

DEC 10 1957

**TE-7A
INTERNATIONAL®
PARTS CATALOG**



**HYDRAULIC
MODEL 14D-2 BULLDOZER
MODEL 14DN-2 BULLDOZER
and
MODEL 14G-2 BULLGRADER
MODEL 14GN-2 BULLGRADER**

for use with

TD-14—142 SERIES CRAWLER TRACTOR

This catalog supersedes the TE-7 and 1013 163 R1, which should be destroyed.

INTERNATIONAL HARVESTER COMPANY
180 North Michigan Avenue Chicago 1, Illinois, U.S.A.

INTRODUCTION

This catalog contains a complete list of parts for the following Hydraulic Bullgraders and Bulldozers:

Model 14G-2 Bullgrader
Model 14D-2 Bulldozer
Model 14GN-2 Bullgrader
Model 14DN-2 Bulldozer

(Refer to paragraph 8 for key to model numbers and letters.)

The parts in this catalog are grouped according to their location on the above Units. The groups are preceded by an "exploded view" which shows the part in its correct location relative to the other parts in the illustration.

Following is a brief summary of the simplified system used in compiling this catalog. It is to your benefit to study it carefully.

(1) Parts Numbers. In cases where the part number suffix letters have been advanced, the new part will replace the old unless otherwise indicated. For example, part numbers with suffix letters DB will work for D or DA. When "R" suffix is used R2 will work for R1, R12 will work for R11, R21 will work for R11 and R92 will work for R91.

(2) Illustrations. The "exploded views" of each unit show the individual parts clearly and in their proper relationship to each other. This method of illustrating makes it easy to locate parts, whether they are ordered by description or part number. Reference numbers only are shown in each illustration. These numbers correspond to those in the reference number column in the list of parts which follows each "exploded view."

(3) Method of Listing. The parts list is divided into units. Parts are listed in order according to reference number shown in the illustration, followed by a full description based upon the "noun first" method—i.e.,

the noun name of the part is listed first then the modifying descriptive information which serves to specifically identify the item. (Parts not shown in illustrations appear at end of list in alphabetical sequence by noun name.) Parts listed will work on all units covered in this catalog unless a serial number or other qualifying designation is given for purpose of identification. The right hand column shows the quantity used per unit.

Throughout this catalog the term "Front" indicates the radiator end and "Rear" indicates the drawbar end of the unit. Whenever the terms "Right" or "Left" are used it should be understood to mean from a rear position looking toward the radiator end.

(4) Partial Assemblies and Complete Assemblies. You will also find some numbers are followed by the suffix R11 (one, one) through R89 (eight, nine) and R91 (nine, one) through R99 (nine, nine). The suffix R11 indicates an assembly of parts which may be either a partial or a complete assembly. The suffix R91, in nearly all cases, indicates a complete assembly.

Items consisting of two or more components not serviced separately are so supplied because disassembly of the components is considered impractical.

Component parts of assemblies are listed immediately following the assembly itself, excepting those made up of less than four parts, which are fully covered by description.

In cases where the individual parts of an assembly are not available for service, those parts are marked with the symbol §. In some instances, such individual parts are shown in the "Unit Lists" with a notation giving the part number which is to be used when ordering.

(5) Abbreviations. The abbreviations used in this catalog are explained in the list of abbreviations on page 4.

(6) Index. On page 3 you will find an alphabetical index. This index should be used to locate unit lists and illustrations. A numerical index at the back of the catalog contains a complete list of parts showing the page numbers where each part is listed and described.



INTRODUCTION—Continued

(7) Standard Parts. The so-called "Hardware" items—such as bolts, screws, nuts, etc., are in most cases indented and listed under the individual parts with which they are used. They should be ordered by "Part Number," description and size, as they are not component parts of the pieces they attach.

Hardware parts having special part numbers are especially made for their location and should never be substituted with regular standard parts.

(8) Serial Numbers and Letters. Bulldozer and Bullgrader Serial Numbers start with 501. These are stamped on the name plate on the back of the blade at

the top of the right hand corner. Following are the prefixes and letters, which precede the serial numbers, for these units.

