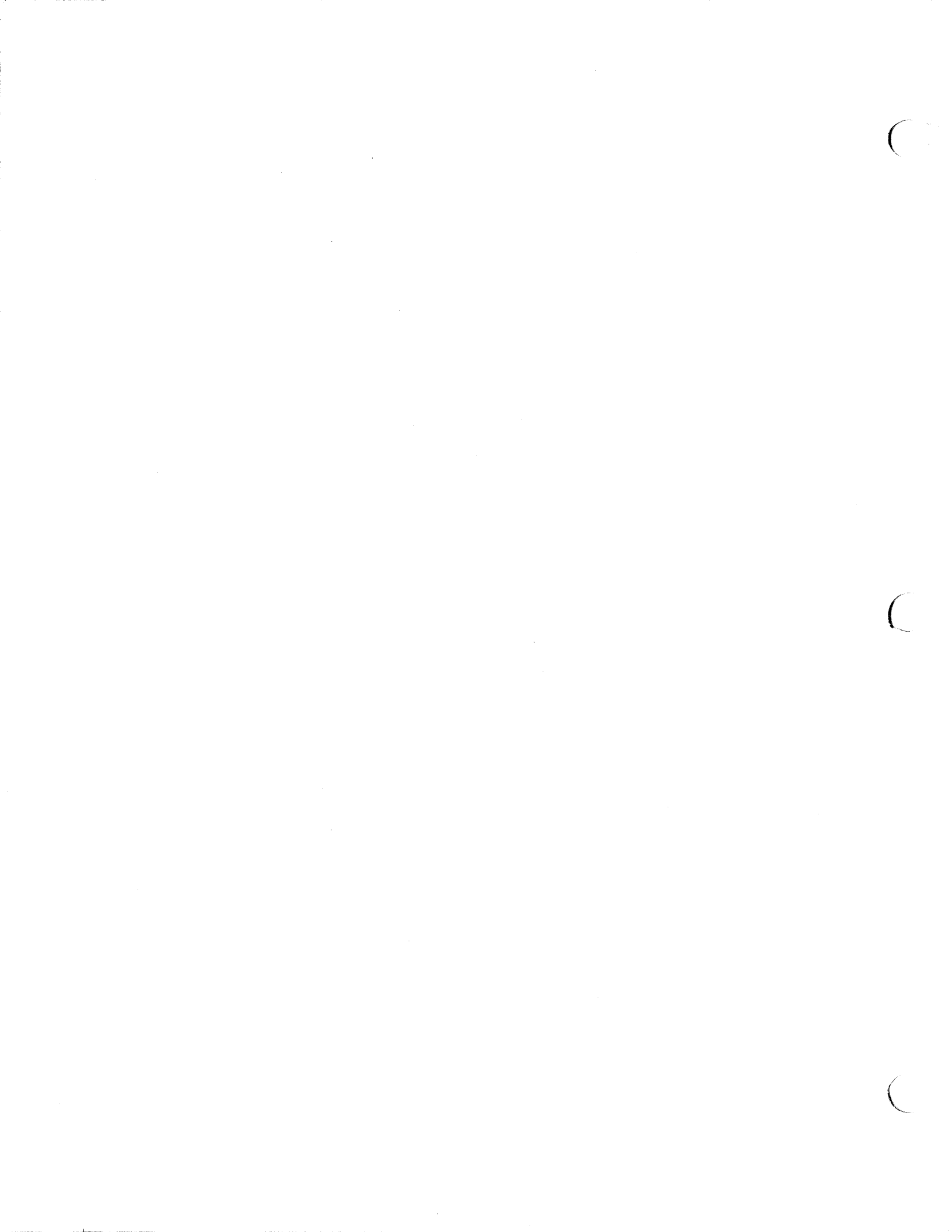


FILTER ASY.  
POWER STEERING



VALVE ASY.  
CHECK







816 & 816B TRACTORS  
HYDRAULIC SYSTEM

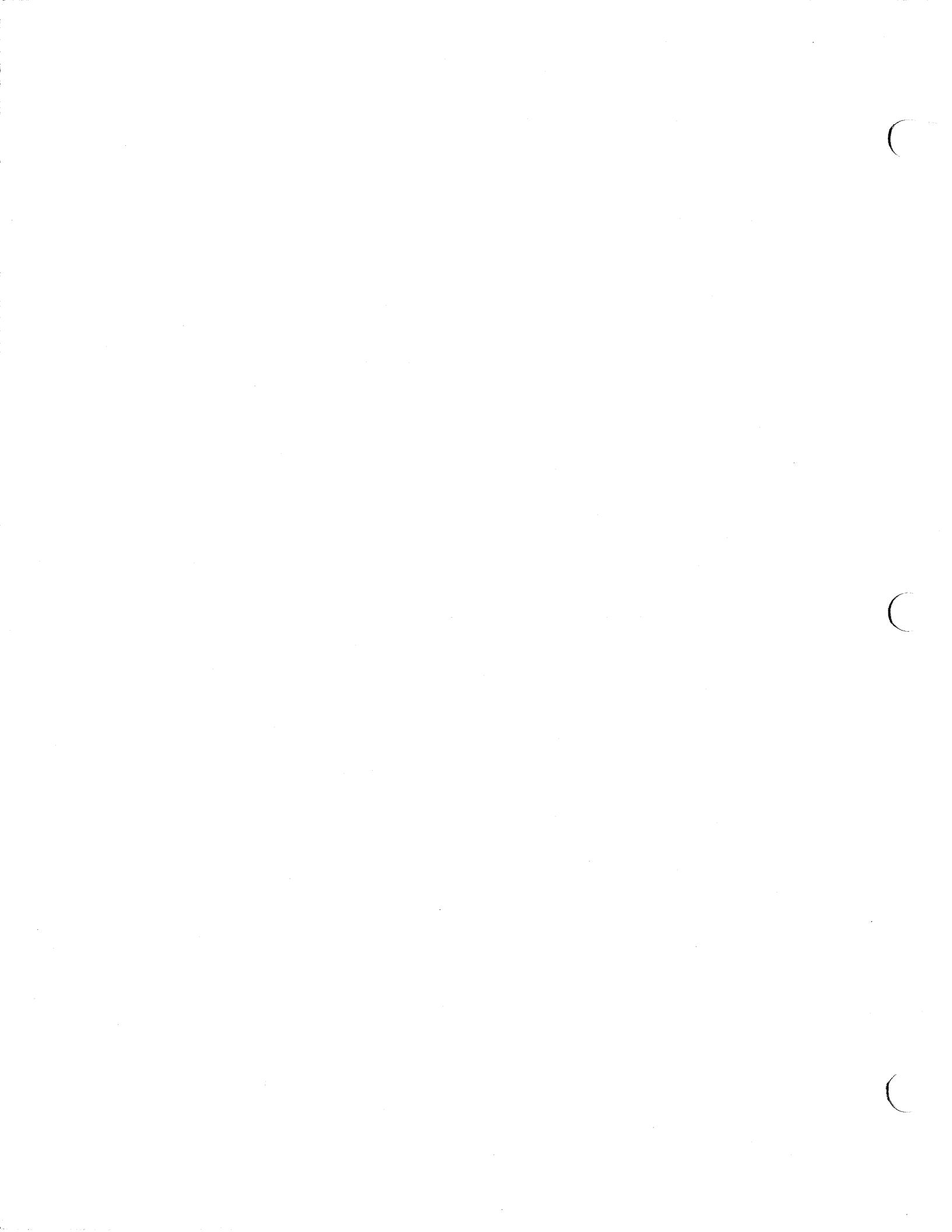
185

FILTER ASY.  
POWER STEERING

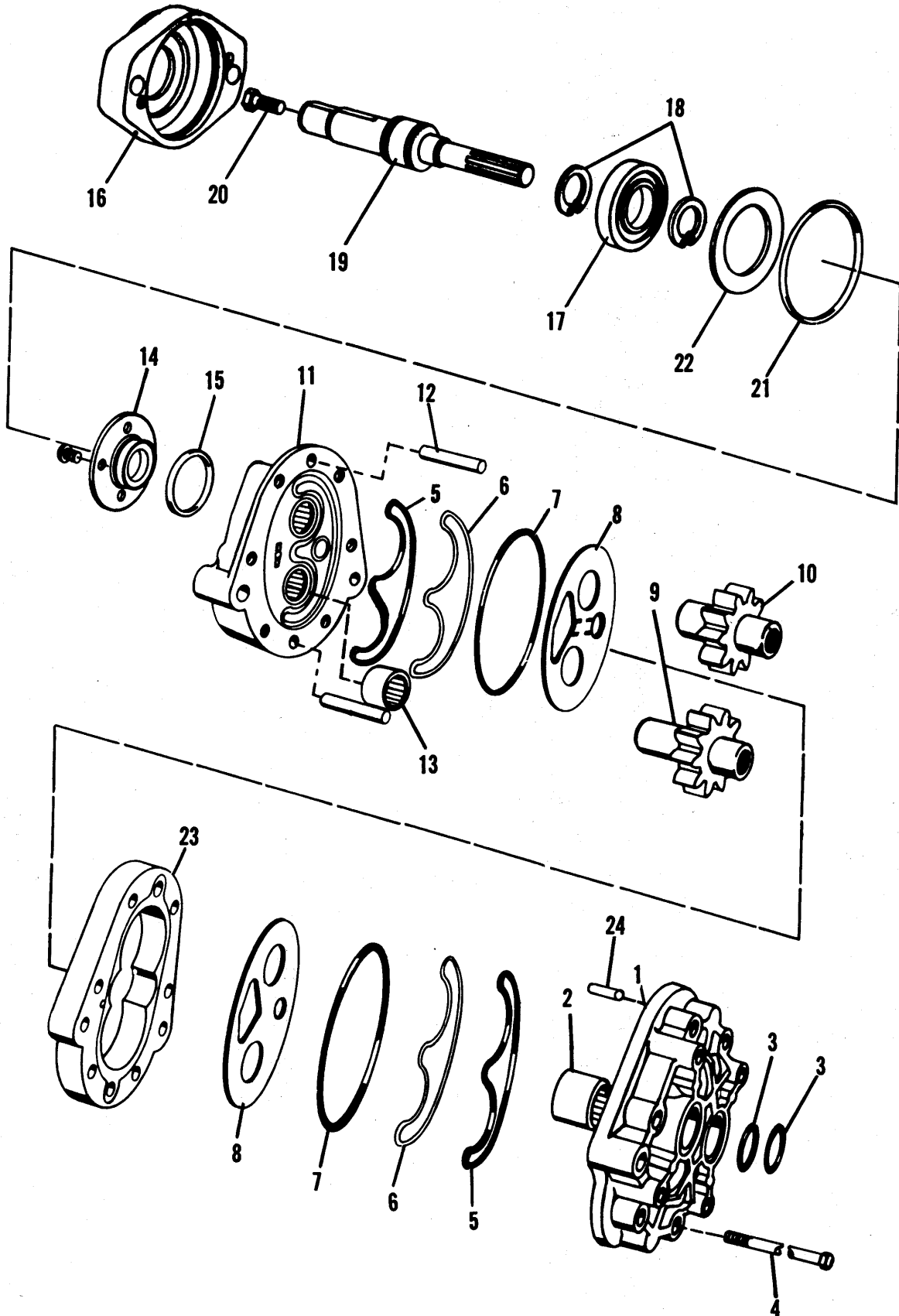
ITEM	NUMBER	QTY.	DESCRIPTION
-	1007110-8	1	FILTER ASY.
1	1007104-1	1	HEAD ASY.
2	1007105-8	1	BOWL
3	1007106-6	1	SEAL, bowl
4	1007107-4	1	ELEMENT, filter
5	1007108-2	1	SPRING
6	1007109-0	1	MAGNET
7	0921977-5	4	CAPSCREW
	0917356-8	4	LOCKWASHER, 5/16

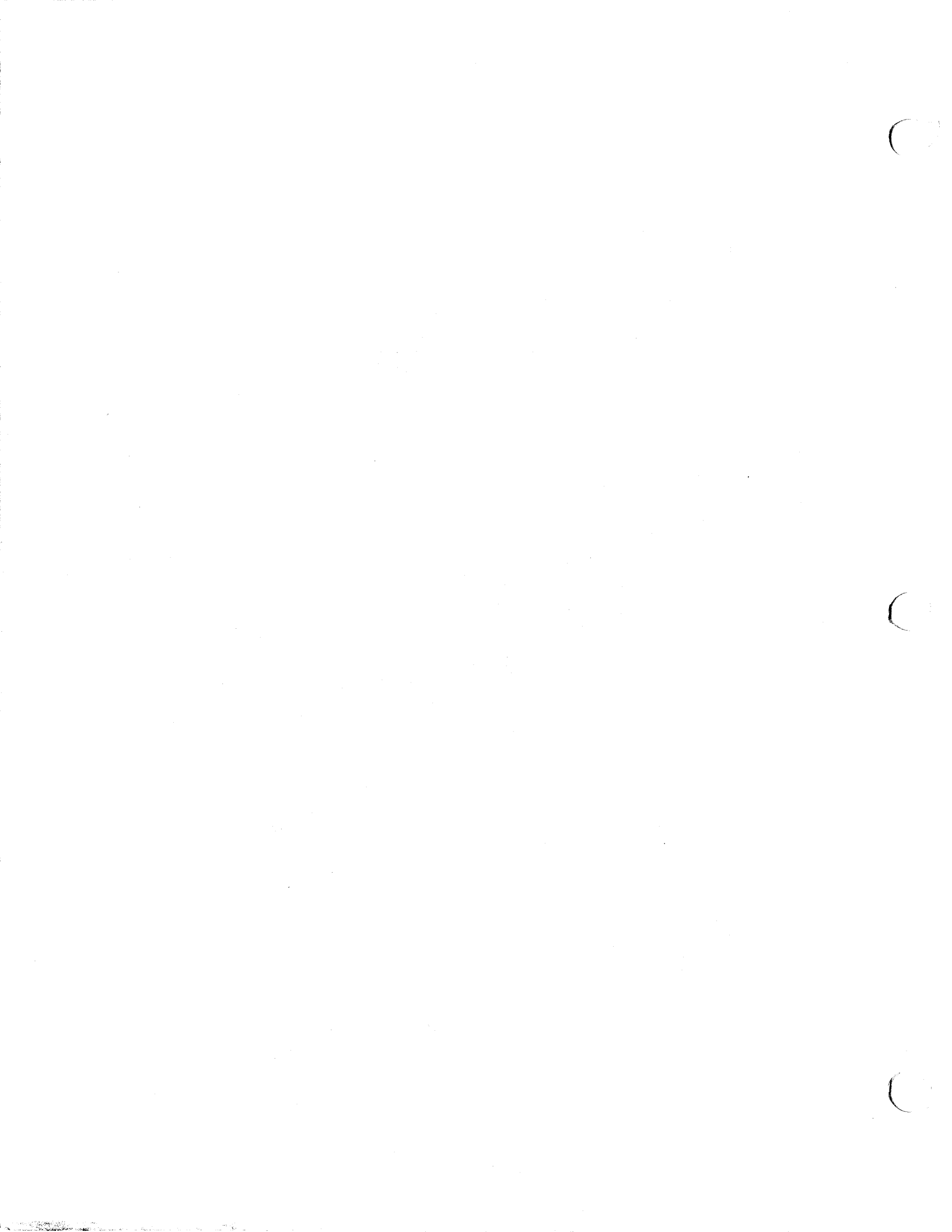
VALVE ASY.  
CHECK

ITEM	NUMBER	QTY.	DESCRIPTION
-	1006371-7	1	VALVE ASY., check (Use component parts)
1	1006498-8	1	BODY, valve (Not serviced)
2	2016779-7	1	SCREW
3	2016774-8	1	VALVE
4	2016776-3	1	SLEEVE
5	2016778-9	1	STOP, spring
6	2016780-5	1	LOCKNUT
7	2016775-5	1	GUIDE, valve
8	1006933-4	1	SPRING
9	0921887-6	1	O-RING



PUMP ASY., GEAR  
POWER STEERING



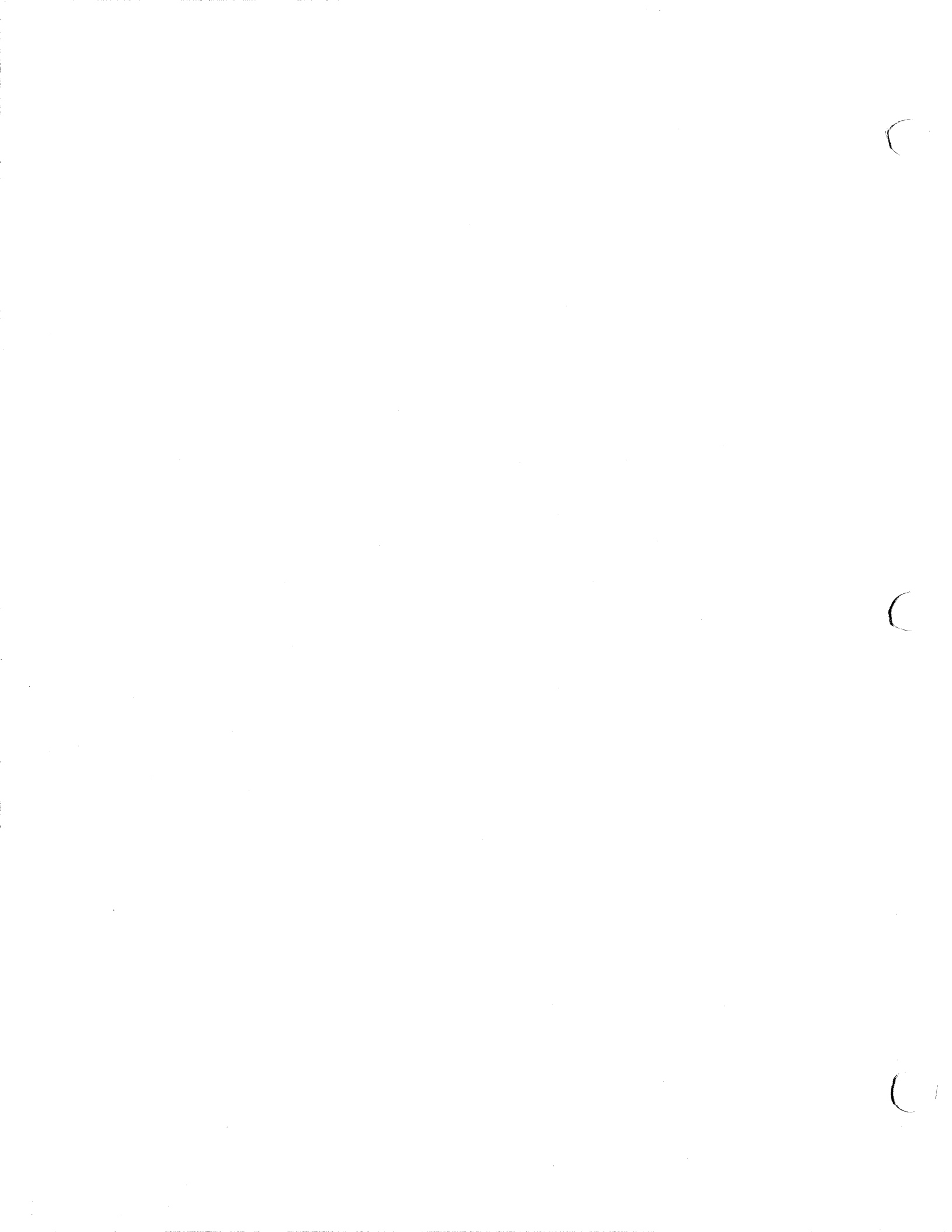


816 & 816B TRACTORS  
HYDRAULIC SYSTEM

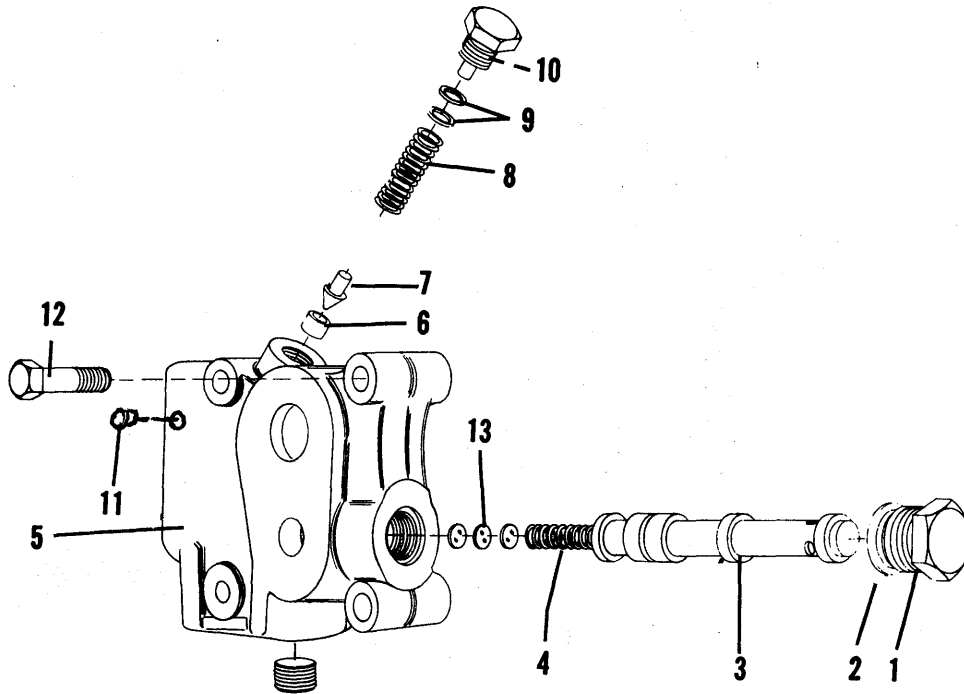
187

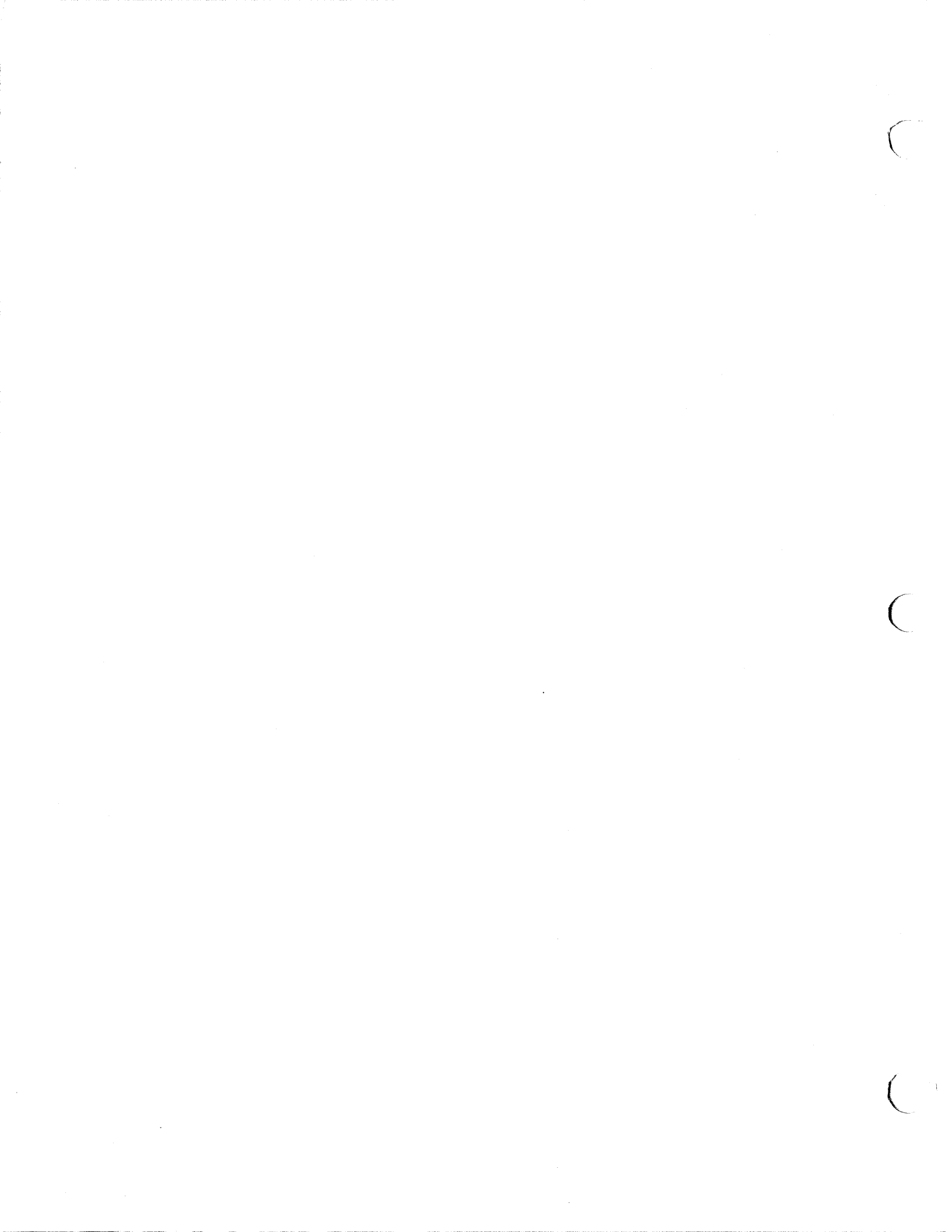
PUMP ASY., GEAR  
POWER STEERING

ITEM	NUMBER	QTY.	DESCRIPTION
—	1006950-8	1	PUMP ASY. (Incls. Items 1, 2 & 4 thru 24)
1	1006953-2	1	COVER ASY. (Incls. Item 2)
2	0234692-2	2	BEARING, needle
3	0930776-0	2	O-RING
4	0912069-2	6	CAPSCREW
5	0250279-7	2	RING, sealing
6	-----	2	RING, backup (Use SEAL KIT 255947)
7	0245685-3	2	SEAL, wear plate
8	0258627-9	2	PLATE, wear
9	0241951-3	1	IDLER GEAR & SHAFT
10	1006961-5	1	GEAR, drive
11	1006952-4	1	BODY ASY. (Incls. Item 13)
12	0241954-7	2	PIN, dowel
13	0234692-2	2	BEARING, needle
14	0243613-7	1	RETAINER ASY., seal
	0914198-7	4	SCREW
15	0923571-4	1	O-RING
16	1006956-5	1	ADAPTER, bearing
17	4253863-7	1	BEARING
18	1006959-9	2	RING, retaining
—	-----	—	SHAFT & SCREW ASY. drive (Incls. Items 19 & 20)
19	1006967-2	1	SHAFT, drive
20	0928938-0	1	CAPSCREW
21	1006968-0	1	O-RING
22	1006957-3	1	WASHER, thrust
23	0241114-8	1	PLATE, gear
24	1006960-7	2	SCREW



FLOW DIVIDER  
POWER STEERING PUMP





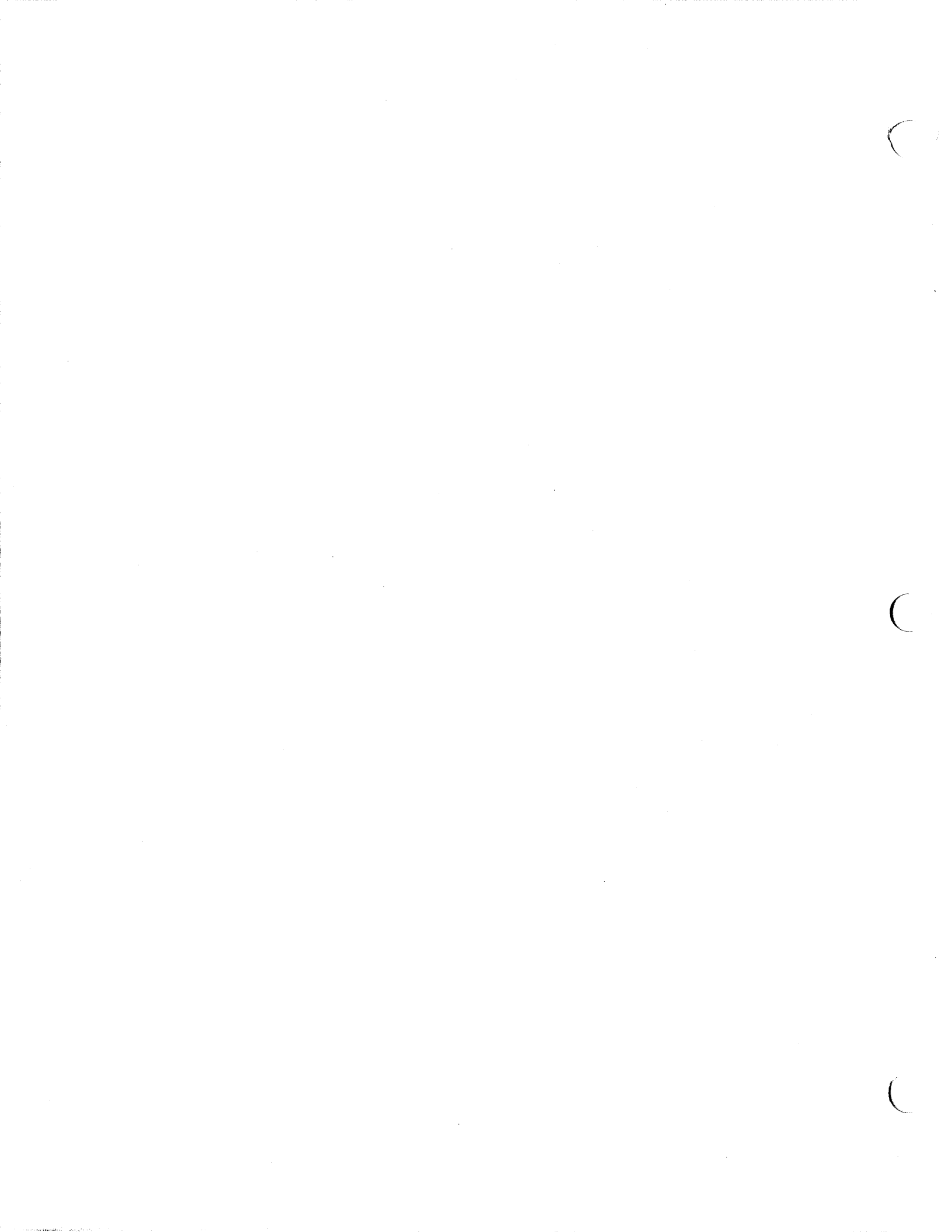


816 & 816B TRACTORS  
HYDRAULIC SYSTEM

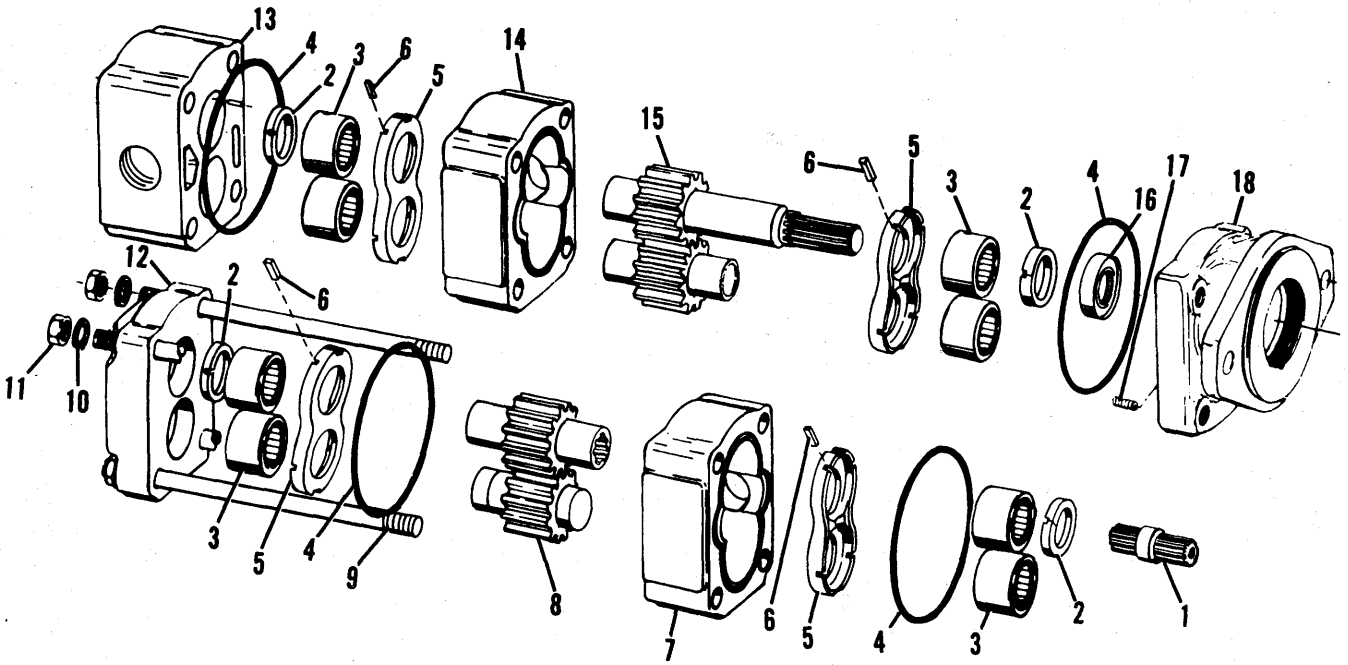
189

FLOW DIVIDER  
POWER STEERING PUMP

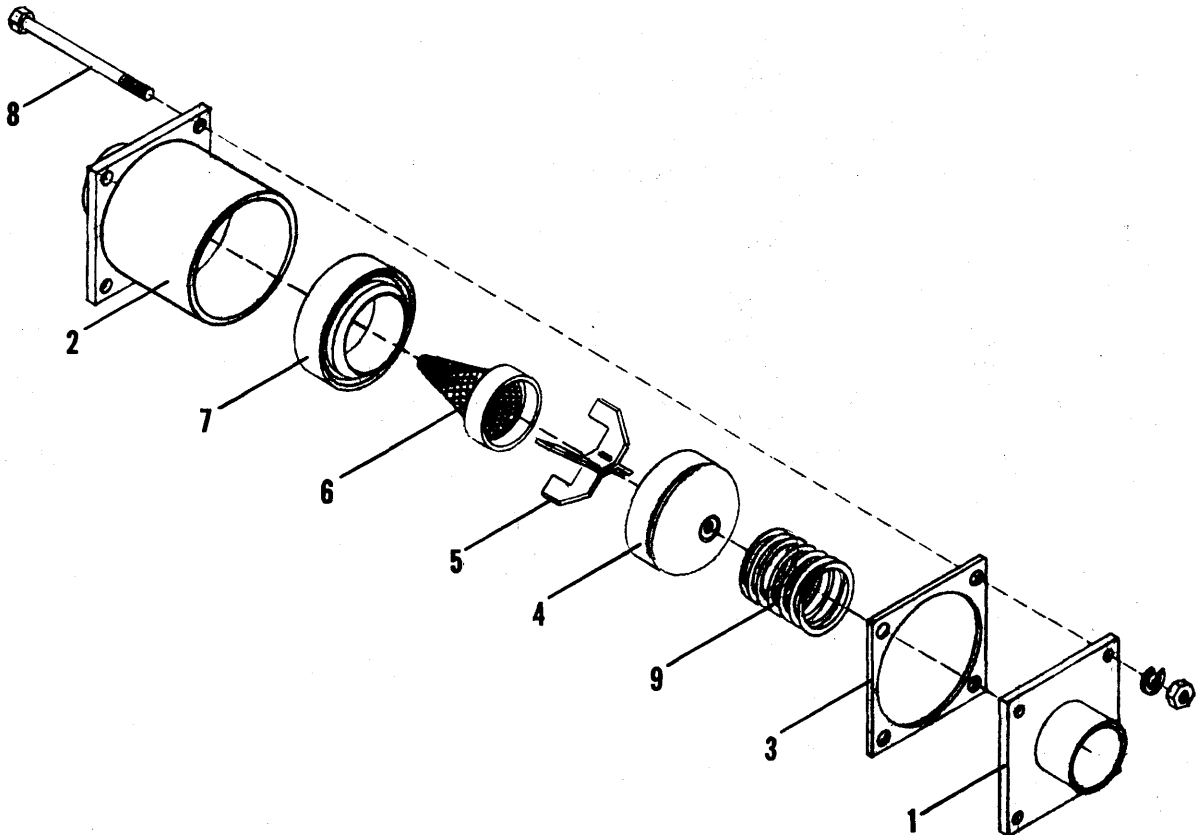
ITEM	NUMBER	QTY.	DESCRIPTION
—	1006951-6	1	FLOW DIVIDER ASY. (Incls. Items 1 thru 11, & 13)
1	0239279-3	1	PLUG
2	0923645-6	1	O-RING
3	1006963-1	1	PISTON
4	0241128-8	1	SPRING
5	1006962-3	1	BODY, flow divider
6	1006965-6	1	SEAT, relief valve
7	0241130-4	1	VALVE
8	0241131-2	1	SPRING
9	0241132-0	—	SHIM (Use as req'd)
	0241133-8	—	SHIM (Use as req'd)
	0241134-6	—	SHIM (Use as req'd)
10	0241135-3	1	PLUG, relief valve
11	1006964-9	1	PLUG, pipe
12	0921978-3	4	CAPSCREW



PUMP ASY., DUAL  
FRONT MOUNT



STRAINER ASY., FRONT



(1)

(1)

(1)