Model	Prefix Letters
14D-2 Bulldozer	14D-2
14G-2 Bullgrader	14G-2
14DN-2 (Narrow Gauge)	14DN-2
14GN-2 (Narrow Gauge)	14GN-2

LETTER CODE

G—Bullgrader
D—Bulldozer
N—Narrow Gauge

INSTRUCTIONS FOR ORDERING PARTS

- (a) All parts orders should be sent to the parts depot when so instructed. Give complete address, state the county and railroad station (when shipping point is different than post office), also whether shipment is to go by parcel post, express, truck, or freight.
- (b) When ordering parts, give the IH part number, including suffix or prefix letters. To facilitate identification of these parts, "Serial Numbers" assigned to machines, if any, should be furnished.
- (c) Parts should be ordered on the standard parts order blank. The parts should be arranged in sequence by part numbers to facilitate service on orders at the parts depot.
- (d) Claims for shortage or error in the handling of an order for parts must be made upon receipt of goods.

It is the policy of International Harvester Company to improve its products whenever it is possible and practical to do so.

We reserve the right to make changes or add improvements in the design or construction of parts at any time without incurring the obligation to install such changes on units previously delivered.



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LIST OF ABBREVIATIONS

Always use period after abbreviations except after w/, w/o, f/, and those fully capitalized.

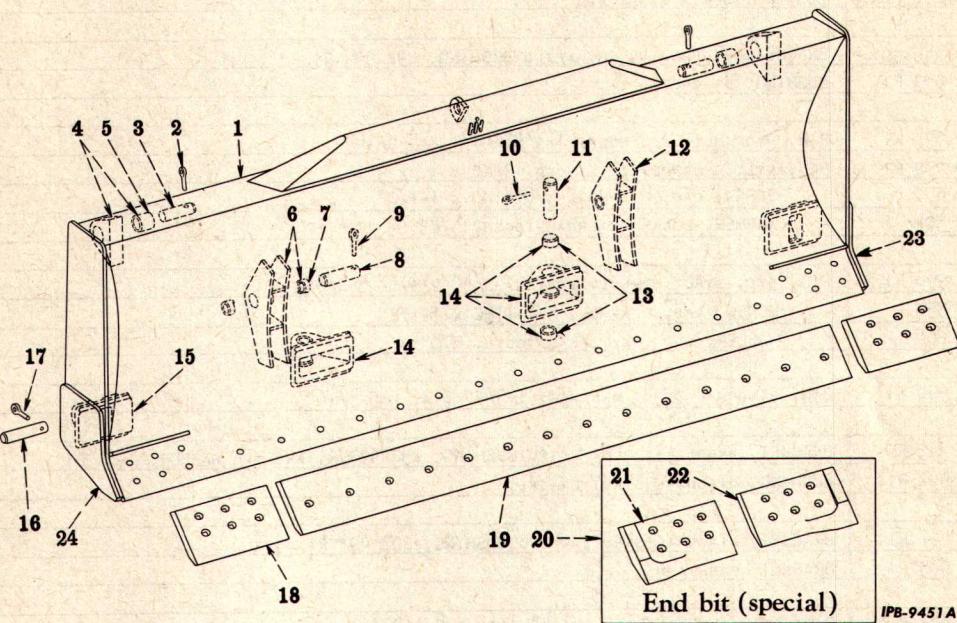
al.	aluminum	in.	inch or inches
aly-stl.	alloy steel	lbs.	pounds
amps.	ampères	lentil-hd.	lentil head
anl.	annealed	LH	left hand
approx.	approximately	lkg.	locking
bd-hd.	binding head	mach.	machine
b-hd.	button head	MI	malleable iron
brs.	brass	NC	National Coarse Thread
brz.	bronze	NF	National Fine Thread
cd-pltd.	cadmium plated	ni.	nickel
cd-pltd-stl.	cadmium plated steel	ni-pltd-stl.	nickel plated steel
cr-pltd.	chromium plated	No.	number
cr-pltd-stl.	chromium plated steel	NPT	National pipe thread
CI	cast iron	OC	outside circumference
csk.	countersunk	OD	outside diameter
csk-hd.	countersunk head	ov-hd.	oval head
cl-rec-hd.	clutch recess head	oz.	ounce
cone-pt.	cone point	parkerized-stl.	parkerized steel
contd.	continued	pltd.	plated
cop.	copper	pt.	point
cop-pltd.	copper plated	rd-end	round end
c-pin	cotter pin	rd-hd.	round head
cres.	corrosion-resistant-steel (stainless)	rd-pt.	round point
cr-rec-hd.	cross recess head	reg.	regular
cre.	corrosion resisting	RH	right hand
cup-pt.	cup point	SAE	Society of Automotive Engineers
cyls.	cylinders	sf.	semi-finished
dia.	diameter	slt-hd.	slotted head
dld.	drilled	slt-bd-hd.	slotted binding head
dld-f/c-pin	drilled for cotter pin	slt-fil-hd.	slotted fillister head
dld-f/lkg-wire	drilled for locking wire	slt-fl-hd.	slotted flat head
dog-pt.	dog point	slt-pan-hd.	slotted pan head
f/	for	slt-rd-hd.	slotted round head
fil-hd.	fillister head	sq.	square
fin-nk.	fin neck	sq-hd.	square head
f-csk-hd.	flat countersunk head	sq-nk.	square neck
f-fil-hd	flat fillister head	std.	standard
f-hd.	flat head	std-hd.	standard head
f-pt.	flat-point	stl.	steel
flex.	flexible	T	teeth
ft.	foot (or feet)	thd.	thread
ga.	gauge	unfin.	unfinished
hd.	head	wagon-box-hd.	wagon box head
hdl.s.	headless	w/	with
hex.	hexagon	w/brz.	with bronze
hex-hd.	hexagonal-head	w/hex.	with hexagon
hex-soc-hd.	hexagon socket head	w/o	without
hp.	horsepower	zn.	zinc
hv.	heavy	zn-ct.	zinc coated
ID	inside diameter	zn-pltd.	zinc plated