816 & 816B TRACTORS  
HYDRAULIC SYSTEM

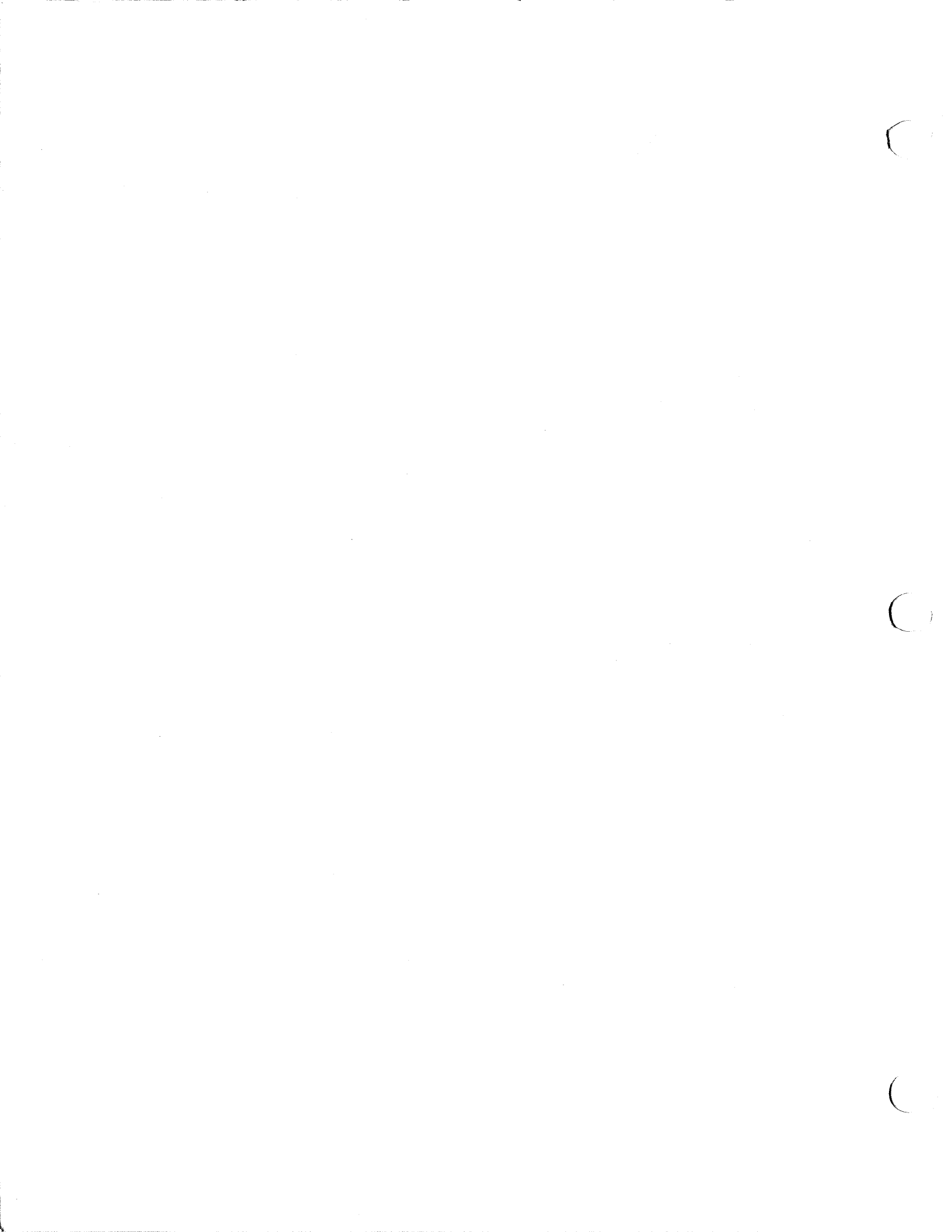
191

PUMP ASY., DUAL  
FRONT MOUNT

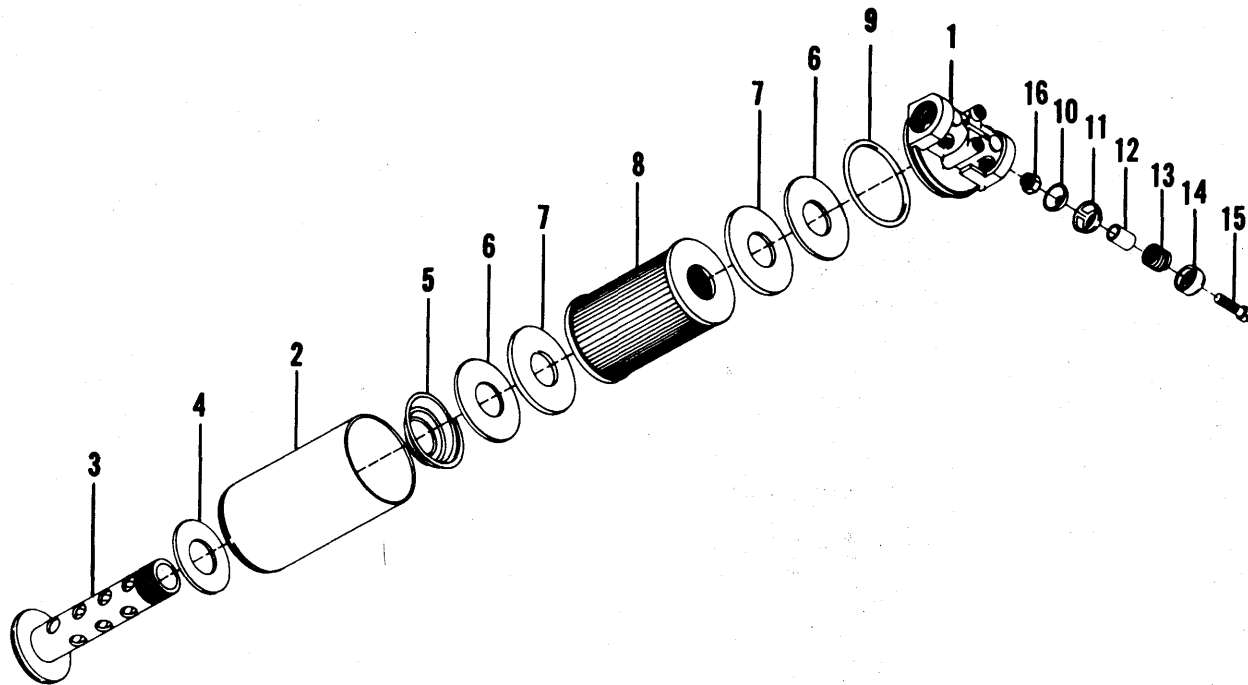
ITEM	NUMBER	QTY.	DESCRIPTION
—	1006392-3	1	PUMP ASY., dual (Incls. Items 1 thru 18)
1	0664020-5	1	SHAFT
2	3052822-8	4	SEAL, ring
3	3045977-0	8	BEARING, roller
4	0926813-7	4	SEAL, gasket
5	3045963-0	4	PLATE, thrust
6	3046521-5	24	SEAL, pocket
7	2020143-0	1	HOUSING, gear
8	2020144-8	1	GEAR SET
9	1006664-5	4	STUD
10	2020147-1	4	WASHER
11	2020148-9	4	NUT
12	0194321-6	1	COVER, end, port
13	2020138-0	1	BEARING, carrier
14	1006662-9	1	HOUSING, gear
15	1006663-7	1	GEAR SET
16	3045975-4	1	SEAL, double lip
17	0669623-1	1	PLUG
18	2020136-4	1	COVER, end, shaft
—	2020149-7	—	REPAIR KIT, dual pump seal
	3052822-8	4	SEAL, ring
	3045963-0	4	PLATE, thrust
	0926813-7	4	SEAL, gasket
	3045975-4	1	SEAL, double lip
	3046521-5	2	SEAL, gasket

STRAINER ASY., FRONT

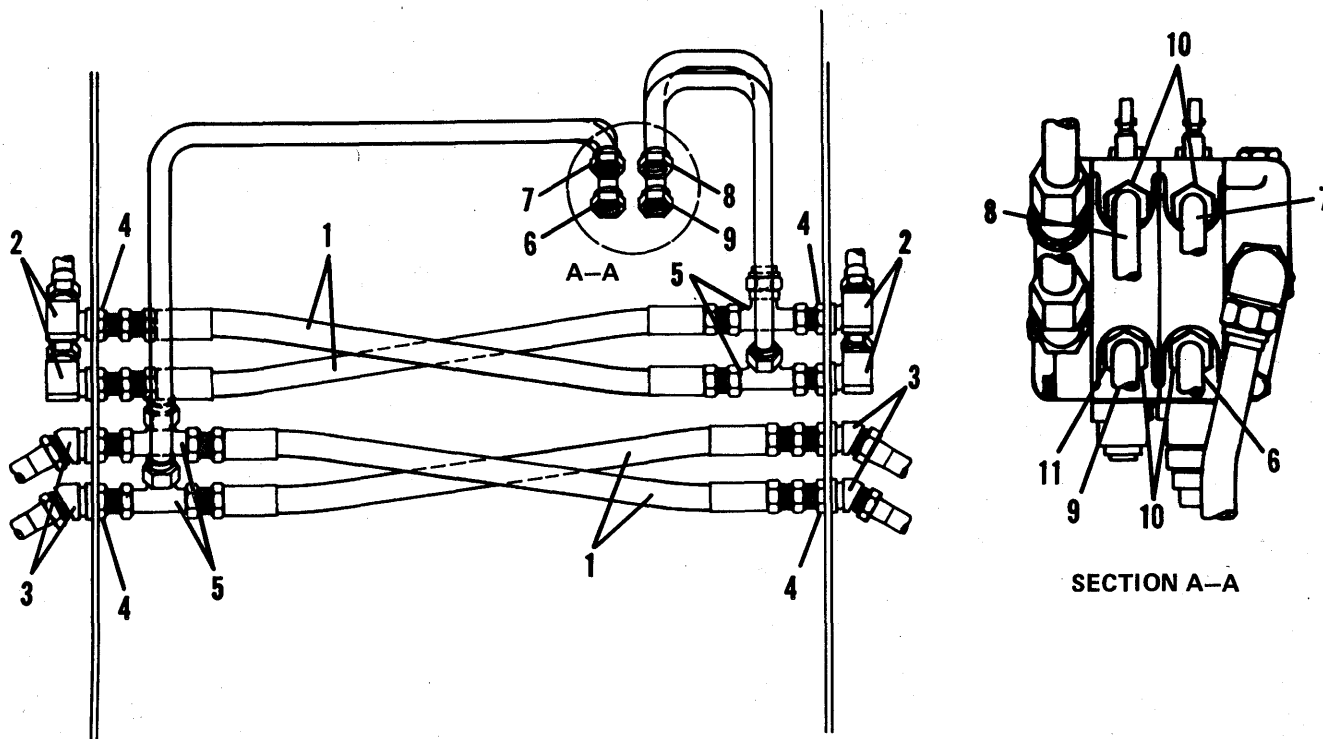
ITEM	NUMBER	QTY.	DESCRIPTION
—	1006394-9	1	STRAINER ASY.
1	1006507-6	1	COVER
2	1006508-4	1	BASE
3	1007053-0	1	GASKET
4	3013852-3	1	BAFFLE
5	3013847-3	1	SUPPORT
6	3010653-8	1	STRAINER
7	3013850-7	1	MAGNET
8	0923504-5	4	CAPSCREW
	0916965-7	4	LOCKWASHER, 3/8
	0916950-9	4	NUT, 3/8NC
9	1007050-6	1	SPRING

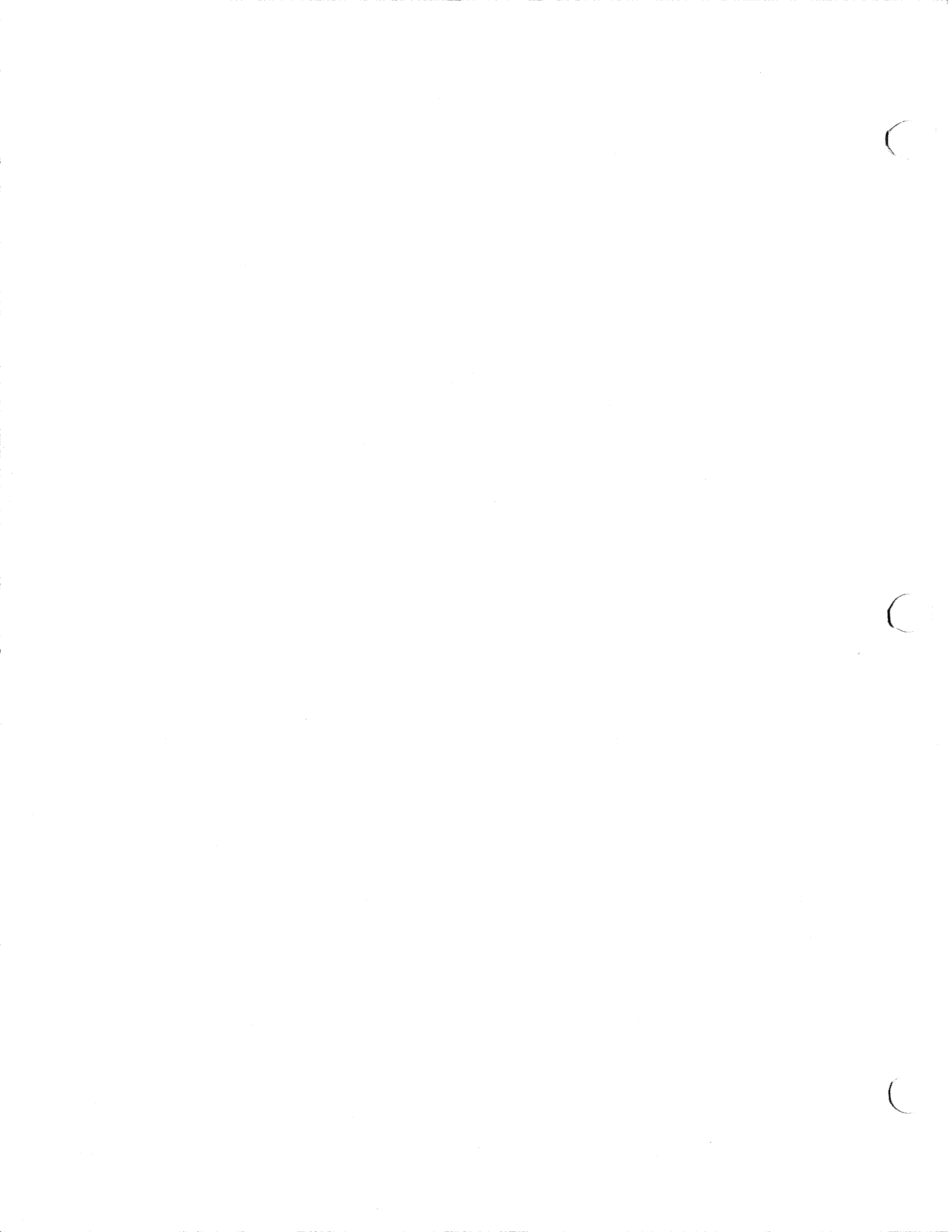


FILTER ASY.



HYDRAULIC LINES  
LOADER VALVE TO LOADER







816 & 816B TRACTORS  
HYDRAULIC SYSTEM

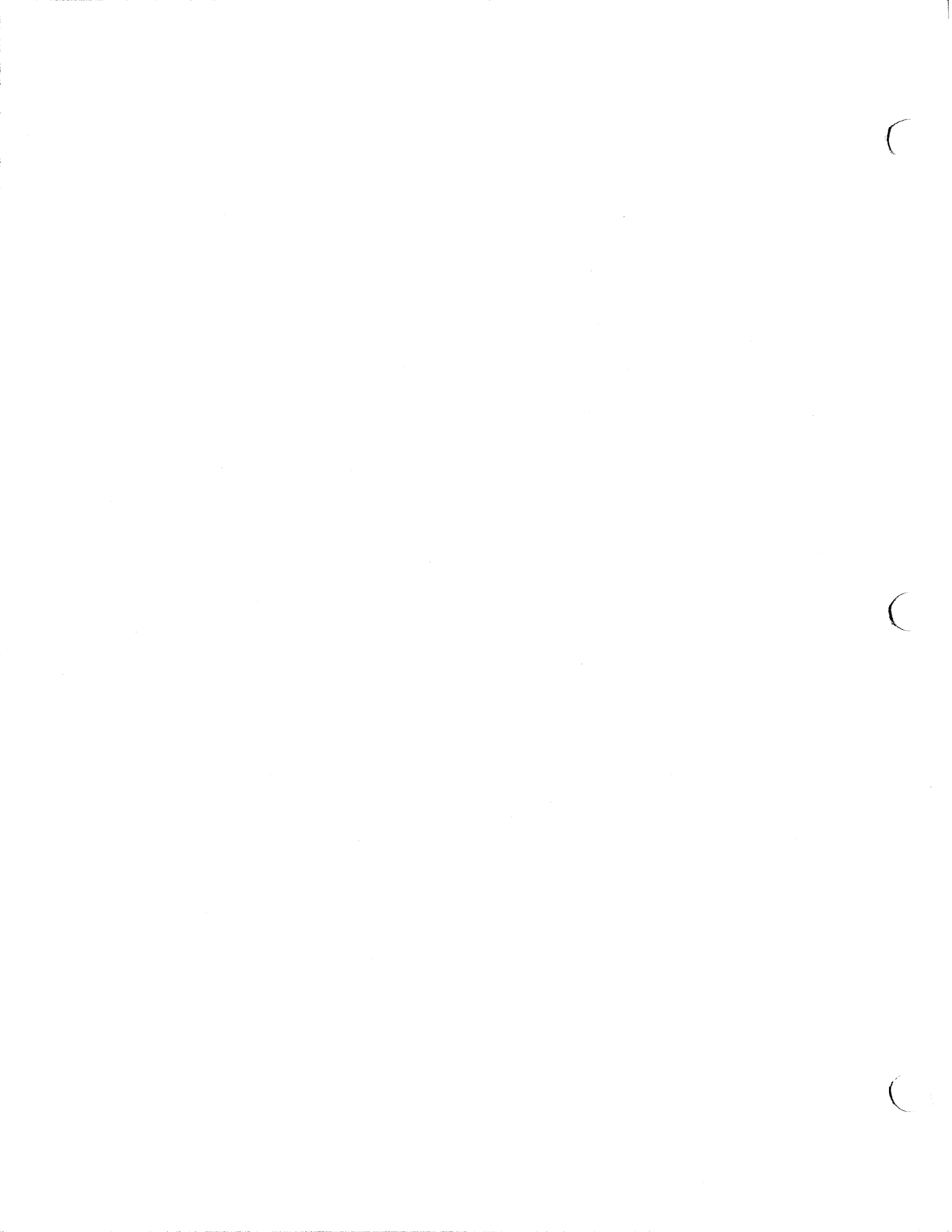
193

FILTER ASY.

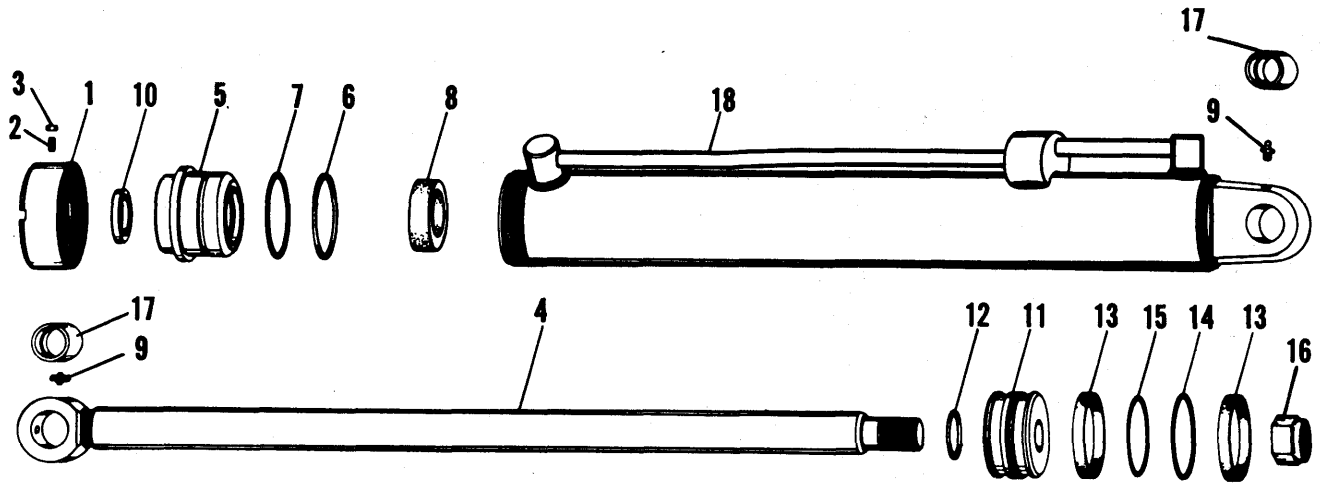
ITEM	NUMBER	QTY.	DESCRIPTION
-	1019961-0	1	FILTER ASY., hydraulic oil (Incl. Items 1 thru 16)
1	-----	1	HEAD, filter
2	-----	1	COVER, filter
3	2016767-2	1	CORE, filter
4	1151438-7	1	SEAL
5	2016769-8	1	SPRING
6	1007051-4	2	WASHER, flat
7	1151441-1	2	GASKET
8	1019962-8	1	ELEMENT KIT
9	1007054-8	1	O-RING
10	2016774-8	1	VALVE, bypass
11	2016775-5	1	GUIDE, valve
12	2016776-3	1	SLEEVE
13	2016777-1	1	SPRING
14	2016778-9	1	STOP, spring
15	2016779-7	1	SCREW, machining
16	2016780-5	1	NUT, self-locking
-	1019963-6	1	VALVE KIT, relief

HYDRAULIC LINES  
LOADER VALVE TO LOADER

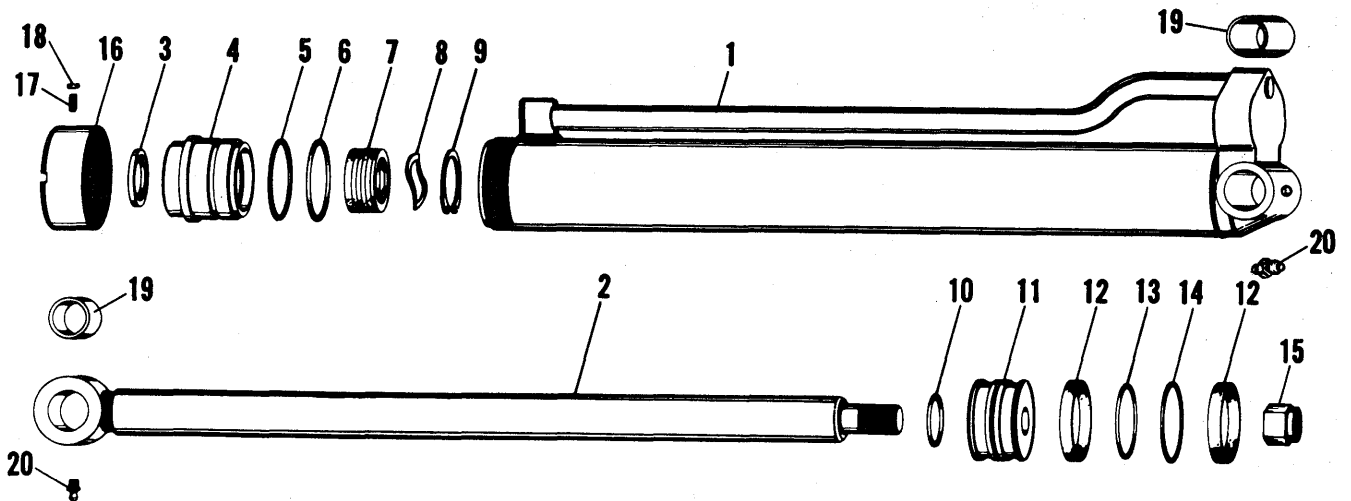
ITEM	NUMBER	QTY.	DESCRIPTION
1	1006443-4	4	TUBE ASY., crossover
2	0925031-7	4	ELBOW, bulkhead, 90°
3	0926929-1	4	ELBOW, bulkhead, 45°
4	0922186-2	8	LOCKNUT
5	0921691-2	4	TEE
6	1006440-0	1	TUBE ASY., lift cylinder, lower
7	1006439-2	1	TUBE ASY., lift cylinder, upper
8	1006442-6	1	TUBE ASY., dump cylinder, upper
9	1006441-8	1	TUBE ASY., dump cylinder, lower
10	0921217-6	4	CONNECTOR (Incls. O-RING)
	0921206-9	4	O-RING
11	2018964-3	1	PLATE, orifice



CYLINDER ASY., DUMP  
LOADER



CYLINDER ASY., LIFT  
LOADER



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816 & 816B TRACTORS  
HYDRAULIC SYSTEM

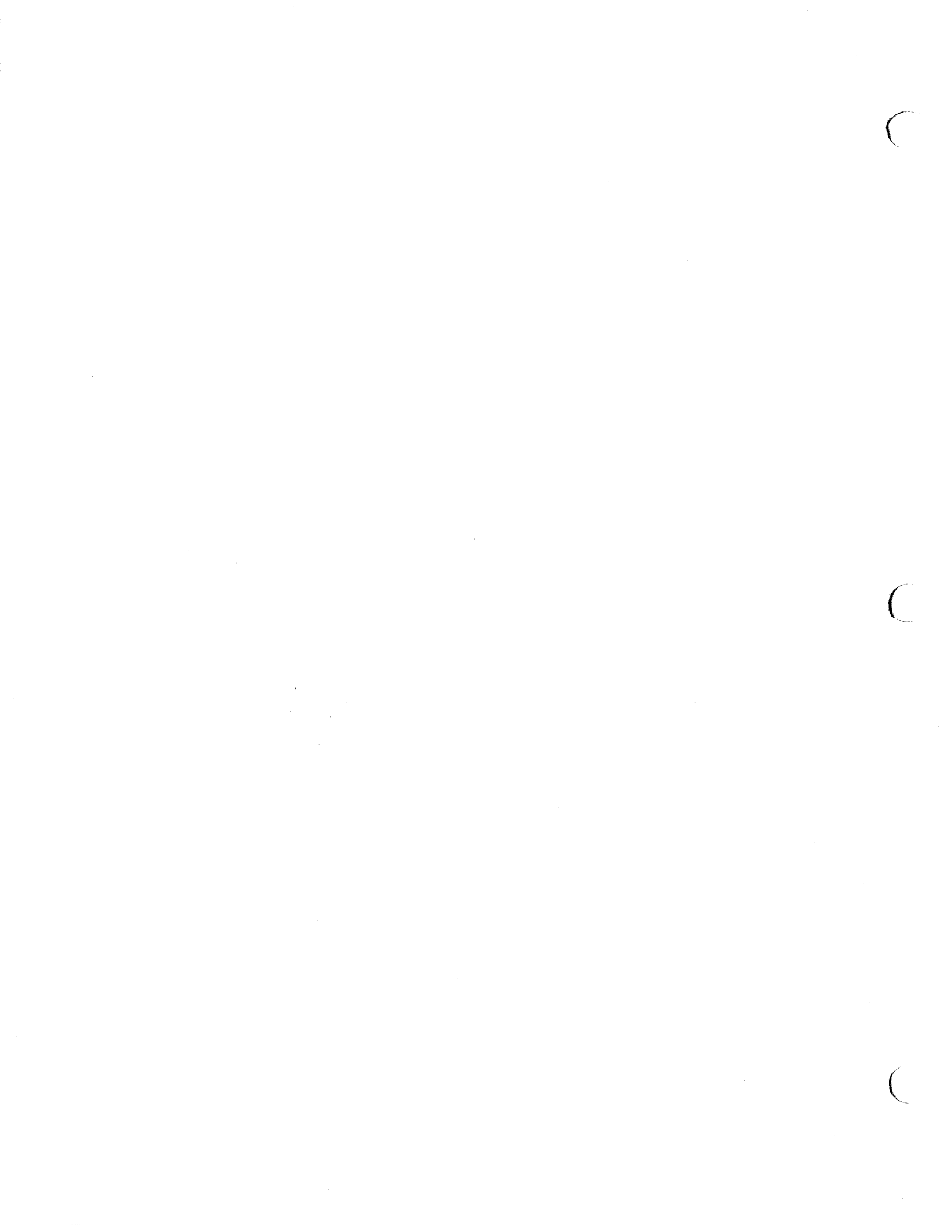
195

CYLINDER ASY., DUMP  
LOADER

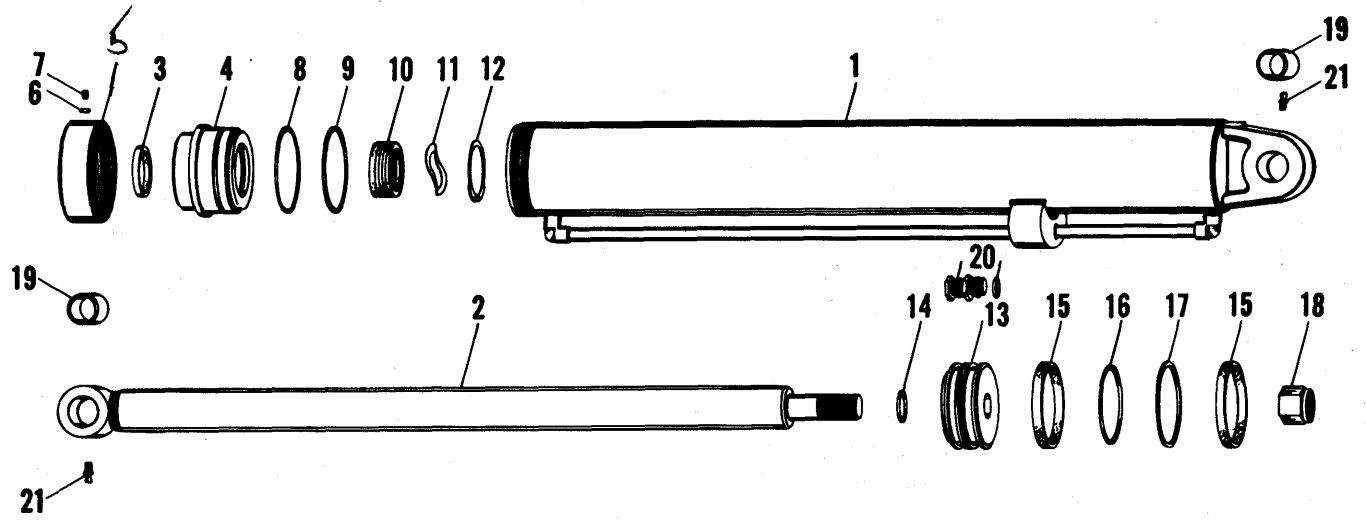
ITEM	NUMBER	QTY.	DESCRIPTION
—	1001079-1	1	CYLINDER ASY., dump (Incls. Items 1 thru 18)
1	2015255-9	1	RING, flange
2	0912235-9	1	SETSCREW
3	0911325-9	1	NUT, jam
4	1004731-4	1	ROD ASY. (Incls. 1 ea. of Items 9, 16 & 17)
5	1001082-5	1	HEAD
6	0923582-1	1	O-RING
7	0926625-5	1	WASHER, backup
8	1001083-3	1	SEAL
9	0914465-0	2	FITTING, lube
10	2014685-8	1	WIPER
11	1004733-0	1	PISTON
12	0923577-1	1	O-RING
13	2017480-1	2	RING, wear
14	2017234-2	1	SEAL, piston
15	0924770-1	1	O-RING
16	0917776-7	1	NUT
17	2018402-4	2	BUSHING
18	1001081-7	1	TUBE ASY. (Incls. 1 ea. of Items 9 & 17)
—	1001100-5	—	SEAL KIT, major (hydraulic cylinder)
	0923577-1	1	O-RING
	0923582-1	1	O-RING
	0924770-1	1	O-RING
	0926625-5	1	WASHER, backup
	1001083-3	1	SEAL, polypack
	2014685-8	1	WIPER, rod
	2017480-1	2	RING, wear
	2017234-2	1	SEAL, piston

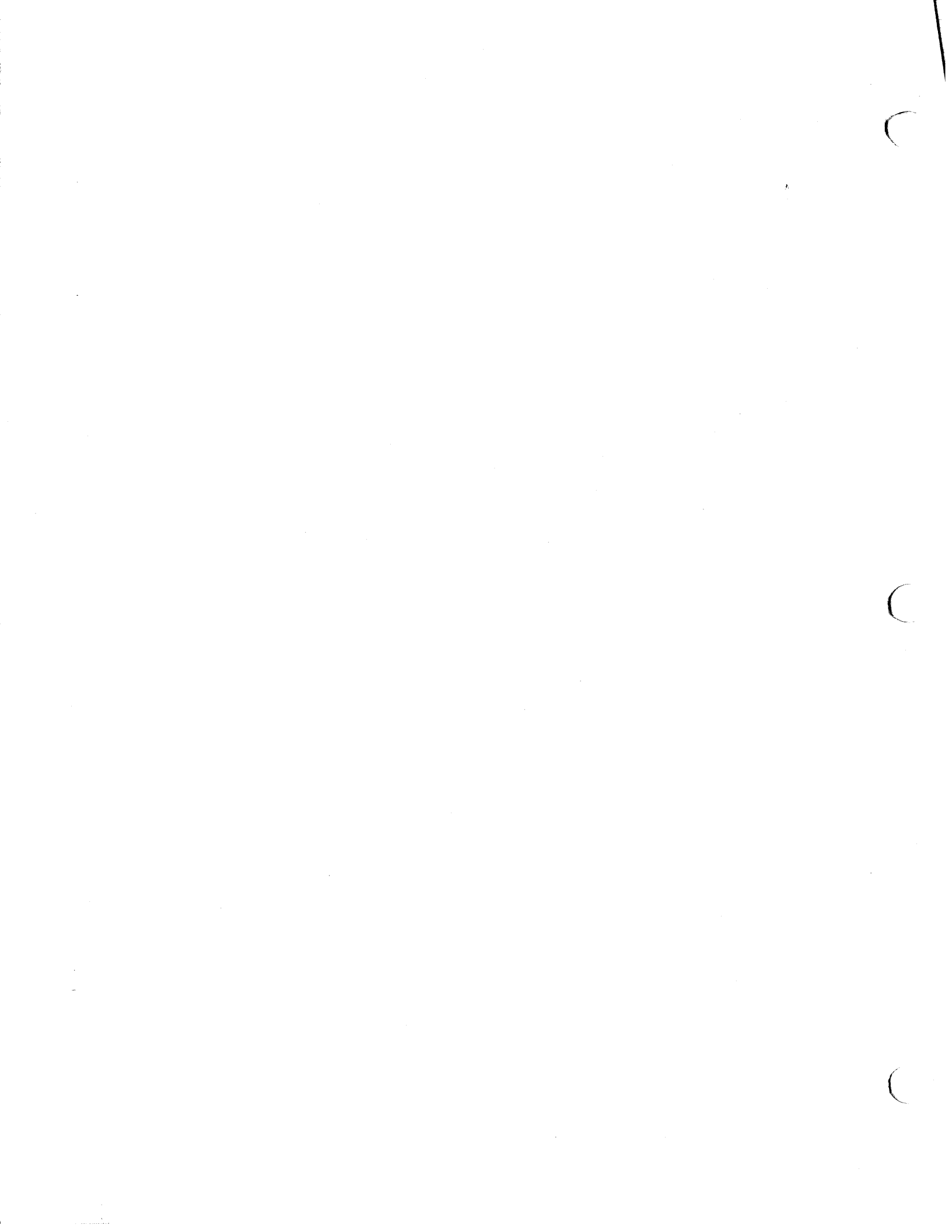
CYLINDER ASY., LIFT  
LOADER

ITEM	NUMBER	QTY.	DESCRIPTION
—	1001090-8	1	LIFT CYLINDER ASY. (Incls. Items 1 thru 20)
1	1001099-9	1	TUBE ASY. (Incls. 1 ea. of Items 19 & 20)
2	1001098-1	1	ROD ASY. (Incls. 1 ea. of Items 15, 19 & 20)
3	3053637-9	1	WIPER
4	2019977-4	1	HEAD
5	0926629-7	1	WASHER, backup
6	0923817-1	1	O-RING
7	2018413-1	1	VEE SET
8	2018412-3	1	SPRING, wave
9	2018941-1	1	RING, retaining
10	0925257-8	1	O-RING
11	1000999-1	1	PISTON
12	2018092-3	2	RING, wear
13	0924187-8	1	O-RING
14	2018095-6	1	SEAL, piston
15	0917776-7	1	NUT
16	2019978-2	1	RING, flange
17	0907675-3	1	SETSCREW
18	0911325-9	1	NUT, jam
19	1004100-2	2	BUSHING
20	0914465-0	2	FITTING, lube
—	1000622-9	—	REPAIR KIT, major seal, hydraulic cylinder
	0923817-1	1	O-RING
	0924187-8	1	O-RING
	0925257-8	1	O-RING
	0926629-7	1	WASHER, backup
	2018092-3	2	RING, wear
	2018095-6	1	SEAL, ring
	2018413-1	1	SEAL, vee set
	3053637-9	1	WIPER, rod



CYLINDER ASY., BOOM & DIPPERSTICK  
BACKHOE





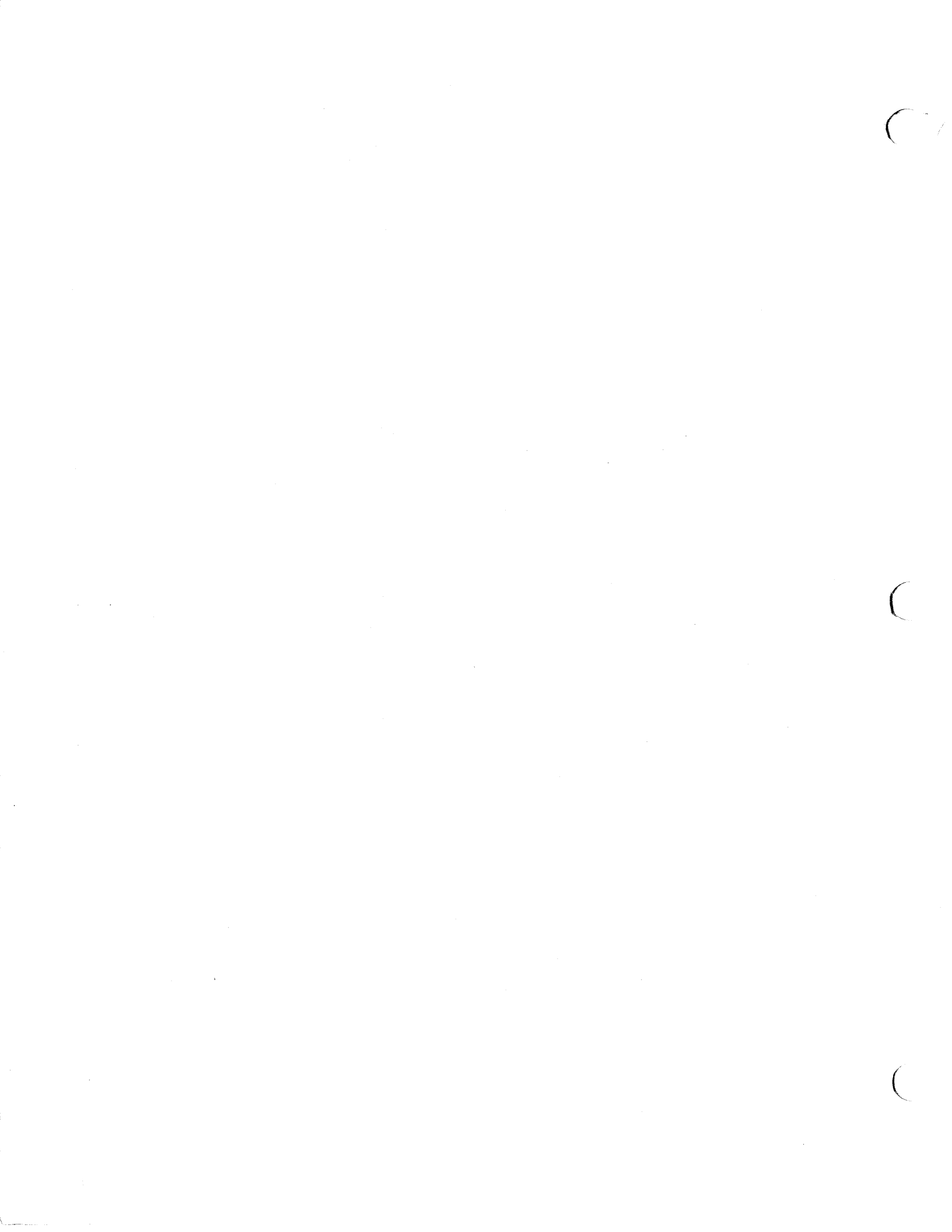


816 & 816B TRACTORS  
HYDRAULIC SYSTEM

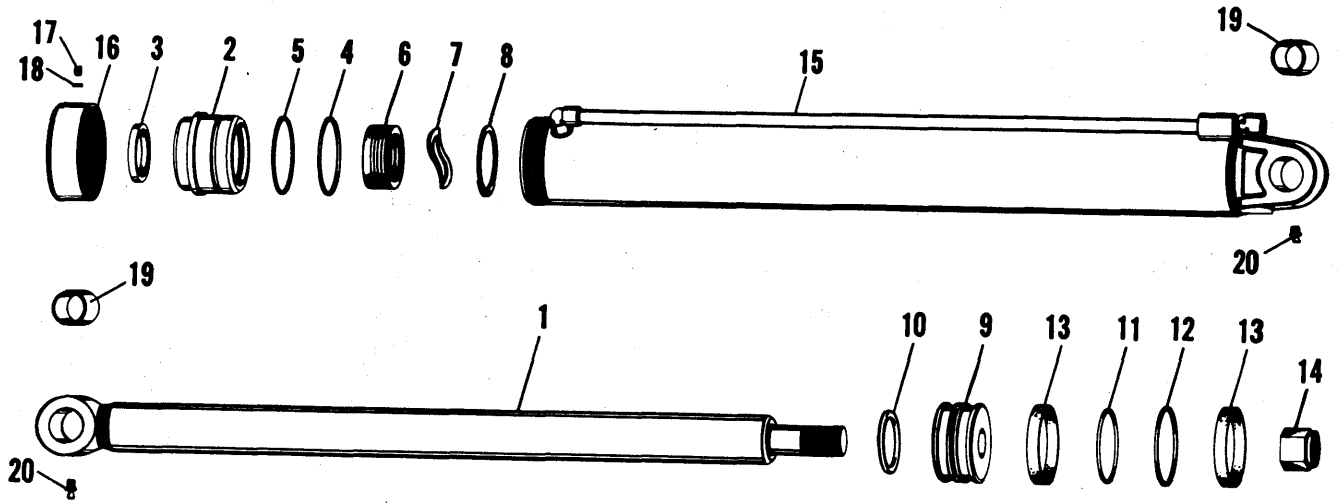
197

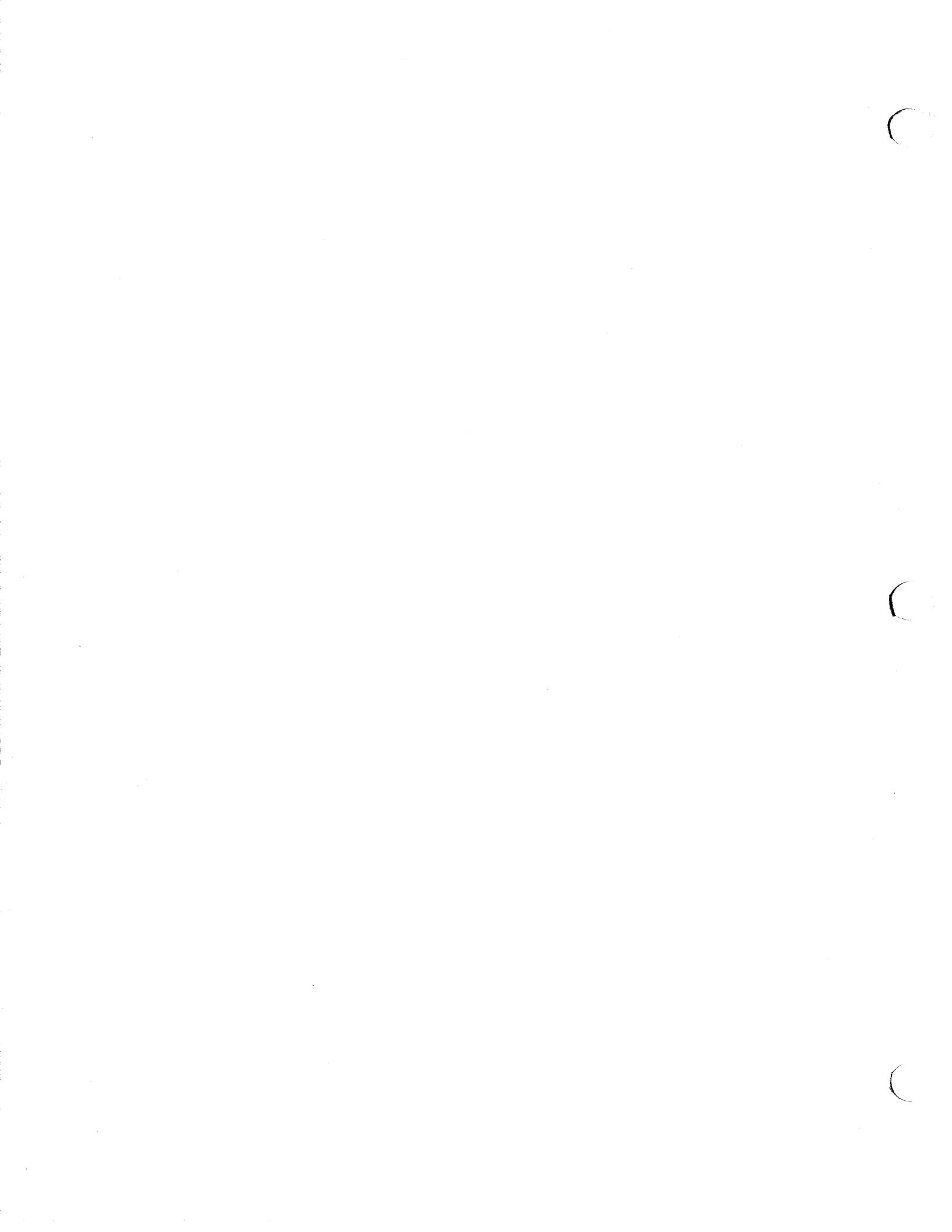
CYLINDER ASY., BOOM & DIPPERSTICK  
BACKHOE

ITEM	NUMBER	QTY.	DESCRIPTION
—	1000992-6	1	CYLINDER ASY., boom & dipperstick (Incls. Items 1 & 2)
1	1000993-4	1	TUBE ASY. (Incls. 1 ea. of Items 19 & 21, & 2 of Item 20)
2	1000994-2	1	ROD ASY. (Incls. 1 ea. of Items 18, 19 & 21)
3	2018108-7	1	WIPER
4	1001104-7	1	HEAD
5	1001105-4	1	RING, flange
6	0911325-9	1	NUT, jam
7	0912235-9	1	NUT, jam
8	0930340-5	1	WASHER, backup
9	0923590-4	1	O-RING
10	2018501-3	1	PACKING, vee
11	2018503-9	1	SPRING, wave
12	0925998-7	1	RING, retainer
13	1000254-1	1	PISTON
14	0924192-8	1	O-RING
15	1000456-2	2	RING, wear
16	0924128-2	1	O-RING
17	1000447-1	1	SEAL, piston
18	0917778-3	1	NUT
19	1004100-2	2	BUSHING
20	0921204-4	2	PLUG
21	0914465-0	2	FITTING, lube
—	1000655-9	—	REPAIR KIT, major seal, hydraulic cylinder
	0923590-4	1	O-RING
	0924128-2	1	O-RING
	0924192-8	1	O-RING
	0930340-5	1	WASHER, backup
	1000447-1	1	SEAL, piston
	1000456-2	2	RING, wear
	2018108-7	1	WIPER, rod
	2018501-3	1	SEAL, vee set



CYLINDER ASY., BUCKET  
BACKHOE





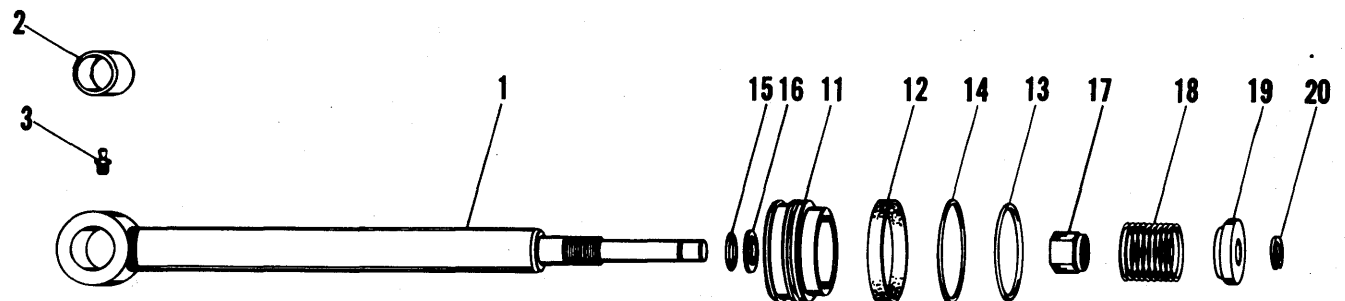
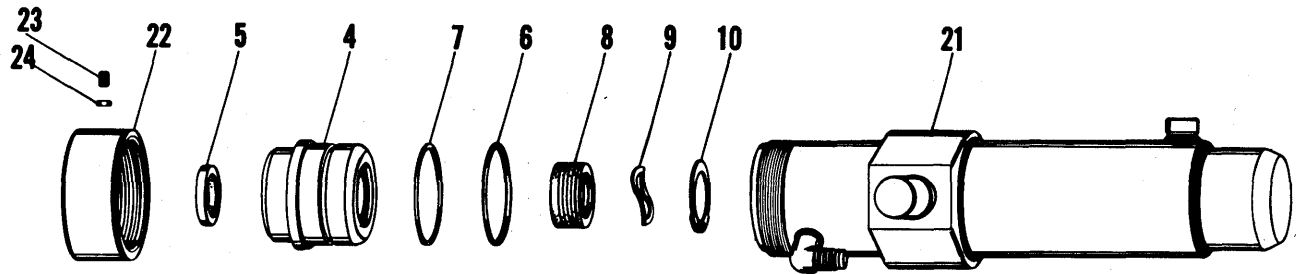
816 & 816B TRACTORS  
HYDRAULIC SYSTEM

199

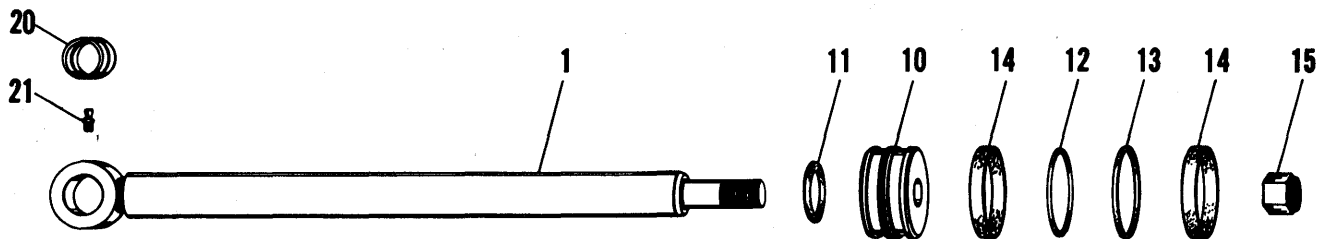
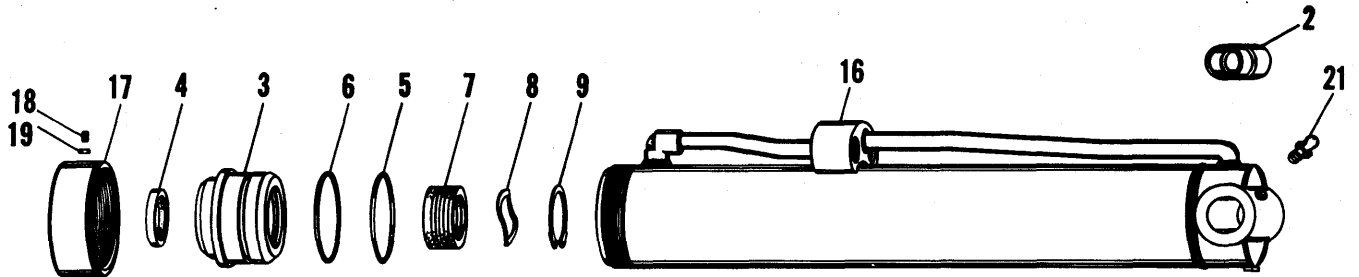
CYLINDER ASY., BUCKET  
BACKHOE

ITEM	NUMBER	QTY.	DESCRIPTION
-	1021011-0	1	CYLINDER ASY., bucket (Incls. Items 1 thru 20) (Prior S/N 2539)
-	1002501-3	1	CYLINDER ASY., bucket (Incls. Items 1 thru 20) (Eff. S/N 2539 & Up)
1	1002510-4	1	ROD ASY. (Incls. 1 ea. of Items 19 & 20)
2	1000171-7	1	HEAD
3	2018108-7	1	WIPER
4	0923817-1	1	O-RING
5	0926629-7	1	WASHER, backup
6	2018501-3	1	VEE SET
7	2018503-9	1	SPRING, wave
8	0925998-7	1	RING, retaining
9	1000157-6	1	PISTON
10	0923815-5	1	O-RING
11	0924187-8	1	O-RING
12	2018095-6	1	SEAL, piston
13	2018092-3	2	RING, wear
14	0917778-3	1	NUT
15	1021073-0	1	TUBE ASY. (Incls. 1 ea. of Items 19 & 20) (Prior S/N 2539)
	1002506-2	1	TUBE ASY. (Incls. 1 ea. of Items 19 & 20) (Eff. S/N 2539 & Up)
16	2019978-2	1	RING, flange
17	0912235-9	1	SETSCREW
18	0911325-9	1	NUT, jam
19	2018393-5	2	BUSHING
20	0914465-0	1	FITTING, lube
-	1002563-3	-	REPAIR KIT, major seal, hydraulic cylinder
	0923815-5	1	O-RING
	0923817-1	1	O-RING
	0924187-8	1	O-RING
	0926629-7	1	WASHER, backup
	2018092-3	2	RING, wear
	2018095-6	1	SEAL, piston
	2018108-7	1	RING, wiper
	2018501-3	1	SEAL, vee set

CYLINDER ASY., SWING



CYLINDER ASY., STABILIZER  
BACKHOE



816 & 816B TRACTORS  
HYDRAULIC SYSTEM

201

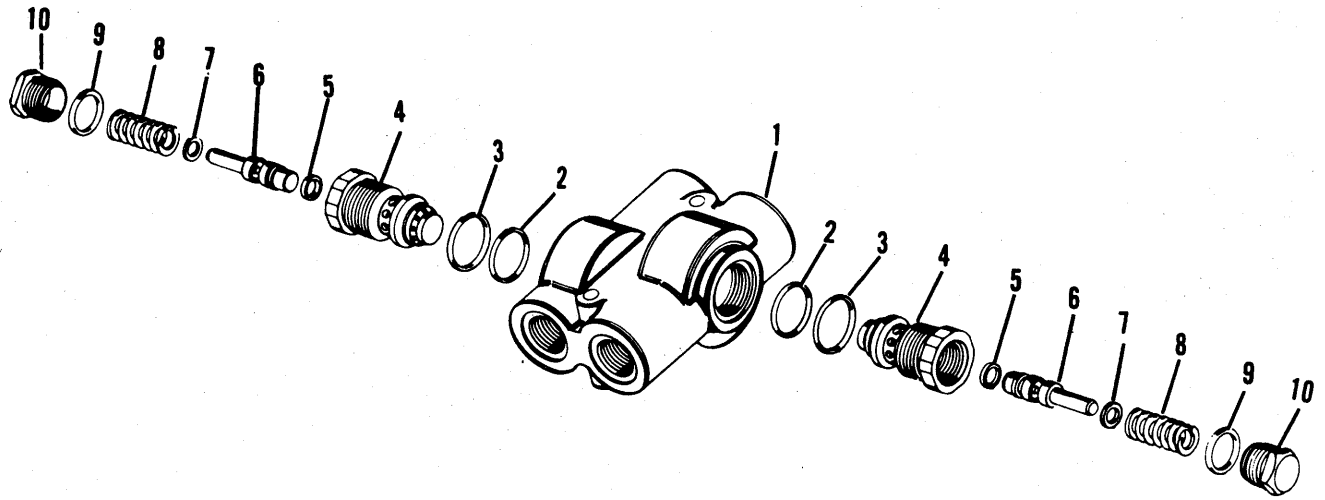
CYLINDER ASY., SWING

ITEM	NUMBER	QTY.	DESCRIPTION
—	1020544-1	1	CYLINDER ASY., swing (Incls. Items 1 thru 24)
1	1002403-2	1	ROD ASY. (Incls. 1 ea. of Items 2, 3, 17 & 20)
2	2018394-3	1	BUSHING
3	0914465-0	1	FITTING, lube
4	1000146-9	1	HEAD
5	2014684-1	1	WIPER
6	0923816-3	1	O-RING
7	0926627-1	1	WASHER, backup
8	2018636-7	1	VEE SET
9	1000486-9	1	SPRING, wave
10	2018635-9	1	RING, retaining
11	1000145-1	1	PISTON
12	2017362-1	1	RING, wear
13	0924135-7	1	O-RING
14	2017235-9	1	SEAL, piston
15	0924110-0	1	O-RING
16	0926616-4	1	WASHER, backup
17	0930765-3	1	NUT
18	1021229-8	1	SPRING
19	1000130-3	1	PLATE, valve
20	0929390-3	1	RING, retaining
21	1020540-9	1	TUBE ASY.
22	1000913-2	1	RING, flange
23	0912235-9	1	SETSCREW
24	0911325-9	1	NUT, jam
—	1000133-7	—	REPAIR KIT, major seal, hydraulic cylinder
	0923816-3	1	O-RING
	0924110-0	1	O-RING
	0924135-7	1	O-RING
	0926616-4	1	WASHER, backup
	0926627-1	1	RING, backup
	2014684-1	1	RING, wiper
	2017235-9	1	RING, seal
	2017362-1	1	RING, wear
	2018636-7	1	SEAL, vee set

CYLINDER ASY., STABILIZER  
BACKHOE

ITEM	NUMBER	QTY.	DESCRIPTION
—	1001260-7	1	CYLINDER ASY., stabilizer (Incls. Items 1 thru 21)
1	1001394-4	1	ROD ASY. (Incls. 1 ea. of Items 15, 20 & 21)
2	2018402-4	2	BUSHING
3	2019977-4	1	HEAD
4	3053637-9	1	WIPER
5	0923817-1	1	O-RING
6	0926629-7	1	WASHER, backup
7	2018413-1	1	VEE SET
8	2018412-3	1	SPRING, wave
9	2018411-5	1	RING, retaining
10	1000620-3	1	PISTON
11	0925257-8	1	O-RING
12	0924187-8	1	O-RING
13	2018095-6	1	SEAL, piston
14	2018092-3	2	RING, wear
15	1000065-1	1	NUT
16	1001259-9	1	TUBE ASY. (Incl. 1 ea. of Items 2 & 21)
17	2019978-2	1	RING, flange
18	0907675-3	1	SETSCREW
19	0911325-9	1	NUT, jam
20	1004734-8	2	BUSHING
21	0914465-0	1	FITTING, lube
—	1000622-9	—	REPAIR KIT, major seal, hydraulic cylinder
	0923817-1	1	O-RING
	0924187-8	1	O-RING
	0925257-8	1	O-RING
	0926629-7	1	WASHER, backup
	2018092-3	1	RING, wear
	2018095-6	1	SEAL, ring
	2018413-1	1	SEAL, vee set
	3053637-9	1	WIPER, rod

VALVE — DUAL RELIEF  
BACKHOE



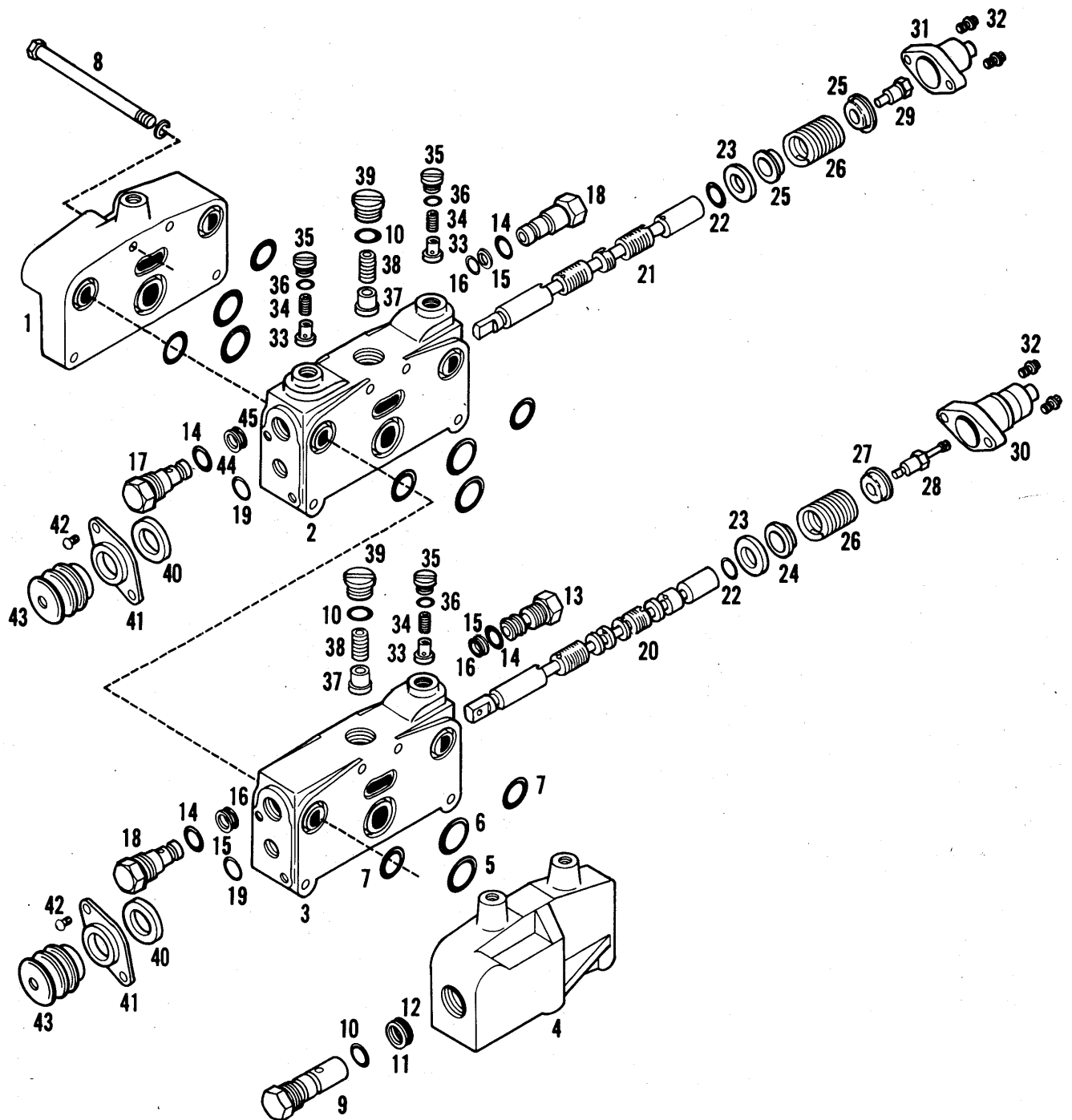


816 & 816B TRACTORS  
HYDRAULIC SYSTEM

VALVE — DUAL RELIEF  
BACKHOE

ITEM	NUMBER	QTY.	QTY.	DESCRIPTION
		*	**	
-	1002545-0	1	0	VALVE, swing, cushion (Use 1002624)
-	1002624-3	0	1	VALVE, swing, cushion
-	1006582-9	2	0	VALVE, relief ( <del>2000 PSI</del> ) 2500 PSI
-	1002626-8	0	2	VALVE, relief (2000 PSI)
1	-----	1	1	HOUSING, valve (Not serviced)
2	-----	2	0	SEAL, aluminum (Not serviced)
3	0928346-6	2	0	O-RING
	-----	0	2	O-RING (Not serviced)
	-----	0	2	WASHER, backup (Not serviced)
4	-----	2	2	BODY, relief (Not serviced)
5	-----	2	0	RING, piston (Not serviced)
	-----	0	2	O-RING (Not serviced)
	-----	0	2	WASHER, backup (Not serviced)
6	-----	2	2	POPPET, relief (Not serviced)
7	2018992-4	-	0	SHIM (.040) (As req'd)
	2018993-2	-	0	SHIM (.020) (As req'd)
	2018994-0	-	0	SHIM (.010) (As req'd)
8	2019870-1	2	0	SPRING (2000 PSI)
	-----	0	2	SPRING (Not serviced)
9	0923875-9	2	0	O-RING
	-----	0	2	O-RING (Not serviced)
10	-----	2	2	CAP, relief (Not serviced)
-	1002456-0	1	0	SEAL KIT (Incl. Items 3, & 9 thru 11)
-	1002625-0	0	1	SEAL KIT (Incl. Items 3, 5 & 9)

CONTROL VALVE  
LOADER



816 & 816B TRACTORS  
HYDRAULIC SYSTEM

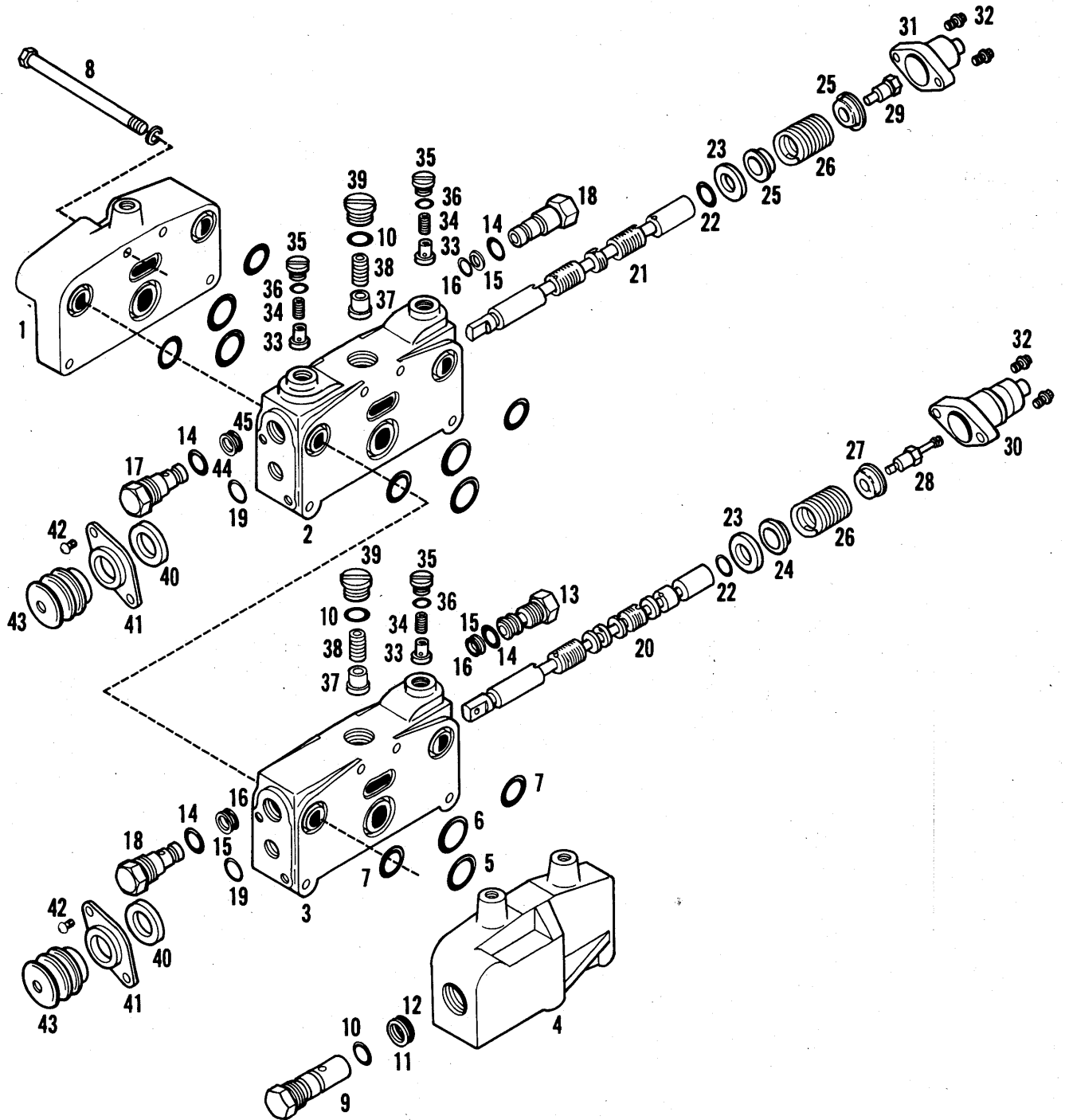
205

CONTROL VALVE  
LOADER

ITEM	NUMBER	QTY.	DESCRIPTION
-	-----	1	VALVE, control, loader
1	1001621-0	1	PLATE, end
2	1001734-1	1	VALVE, section
3	1001896-8	1	VALVE, section
4	1001620-2	1	PLATE, port
5	0923987-2	3	O-RING, 1-3/8 I.D. x 1/16 wide, 90 Duro
6	-----	3	O-RING, 1-1/8 I.D. x 1/16 wide, 90 Duro (Not serviced)
7	0923989-8	6	O-RING, 1-1/8 I.D. x 1/16 wide
8	1000204-6	4	BOLT, tie, 3/8NC x 5-7/8
	0916965-7	4	LOCKWASHER, 3/8
9	2017738-2	1	VALVE ASY., relief (2250 PSI) (Incl. Item 10)
10	0923566-4	3	O-RING
11	0926612-3	1	WASHER, backup
12	0923988-0	1	O-RING
13	1000759-9	1	PLUG ASY. (Incl. Items 14 thru 16)
14	0923849-4	4	O-RING
15	1135116-0	3	WASHER, backup
16	0923376-8	3	O-RING
17	1000806-8	1	VALVE ASY., relief (2000 PSI) (Incl. Items 14 thru 16)
18	1000200-4	2	VALVE ASY., relief (2500 PSI) (Incl. Items 14 thru 16)
19	0934894-7	2	O-RING, 3/4 I.D. x 1/8 wide, 50 Duro
20	-----	1	SPOOL ASY. (Not serviced separately)
21	-----	1	SPOOL ASY. (Not serviced separately)
22	0923719-9	2	O-RING, 3/4 I.D. x 3/32 wide, 50 Duro
23	1000762-3	2	RETAINER, o-ring
24	1000259-0	1	WASHER, deep
25	1000761-5	2	WASHER, deep
26	1000249-1	2	SPRING
27	1000257-4	1	WASHER, shallow
28	1001565-9	1	SCREW, spool, detent out
29	0349937-3	1	SCREW, spool
30	1002479-2	1	CAP ASY., detent
31	1000817-5	1	CAP ASY.
32	1000767-2	4	CAPSCREW, 1/4NF x 7/8, 12 pt.
33	1000818-3	3	PLUNGER, anti-cavity
34	4996404-2	3	SPRING, anti-cavity
35	4996409-1	3	PLUG ASY. (Incl. Item 36)
36	0923565-6	3	O-RING
37	1000765-6	2	PLUNGER, lift check
38	1000764-9	2	SPRING, lift check
39	1001907-3	2	PLUG ASY., lift check (Incls. Item 10)
40	-----	2	WASHER, breather
41	-----	2	RETAINER, dust seal
42	-----	4	SCREW, machine
43	-----	2	SEAL, dust
44	1000844-9	1	WASHER, backup
45	0923945-0	1	O-RING

Continued

CONTROL VALVE  
LOADER



816 & 816B TRACTORS  
HYDRAULIC SYSTEM

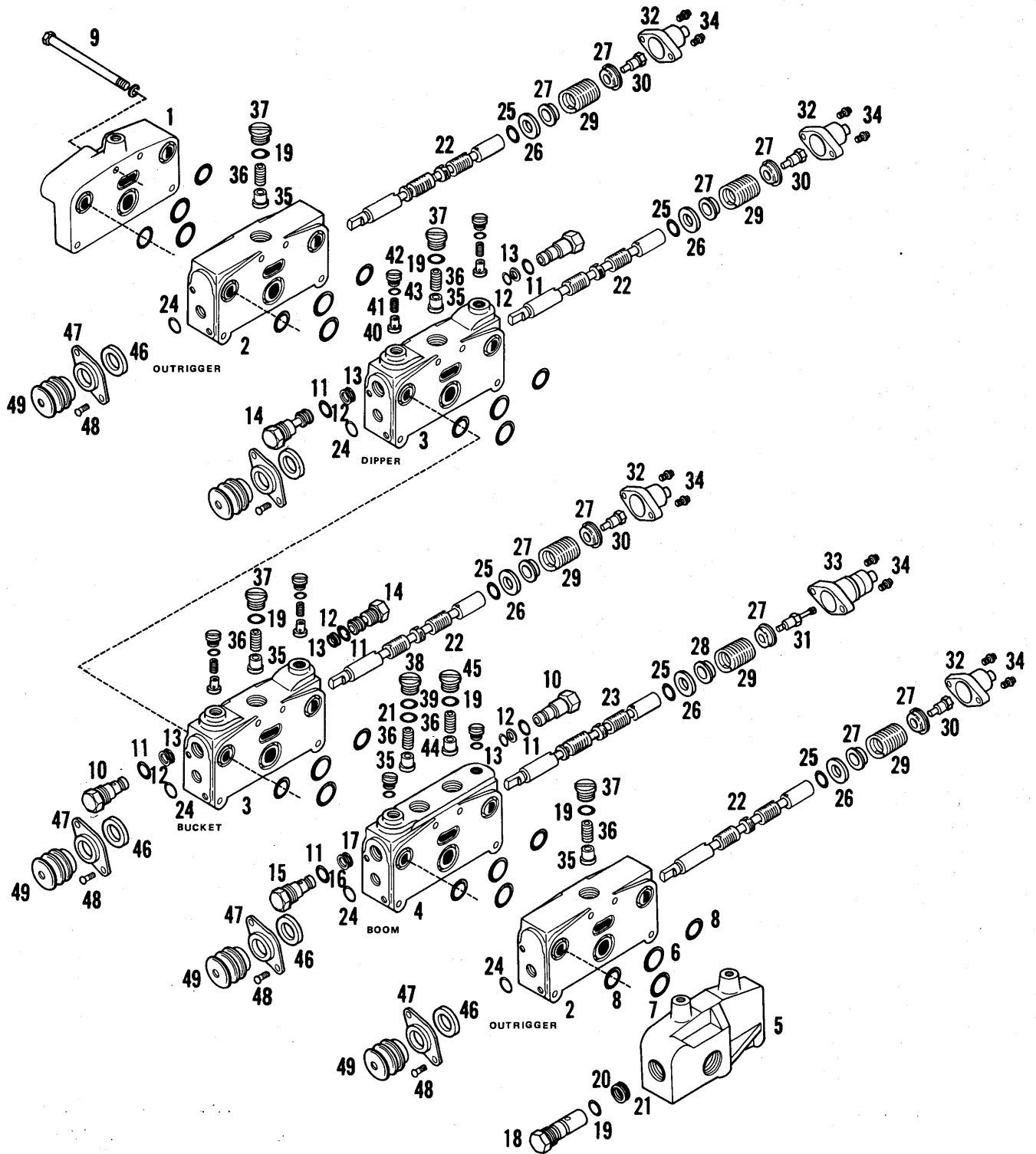
207

CONTROL VALVE  
LOADER

ITEM	NUMBER	QTY.	DESCRIPTION
-	1000819-1	-	REPAIR KIT, seal (For VALVE 1001734)
	0923376-8	2	O-RING
	0923565-6	1	O-RING
	0923566-4	1	O-RING
	0923719-9	1	O-RING
	0923849-4	2	O-RING
	0923945-0	1	O-RING
	0934894-7	1	O-RING
	1000844-9	1	WASHER, backup
	1135116-0	2	WASHER, backup
-	1001603-8	1	REPAIR KIT, between section
	0923986-4	6	O-RING
	0923987-2	3	O-RING
	-----	3	O-RING (Not serviced)
-	1001626-9	1	REPAIR KIT, major seal, loader valve
	1000819-1	1	REPAIR KIT, seal (For VALVE 1001734)
	1001603-8	1	REPAIR KIT, between section
	1001627-7	1	REPAIR KIT, seal (For VALVE 1001896)
	1001780-4	1	REPAIR KIT, port plate
-	1001627-7	1	REPAIR KIT, seal (For VALVE 1001896)
	0923565-6	1	O-RING
	0923566-4	1	O-RING
	0923719-9	1	O-RING
	0923849-4	2	O-RING
	0923945-0	1	O-RING
	0934894-7	1	O-RING
	4996409-1	1	O-RING
	1135116-0	1	WASHER, backup
-	1002580-7	1	SEAL KIT, dust (For Backhoe & Loader Valves)
	-----	2	SCREW
	-----	1	RETAINER, dust seal
	-----	1	SEAL, dust
	-----	1	BREATHER
-	1001780-4	1	REPAIR KIT, port plate
	0923566-4	1	O-RING
	0923988-0	1	O-RING
	0926612-3	1	WASHER, backup