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HYDRAULIC BULLGRADERS AND BULLDOZERS



BLADE
(Used with 14D-2)



IPB-9451A

REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	294 340 R91	BLADE, W/EDGE AND BITS, ASSEMBLY (COMPOSED OF - 2 BIT 293 030 RI 1 BLADE 294 343 R91 20 BOLT 293 056 RII 6 BOLT 293 057 RII 1 EDGE 290 492 R2 1 PLATE 292 980 RI 4 SCREW 145 388)		1
1	294 343 R91	BLADE, LESS EDGE AND BITS, ASSEMBLY (COMPOSED OF - 1 BRACKET 294 345 R91 1 BRACKET 294 346 R91 4 BUSHING 292 992 RI 1 LUG 294 018 RII 1 PLATE 290 479 RI 1 PLATE 290 480 RI)		1
2	290 279 RI	PIN, EYE, STRUT, 3/4" DIA. X 3"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2

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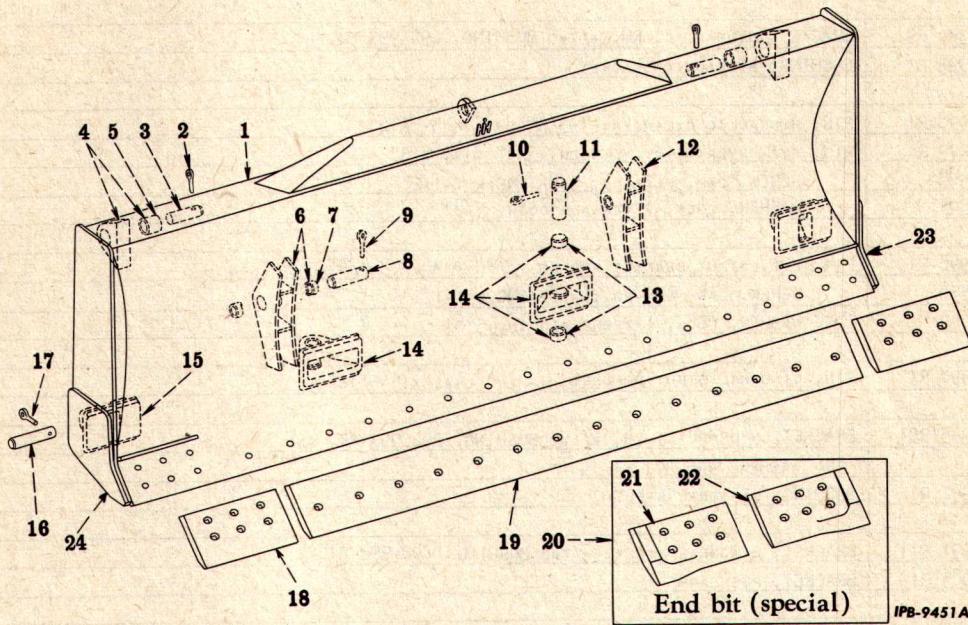
HYDRAULIC BULLGRADERS AND BULLDOZERS



REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
BLADE - Continued (Used with 14D-2)				
3	290 998 RI	PIN, STRUT, 1-3/4" DIA. X 5-5/16"		2
4	294 018 RII	LUG, UPPER STRUT, W/BUSHING, 290 290 R2		2
5	290 290 R2	BUSHING, UPPER STRUT LUG		2
6	294 346 R91	BRACKET, HYDRAULIC, RH, W/TWO BUSHING, 292 993 RI		1
7	292 993 RI	BUSHING, BRACKET		4
8	290 998 RI	PIN, HYDRAULIC CYLINDER, 1-3/4" DIA. X 5-5/16"		2
9	290 279 RI	PIN, EYE, HYDRAULIC CYLINDER, 3/4" DIA. X 3"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	138 504	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
10	290 996 RI	PIN, EYE, STRUT BRACKET SPRING, 3/4" DIA. X 3-1/4"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
11	290 998 RI	PIN, DIAGONAL STRUT BRACKET, 1-3/4" DIA. X 5-5/16"		2
12	294 345 R91	BRACKET, HYDRAULIC, LH, W/TWO BUSHING, 292 993 RI AND TWO WASHER, 446 301		1
13	292 992 RI	BUSHING, DIAGONAL STRUT BRACKET		4
14	292 991 RII	BRACKET, DIAGONAL STRUT, W/TWO BUSHING, 292 992 RI		2
15	292 985 RI	BRACKET, PUSH ARM		2
16	292 982 RI	PIN, PUSH ARM BRACKET, 1-3/4" DIA. X 8-1/32"		2
17	290 279 RI	PIN, EYE, PUSH ARM BRACKET, 3/4" DIA. X 3"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
18	293 030 RI	BIT, END (NOT HEAVY DUTY)		2
	293 056 RII	BOLT, PLOW (2-3/8" LONG) W/NUT, 220 081		6
	293 057 RII	BOLT, PLOW (3-3/8" LONG) W/NUT, 220 081		6
19	290 492 R2	EDGE, CUTTING (84" LONG)		1
	293 056 RII	BOLT, PLOW, W/NUT, 220 081		14
20	296 229 R91	ATTACHMENT, END BIT (CAST STL.) (SEE NOTE)		1
21	290 494 RI	BIT, END, RH (HEAVY DUTY) (SPECIAL)		1
	293 056 RII	BOLT, PLOW (2-3/8" LONG) W/NUT, 220 081		6
	293 057 RII	BOLT, PLOW (3-3/8" LONG) W/NUT, 220 081		6
22	290 493 RI	BIT, END, LH (HEAVY DUTY) (SPECIAL)		1
	293 056 RII	BOLT, PLOW (2-3/8" LONG) W/NUT, 220 081		6
	293 057 RII	BOLT, PLOW (3-3/8" LONG) W/NUT, 220 081		6
23	290 479 RI	PLATE, REINFORCING, END BIT - LH		1
24	290 480 RI	PLATE, REINFORCING, END BIT - RH		
	220 081	NUT, HEX., 3/4-10NC		26
	292 980 RI	PLATE, CAUTION		1
	145 388	SCREW, DRIVE, RD-HD., BLUNT, No. 14 x 1/2"		4
	145 388	SCREW, DRIVE, RD., BLUNT, No. 14 x 1/2" (USED TO ATTACH SERIAL NUMBER PLATE)		4
NOTE - FACTORY APPLICATION - ORDER ON MACHINE ORDER FORM				
FIELD APPLICATION - ORDER THROUGH REGULAR SERVICE PARTS CHANNELS				
PRINTED IN UNITED STATES OF AMERICA				

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HYDRAULIC BULLGRADERS AND BULLDOZERS

BLADE
(Used with 14DN-2)

IPB-9451A

REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	295 949 R91	BLADE, w/EDGE AND BITS, ASSEMBLY (COMPOSED OF - 2 BIT 293 030 RI 1 BLADE 295 975 R91 17 BOLT 293 056 RII 6 BOLT 293 057 RII 1 EDGE 295 948 RI)		1
1	295 975 R91	BLADE, LESS EDGE AND BITS, ASSEMBLY (COMPOSED OF - 1 BRACKET 294 345 R91 1 BRACKET 294 346 R91 4 BUSHING 292 992 RI 2 LUG 294 018 RII 1 PLATE 292 980 RI 4 SCREW 145 388 1 PLATE 290 479 RI 1 PLATE 290 480 RI)		1
2	290 279 RI	PIN, EYE, STRUT, 3/4" DIA. X 3"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOT, 5/8"		2