816 & 816B TRACTORS  
HYDRAULIC SYSTEM

CONTROL VALVE  
BACKHOE



816 & 816B TRACTORS  
HYDRAULIC SYSTEM

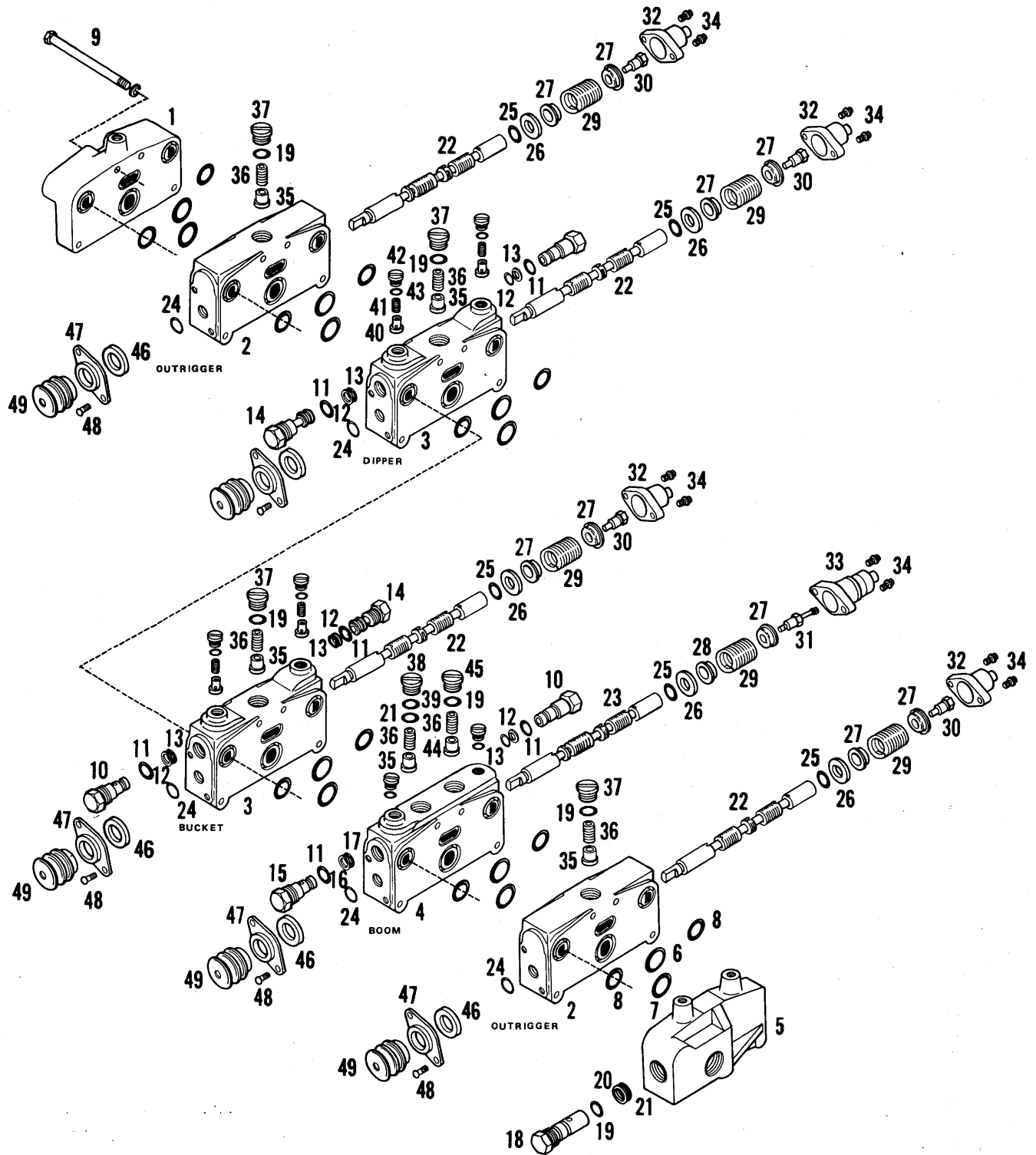
209

CONTROL VALVE  
BACKHOE

ITEM	NUMBER	QTY.	DESCRIPTION
—	-----	—	VALVE ASY., control
1	1001617-8	1	PLATE, end
2	1001733-3	2	VALVE SECTION, outrigger
3	1001734-1	2	VALVE SECTION, dipper & bucket
4	1001736-6	1	VALVE SECTION, boom
5	1001616-0	1	PLATE, port
6	-----	6	O-RING, 1-1/8 I.D. x 1/16 wide, 90 Duro (Not serviced)
7	0923987-2	6	O-RING, 1-3/8 I.D. x 1/16 wide, 90 Duro
8	0923989-8	12	O-RING, 1-1/8 I.D. x 1/16 wide
9	1000242-6	4	BOLT, tie, 3/8NC x 11-7/8
	0916965-7	4	LOCKWASHER, 3/8
10	1000807-6	3	VALVE ASY., relief (3000 PSI) (Incls. Items 11 thru 13)
11	0923849-4	6	O-RING, 13/16 I.D. x 3/32 wide
12	1135116-0	5	WASHER, backup
13	0923376-8	5	O-RING, 9/16 I.D. x 3/32 wide
14	1000759-9	2	PLUG ASY., relief valve cavity (Incls. Items 11 thru 13)
15	1000806-8	1	VALVE ASY., relief (2000 PSI) (Incls. Items 11 thru 13)
16	1000844-9	1	WASHER, backup
17	0923945-0	1	O-RING, 5/8 I.D. x 1/16 wide
18	2015527-1	1	PLUG ASY., relief valve cavity (Incls. Items 19 thru 21)
19	0923566-4	6	O-RING, 7/8 I.D. x 3/32 wide
20	0926612-3	1	WASHER, backup
21	0923988-0	2	O-RING, 15/16 I.D. x 3/32 wide
22	-----	4	SPOOL ASY. (Not serviced separately)
23	-----	1	SPOOL ASY. (Not serviced separately)
24	0934894-7	5	O-RING, 3/4 I.D. x 1/8 wide, 50 Duro
25	0923719-9	5	O-RING, 3/4 I.D. x 3/32 wide
26	1000762-3	5	RETAINER, o-ring
27	1000761-5	9	WASHER, spool, deep
28	1000814-2	1	WASHER, spool, deep
29	1000249-1	5	SPRING, centering
30	0349937-3	4	SCREW, spool
31	1000815-9	1	SCREW, spool
32	1000817-5	4	CAP ASY., spool
33	1002479-2	1	CAP ASY., spool
34	1000767-2	10	CAPSCREW, 1/4NF x 7/8 12 pt.
35	1000765-6	5	PLUNGER, lift check
36	1000764-9	6	SPRING, lift check
37	1001907-3	4	PLUG ASY., lift check (Incls. Item 19)
38	1000813-4	1	PLUG ASY., lift check (Incls. Items 21 & 39)
39	0926612-3	1	WASHER, backup
40	1000818-3	4	PLUNGER, anti-cavity

Continued

CONTROL VALVE  
BACKHOE





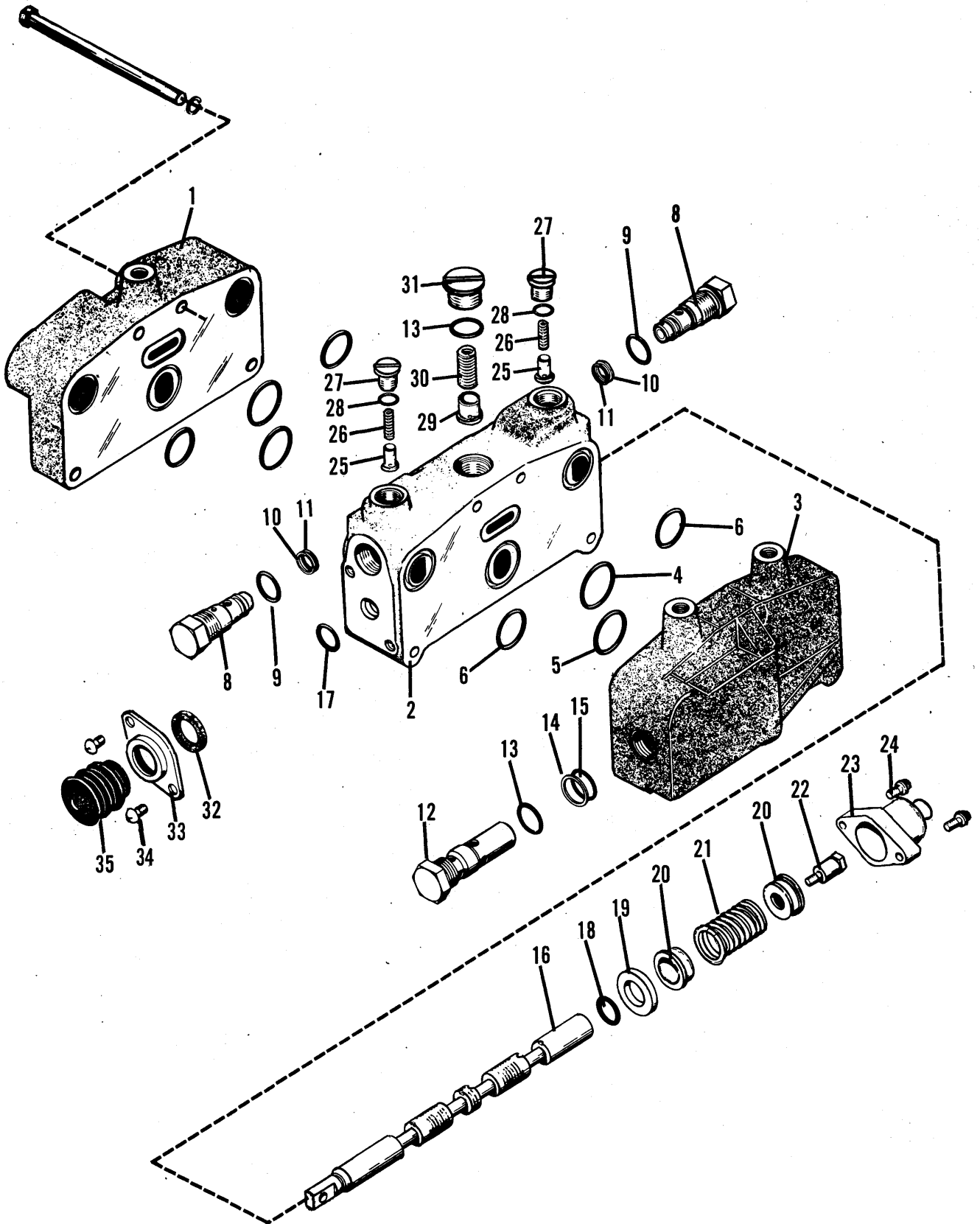
816 & 816B TRACTORS  
HYDRAULIC SYSTEM

211

CONTROL VALVE  
BACKHOE

ITEM	NUMBER	QTY.	DESCRIPTION
41	4996404-2	4	SPRING, anti-cavity
42	4996409-1	6	PLUG ASY., anti-cavity (Incls. Item 43)
43	0923565-6	1	O-RING, 1/2 I.D. x 3/32 wide
44	1000812-6	1	PLUNGER, anti-cavity
45	1002153-3	1	PLUG ASY. (Incls. Item 19)
46	-----	5	WASHER, breather
47	-----	5	RETAINER, dust seal
48	-----	10	SCREW, machine
49	-----	5	SEAL, dust
-	1002580-7	-	SEAL KIT, dust
-	1001780-4	1	REPAIR KIT, port plate
-	1000819-1	2	REPAIR KIT, seal (For VALVE 1001734)
-	1002154-1	1	PLUG ASY. (Incl. O-RING)
-	0923663-9	1	O-RING
-	1000799-5	1	REPAIR KIT, between section
-	0923663-9	1	O-RING
-	0923987-2	6	O-RING
-	0923989-8	12	O-RING
-	-----	6	O-RING (Not serviced)
-	1000800-1	1	REPAIR KIT, major seal, backhoe valve
-	1000799-5	1	REPAIR KIT, between section
-	1000819-1	2	REPAIR KIT, seal
-	1000820-9	2	REPAIR KIT, seal
-	1000821-7	1	REPAIR KIT, seal
-	1001780-4	1	REPAIR KIT, port plate
-	1000820-9	2	REPAIR KIT, seal (For VALVE 1001733)
-	0923566-4	1	O-RING
-	0923719-9	1	O-RING
-	0923894-0	1	O-RING
-	1000821-7	2	REPAIR KIT, seal (For VALVE 1001736)
-	0923376-8	1	O-RING
-	0923565-6	2	O-RING
-	0923566-4	1	O-RING
-	0923719-9	1	O-RING
-	0923849-4	2	O-RING
-	0923945-0	1	O-RING
-	0923988-0	1	O-RING
-	0926612-3	1	WASHER, backup
-	0934894-7	1	O-RING
-	1000844-9	1	WASHER, backup
-	1135116-0	1	WASHER, backup

CONTROL VALVE, SWING  
BACKHOE



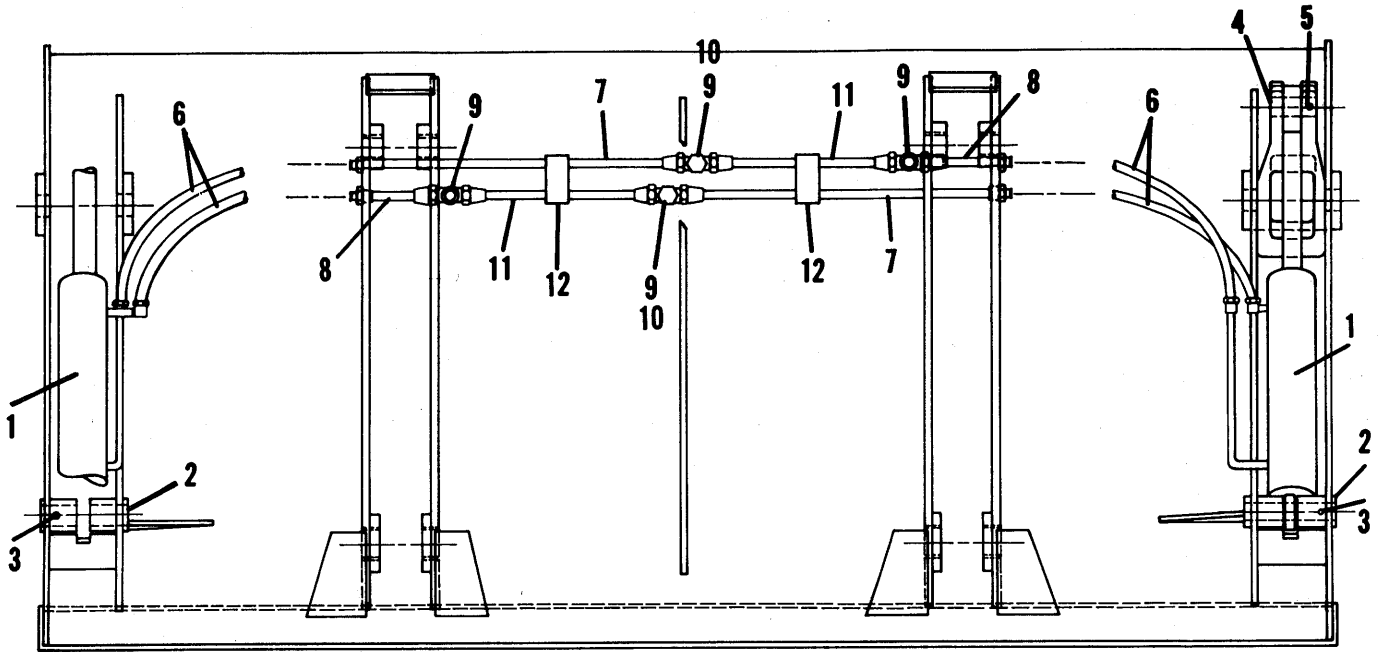
816 & 816B TRACTORS  
HYDRAULIC SYSTEM

213

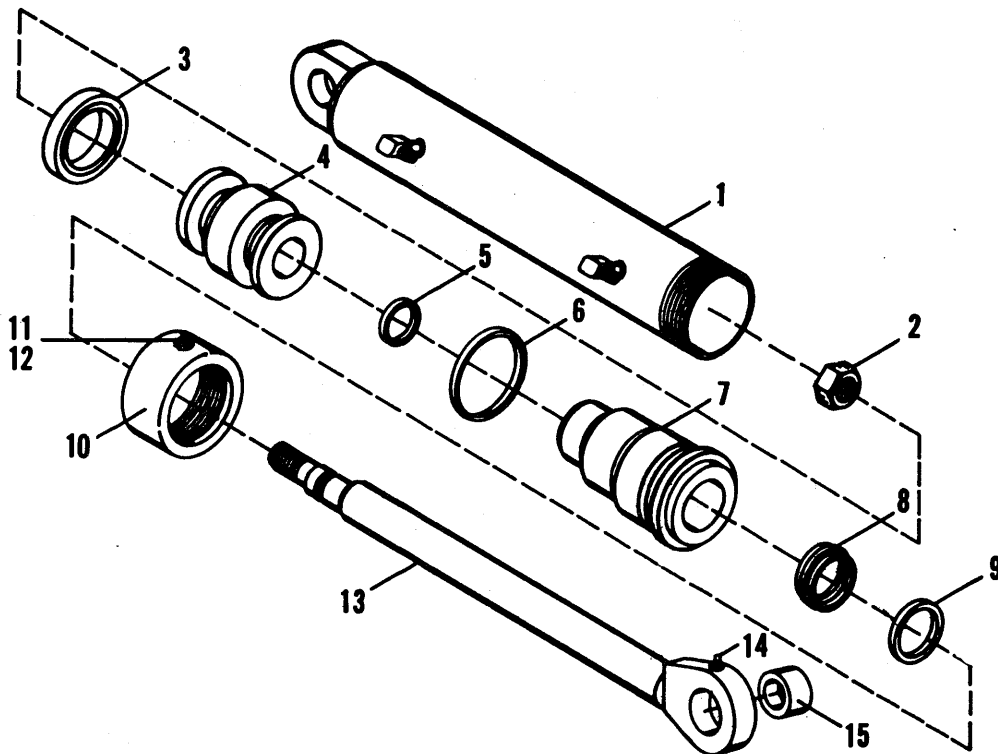
CONTROL VALVE, SWING  
BACKHOE

ITEM	NUMBER	QTY.	DESCRIPTION
-	-----	1	VALVE ASY., backhoe control
1	1001621-0	1	PLATE, end
2	1001735-8	1	VALVE SECTION
3	1001620-2	1	PLATE, port
4	-----	2	O-RING, 1-1/8 I.D. x 1/16 wide, 90 Duro (Not serviced)
5	0923987-2	2	O-RING, 1-3/8 I.D. x 1/16 wide, 90 Duro
6	0923989-8	4	O-RING, 1-1/8 I.D. x 1/16 wide
7	1000241-8	4	BOLT, tie, 3/8NC x 3-7/8
	0916965-7	4	LOCKWASHER, 3/8
8	1000807-6	2	VALVE ASY., relief (3000 PSI) (Incl. Items 9 thru 11)
9	0923849-4	2	O-RING, 13/16 I.D. x 3/32 wide
10	1135116-0	2	WASHER, backup
11	0923376-8	2	O-RING, 9/16 I.D. x 3/32 wide
12	2017738-2	1	VALVE ASY., relief (2250 PSI) (Incl. Item 13)
13	0923566-4	2	O-RING, 7/8 I.D. x 3/32 wide
14	0926612-3	1	WASHER, backup
15	0923988-0	1	O-RING, 15/32 I.D. x 3/32 wide
16	-----	1	SPOOL ASY. (Not serviced separately)
17	0934894-7	1	O-RING, 3/4 I.D. x 1/8 wide, 50 Duro
18	0923719-9	1	O-RING, 3/4 I.D. x 3/32 wide, 50 Duro
19	1000762-3	1	RETAINER
20	1000761-5	2	WASHER, deep
21	1000249-1	1	SPRING, spool, center
22	0349937-3	1	SCREW, spool
23	1000817-5	1	CAP ASY.
24	1000767-2	2	CAPSCREW, 1/4NF x 7/8, 12 pt.
25	1000818-3	2	PLUNGER, anti-cavity
26	4996404-2	2	SPRING, anti-cavity
27	4996409-1	2	PLUG ASY., anti-cavity (Incls. Item 28)
28	0923565-6	2	O-RING, 1/2 I.D. x 3/32 wide
29	1000765-6	1	PLUNGER, lift check
30	1000764-9	1	SPRING, lift check
31	1001907-3	1	PLUG ASY., lift check (Incl. Item 13)
32	-----	1	WASHER, breather
33	-----	1	RETAINER, dust seal
34	-----	2	SCREW, machine
35	-----	1	SEAL, dust
-	1002580-7	-	SEAL KIT, dust
-	1001780-4	1	REPAIR KIT, port plate
-	1000819-1	1	REPAIR KIT, seal (For 1001735 SECTION)
-	1000801-9	1	REPAIR KIT, between section
	0923987-2	2	O-RING
	0923989-8	4	O-RING
	-----	2	O-RING (Not serviced)
-	1000802-7	1	REPAIR KIT, major seal, backhoe swing
	1000801-9	1	REPAIR KIT, between section
	1000819-1	1	REPAIR KIT, seal
	1001780-4	1	REPAIR KIT, port plate

MOLDBOARD, REAR VIEW  
4-IN-1 BUCKET



CYLINDER ASY., BUCKET  
4-IN-1 BUCKET



816 & 816B TRACTORS  
HYDRAULIC SYSTEM

215

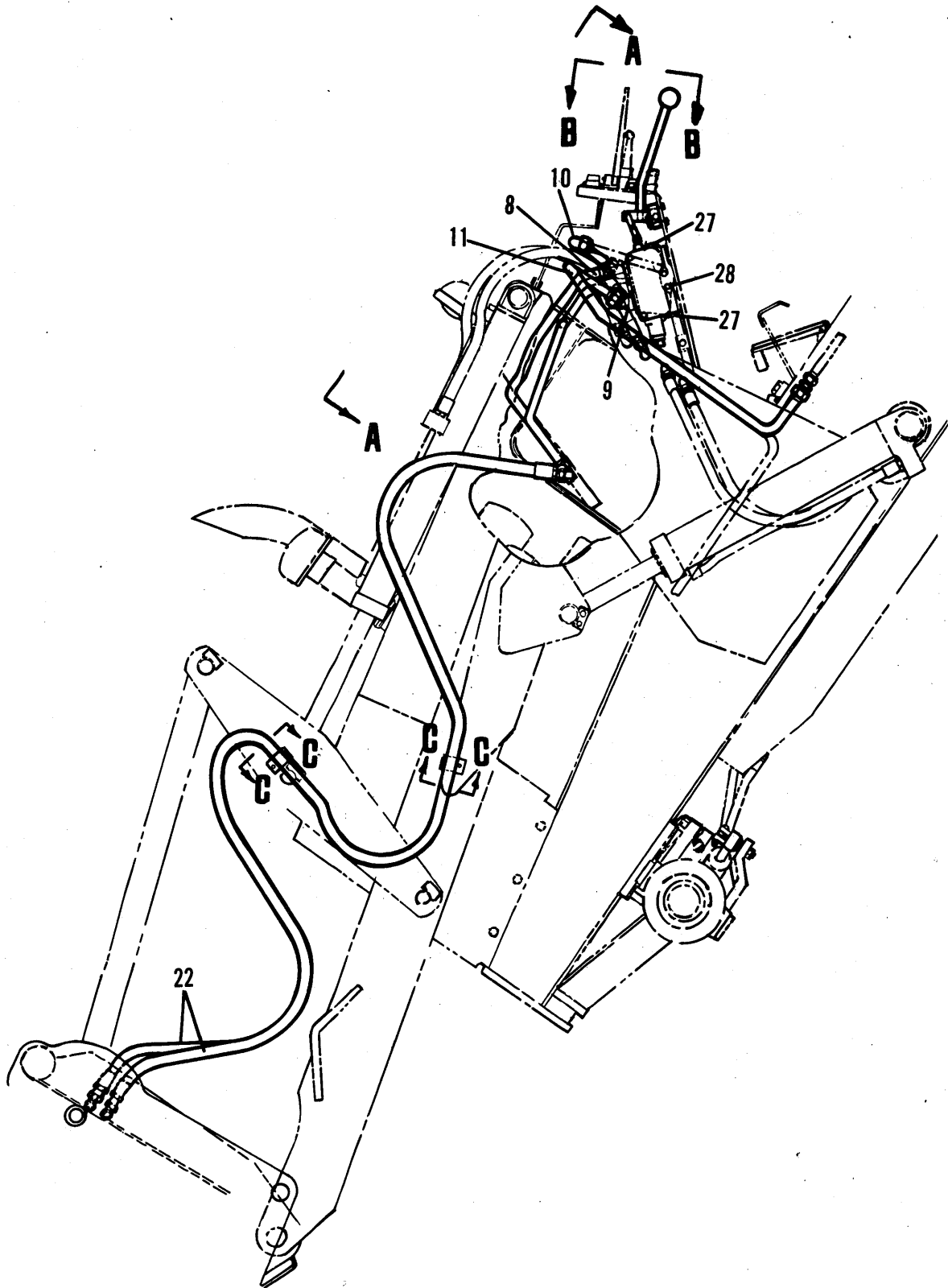
MOLDBOARD, REAR VIEW  
4-IN-1 BUCKET

ITEM	NUMBER	QTY.	DESCRIPTION
1	----	2	CYLINDER ASY.
2	1005437-7	2	PIN, cylinder base
3	1005436-9	2	PIN, clevis
	0918452-4	2	PIN, cotter
4	1016350-9	2	PIN, cylinder to clam
5	1005440-1	2	PIN, clevis
	0918452-4	2	PIN, cotter
6	1005434-4	4	HOSE ASY.
7	1005339-5	2	TUBE ASY.
8	1005360-1	2	TUBE ASY.
9	0921141-8	4	TEE, union, 5/8 tube
10	0923002-0	2	CAP, 5/8 tube
11	1005340-3	2	TUBE ASY.
12	1005435-1	2	CLAMP

CYLINDER ASY., BUCKET  
4-IN-1 BUCKET

ITEM	NUMBER	QTY.	DESCRIPTION
-	1005438-5	2	CYLINDER ASY. (Use 1016110)
1	1005444-3	1	TUBE ASY.
2	1005445-0	1	NUT
3	0930331-4	2	SEAL, u-cup
4	1005447-6	1	PISTON
5	0923945-0	1	O-RING
6	0923829-6	1	O-RING
7	1005450-0	1	HEAD
8	0930328-0	1	SEAL, u-cup
9	2014684-1	1	SEAL, wiper lip
10	1005453-4	1	CAP, head
11	0915794-2	1	SETSCREW
12	1005455-9	1	PLUG, nylon
13	1005456-7	1	ROD ASY.
14	0914465-0	1	FITTING, lube
15	0253042-6	1	BUSHING

3RD SPOOL CONTROL & HYDRAULIC GROUP  
4-IN-1 BUCKET - FIELD INSTALLATION



816 & 816B TRACTORS  
HYDRAULIC SYSTEM

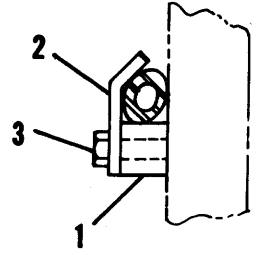
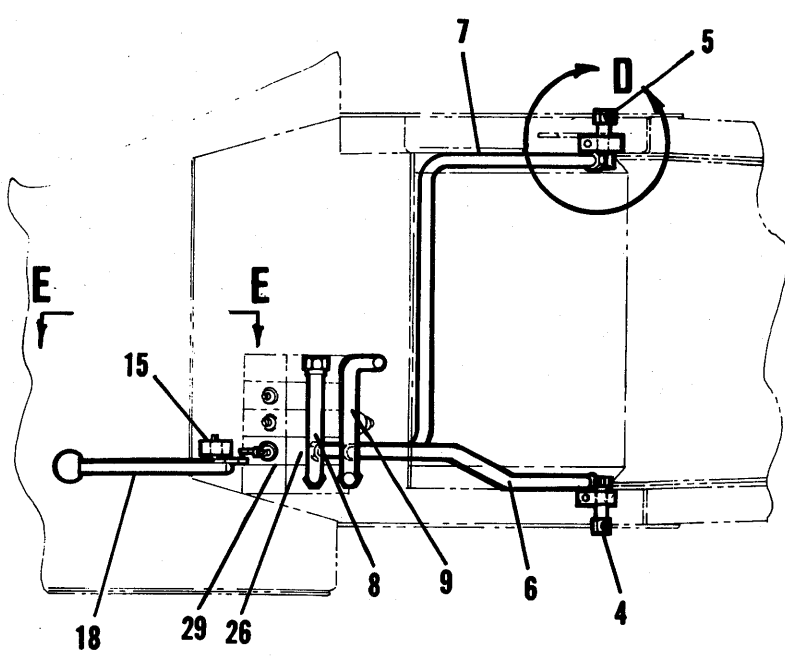
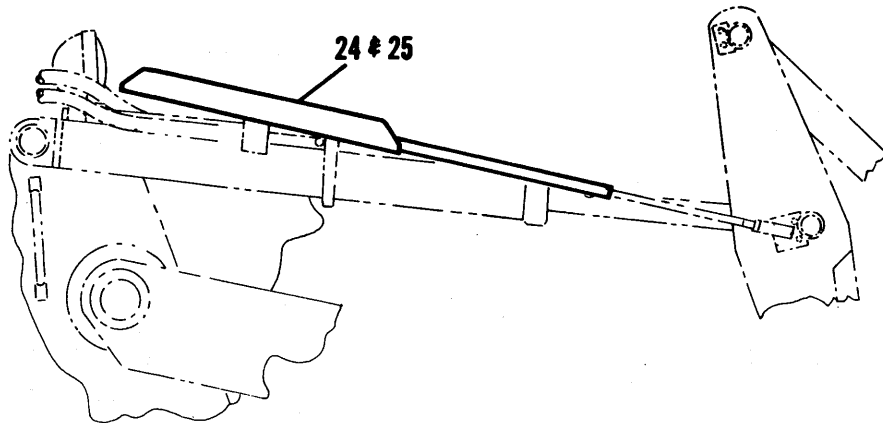
217

3RD SPOOL CONTROL & HYDRAULIC GROUP  
4-IN-1 BUCKET – FIELD INSTALLATION

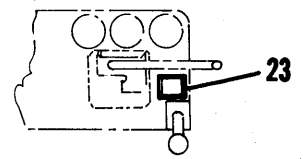
ITEM	NUMBER	QTY.	DESCRIPTION
1	1007287-4	4	BLOCK, tapping
2	1007288-2	4	CLAMP
3	0927187-5	4	CAPSCREW, taptite, 3/8NC x 1
4	1007294-0	1	TUBE ASY., valve, front right
5	1007293-2	1	TUBE ASY., valve, front left
6	1007292-4	1	TUBE ASY., valve, rear right
7	1007291-6	1	TUBE ASY., valve, rear left
8	0921217-6	1	CONNECTOR, str. thrd., 3/4 tube x 3/4 (Incl. O-RING)
	0921206-9	1	O-RING
9	0921728-2	1	ELBOW, 45°, adj., str. 3/4 tube x 3/4 (Incl. O-RING)
	0921206-9	1	O-RING
10	1006614-0	1	TUBE ASY., sump valve to tee
11	1006619-9	1	TUBE ASY., power beyond valve to B.H. valve, front
12	1006651-2	2	CLAMP (Welded to right & left Main Frame upright) (Not shown)
13	1006269-3	2	CLAMP
	0243532-9	2	CUSHION
14	0921971-8	2	CAPSCREW, 3/8NC x 1-3/4, Gr. 5
	0916965-7	2	LOCKWASHER, 3/8
15	1006261-0	1	BLOCK, pivot
16	0921210-1	2	CAPSCREW, 3/8NC x 1, Gr. 5
	0916965-7	2	LOCKWASHER, 3/8
17	0269529-4	2	BUSHING
18	1007284-1	1	LEVER ASY., 4-in-1 bucket
	0243416-5	1	KNOB, lever
	0918448-2	1	PIN, cotter
19	1006225-5	1	JOINT, ball
	0917853-4	1	NUT, 3/8NF
20	1006814-6	1	ROD, control
	0918403-7	1	NUT, jam, 3/8NF

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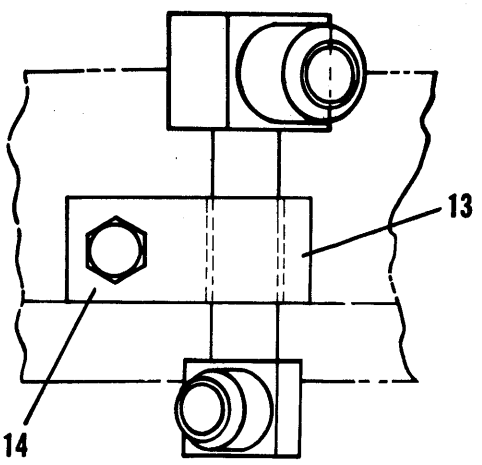
3RD SPOOL CONTROL & HYDRAULIC GROUP  
4-IN-1 BUCKET - FIELD INSTALLATION  
(CONTINUED)



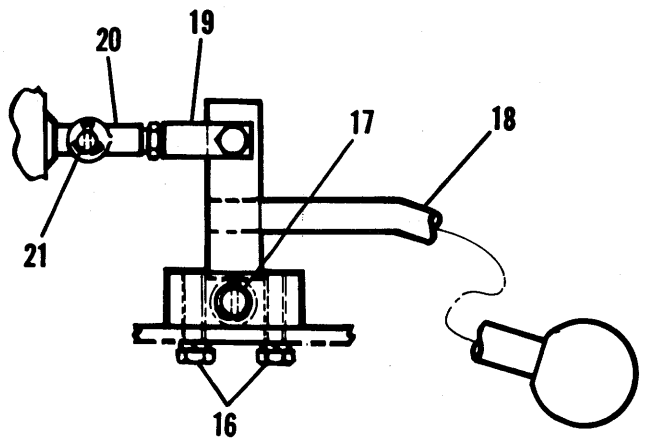
SECTION C-C



SECTION B-B



SECTION D-D



SECTION E-E



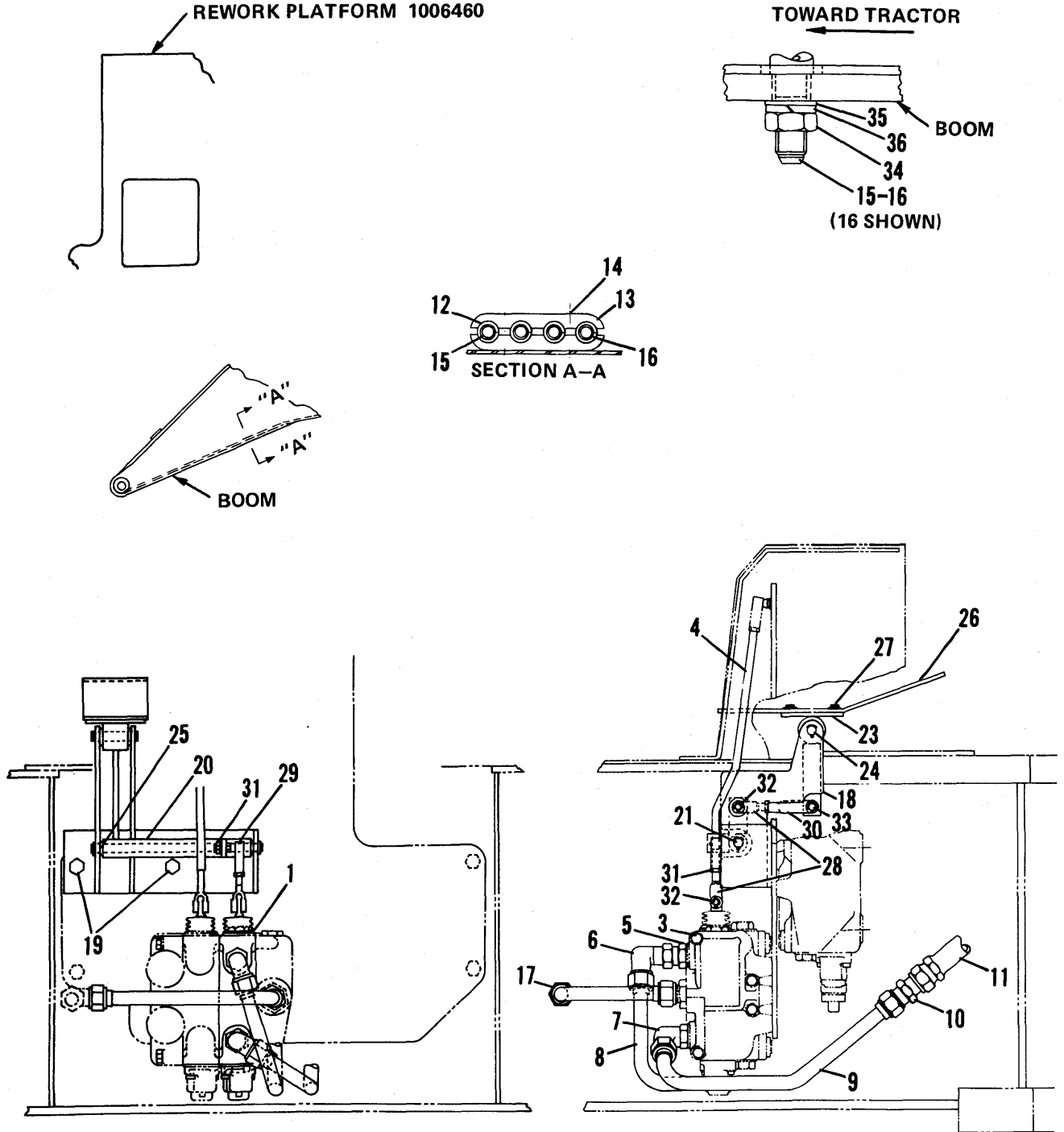
816 & 816B TRACTORS  
HYDRAULIC SYSTEM

219

3RD SPOOL CONTROL & HYDRAULIC GROUP  
4-IN-1 BUCKET – FIELD INSTALLATION  
(CONTINUED)

ITEM	NUMBER	QTY.	DESCRIPTION
21	0923093-9	1	PIN, yoke
	0918448-2	1	PIN, cotter
22	1007290-8	2	HOSE ASY., 1/2 x 144"
23	1007295-7	1	DECAL (4-In-1 Operation Instructions)
24	1007300-5	1	GAUGE ASY.
25	1007303-9	1	DECAL (4-In-1 Bucket group)
26	1001734-1	1	SECTION, valve
27	1000806-8	2	VALVE, relief (2000 PSI)
28	1000891-0	4	BOLT, tie
29	1000886-0	1	SEAL KIT (For 3rd Spool addition)
	0923987-2	1	O-RING
	0923989-8	2	O-RING
	-----	1	O-RING (Not serviced)

AUXILIARY BACKHOE VALVE GROUP  
(FOOT OPERATED)



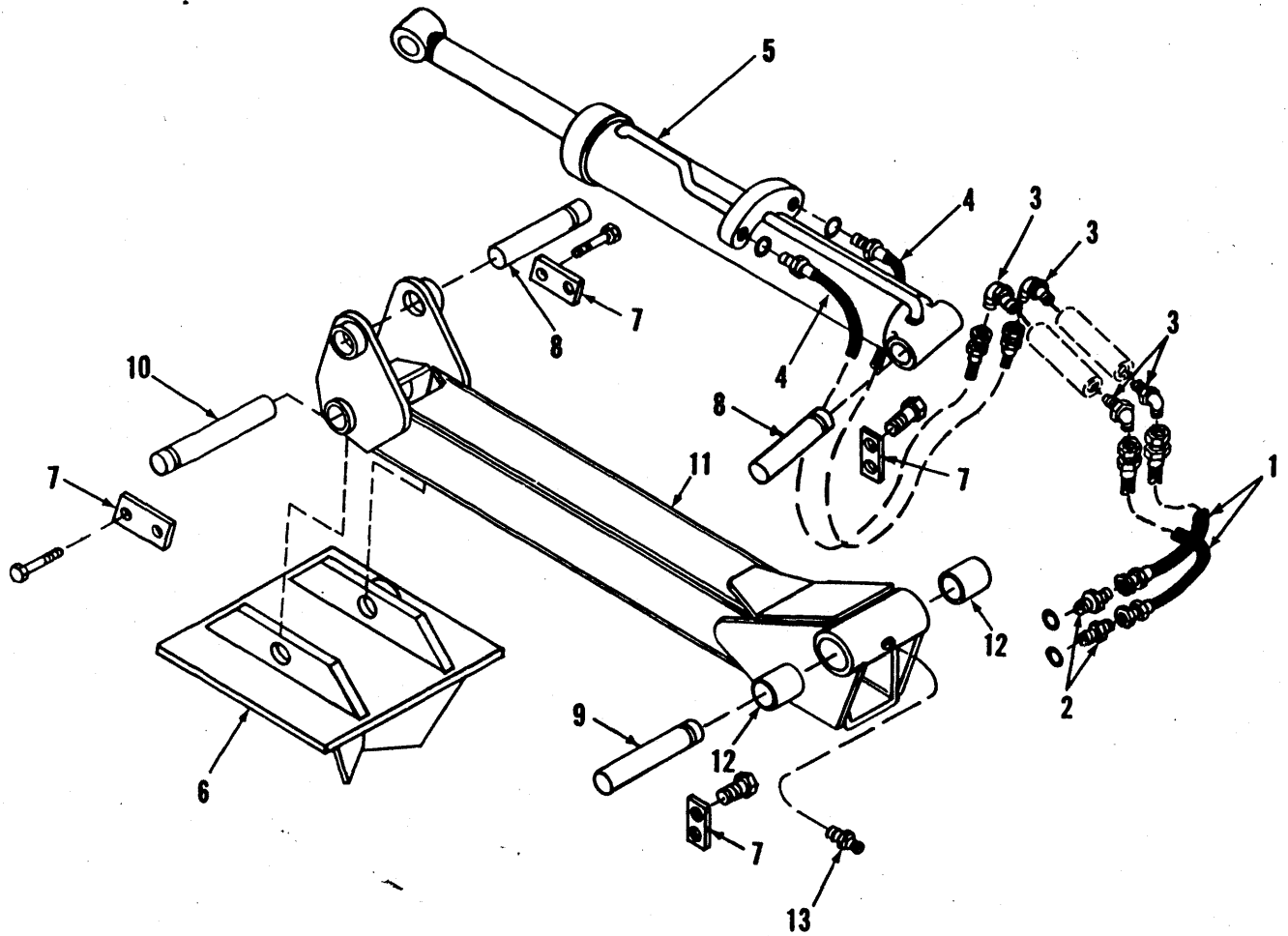
816 & 816B TRACTORS  
HYDRAULIC SYSTEM

221

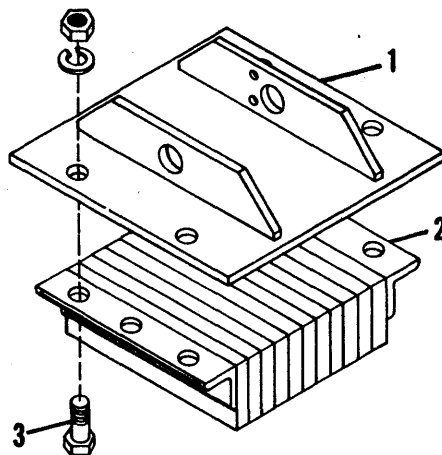
AUXILIARY BACKHOE VALVE GROUP  
(FOOT OPERATED)

ITEM	NUMBER	QTY.	DESCRIPTION
1	1001734-1	1	VALVE, section
2	1000807-6	2	VALVE, relief (3000 PSI)
3	1000204-6	4	BOLT, tie
—	1000886-0	1	SEAL KIT
4	1008855-7	1	ROD ASY., swing control
5	0921217-6	1	CONNECTOR (Incl. O-RING)
	0921206-9	1	O-RING
6	0919624-7	1	ELBOW, 90°, swivel nut
7	0921203-6	1	ELBOW, 90°, adjustable (Incl. O-RING)
	0921206-9	1	O-RING
8	1008857-3	1	TUBE ASY., top valve to boom
9	1008858-1	1	TUBE ASY., bottom valve to boom
10	0919267-5	2	UNION
11	1002048-5	2	HOSE ASY.
12	1008859-9	4	CUSHION
13	3044152-1	2	CLAMP
14	0921973-4	2	CAPSCREW
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
15	1008895-3	1	TUBE ASY., optional boom, L.H.
16	1008896-1	1	TUBE ASY., optional boom, R.H.
17	1008917-5	1	TUBE ASY., pump to swing valve, rear
18	1009718-6	1	SUPPORT ASY., valve spool linkage
19	0921176-4	2	CAPSCREW
20	1009725-1	1	LEVER ASY., valve linkage
21	1009734-3	1	SHAFT, valve linkage
22	0918452-4	4	PIN, cotter
23	1009735-0	1	SUPPORT ASY., foot pedal
24	1009739-2	1	SHAFT, foot pedal
25	0269529-4	4	BUSHING
26	0100821-8	1	PEDAL, foot
27	0916277-7	4	CAPSCREW
28	1006814-6	2	ROD, control
29	0925041-6	1	JOINT, ball
30	0917664-5	1	YOKE, end, adjustable rod
31	0918403-7	3	NUT, jam
32	0923093-9	2	PIN, clevis
	0918448-2	2	PIN, cotter
33	0923087-1	1	PIN, clevis
	0918448-2	1	PIN, cotter
34	0920439-7	2	NUT, jam
35	0919391-3	2	WASHER
36	0919426-7	2	LOCKWASHER

STABILIZER & HYDRAULICS



STABILIZER STREET PAD



816 & 816B TRACTORS  
BACKHOE

223

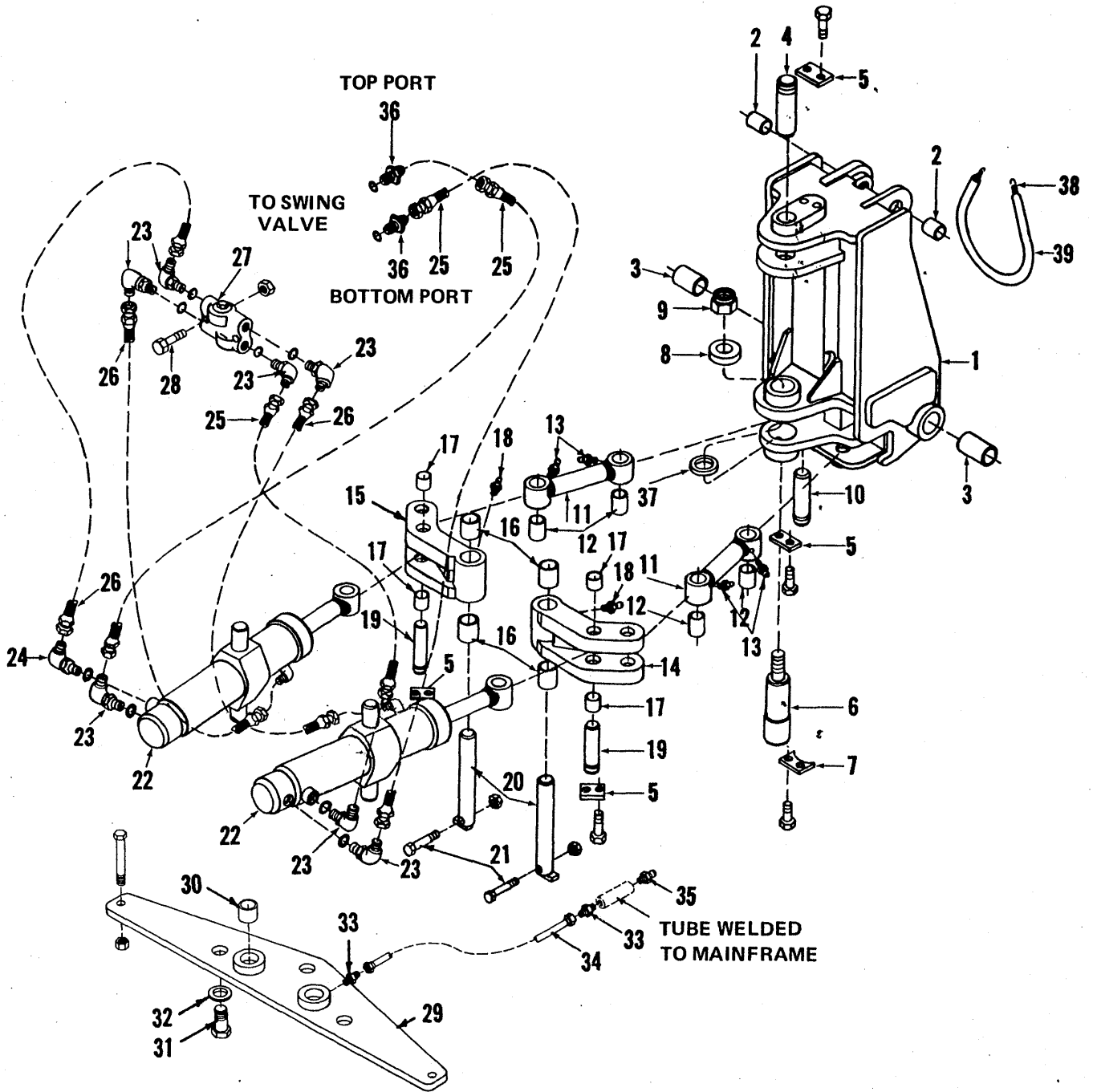
STABILIZER & HYDRAULICS

ITEM	NUMBER	QTY.	DESCRIPTION
1	2018380-2	4	HOSE ASY.
2	0924296-7	4	CONNECTOR (Incls. O-RING)
	0921206-9	4	O-RING
3	0921402-4	8	ELBOW, 90° (Incls. LOCKNUT & O-RING)
	0923412-1	8	LOCKNUT
	0921349-7	8	O-RING
4	1006290-9	4	HOSE ASY. (Incls. O-RING)
	0921349-7	4	O-RING
5	-----	2	CYLINDER, stabilizer (Refer to STABILIZER CYL. ASY. for component parts)
6	1006291-7	2	PAD, stabilizer
7	1004118-4	8	PLATE, retaining, pin
	0927187-5	6	CAPSCREW
8	1006287-5	4	PIN, pivot, stabilizer cylinder
9	1006288-3	2	PIN, stabilizer pivot
10	1006286-7	2	PIN, pivot, stabilizer pad
11	1007357-5	2	STABILIZER ASY. (Incls. 2 of Item 12)
12	1004101-0	4	BUSHING
13	0915276-0	2	FITTING, lube

STABILIZER STREET PAD

ITEM	NUMBER	QTY.	DESCRIPTION
1	1002258-0	2	PAD, street
2	1000856-3	2	PAD, rubber
3	0923292-7	8	CAPSCREW
	0919332-7	8	LOCKWASHER, 3/4
	0913160-8	8	NUT, 3/4NC

SWING FRAME & CYLINDERS



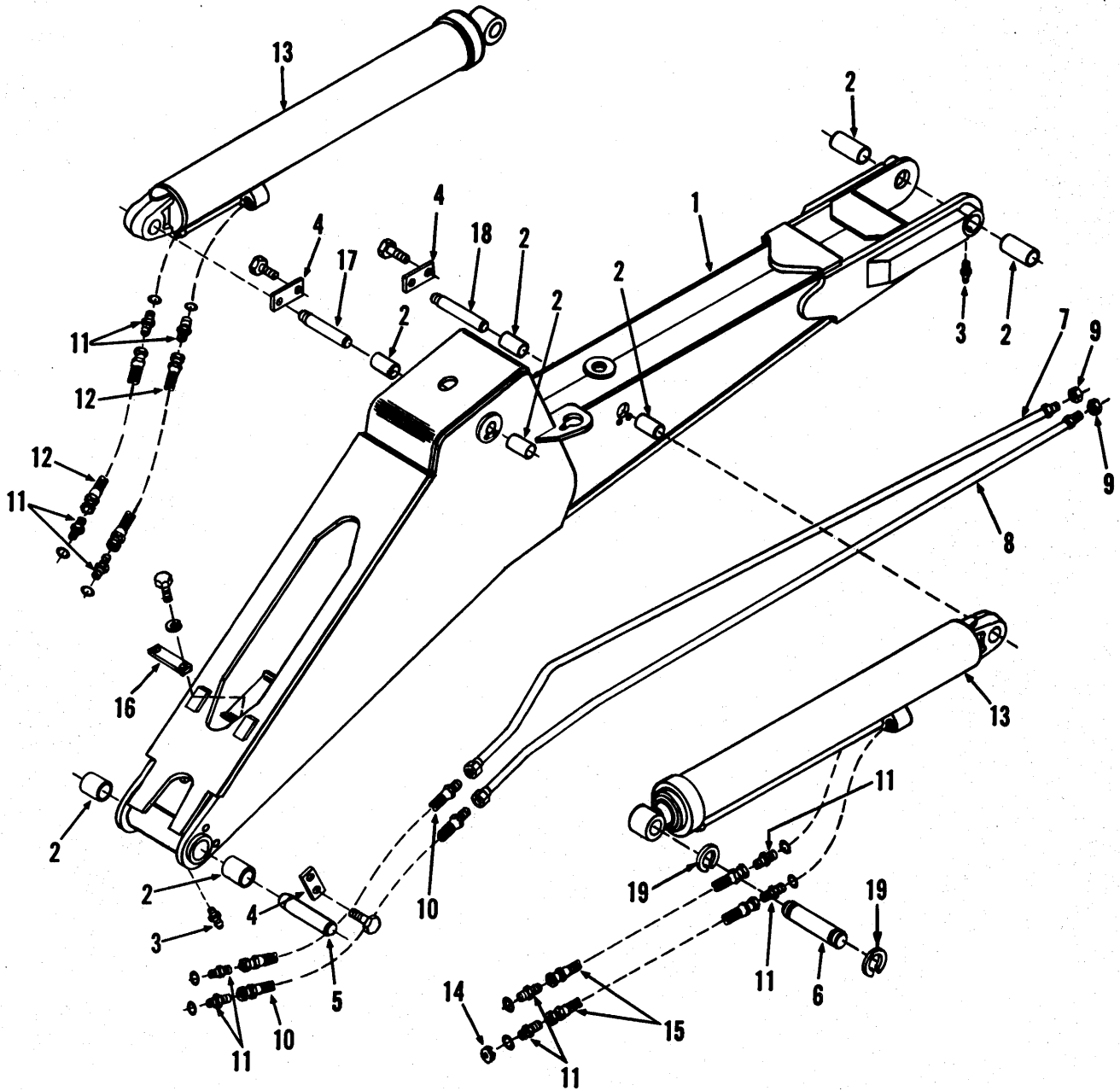
816 & 816B TRACTORS  
BACKHOE

225

SWING FRAME & CYLINDERS

ITEM	NUMBER	QTY.	DESCRIPTION
1	1007367-4	1	FRAME ASY., swing (Incls. Items 2 & 3)
2	1001115-3	2	BUSHING
3	1004100-2	2	BUSHING
4	1001775-4	1	KING PIN, top
5	1004118-4	7	PLATE, retaining, pin
	0927187-5	4	CAPSCREW
6	1006685-0	1	KING PIN, bottom
7	1006682-7	1	PLATE, retaining, king pin
	0927187-5	2	CAPSCREW
8	1006686-8	1	WASHER
9	0917776-7	1	NUT
10	1006683-5	2	PIN
11	1002393-5	2	LINK, swing (Incls. 2 each of Items 12 & 13)
12	2018394-3	4	BUSHING
13	0914465-0	4	FITTING, lube
14	1002822-3	1	SWING ARM, R.H. (Incl. 1 of Item 18 & 2 of Item 16)
15	1002823-1	1	SWING ARM, L.H. (Incl. 1 of Item 18 & 2 of Item 16)
16	2018402-4	4	BUSHING
17	1001199-7	8	BUSHING
18	0914465-0	2	FITTING, lube
19	1001217-7	4	PIN, swing arm
20	1001214-4	2	PIN, swing arm
21	0920611-1	2	CAPSCREW
	0917853-4	2	NUT
22	-----	2	CYLINDER, swing (Refer to SWING CYL. ASY. for component parts)
23	0921402-4	7	ELBOW, 90° (Incls. O-RING & LOCKNUT)
	0921349-7	7	O-RING
	0923412-1	7	LOCKNUT
24	0922507-9	1	ELBOW, 45° (Incls. O-RING & LOCKNUT)
	0921349-7	7	O-RING
	0923412-1	7	LOCKNUT
25	2018380-2	3	HOSE ASY.
26	1000393-7	3	HOSE ASY.
27	-----	1	VALVE, relief, dual (Refer to DUAL RELIEF VALVE ASY. for component parts)
28	0921719-1	2	CAPSCREW
	0917356-8	2	LOCKWASHER, 5/16
	0917372-5	2	NUT, 5/16NC
29	1007745-1	1	PLATE ASY., trunnion mount (Incl. Item 30)
	0914465-0	2	FITTING, lube
	0923901-3	2	CAPSCREW
	0910923-2	2	NUT
30	2018402-4	2	BUSHING
31	0923495-6	3	CAPSCREW
32	1006635-5	3	WASHER
33	0910126-2	4	CONNECTOR
34	1006352-7	2	TUBE, lube
35	0914465-0	2	FITTING, lube
36	0924296-7	2	CONNECTOR (Incls. O-RING)
	0921206-9	2	O-RING
37	1043997-4	1	WASHER, thrust (Refer to MAIN FRAME group)
38	1000889-4	1	SPRING
39	1000890-2	1	COVER, spring

BOOM & HYDRAULICS





816 & 816B TRACTORS  
BACKHOE

227

BOOM & HYDRAULICS

ITEM	NUMBER	QTY.	DESCRIPTION
1	1002590-6	1	BOOM ASY. (Incls. Items 2 & 3)
2	1004100-2	8	BUSHING
3	0914465-0	3	FITTING, lube
4	1004118-4	3	PLATE, retaining, pin
	0927187-5	6	CAPSCREW
5	1001204-5	1	PIN, pivot, boom
6	1002592-2	1	PIN, pivot
7	1043675-6	1	TUBE ASY., R.H.
8	1044262-2	1	TUBE ASY., L.H.
9	0906909-7	2	NUT
10	1002048-5	2	HOSE ASY.
11	0921217-6	10	CONNECTOR (Incls. O-RING)
	0921206-9	10	O-RING
12	1001248-2	2	HOSE ASY.
13	-----	2	CYLINDER ASY., boom & dipperstick (Refer to BOOM & DIPPERSTICK ASY. for component parts)
14	2018964-3	1	PLATE, orifice
15	1001247-4	2	HOSE ASY.
16	1001202-9	1	BAR, clamp
	0921333-1	2	CAPSCREW
	0917356-8	2	LOCKWASHER, 5/16
17	1001201-1	1	PIN, dipper cylinder
18	1001203-7	1	PIN, boom cylinder
19	0927751-8	2	RING, snap



# PARTS/SERVICE BULLETIN

IS-413

Mar., 19, 1975

SUBJECT: BACKHOE GUIDE LINK

MODEL: 816 Loader/Backhoe

PURPOSE: Product Improvement

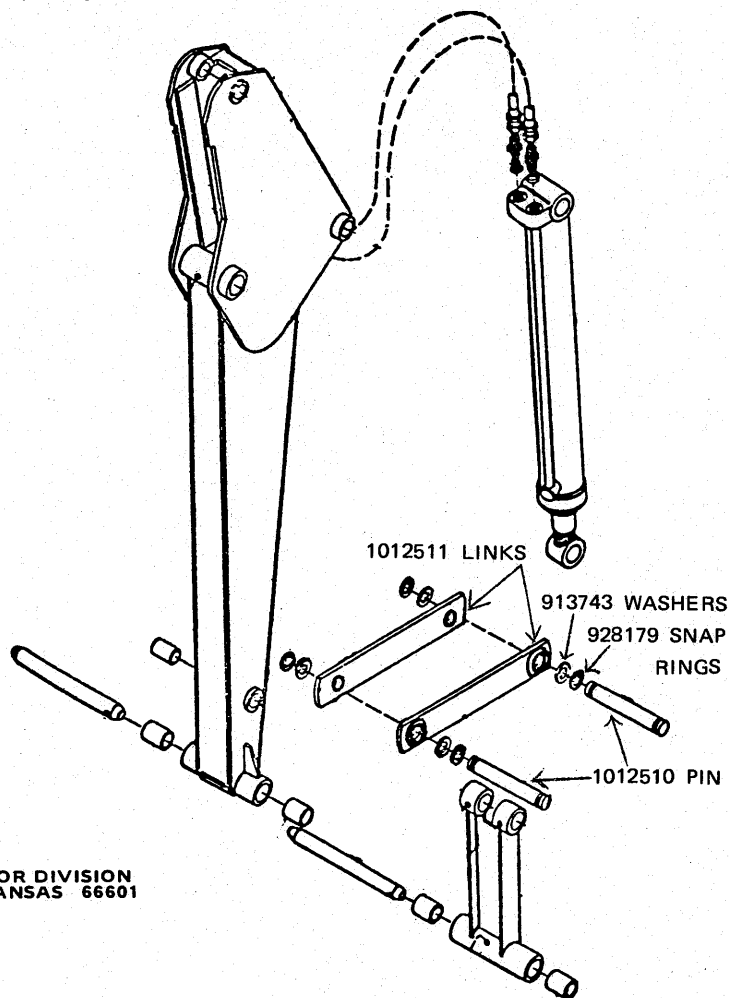
As shown below, a new backhoe guide link assembly has been released for service parts. This new assembly consists of:

two	(2)	Guide Links	Part Number 1012511
two	(2)	Guide Link Pins	Part Number 1012510
four	(4)	Snap Rings	Part Number 928179
four	(4)	Washers	Part Number 913743

This floating type guide link assembly supersedes Guide Link Assembly No. 1001662.

This product improvement was incorporated into production on 816 Loader/Backhoes, unit Serial Number 2807 and up.

The new guide links--Part Number 1012511, pins--Part Number 1012510, snap rings--Part Number 928179 and washers--Part Number 913743, which make up the guide link assembly, are available for service parts requirements and should be ordered from Parts Division.



INDUSTRIAL TRACTOR PARTS/SERVICE DEPARTMENT



INDUSTRIAL TRACTOR DIVISION  
Box 521 - TOPEKA, KANSAS 66601



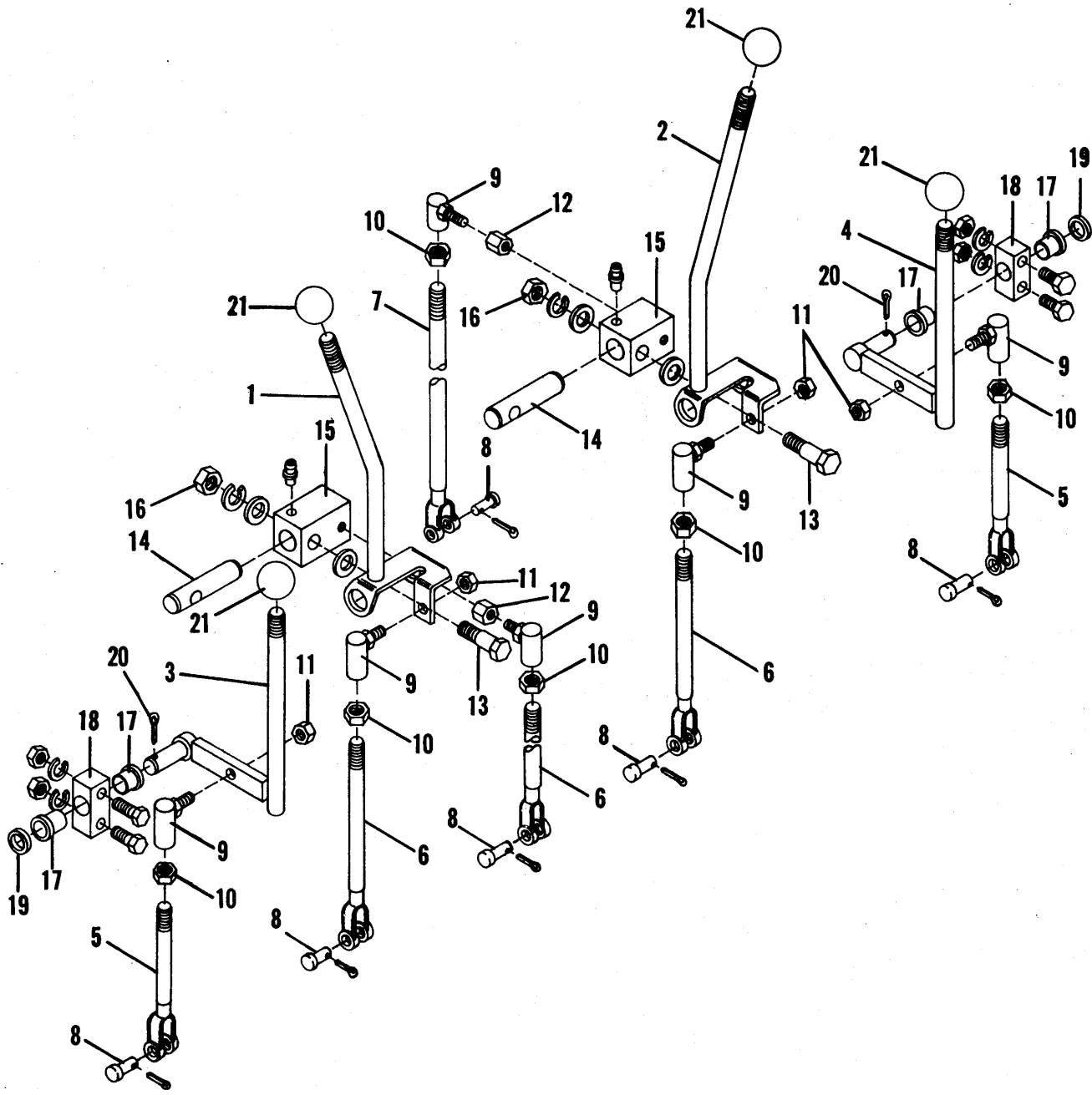
816 & 816B TRACTORS  
BACKHOE

229

DIPPERSTICK & HYDRAULICS

ITEM	NUMBER	QTY.	DESCRIPTION
1	1010406-5	1	DIPPERSTICK ASY. (Incls. Items 2 thru 6)
	1002474-3	2	PLATE, reinforcing
	1002473-5	2	PLATE, reinforcing
	1043617-8	1	TUBE, pivot, bucket
2	2018393-5	4	BUSHING
3	1004100-2	2	BUSHING
4	1001137-7	2	BUSHING
5	1001115-3	2	BUSHING
6	0914465-0	2	FITTING, lube
7	1004118-4	2	PLATE, retaining, pin
	0927187-5	4	CAPSCREW
8	0921326-5	2	CONNECTOR (Incls. O-RING)
	0921205-1	2	O-RING
9	-----	1	BUCKET CYLINDER (Refer to BUCKET CYLINDER ASY. for component parts)
10	2017948-7	2	HOSE ASY.
11	1001205-2	1	PIN, pivot, dipperstick
12	0900825-1	1	WASHER
13	0917835-1	1	NUT
14	1012511-0	2	GUIDE LINK ASY. (Incls. BUSHINGS)
	1001137-7	2	BUSHING
15	1012510-2	2	PIN, guide link
16	0922679-6	4	WASHER
17	0916423-7	2	CAPSCREW
	0915315-6	2	NUT
18	1043673-1	1	LINK ASY., bucket (Incls. Items 19 thru 21)
19	2018393-5	2	BUSHING
20	2018402-4	2	BUSHING
21	0914465-0	3	FITTING, lube
22	1001200-3	1	PIN, pivot, bucket cylinder
23	1001207-8	1	PIN, pivot, dipperstick cylinder
24	1001637-6	1	WASHER
25	1043086-6	2	PIN, bucket
26	0928179-1	4	RING, snap

BACKHOE CONTROLS



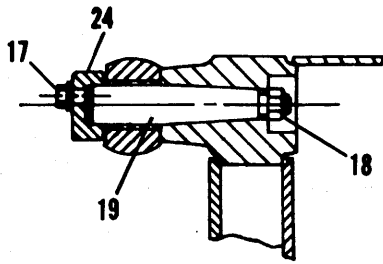
816 & 816B TRACTORS  
BACKHOE

231

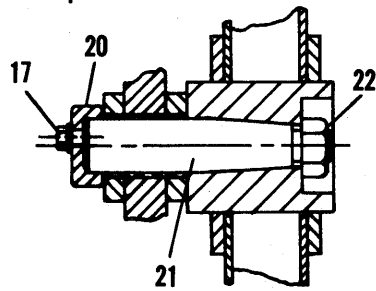
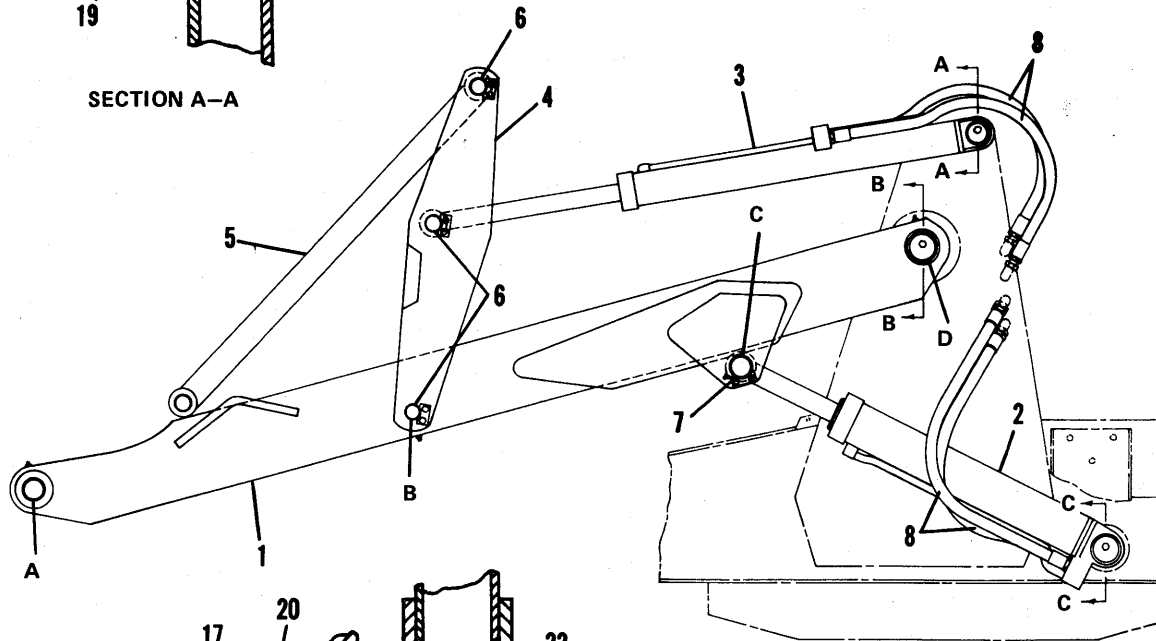
BACKHOE CONTROLS

ITEM	NUMBER	QTY.	DESCRIPTION
1	1006272-7	1	LEVER, R.H.
2	1006273-5	1	LEVER, L.H.
3	1006275-0	1	LEVER, stabilizer control, R.H.
4	1006274-3	1	LEVER, stabilizer control, L.H.
5	1006263-6	2	CONTROL ROD, stabilizer
6	1006262-8	3	CONTROL ROD
7	1006264-4	1	CONTROL ROD, swing valve
8	0923093-9	6	PIN, yoke
	0918448-2	1	PIN, cotter
9	1006225-5	6	JOINT, ball
10	0918403-7	6	NUT, jam
11	0917853-4	4	NUT
12	1006224-8	2	NUT, spacer
13	1007096-9	2	BOLT, pivot
14	1006222-2	2	PIN, pivot
15	1007263-5	2	BAR
	0913958-5	2	FITTING, grease
16	0916951-7	2	NUT, 1/2NC
	0916966-5	2	LOCKWASHER, 1/2
	0922086-4	4	WASHER
17	0269529-4	4	BUSHING
18	1006261-0	2	BLOCK, pivot
	0921210-1	4	CAPSCREW, 3/8NC x1
	0916965-7	4	LOCKWASHER, 3/8
19	0919327-7	2	WASHER
20	0918448-2	2	PIN, cotter
21	0243416-5	4	KNOB

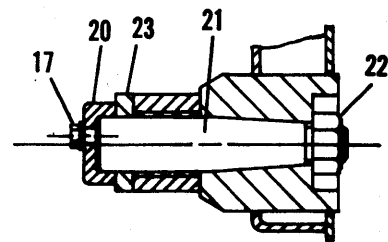
LOADER, LINKAGE & CYLINDERS



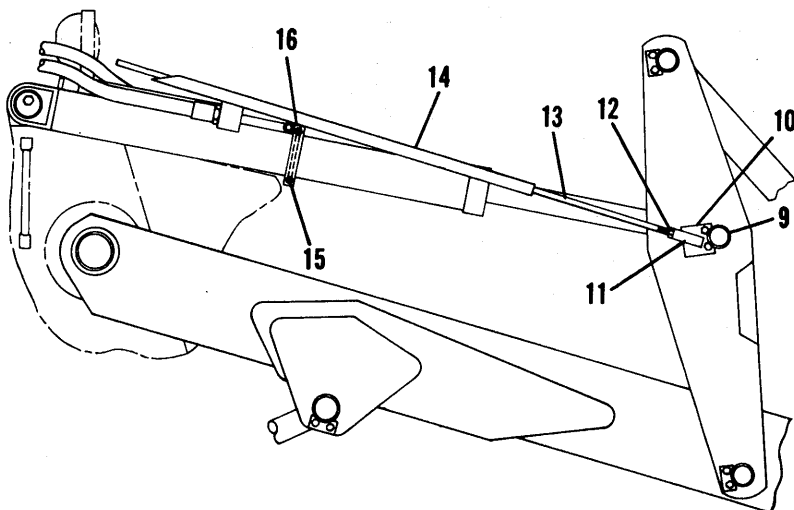
SECTION A-A



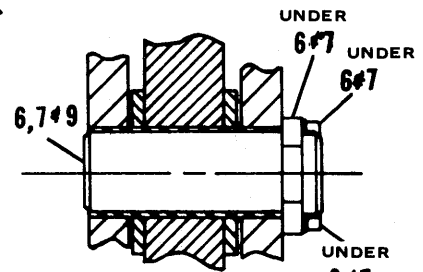
SECTION B-B



SECTION C-C



R.H. VIEW OF R.H. DUMP CYLINDER



TYPICAL PIN INSTALLATION  
(Tilt Link To Lift Arm)  
(Shown)

816 & 816B TRACTORS  
LOADER

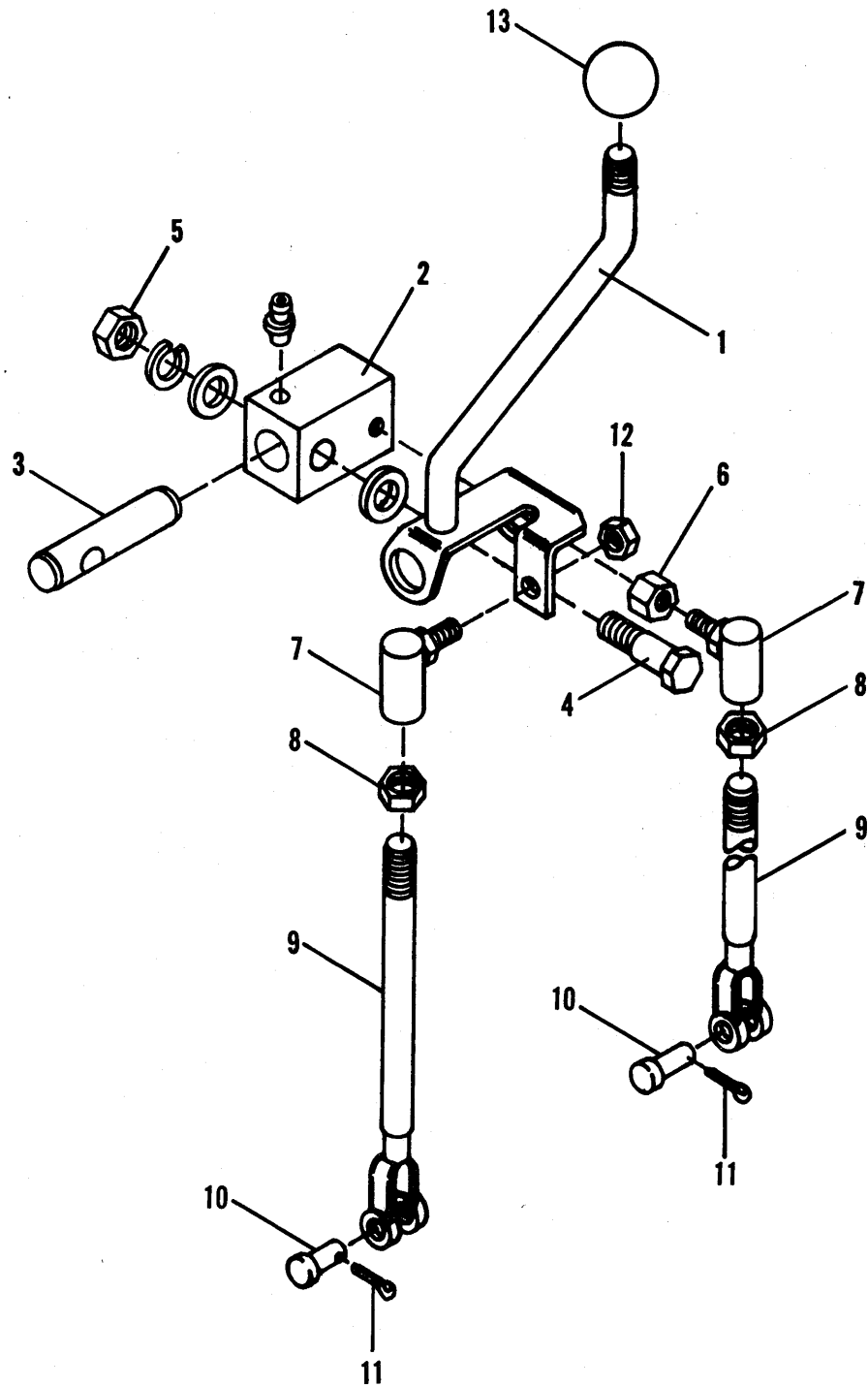
233

LOADER, LINKAGE & CYLINDERS

ITEM	NUMBER	QTY.	DESCRIPTION
1	1004092-1	1	LIFT ARM ASY. (Incls. BUSHINGS)
	1004100-2	2	BUSHING (Pivot A)
	2018402-4	2	BUSHING (Pivot B)
	1004099-6	4	BUSHING (Pivot C)
	1004101-0	2	BUSHING (Pivot D)
	0914465-0	6	FITTING, grease
2	-----	2	LIFT CYLINDER (Refer to LIFT CYLINDER group for components)
3	-----	2	DUMP CYLINDER (Refer to DUMP CYLINDER group for components)
4	1004108-5	2	TILT ARM ASY. (Incls. BUSHINGS)
	1004110-1	12	BUSHING
	1005495-5	8	SPACER
5	1004482-4	2	LINK ASY., bucket (Incls. BUSHINGS)
	2018402-4	4	BUSHING
	0914465-0	4	FITTING, lube
6	1004117-6	5	PIN, tilt arm
	1004118-4	5	PLATE, retaining, pin
	0927187-5	10	CAPSCREW
7	1004119-2	2	PIN, lift cylinder to boom
	1004118-4	2	PLATE, retaining, pin
	0927187-5	4	CAPSCREW
8	1006444-2	8	HOSE, main frame to lift & dump cylinders
9	1004117-6	1	PIN, tilt arm
10	1004630-8	1	PLATE, retaining, pin
	0927187-5	2	CAPSCREW
11	0916764-4	1	JOINT, ball
	0916966-5	1	LOCKWASHER, 1/2
12	0919262-6	1	NUT, jam
13	1006727-0	1	ROD, bucket level
14	1006997-9	1	TUBE ASY., bucket level
15	1007001-9	1	CLAMP ASY. (Incls. 1 each SADDLE ASY. & U-BOLT; 2 each LOCKWASHERS & NUTS)
	-----	1	SADDLE ASY.
	-----	1	U-BOLT
	0917356-8	2	LOCKWASHER, 5/16
	0920263-1	2	NUT, 5/16NF
16	0918368-2	1	WASHER
	0925719-7	1	PIN, cotter
17	0920328-2	6	CAPSCREW
	0916966-5	6	LOCKWASHER, 1/2
18	0913160-8	2	NUT
19	1006345-1	2	PIN, dump cylinder
20	1006348-5	4	CAP, pin, boom & lift cylinder
21	1006347-7	4	PIN, boom & lift cylinder
22	0913974-2	4	NUT
23	1006349-3	2	SPACER, lift cylinder
24	1006346-9	2	CAP, pin, dump cylinder



LOADER CONTROLS



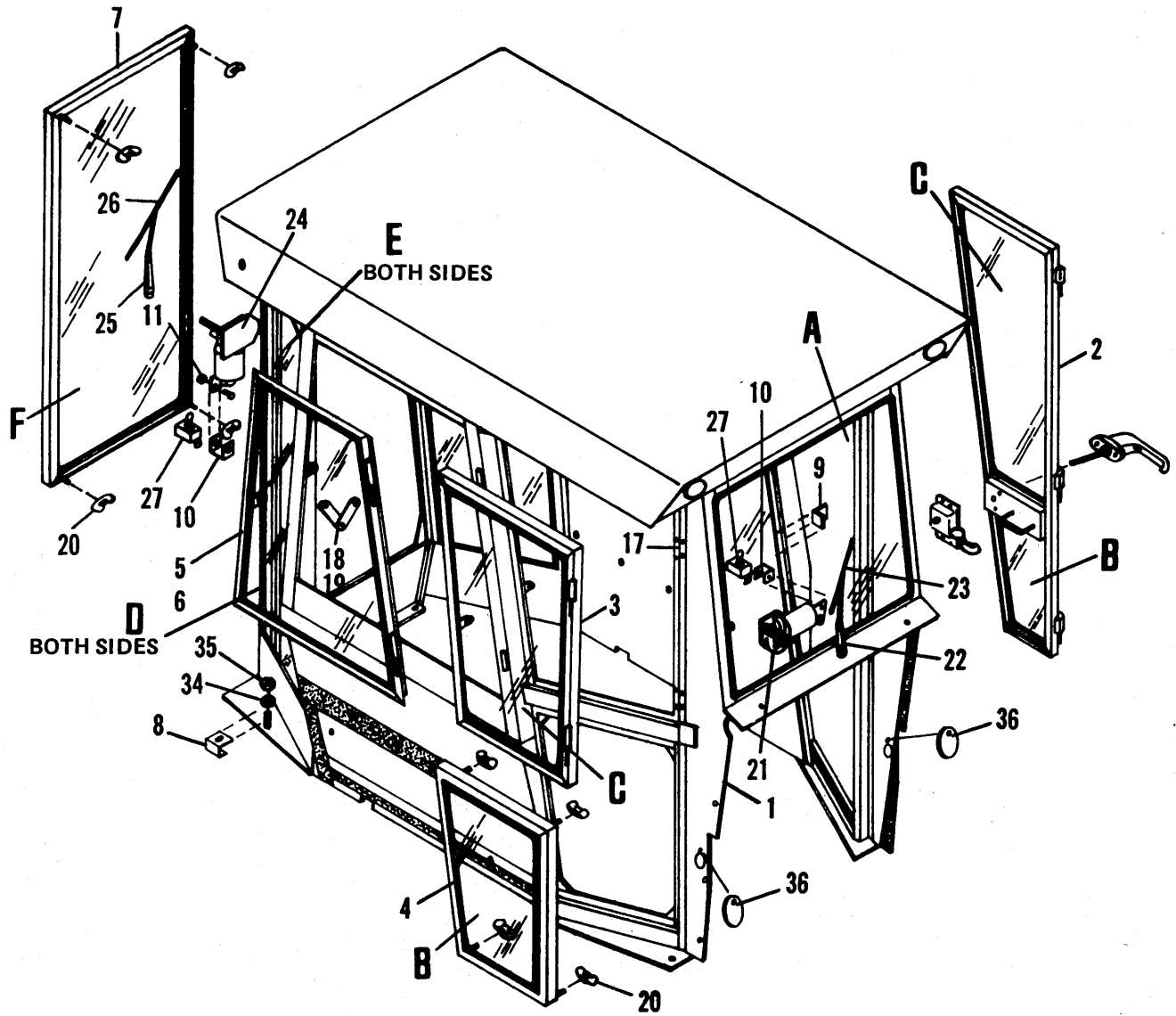
816 & 816B TRACTORS  
LOADER

235

LOADER CONTROLS

ITEM	NUMBER	QTY.	DESCRIPTION
1	1006237-0	1	LEVER, loader control
2	1007263-5	1	BAR
	0913958-5	1	FITTING, grease
3	1006222-2	1	PIN, pivot
4	1007096-9	1	BOLT, pivot
5	0916951-7	1	NUT, 1/2NC
	0916966-5	1	LOCKWASHER, 1/2
	0922086-4	2	WASHER
6	1006224-8	1	NUT, spacer
7	1006225-5	2	JOINT, ball
8	0918403-7	2	NUT, jam
9	1006814-6	2	CONTROL ROD
10	0923093-9	2	PIN, yoke
11	0918448-2	2	PIN, cotter
12	0917853-4	1	NUT
13	0243416-5	1	KNOB

CAB ASY.  
FULL VISION



816 & 816B TRACTORS  
CAB

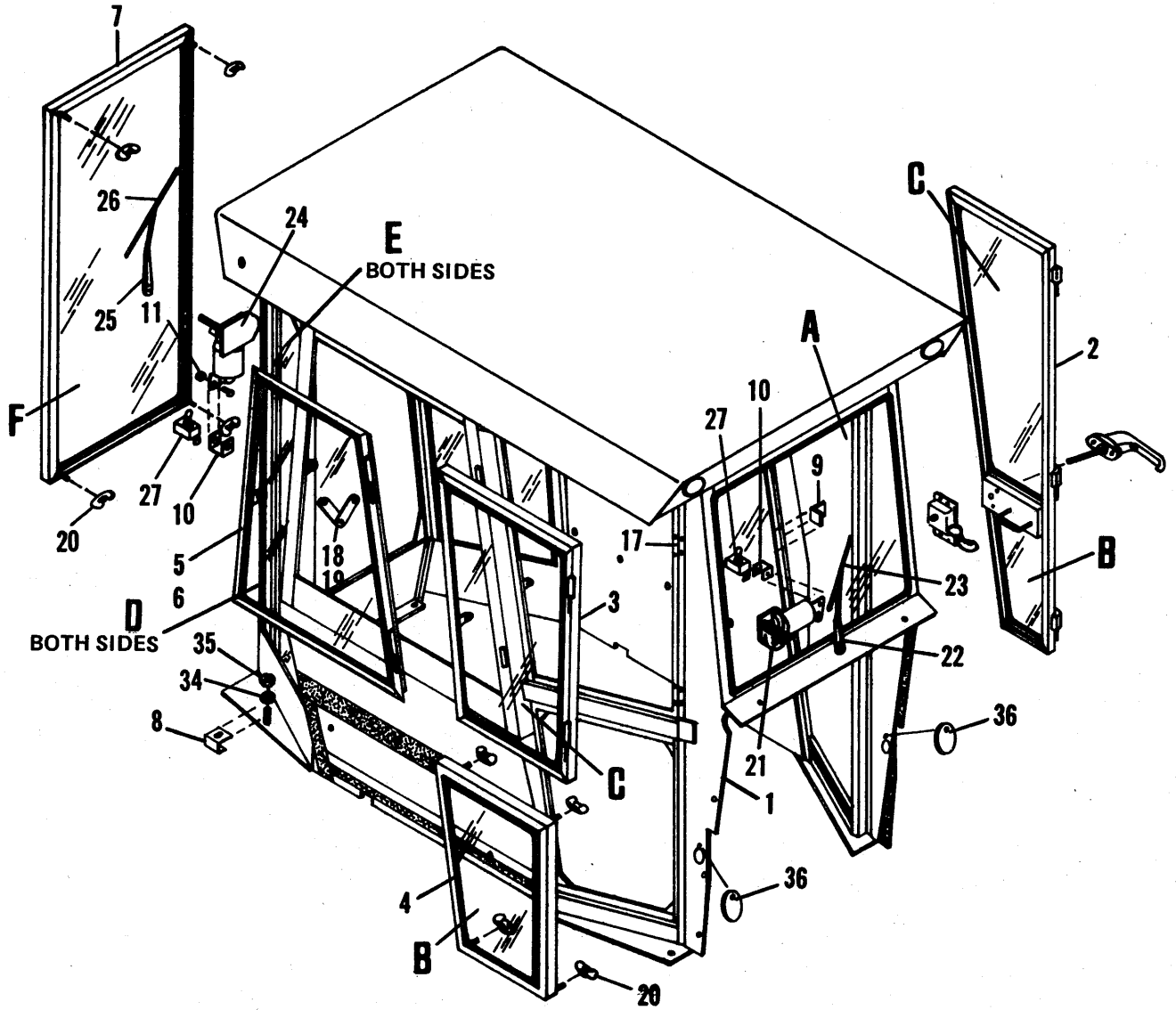
237

CAB ASY.  
FULL VISION

ITEM	NUMBER	QTY.	DESCRIPTION
-	----	1	CAB ASY.
1	----	1	CAB WELDMENT
	1007332-8	1	RUBBER, rear sill
	1007333-6	1	RUBBER, rear sill
	1007334-4	1	RUBBER, rear window
	1007335-1	1	RUBBER, front sill
	1007336-9	1	RUBBER, front sill
	1007337-7	1	RUBBER, door
	1007338-5	1	RUBBER, front window, upper
	1007339-3	1	RUBBER, front window, lower
	1007340-1	2	RUBBER, side frame, top
	1007341-9	2	RUBBER, base plate, rear
	1007342-7	2	RUBBER, side frame, bottom
	1007343-5	2	RUBBER, side frame, front
	1007344-3	1	RUBBER, base plate, front left
	1007345-0	1	RUBBER, base plate, front right
	1007346-8	2	RUBBER, side frame, rear
	1007347-6	2	RUBBER, cowl, side
	1007348-4	1	FOAM, roof, front
	1007349-2	1	FOAM, roof, center
	1007350-0	1	FOAM, roof, rear
	1007368-2	2	RUBBER, glass molding
	1007369-0	1	RUBBER, glass molding
	1007370-8	1	RUBBER, glass molding
	1007371-6	2	RUBATEX
2	1007305-4	1	DOOR
	2020269-3	1	LOCK, door, outside
	1007363-3	1	LATCH, door, inside
	1007372-4	1	RUBBER, glass molding
	1007373-2	1	RUBBER, glass molding
3	1007306-2	1	WINDOW, swing out, front
	1007372-4	1	RUBBER, glass molding
4	1007307-0	1	WINDOW, lower
	1007373-2	1	RUBBER, glass molding
5	1007308-8	1	WINDOW, swing out, right side
	1007364-1	1	STRIP, molding
	1007374-0	1	RUBBER, glass molding
6	1007309-6	1	WINDOW, swing out, left side
	1007364-1	1	STRIP, molding
	1007374-0	1	RUBBER, glass molding
7	1007310-4	1	WINDOW ASY., rear
	1007370-8	1	RUBBER, glass molding
8	1007311-2	2	CLAMP, mounting
9	1007312-0	1	PLATE, striker
10	1007313-8	2	BRACKET, wiper switch

Continued

CAB ASY.  
FULL VISION



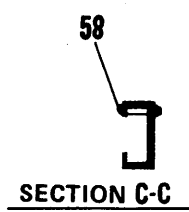
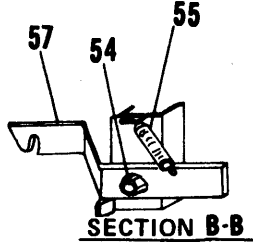
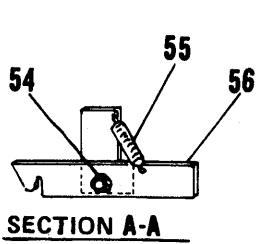
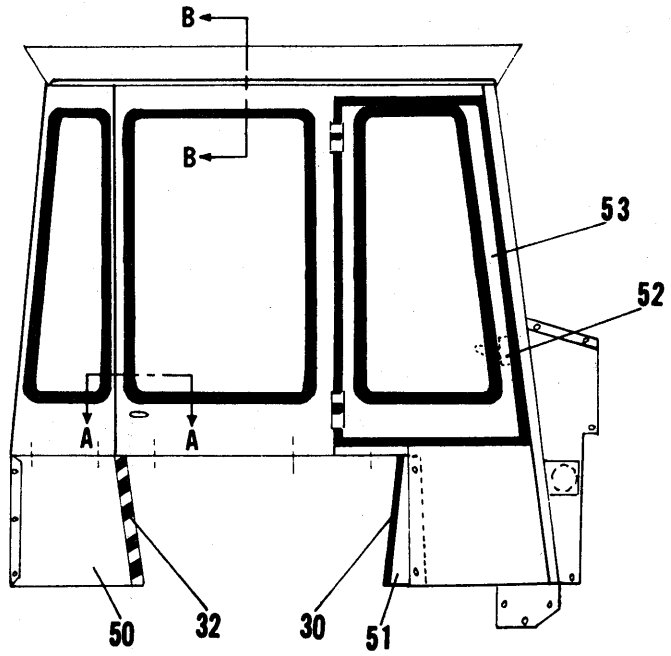
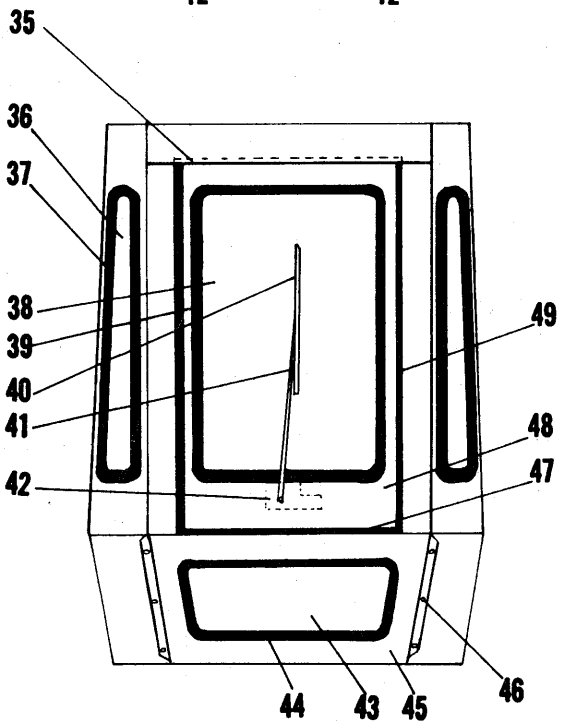
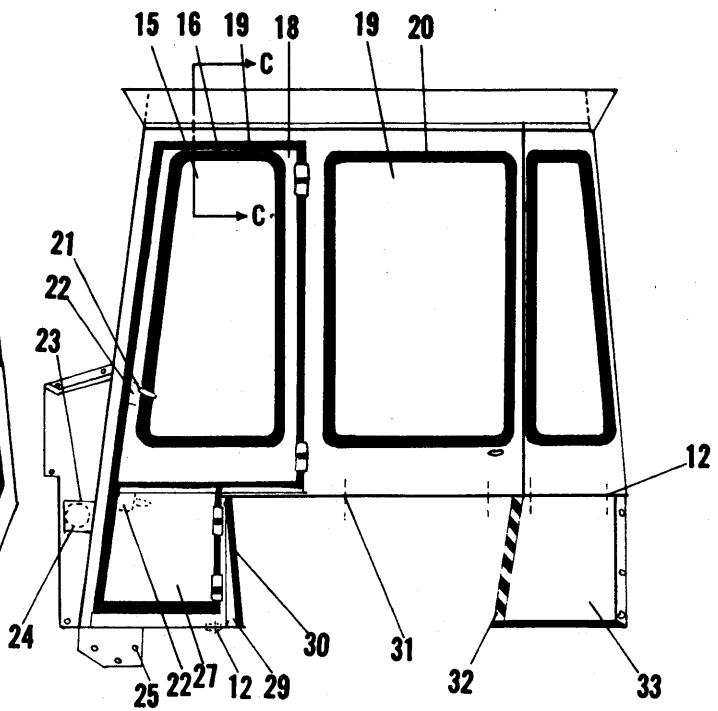
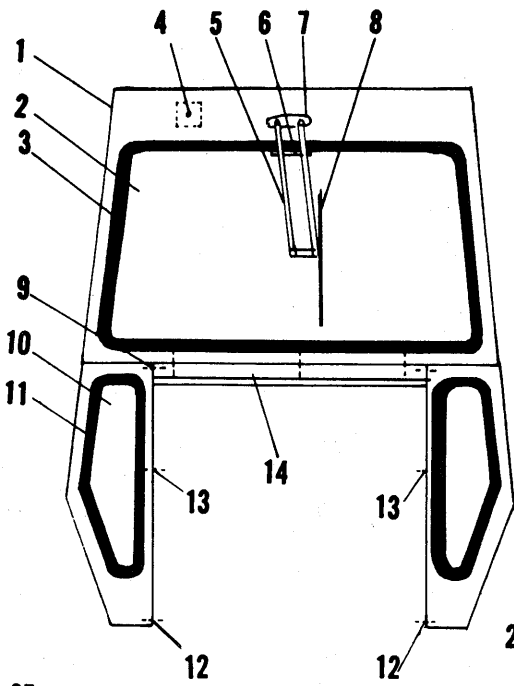
816 & 816B TRACTORS  
CAB

239

CAB ASY.  
FULL VISION

ITEM	NUMBER	QTY.	DESCRIPTION
11	1007314-6	1	SPACER, sleeve
12	1007315-3	1	MAT, floor (Not shown)
13	1007316-1	2	FILLER, rear corner
14	1007317-9	1	COVER, hole
15	1007318-7	1	FILLER, left front
16	1007319-5	1	FILLER, right front
17	1007320-3	2	HINGE, female
18	2020276-8	2	LATCH ASY., arm, left
19	2020277-6	1	LATCH ASY., arm, right
20	0918468-0	8	NUT, wing, 5/16NC
21	1007322-9	1	MOTOR, wiper, front
22	1007323-7	1	ARM, wiper, front
23	2020292-5	1	BLADE, wiper, front
24	2020290-9	1	MOTOR, wiper, rear
25	2020291-7	1	ARM, wiper, rear
26	2020395-6	1	BLADE, wiper, rear
27	2020293-3	2	SWITCH, toggle
28	1007374-0	1	HARNESS, wire, right front (Not shown)
29	1007325-2	1	HARNESS, wire, right rear (Not shown)
30	1007326-0	1	HARNESS, wire, right rear (Not shown)
31	1007327-8	1	HARNESS, wire, left rear (Not shown)
32	1007328-6	1	HARNESS, wire, windshield wiper (Not shown)
33	1007329-4	2	WIRE, wiper switch (Not shown)
34	0918265-0	2	WASHER, 5/16 SAE
35	0919438-2	2	LOCKNUT, 5/16NC
36	1007330-2	2	COVER, hole
37	0921433-9	2	GROMMET, 1/2 x 7/8 (Not shown)
38	0920328-2	2	CAPSCREW, 1/2NC x 1-1/2 (Not shown)
	0917329-5	2	WASHER, flat, 1/2
	0916966-5	2	LOCKWASHER, 1/2
	0916951-7	2	NUT, 1/2NC
39	0921965-0	8	CAPSCREW, 3/8NC x 3/4 (Not shown)
	0916965-7	8	LOCKWASHER, 3/8
	0916950-9	8	NUT, 3/8NC
40	0921210-1	2	CAPSCREW, 3/8NC x 1 (Not shown)
	0916965-7	2	LOCKWASHER, 3/8
	0916950-9	2	NUT, 3/8NC
41	0918264-3	8	WASHER, 1/4 SAE (Not shown)
42	0235594-9	16	CLIP, wire harness (Not shown)
A	-----	1	GLASS A
B	-----	2	GLASS B
C	-----	2	GLASS C
D	-----	2	GLASS D
E	-----	2	GLASS E
F	-----	2	GLASS F

CAB ASY.  
SIMS



816 & 816B TRACTORS  
CAB

241

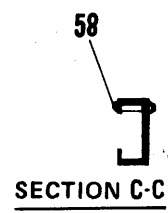
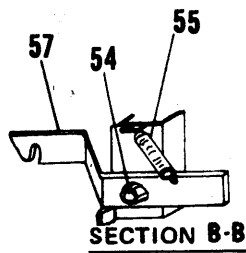
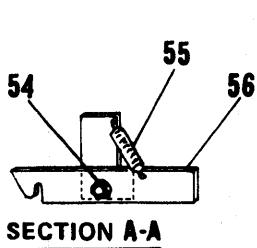
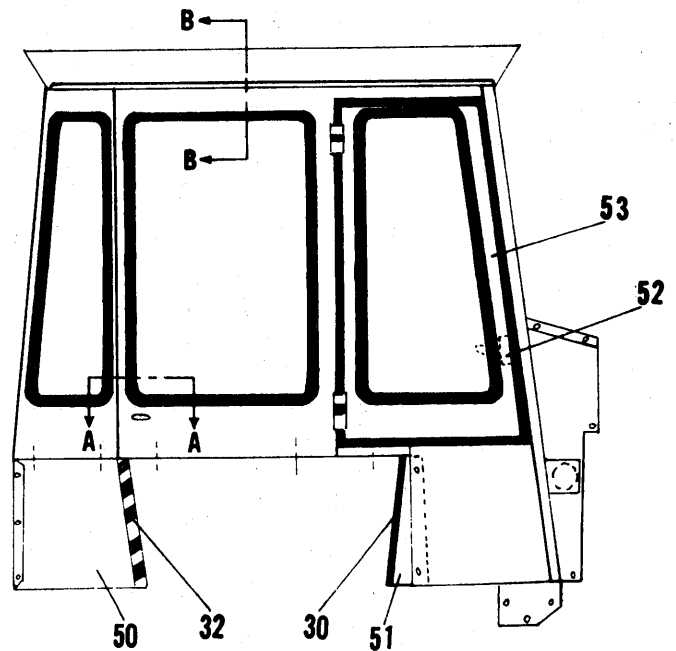
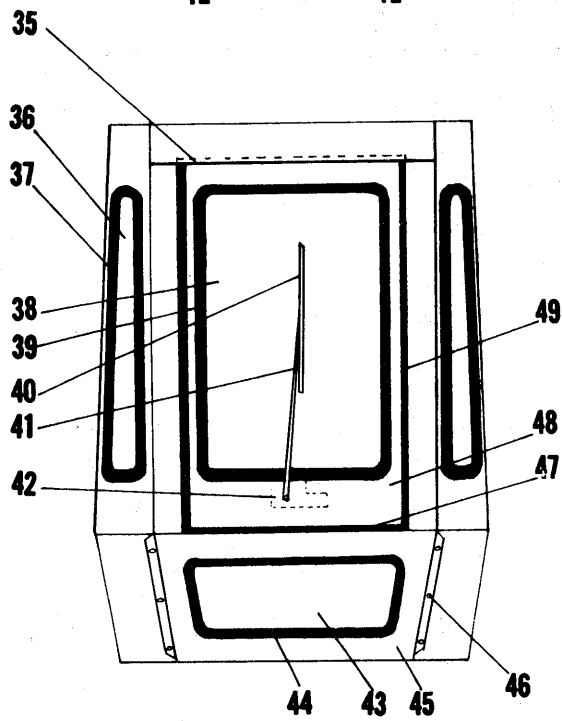
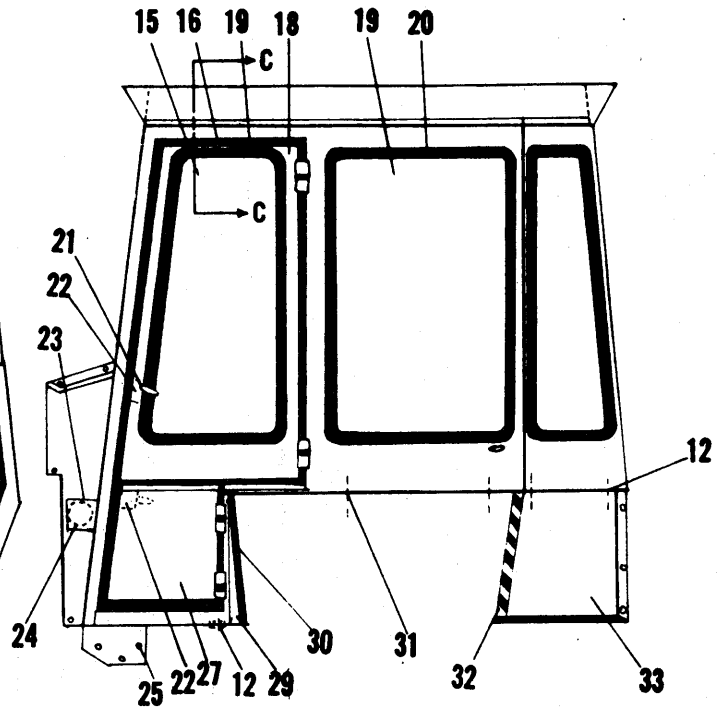
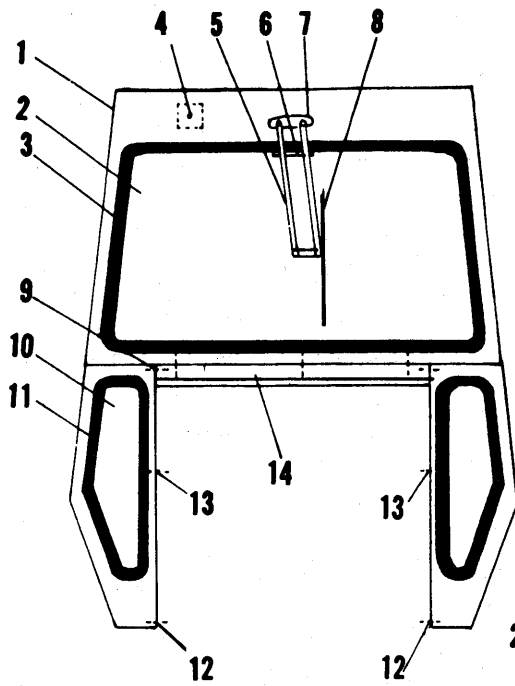
CAB ASY.  
SIMS

ITEM	NUMBER	QTY.	DESCRIPTION
-	-----	1	CAB GROUP (Incls. CAB ASY., SEAT BELT, & FLOOR MAT groups)
-	-----	1	CAB ASY.
-	1014427-7	1	SEAT BELT ASY.
-	-----	1	FLOOR MAT GROUP (Incl. front & rear)
-	1010359-6	1	FLOOR MAT, front
-	1010360-4	1	FLOOR MAT, rear
1	-----	1	CAB WELDMENT
2	-----	1	GLASS, windshield (Obtain locally)
3	-----	1	MOLDING, window
4	1010341-4	1	SWITCH, wiper
5	1010342-2	1	ARM, wiper
6	1010343-0	1	MOTOR, wiper
7	1010344-8	1	ADAPTER, panto. arm.
8	1002888-4	1	BLADE
9	0921332-3	7	CAPSCREW, 5/16NC x 3/4
	0917642-1	7	WASHER, 5/16
	0917356-8	7	LOCKWASHER, 5/16
	0917372-5	7	NUT, 5/16NC
10	-----	2	GLASS, front, lower (Obtain locally)
11	-----	2	MOLDING, window
12	0921210-1	8	CAPSCREW, 3/8NC x 1
	0918266-8	8	WASHER, flat, 3/8
	0916965-7	8	LOCKWASHER, 3/8
	0916950-9	8	NUT, 3/8NC
13	0927447-3	2	SCREW, 5/16NC x 1
	0917642-1	2	WASHER, 5/16
14	1010345-5	1	COVER
15	-----	2	GLASS, door (Obtain locally)
16	-----	2	MOLDING, window
17	-----	1	STRIP, weather
18	1010346-3	1	DOOR WELDMENT
19	-----	2	GLASS, side panel (Obtain locally)
20	-----	2	MOLDING, window
21	1010326-5	1	HANDLE, non-lock
22	1010325-7	2	LATCH ASY.
23	0914198-7	4	SCREW, self-tap, No. 10NC x 3/8
24	1010349-7	2	COVER
25	0921969-2	6	CAPSCREW, 3/8NC x 1-1/2, Gr. 5
	0918266-8	6	WASHER, flat, 3/8
	0916965-7	6	LOCKWASHER, 3/8
	0916950-9	6	NUT, 3/8NC
26	1010348-9	1	DOOR, lower
27	1010357-0	1	LATCH
28	0918158-7	1	SCREW, pan hd., 1/4NC x 1
	0920397-7	1	NUT, self-locking, 1/4NC
29	1010350-5	1	FILLER, L.H.
30	-----	2	STRIP, seal, front

Continued



CAB ASY.  
SIMS



816 & 816B TRACTORS  
CAB

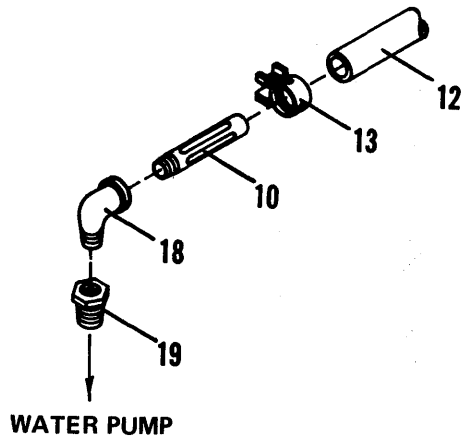
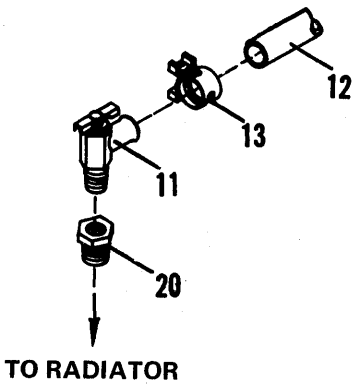
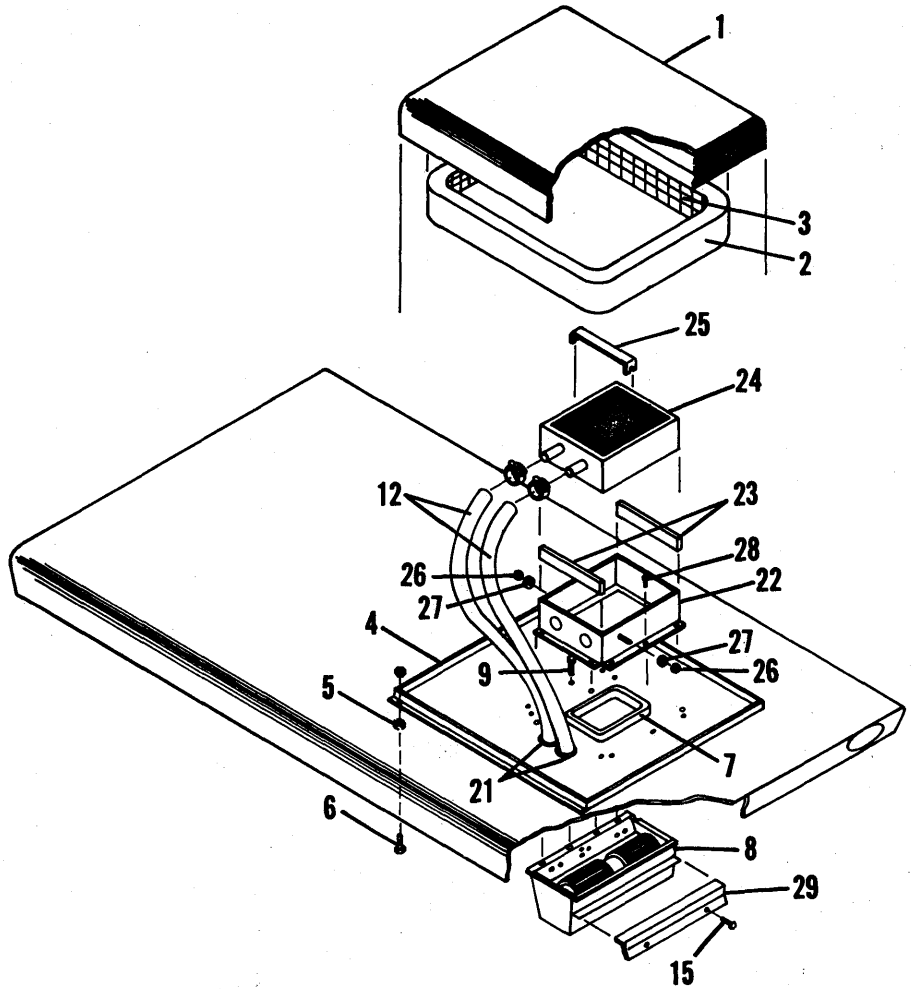
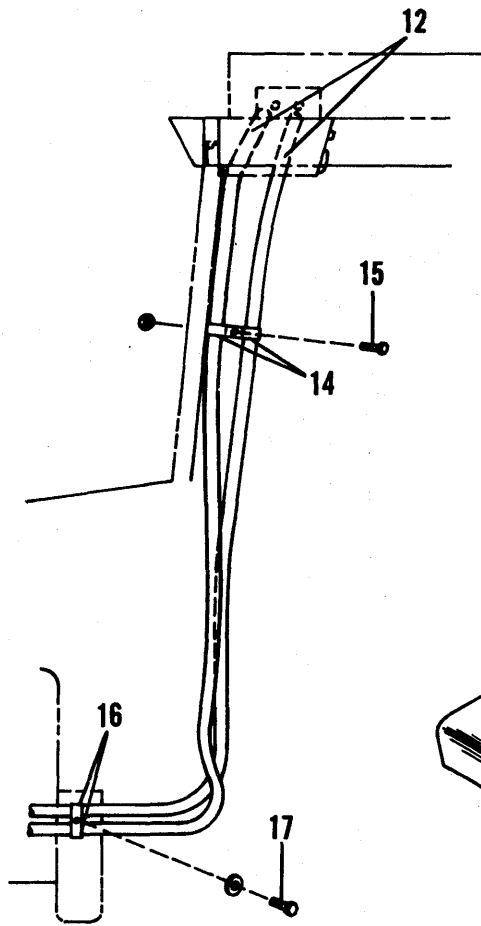
243

CAB ASY.  
SIMS

ITEM	NUMBER	QTY.	DESCRIPTION
31	0920328-2	6	CAPSCREW, 1/2NC x 1-1/2, Gr. 5
	0917379-0	6	WASHER, flat, 1/2
	0916966-5	6	LOCKWASHER, 1/2
	0916951-7	6	NUT, 1/2NC
32	-----	2	STRIP, seal, rear
33	1010352-1	1	PLATE, filler, L.H. rear
34	1010334-9	2	LATCH
35	-----	1	STRIP, seal, w/adhesive
36	-----	2	GLASS, panel, side rear (Obtain locally)
37	-----	2	MOLDING, window
38	-----	1	GLASS, window, rear (Obtain locally)
39	-----	1	MOLDING, window
40	1002888-4	1	BLADE, wiper (16") (Optional)
41	1002887-6	1	ARM, wiper (16") (Optional)
42	1002886-8	1	MOTOR, wiper, 12 volt (Optional)
43	-----	1	GLASS, panel, rear (Obtain locally)
44	-----	1	MOLDING, window
45	1010354-7	1	PLATE, rear
46	0921333-1	6	CAPSCREW, 5/16NC x 1
	0917642-1	6	WASHER, 5/16
	0918356-7	6	LOCKWASHER, 5/16
	0917372-5	6	NUT, 5/16NC
47	-----	1	RUBBER, adhesive
48	1010355-4	1	WINDOW, roll-up
49	-----	2	WINDLACE
50	1010353-9	1	PLATE, rear, R.H. lowe
51	1010351-3	1	FILLER, R.H.
52	1010356-2	1	LATCH ASY.
53	1010347-1	1	DOOR WELDMENT
54	0923341-2	3	CAPSCREW, 1/4NC x 3/4
	0920397-7	3	NUT, self-locking, 1/4NC
55	1010335-6	3	SPRING

*Roller 4PS 1018896*

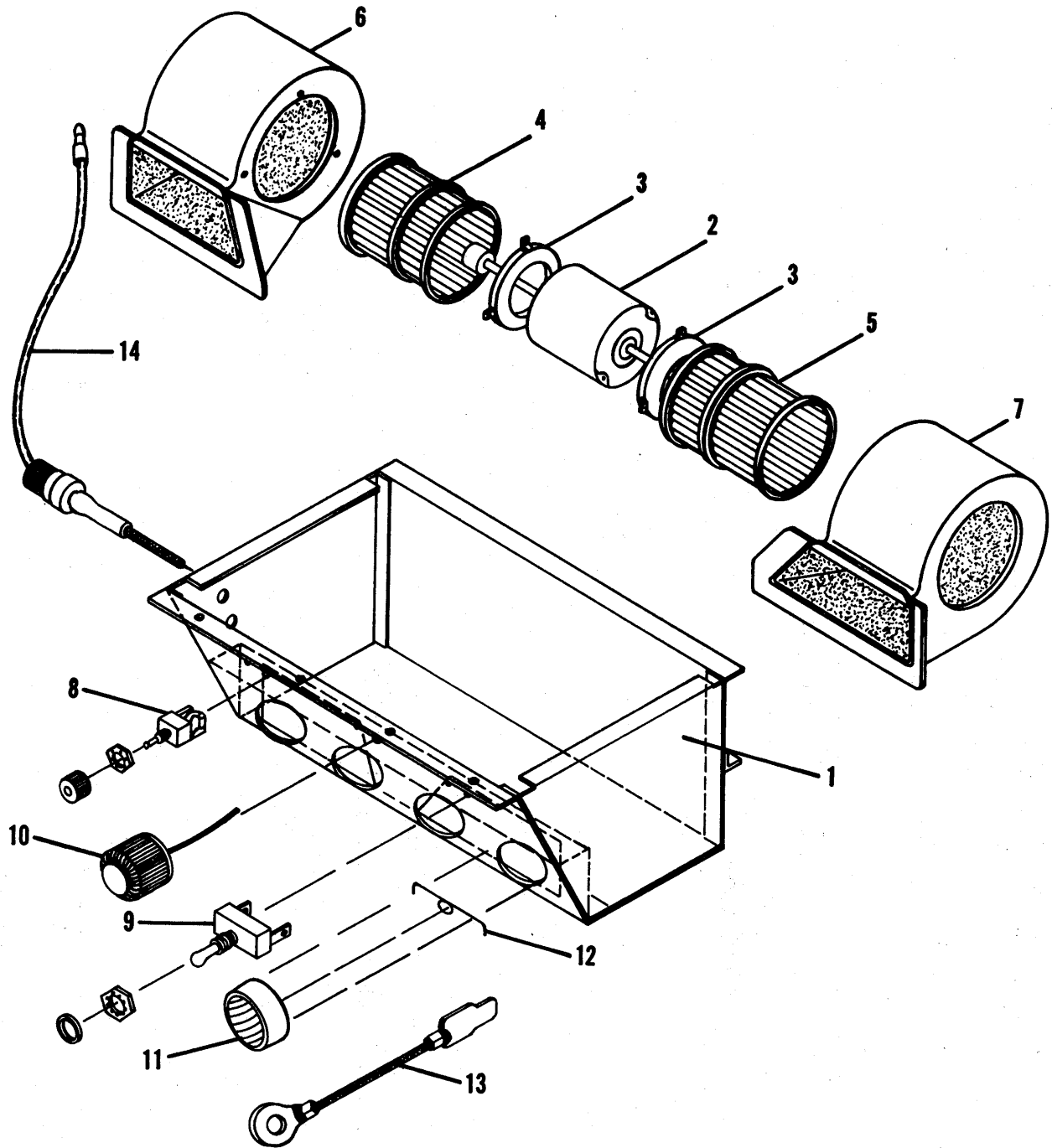
AIR HEATER & BLOWER



AIR HEATER & BLOWER

ITEM	NUMBER	QTY.	DESCRIPTION
1	1005395-7	1	HOOD
2	1005396-5	1	FILTER
3	1005397-3	1	RETAINER, filter
4	1005398-1	1	FRAME, hood mount
5	1005399-9	6	WASHER, rubber
6	0918249-4	6	BOLT, slotted, 5/16NC x3/4
	0917356-8	6	LOCKWASHER, 5/16
	0917372-5	6	NUT, 5/16NC
7	1005400-5	1	CIRCLE, neoprene
8	-----	1	BLOWER ASY. (Refer to BLOWER PARTS)
9	0910968-7	4	BOLT, No. 10NC x1
	0916621-6	4	NUT, No. 10NC
10	0925238-8	1	NIPPLE, hose, str., 3/8 pipe to 5/8 hose
11	2020415-2	1	VALVE, shut-off
12	1005481-5	2	HOSE, radiator, 5/8 I.D. x 150" long
13	0921911-4	4	CLAMP, hose
14	0928464-7	2	CLAMP, hose, cushioned
15	0923341-2	3	CAPSCREW, 1/4NC x3/4
	0916622-4	3	NUT, 1/4NC
16	0927264-2	2	CLAMP, hose
17	0923114-3	1	CAPSCREW, 1/2NC x1
	0916966-5	1	LOCKWASHER, 1/2
18	0901723-7	1	ELL, str., 3/8 pipe
19	0923519-3	1	BUSHING, reducer, 1/2 to 3/8 pipe
20	1007249-4	1	ADAPTER, pipe
21	1005420-3	2	GROMMET, heater hose
22	1005421-1	1	BOX, heater
23	1005422-9	2	STRIP, rubber
24	1005423-7	1	CORE, heater
25	1005424-5	1	KEEPER, heater core
26	0919438-2	2	NUT, 5/16NC
27	0918265-0	2	WASHER, 5/16 SAE
28	0928470-4	10	SCREW, sheet metal, No. 10 x 3/8
29	1005471-6	1	ANGLE, mounting
30	1005475-7	1	TRIM, mini (Not shown)

BLOWER ASY.



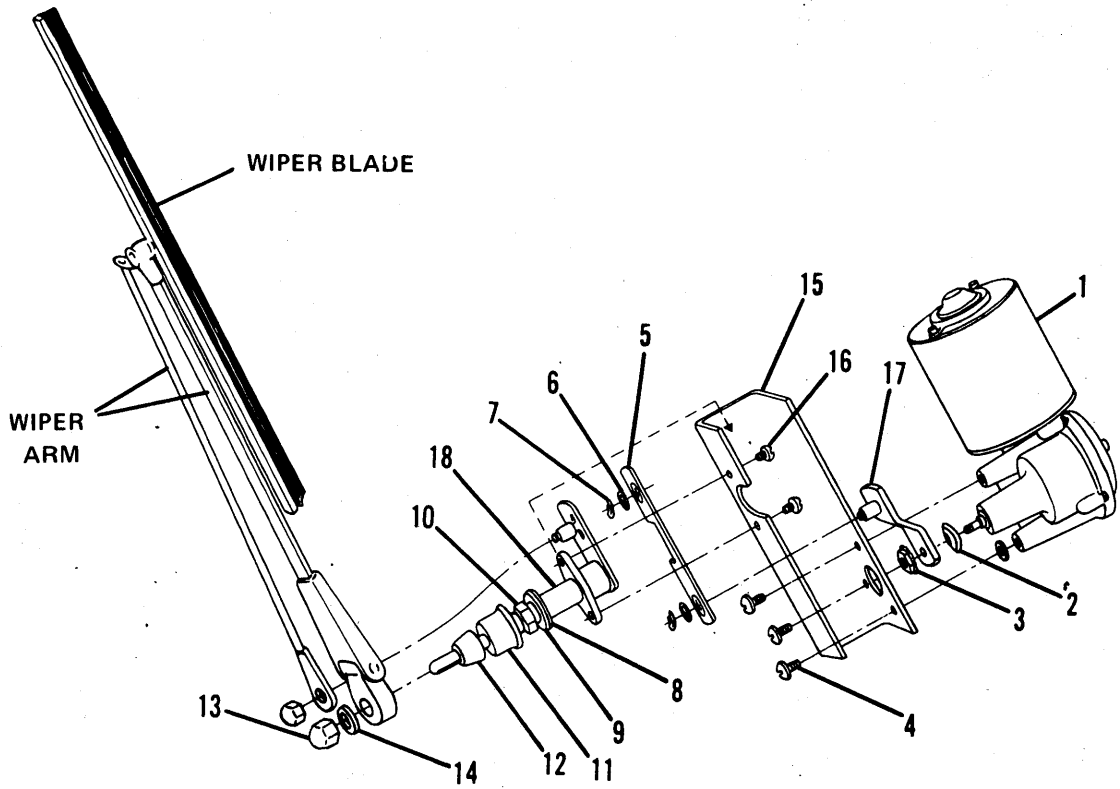
816 & 816B TRACTORS  
CAB

247

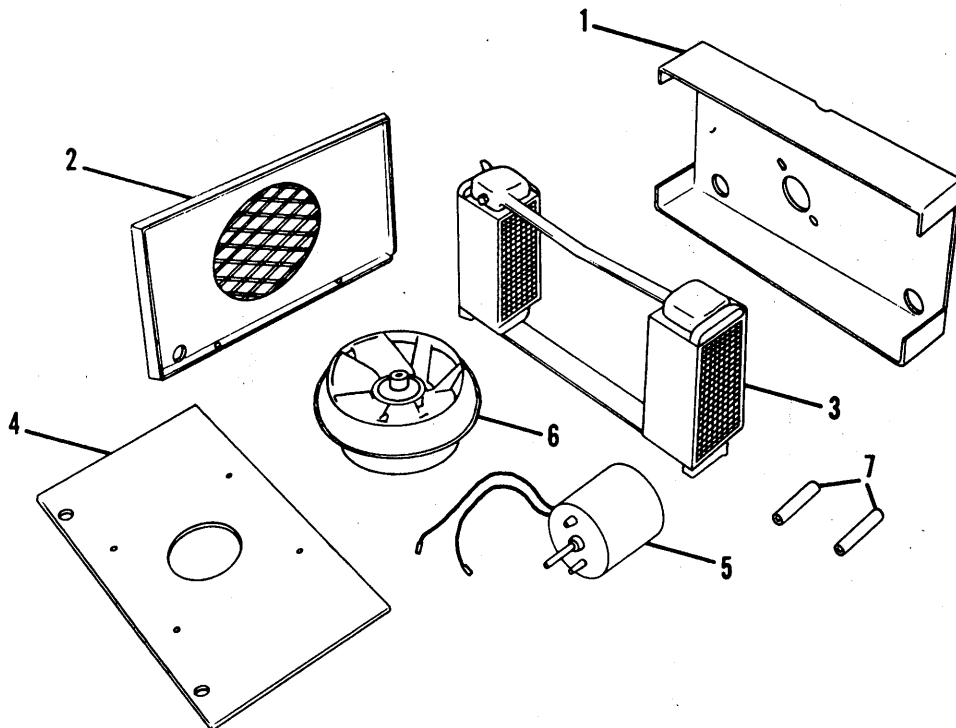
BLOWER ASY.

ITEM	NUMBER	QTY.	DESCRIPTION
—	-----	1	BLOWER ASY.
1	1005460-9	1	HOUSING
2	1005461-7	1	MOTOR, 12 volt
3	1005462-5	2	RETAINER, fan blade
4	1021472-4	1	BLADE, fan, L.H.
5	1021472-4	1	BLADE, fan, R.H.
6	1005465-8	1	HOUSING, fan, L.H.
7	1005466-6	1	HOUSING, fan, R.H.
8	1005413-8	1	SWITCH, fan control, rheostat
9	1005467-4	1	SWITCH, light
10	1005468-2	1	LIGHT ASY.
11	1005469-0	4	OUTLET, air
12	1005470-8	4	SPRING, retaining, air outlet
13	1005474-0	1	WIRE, connecting
14	1005473-2	1	WIRE, blower

WIPER MOTOR



HEATER ASY.



816 & 816B TRACTORS  
CAB

249

WIPER MOTOR

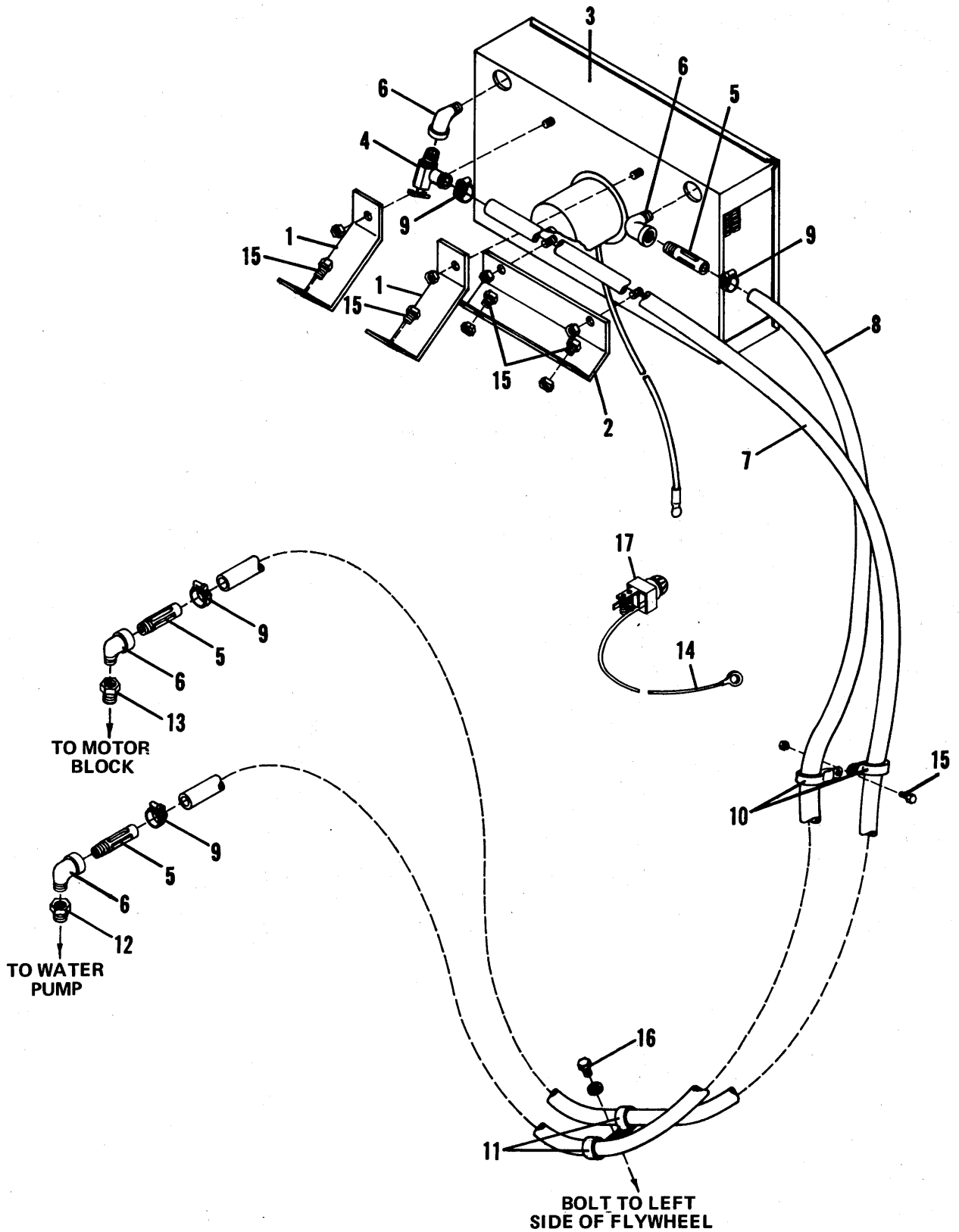
ITEM	NUMBER	QTY.	DESCRIPTION
—	1010343-0	1	MOTOR ASY., wiper
1	1018662-5	1	MOTOR
2	0246689-4	1	WASHER
3	0923662-1	1	NUT, 1/2NF
4	0914120-1	3	SCREW, 1/4NF x 3/4
	0921880-1	3	LOCKWASHER, 1/4
5	3060177-7	1	LINK, connecting
6	0639073-6	2	WASHER, spring
7	0639074-4	2	SPRING, clip
8	-----	1	WASHER
9	-----	1	WASHER
10	1013271-0	1	NUT
11	1013272-8	1	CAP
12	1013273-6	1	DRIVER, knurled
13	1013274-4	1	NUT
14	0923300-8	1	LOCKWASHER, ext. tooth, 5/16
15	3060178-5	1	BRACKET
16	0922121-9	2	SCREW
	0922711-7	2	LOCKWASHER, ext. tooth
17	3061046-3	1	ARM, crank
18	1013270-2	1	SHAFT, pivot (Incls. Items 8 thru 14)

HEATER ASY.

ITEM	NUMBER	QTY.	DESCRIPTION
—	1012517-7	1	HEATER ASY.
1	1012678-7	1	SHELL
2	1012679-5	1	COVER
3	1012680-3	1	CORE
4	1012681-1	1	GASKET
5	1012682-9	1	MOTOR
6	1012683-7	1	FAN
7	1012684-5	2	NIPPLE



SPACE HEATER GROUP  
FIELD INSTALLATION



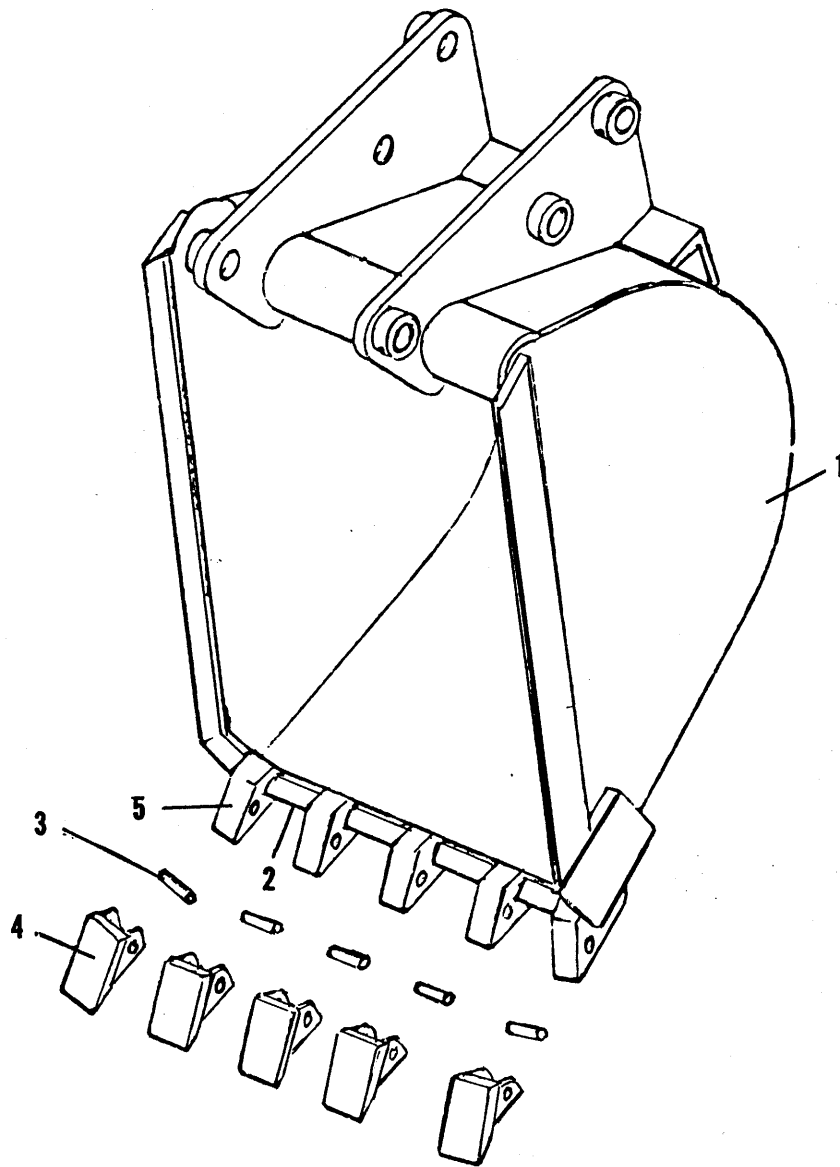
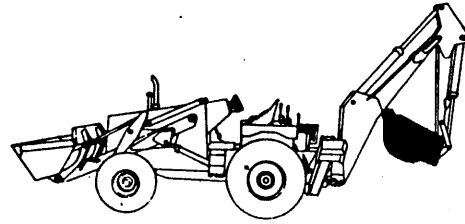
816 & 816B TRACTORS  
CAB

251

SPACE HEATER GROUP  
FIELD INSTALLATION

ITEM	NUMBER	QTY.	DESCRIPTION
1	1005476-5	2	BRACKET, heater, upper
2	1005477-3	1	BRACKET, heater, lower
3	1012517-7	1	HEATER
	0916622-4	4	NUT, 1/4NC
4	2020415-2	1	VALVE
5	0925238-8	3	ADAPTER, hose
6	0901723-7	4	ELL, str., 3/8 pipe
7	1005419-5	1	HOSE, feeder, heater
8	1005479-9	1	HOSE, return, heater
9	0921911-4	4	CLAMP, hose
10	0928464-7	2	CLAMP
11	0927264-2	2	CLAMP
12	0923519-3	1	BUSHING, reducer
13	1007249-4	1	ADAPTER, pipe
14	1005480-7	1	WIRE, rheostat
15	0923341-2	5	CAPSCREW, 1/4NC x 3/4
	0916622-4	5	NUT, 1/4NC
16	0923114-3	1	CAPSCREW, 1/2NC x 1
	0916966-5	1	LOCKWASHER, 1/2
17	1005413-8	1	RHEOSTAT
18	1005475-7	1	TRIM, mini (Not shown)

BUCKETS  
BACKHOE



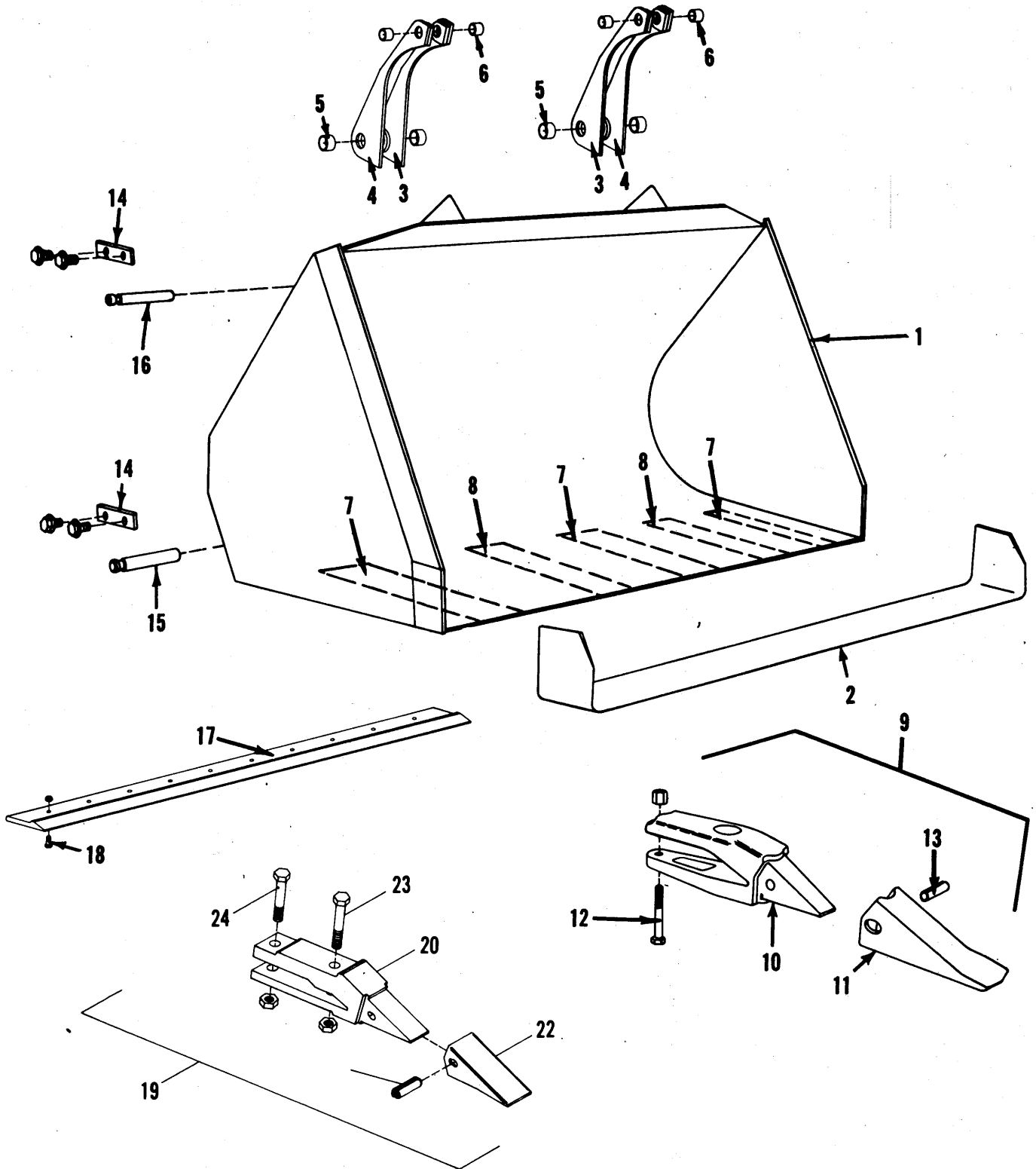
816 & 816B TRACTORS  
ATTACHMENTS

BUCKETS  
BACKHOE

ITEM	NUMBER	QTY.	QTY.	QTY.	QTY.	QTY.	DESCRIPTION
1	1695172	1	1643445	1	5		BUCKET ASY. (15") (Incl. Items 2 thru 5) (Order from MACHINERY)
	1095169	1	1643446	1	5		BUCKET ASY. (18") (Incl. Items 2 thru 5) (Order from MACHINERY)
	1095170	1	1043447	1	5		BUCKET ASY. (24") (Incl. Items 2 thru 5) (Order from MACHINERY)
	1695171	1	1043448	1	5		BUCKET ASY. (30") (Incl. Items 2 thru 5) (Order from MACHINERY)
	1095173	1	1643449	1	5		BUCKET ASY. (36") (Incl. Items 2 thru 5) (Order from MACHINERY)
2	1001030-4	1	-	-	-	-	CUTTING EDGE (15" bucket)
	1043401-7	-	1	-	-	-	CUTTING EDGE (18" bucket)
	1043402-5	-	-	1	-	-	CUTTING EDGE (24" bucket)
	1043403-3	-	-	-	1	-	CUTTING EDGE (30" bucket)
	1043404-1	-	-	-	-	1	CUTTING EDGE (36" bucket)
3	2017635-0	4	4	5	6	7	PIN, flex.
4	2017636-8	4	4	5	6	7	TOOTH
5	2017634-3	4	4	5	6	7	SHANK

- 1 - 15" Bucket
- 2 - 18" Bucket
- 3 - 24" Bucket
- 4 - 30" Bucket
- 5 - 36" Bucket

BUCKETS  
LOADER



816 & 816B TRACTORS  
ATTACHMENTS

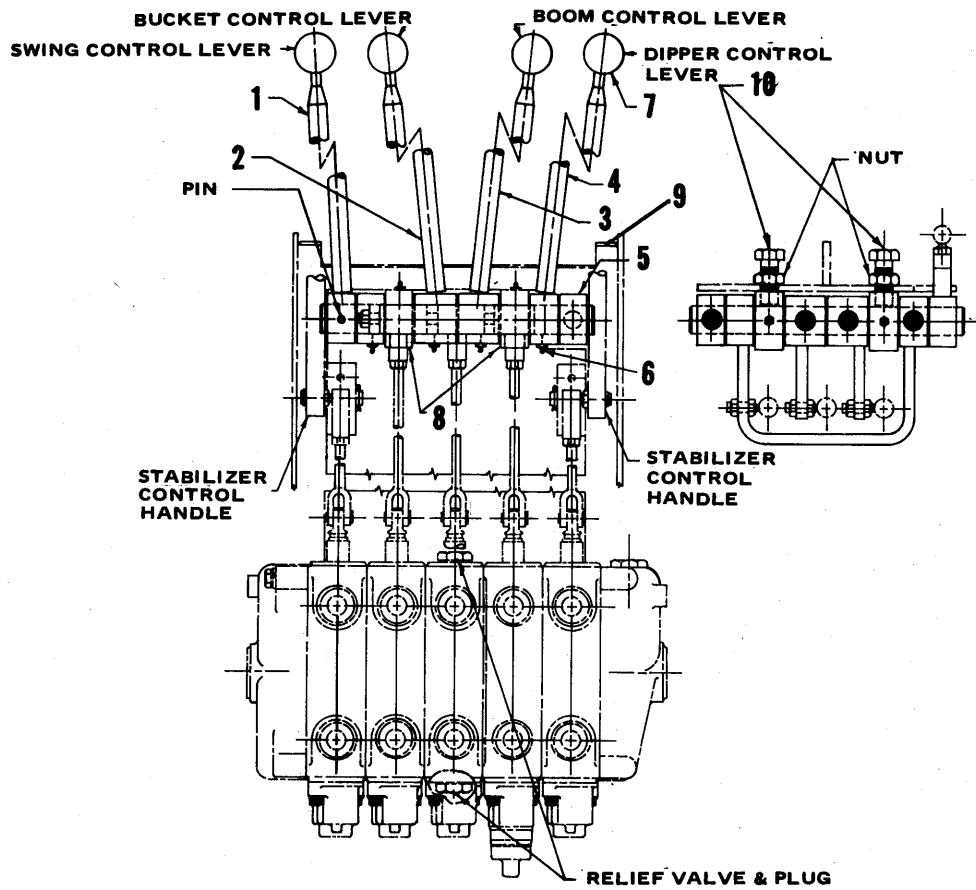
BUCKETS  
LOADER

ITEM	NUMBER	QTY.	QTY.	QTY.	QTY.	DESCRIPTION
		1	2	3	4	
1	1095166	1	-	-	-	BUCKET ASY. (1-1/4 yd.) (Incl. Items 2 thru 8) (Order from MACHINERY)
	1095167	-	1	-	-	BUCKET ASY. (1-1/2 yd.) (Incl. Items 2 thru 8) (Order from MACHINERY)
	1095168	-	-	1	-	BUCKET ASY. (1-3/4 yd.) (Incl. Items 2 thru 8) (Order from MACHINERY)
	-----	-	-	-	1	BUCKET ASY. (3 yd. snow) (Incl. Items 2 thru 8) (Order from MACHINERY)
2	1004510-2	1	-	-	-	CUTTING EDGE, 1-1/4 yd. bucket <sup>86"</sup>
	1005245-4	-	1	-	-	CUTTING EDGE, 1-1/2 yd. bucket <sup>88"</sup>
	1005244-7	-	-	1	-	CUTTING EDGE, 1-3/4 yd. bucket <sup>90"</sup>
	1005765-1	-	-	-	1	CUTTING EDGE, 3 yd. bucket <sup>94"</sup>
3	1004508-6	2	2	2	2	BUCKET RIB, R.H. (Incl. 1 each of Items 5 & 6)
4	1004509-4	2	2	2	2	BUCKET RIB, L.H. (Incl. 1 each of Items 5 & 6)
5	1004099-6	2	2	2	2	BUSHING, bottom
6	1004734-8	2	2	2	2	BUSHING
7	1004516-9	3	-	-	-	SKID (1-1/4 yd. bucket)
	1004554-0	-	3	-	-	SKID (1-1/2 yd. bucket)
	1004564-9	-	-	3	-	SKID (1-3/4 yd. bucket)
	1005763-6	-	-	-	3	SKID (3 yd. bucket)
8	1004517-7	2	-	-	-	SKID (1-1/4 yd. bucket)
	1004555-7	-	2	-	-	SKID (1-1/2 yd. bucket)
	1004565-6	-	-	2	-	SKID (1-3/4 yd. bucket)
	1005764-4	-	-	-	2	SKID (3 yd. bucket)
9	1004605-0	1	1	1	-	BUCKET TOOTH GROUP (Incls. Items 10, 11 & 13) (Yaun) (Order Item 19 ASY. 1010153)
10	1004604-3	10	10	10	10	SHANK
11	1003014-6	10	10	10	10	POINT (Order Item 19 ASY. 1010153)
12	0916450-0	20	20	20	-	BOLT
	0922304-1	1	1	1	1	NUT
13	2017635-0	10	10	10	-	PIN, flex.
14	1004118-4	4	4	4	4	PLATE, retaining, pin
	0927187-5	2	2	2	2	CAPSCREW
15	1004119-2	2	2	2	2	PIN, hinge, bucket <sup>8 5/8 centers</sup>
16	1004729-8	2	2	2	2	PIN, tilt link
17	1005246-2	1	1	1	1	BLADE, cutting, snow
18	0923154-9	10	10	10	10	CAPSCREW, 1/2NC x 1-1/2, Gr. 8
	0916951-7	1	1	1	1	NUT, 1/2NC
19	1010153-3	10	10	10	-	TOOTH ASY. (Incl. Items 20 thru 22) (H & L)
20	-----	10	10	10	-	SHANK (Not serviced)
21	2017635-0	10	10	10	-	PIN, flex.
22	1010152-5	10	10	10	-	POINT, tooth
23	0920990-9	10	10	10	-	CAPSCREW, 1/2NC x 3-1/2
	0916899-8	10	10	10	-	NUT, self-locking, 1/2NC
24	0923191-1	10	10	10	-	CAPSCREW, 1/2NC x 3-1/4
	0916899-8	10	10	10	-	NUT, self-locking, 1/2NC

- 1 - 1-1/4 yd. Bucket
- 2 - 1-1/2 yd. Bucket
- 3 - 1-3/4 yd. Bucket
- 4 - 3 yd. Bucket

100 5 1/2 8 6

4-LEVER BACKHOE CONTROL  
FORD PATTERN



816 & 816B TRACTORS  
ATTACHMENTS

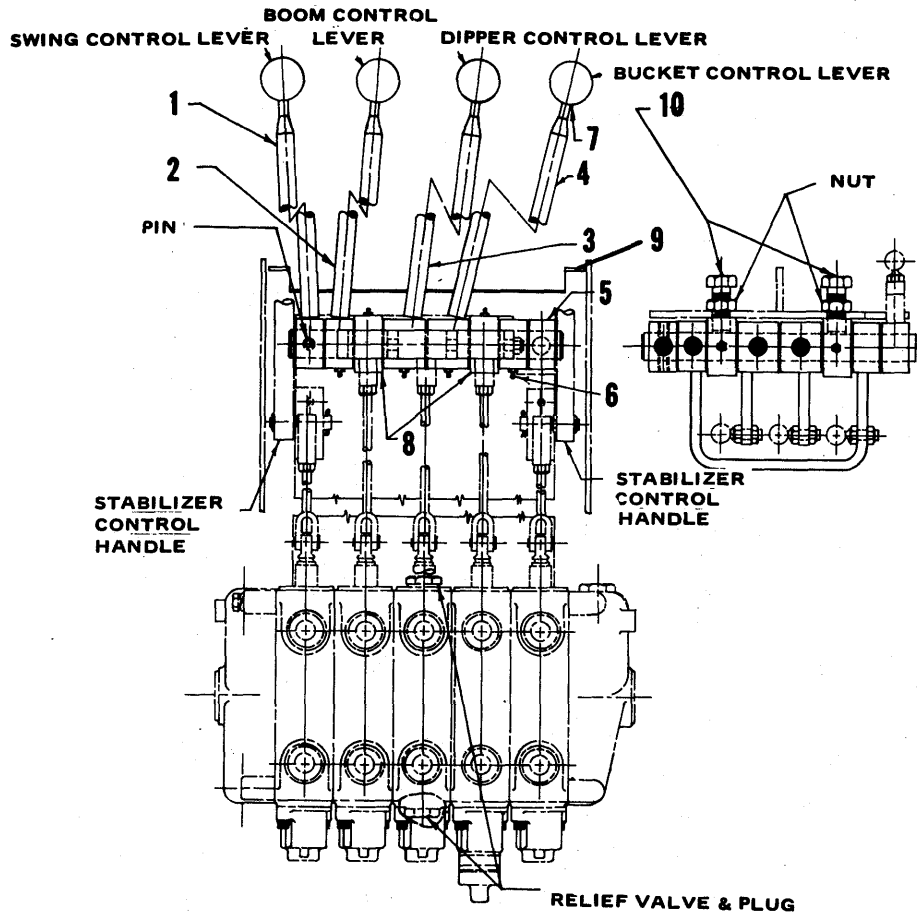
257

4-LEVER BACKHOE CONTROL  
FORD PATTERN

ITEM	NUMBER	QTY.	DESCRIPTION
1	1002421-4	1	SWING LEVER
2	1002424-8	1	BUCKET LEVER
3	1002427-1	1	BOOM LEVER
4	1002428-9	1	DIPPER LEVER
5	1002430-5	1	SHAFT
	0915500-3	1	PIN, spring
6	0922887-5	6	FITTING, lube
7	2014647-8	4	KNOB, handle
8	1002437-0	2	BEARING
9	1002438-8	1	COVER ASY.
10	0923475-8	2	CAPSCREW
	0918241-1	2	NUT, jam



4-LEVER BACKHOE CONTROL  
CASE PATTERN



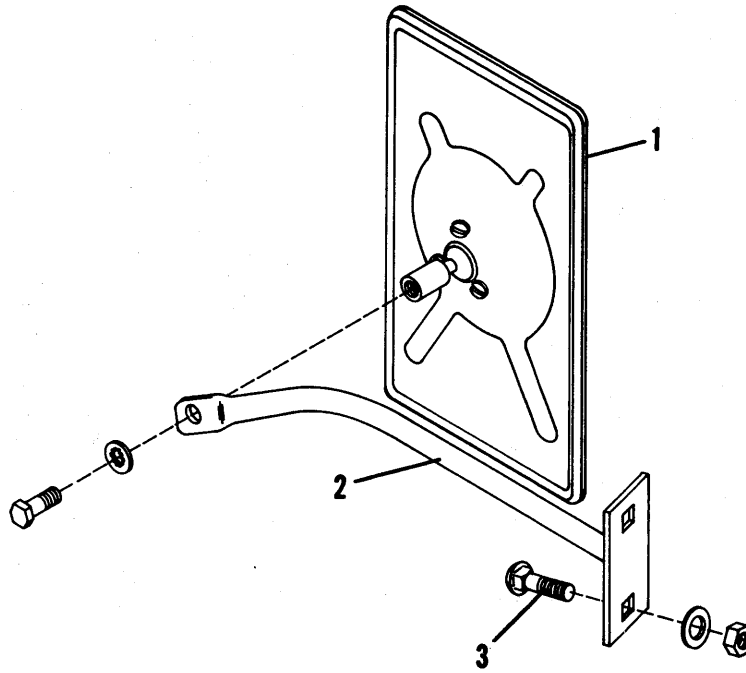
816 & 816B TRACTORS  
ATTACHMENTS

259

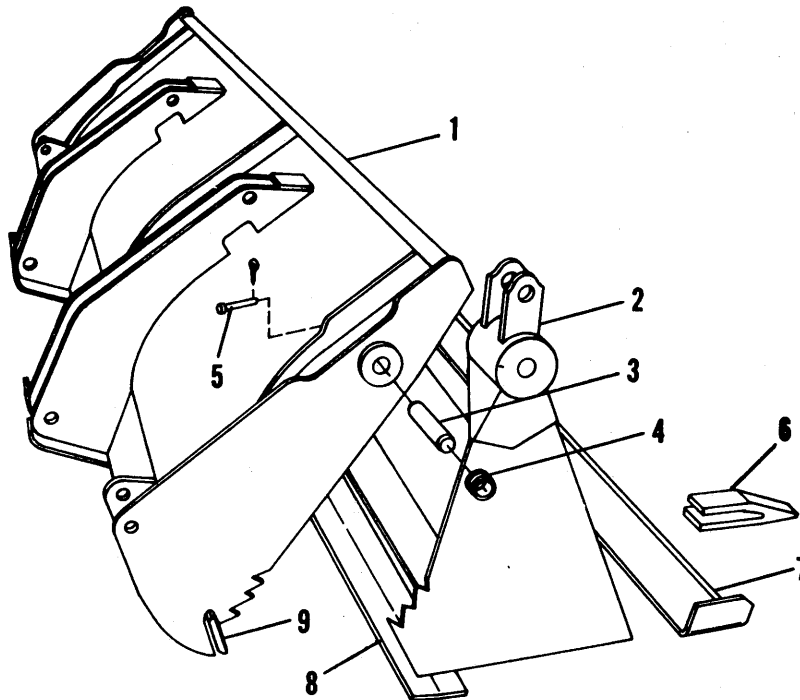
4-LEVER BACKHOE CONTROL  
CASE PATTERN

ITEM	NUMBER	QTY.	DESCRIPTION
1	1002421-4	1	SWING LEVER
2	1002433-9	1	BOOM LEVER
3	1002434-7	1	DIPPER LEVER
4	1002235-8	1	BUCKET LEVER
5	1002430-5	1	SHAFT
	0915500-3	1	PIN, spring
6	0922887-5	6	FITTING, lube
7	2014647-8	4	KNOB, handle
8	1002437-0	2	BEARING
9	1002438-8	1	COVER ASY.
10	0923475-8	2	CAPSCREW
	0918241-1	2	NUT, jam

OUTSIDE MIRROR  
FIELD INSTALLATION



BUCKET ASY.  
4-IN-1 BUCKET



816 & 816B TRACTORS  
ATTACHMENTS

261

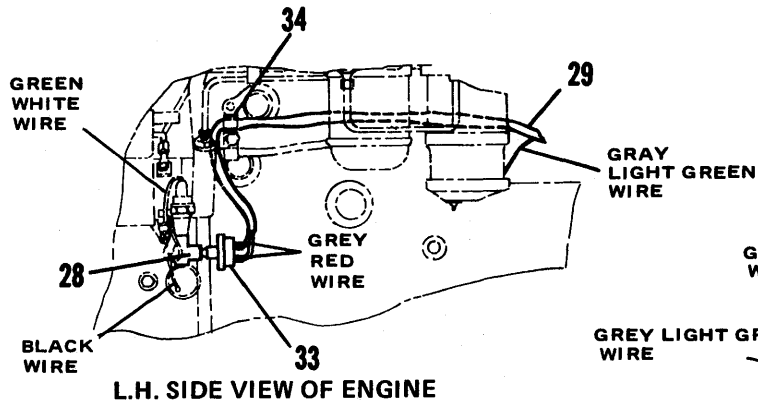
OUTSIDE MIRROR  
FIELD INSTALLATION

ITEM	NUMBER	QTY.	DESCRIPTION
1	1005394-0	2	MIRROR
2	1005459-1	2	BRACKET, mirror
3	0921926-2	4	BOLT, cge., 5/16NC x1-1/4
	0917356-8	4	LOCKWASHER, 5/16
	0917372-5	4	NUT, 5/16NC

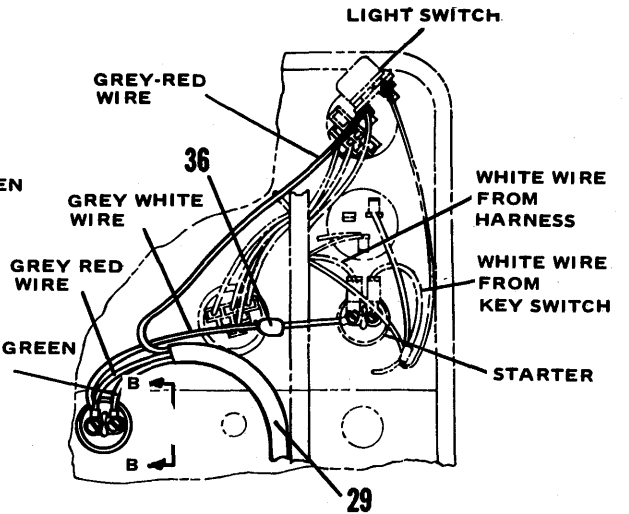
BUCKET ASY.  
4-IN-1 BUCKET

ITEM	NUMBER	QTY.	DESCRIPTION
1	1005428-6	1	MOLDBOARD ASY.
2	1005429-4	1	CLAM ASY.
3	0253031-9	2	PIN, clam to moldboard
4	1005431-0	4	BUSHING
5	1005433-6	2	PIN, clevis
	0918452-4	2	PIN, cotter
6	1005432-8	10	TOOTH
7	1005441-9	1	EDGE, cutting
8	1005443-5	1	EDGE, clam
9	1005442-7	1	EDGE, moldboard

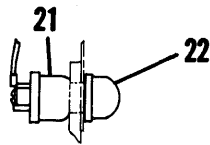
ETHER STARTING AID  
FIELD INSTALLATION



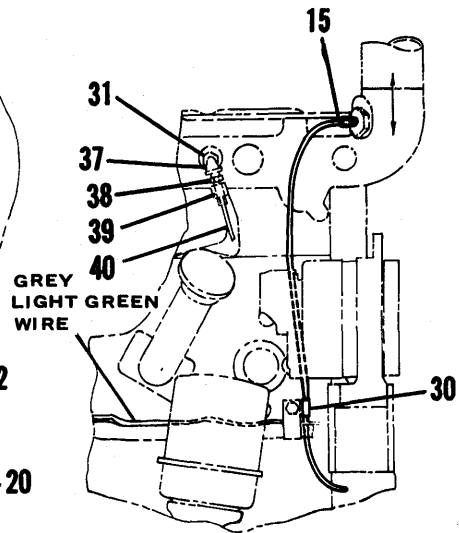
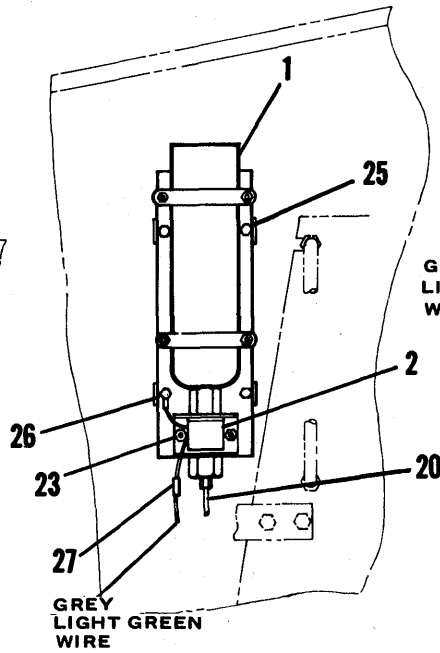
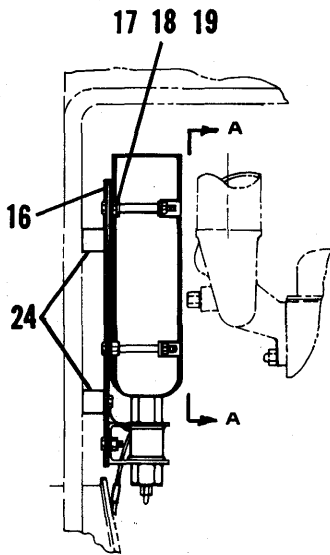
L.H. SIDE VIEW OF ENGINE



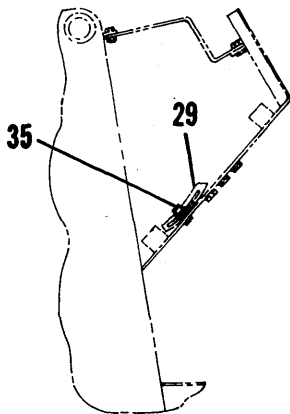
REAR VIEW OF INSTRUMENT PANEL



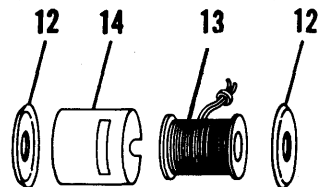
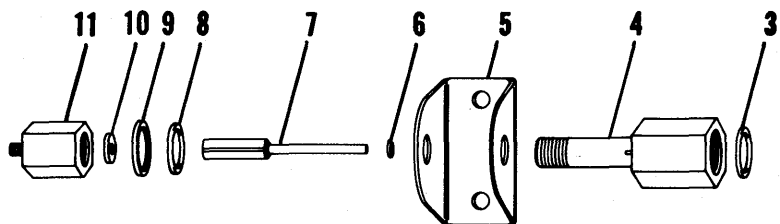
SECTION B-B



SECTION A-A



L.H. SIDE VIEW OF CONTROL



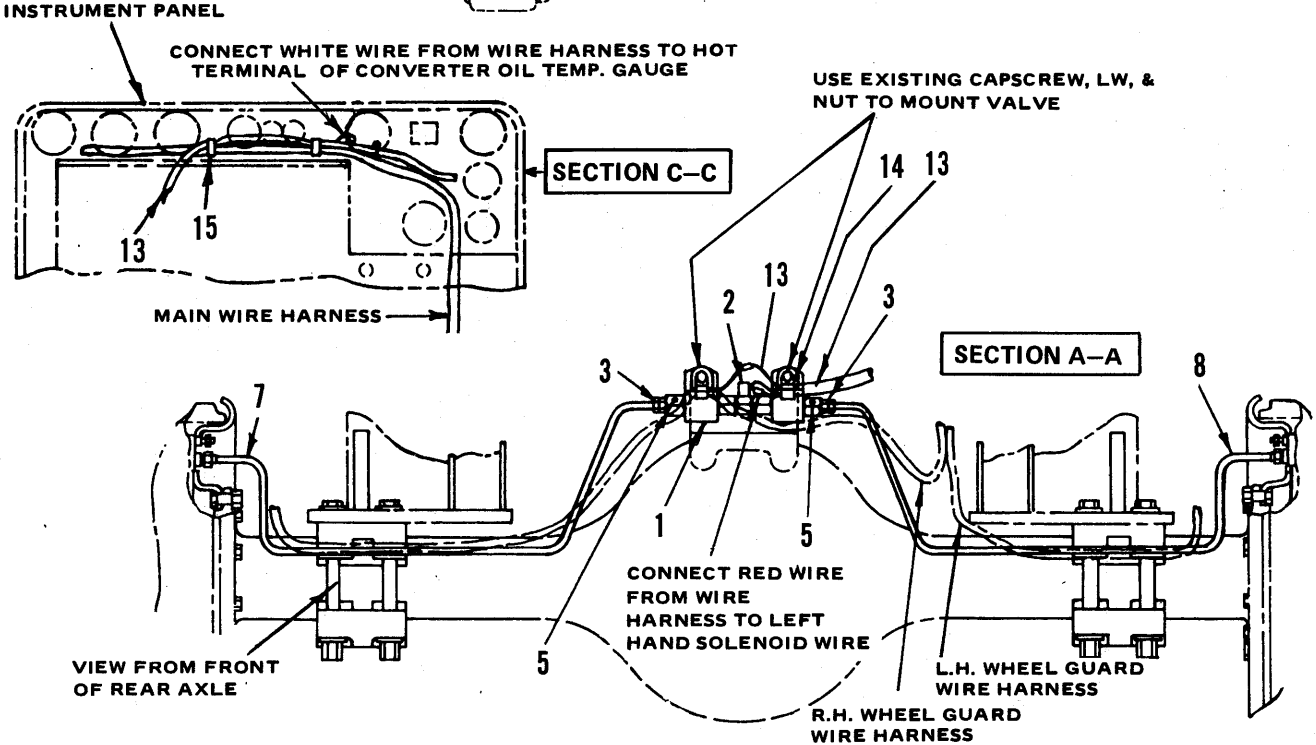
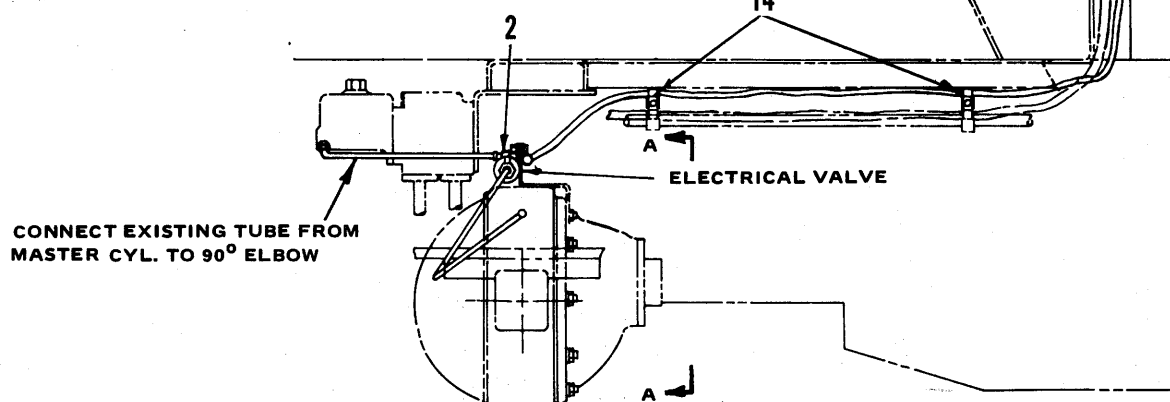
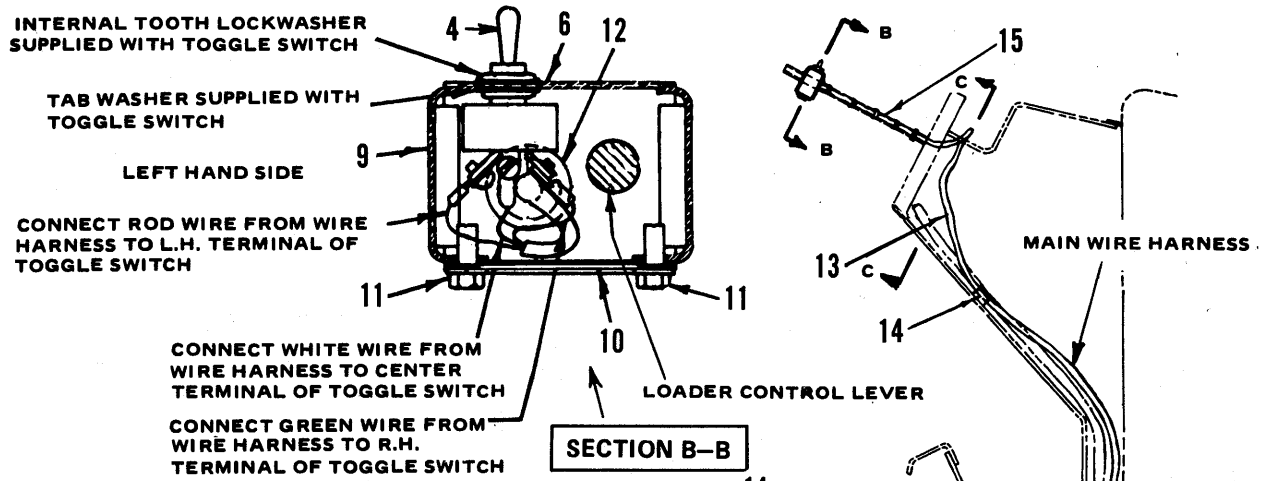
816 & 816B TRACTORS  
ATTACHMENTS

263

ETHER STARTING AID  
FIELD INSTALLATION

ITEM	NUMBER	QTY.	DESCRIPTION
--	-----	--	STARTING KIT, ether (Incl. Items 1 thru 21, & 23)
1	1005738-8	1	CYLINDER, fuel
2	1005739-6	1	VALVE ASY., actuator (Incl. Items 3 thru 14)
3	0926842-6	1	O-RING
4	1005744-6	1	BODY, valve
5	1005745-3	1	BRACKET, mtg.
6	0927902-7	1	O-RING
7	1005746-1	1	PLUNGER
8	0925928-4	1	O-RING
9	1005747-9	1	WASHER
10	1005748-7	1	BUMPER, nylon
11	1005749-5	1	NUT, retaining
12	1005750-3	2	COVER, solenoid hsg.
13	1005751-1	1	HOUSING, coil
14	1005752-9	1	COIL
15	1005740-4	1	JET
--	-----	1	PLATE ASY., mtg. (Incl. Items 16 thru 19)
16	1005753-7	1	PLATE, mtg.
17	1005754-5	2	CLAMP, cylinder
18	1005755-2	2	BRACKET, cylinder
19	0928631-1	4	CAPSCREW, 1/4NC x 3
	0916964-0	8	LOCKWASHER, 1/4
	0916622-4	8	NUT, 1/4NC
20	1005742-0	1	TUBE ASY.
	-----	1	WIRE, 16 Ga. x 144" long
21	0253322-2	1	SWITCH ASY., push button
	0253320-6	1	SWITCH
22	0253321-4	1	CAP & NUT ASY.
23	0923341-2	2	CAPSCREW, 1/4NC x 3/4, Gr. 5
	0916964-0	2	LOCKWASHER, 1/4
	0916622-4	2	NUT, 1/4NC
24	-----	2	BLOCK, tapping
25	0921960-1	4	CAPSCREW, 1/4NC x 1, Gr. 5
	0918264-3	4	WASHER, 1/4 SAE
	0916964-0	4	LOCKWASHER, 1/4
26	0928629-5	1	CONNECTOR, 1/4, ring electrical
27	1005791-7	1	TERMINAL
28	0918960-6	1	TEE
29	1007377-3	1	HARNESS, wire
30	0928176-7	1	CLAMP, insulated
31	0919827-6	1	CONNECTOR, tube to pipe
32	1006391-5	1	TUBE, air cleaner indicator
33	4009058-1	1	SWITCH, pressure
34	0928288-0	1	CLAMP, insulated
35	0926917-6	1	CLAMP, insulated
36	1005790-9	1	RECTIFIER, silicon
37	0915399-0	1	ELBOW, street
38	0241056-1	1	NIPPLE ASY.
39	0925093-7	1	ELBOW, female, 1/8

STEERING BRAKES  
(OPTIONAL)



816 & 816B TRACTORS  
ATTACHMENTS

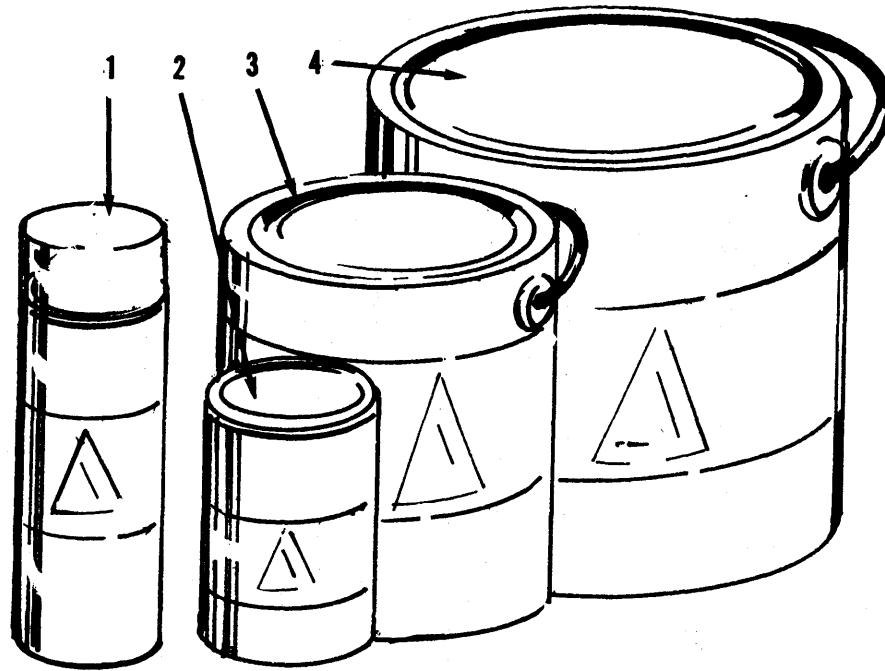
265

STEERING BRAKES  
(OPTIONAL)

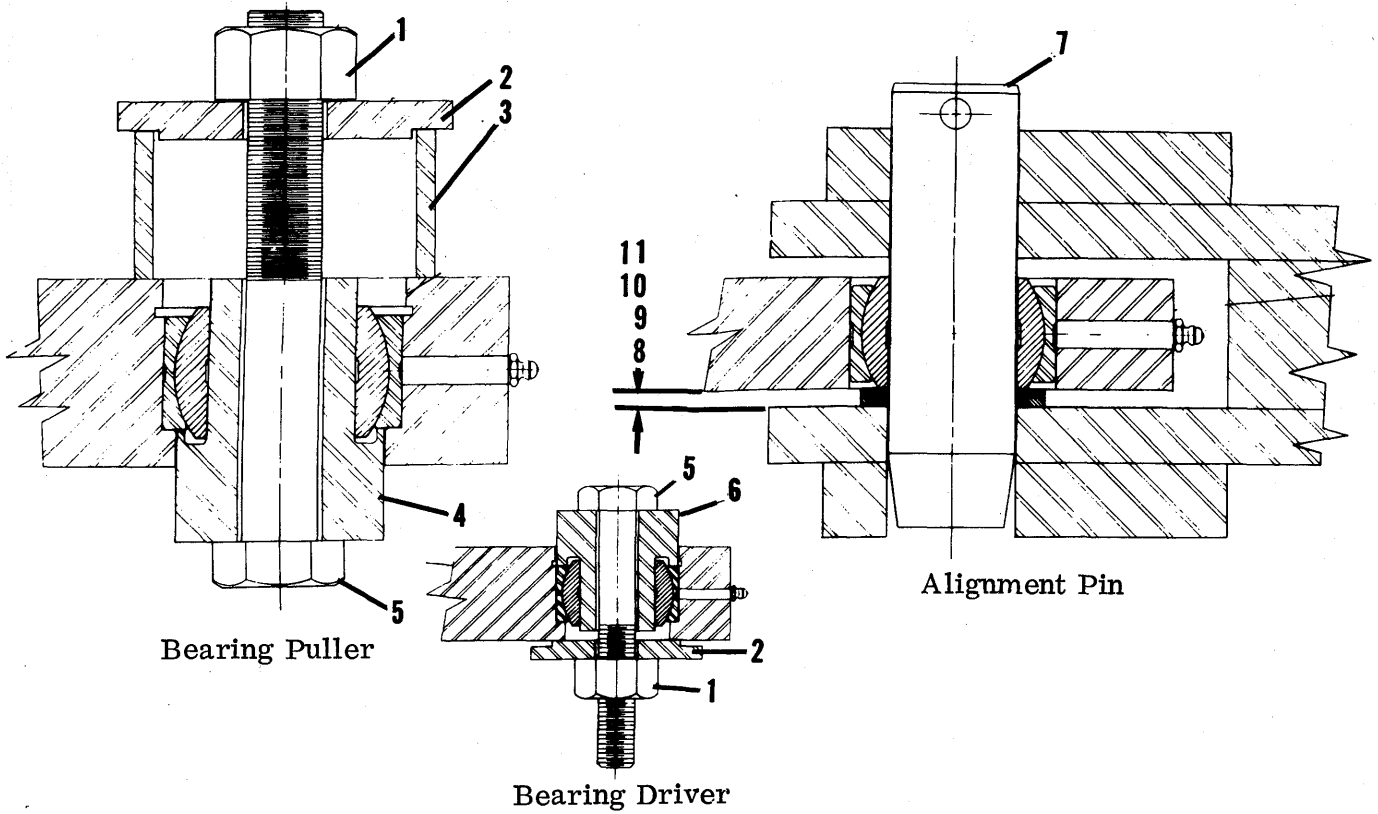
ITEM	NUMBER	QTY.	DESCRIPTION
—	—	1	VALVE KIT, steering brake (Incl. Items 1 thru 5)
1	1007224-7	1	VALVE, selector
2	0915661-3	1	ELBOW, 90°, 1/8 pipe to 5/16 tube
3	0915856-9	2	CONNECTOR, str., 1/8 pipe to 5/16 tube
4	1007225-4	1	SWITCH, toggle
5	0917425-1	2	PLUG, 1/8 pipe
6	1007226-2	1	DECAL, instructions
7	1007206-4	1	TUBE ASY., brake tee to R.H, wheel cylinder
8	1007207-2	1	TUBE ASY., brake tee to L.H, wheel cylinder
9	1007257-7	1	BOX ASY., control
10	1007258-5	1	COVER, control box, bottom
11	0923919-5	2	SCREW, self-tapping, 1/4NC x 1/2
12	0928304-5	1	GROMMET
13	1007227-0	1	HARNES, wire
14	0925616-5	4	CLAMP, insulated
15	0925094-5	10	TIE, self-locking



CM YELLOW PAINT  
REPAINTING OR RETOUCHING PAINT



ASSEMBLY TOOL KIT  
BACKHOE MTG.



816 & 816B TRACTORS  
ATTACHMENTS

267

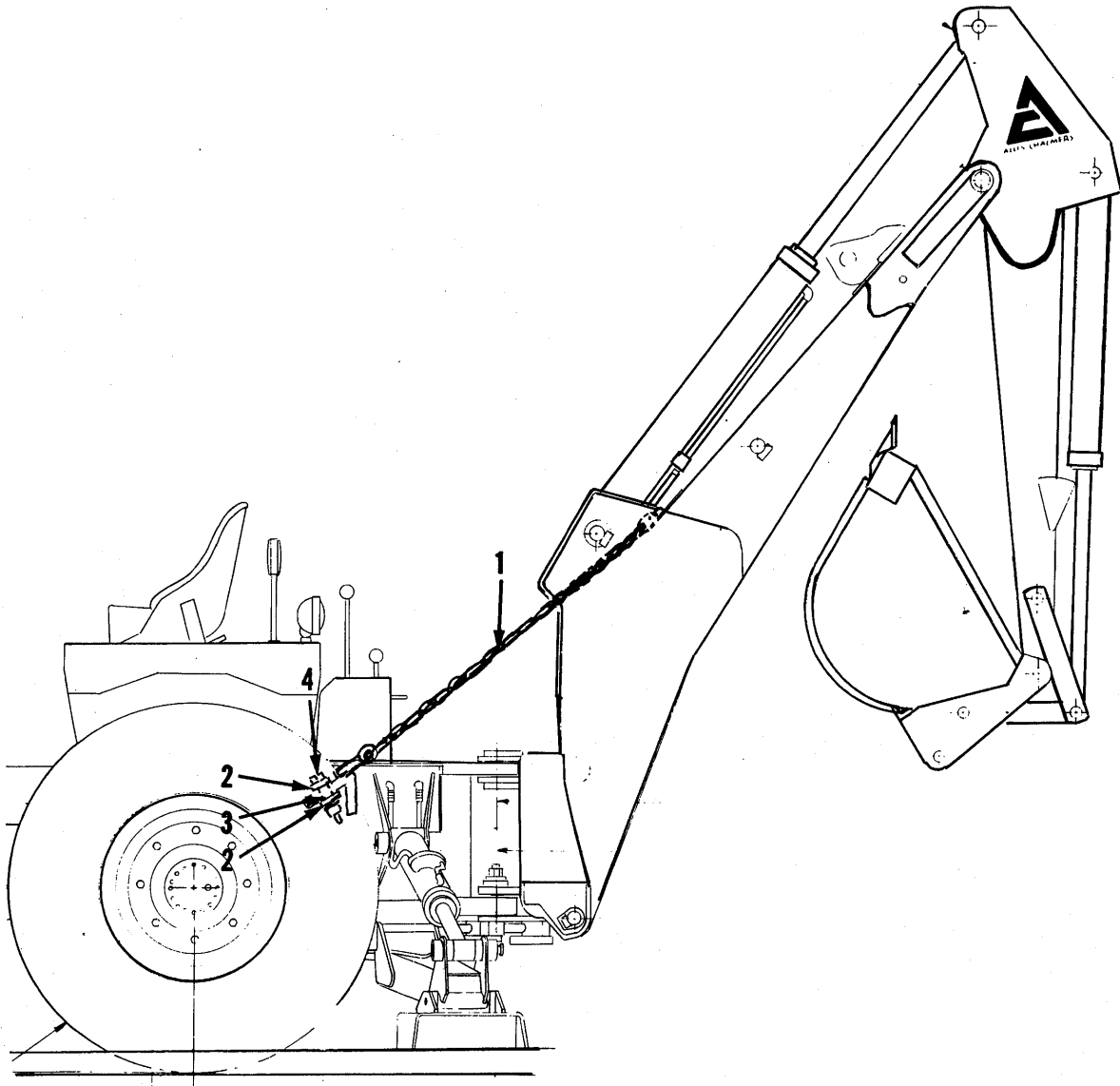
CM YELLOW PAINT  
REPAINTING OR RETOUCHING PAINT

ITEM	NUMBER	QTY.	DESCRIPTION
1	0925108-3	1	CAN, spray, 12 oz.
2	0925109-1	1	CAN, qt. size
3	0925110-9	1	CAN, gallon
4	0925111-7	1	CAN, 5-gallon (Use 925110)

ASSEMBLY TOOL KIT  
BACKHOE MTG.

ITEM	NUMBER	QTY.	DESCRIPTION
-	1001823-2	1	TOOL KIT, assembly (Incls. Items 1 thru 13)
1	0910206-2	1	NUT
2	1001808-3	1	WASHER
3	1001807-5	1	SPACER
4	1007048-0	1	BEARING, puller (2.00)
5	1001810-9	1	CAPSCREW
6	1007043-1	1	BEARING, driver (2.00)
7	1001799-4	1	PIN, asy. (1-3/4 dia.)
8	1006675-1	2	SHIM (.25 thick)
9	1006676-9	2	SHIM (.12 thick)
10	1006677-7	4	SHIM (.06 thick)
11	1006678-5	4	SHIM (.03 thick)
12	1007042-3	1	BEARING, driver, top bearing (1-3/4) (Not shown)
13	1001798-6	1	PIN, asy. (2.00 dia.) (Not shown)

TRANSPORT CHAIN



816 & 816B TRACTORS  
ATTACHMENTS

269

TRANSPORT CHAIN

ITEM	NUMBER	QTY.	DESCRIPTION
-	-----	1	CHAIN GROUP, transport (Incls. Items 1 thru 4) (Order from MACHINERY)
1	-----	2	CHAIN, transport
2	0924367-6	4	WASHER
3	0919388-9	4	WASHER
4	0924774-3	2	CAPSCREW
	0917373-3	2	LOCKWASHER, 5/8
	0915726-4	2	NUT, 5/8NC

## RECOMMENDED DEALER STOCK

NOTE: This parts stock list indicates those items recommended to service FIVE units.

QTY.	PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION
3	0229966-7	SEAL, oil	2	4999357-9	GASKET
1	0236335-6	BRUSH	4	4999358-7	GASKET
20	0237000-5	ELEMENT, oil filter			
1	0239432-8	BUSHING			
1	0241965-3	SWITCH, ignition			
1	0241977-8	KEY, ignition			
2	0243473-6	BATTERY, dry			
1	0243828-1	SWITCH ASY.			
1	0251047-7	SEAL, crankshaft			
1	0251284-6	GASKET			
2	0251294-5	WASHER			
10	0251397-6	ELEMENT, fuel filter			
1	0255200-8	BELT, fan			
1	0258627-9	PLATE			
1	0643022-7	REPAIR KIT, pwr. cyl.			
2	1001199-7	BUSHING			
1	1001214-4	PIN			
2	1001217-7	PIN			
1	1002370-3	DEFLECTOR, seal			
2	1002935-3	ROLLER			
10	1004652-2	ELEMENT, air filter			
1	1005101-9	INJECTOR, fuel			
1	1005837-8	PINION			
1	1006225-5	JOINT			
1	1006345-1	PIN			
1	1006685-0	PIN			
1	1006821-1	SLEEVE, oil seal			
1	1006864-1	SEAL, oil			
1	1007663-6	PISTON, engine			
1	1007664-4	RING SET			
1	1007688-3	LINER			
1	1010152-5	POINT, tooth			
1	1010230-9	REPAIR KIT, master cyl.			
1	1013424-5	END, pwr. cyl.			
1	1014121-6	FILTER ASY.			
5	1019962-8	ELEMENT KIT, filter			
1	1043997-4	WASHER			
1	2017635-0	PIN			
1	2017636-8	POINT			
1	3024767-0	WASHER			
1	4009058-1	SWITCH			
1	4253326-5	BEARING, needle			
1	4254666-3	SEAL, oil			
3	4254697-8	SEAL, oil			
20	4511629-0	ELEMENT, oil filter			
1	4760149-7	SENDING UNIT			
1	4818262-0	GAUGE, temp.			
1	4818263-8	AMMETER			
4	4824293-7	BASE ASY., filter			
1	4829439-1	BUSHING			
1	4905789-6	GASKET, case			
1	4909118-4	GASKET, case			
3	4981218-3	ROLLER, bearing			
1	4987593-3	GEAR			
1	4987600-6	RING, sealing			
1	4987606-3	RING, sealing			
1	4987607-1	RING, sealing			
20	4987611-3	SPRING			
1	4987633-7	RETAINER			
1	4987642-8	GASKET			
1	4988061-0	VALVE			
1	4988062-8	SPRING			
1	4988116-2	STOP			
1	4989049-4	PLUNGER			
1	4995592-5	RING, seal			
1	4997587-3	WASHER			