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HYDRAULIC BULLGRADERS AND BULLDOZERS



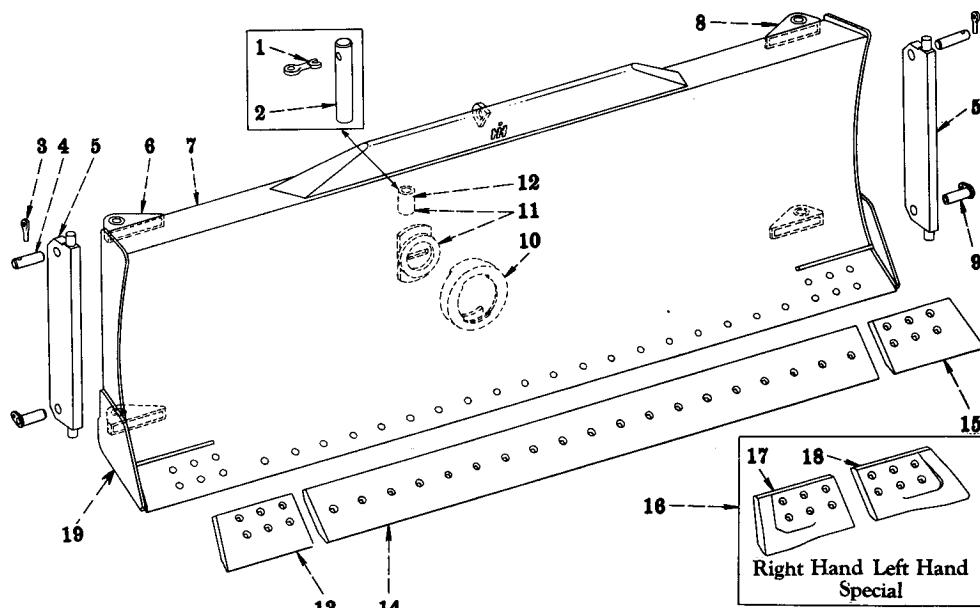
REF. NO.	ITEM PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
BLADE - Continued (Used with 14DN-2)				
3	290 998 RI	PIN, STRUT, 1-3/4" DIA. X 5-5/16"		2
4	294 018 RII	LUG, UPPER STRUT, W/BUSHING, 290 290 R2		2
5	290 290 R2	BUSHING, UPPER STRUT LUG		2
6	294 346 R9I	BRACKET, HYDRAULIC, RH, W/TWO BUSHING, 292 993 RI		1
7	292 993 RI	BUSHING, HYDRAULIC BRACKET		4
8	290 998 RI	PIN, HYDRAULIC CYLINDER, 1-3/4" DIA. X 5-5/16"		2
9	290 279 RI	PIN, EYE, HYDRAULIC CYLINDER, 3/4" DIA. X 3"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	138 504	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
10	290 996 RI	PIN, EYE, STRUT BRACKET SPRING, 3/4" DIA. X 3-1/4"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
11	290 998 RI	PIN, DIAGONAL STRUT BRACKET, 1-3/4" DIA. X 5-5/16"		2
12	294 345 R9I	BRACKET, HYDRAULIC, LH, W/TWO BUSHING, 292 993 RI, AND TWO WASHER, 446 301		1
13	292 992 RI	BUSHING, DIAGONAL STRUT		4
14	292 991 RII	BRACKET, DIAGONAL STRUT, W/TWO BUSHING, 292 992 RI		2
15	292 985 RI	BRACKET, PUSH ARM		2
16	292 982 RI	PIN, PUSH ARM BRACKET, 1-3/4" DIA. X 8-1/32"		2
17	290 279 RI	PIN, EYE, PUSH ARM BRACKET, 3/4" DIA. X 3"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
18	293 030 RI	BIT, END (NOT HEAVY DUTY)		2
	293 056 RII	BOLT, PLOW, (2-3/8" LONG) W/NUT, 220 081		6
	293 057 RII	BOLT, PLOW, (3-3/8" LONG) W/NUT, 220 081		6
19	295 948 RI	EDGE, CUTTING (64-3/4" LONG)		1
	293 056 RII	BOLT, PLOW, W/NUT, 220 081		11
20	296 229 R9I	ATTACHMENT, END BIT (CAST STL.) (SEE NOTE)		1
21	290 494 RI	BIT, END, RH (HEAVY DUTY) (SPECIAL)		1
	293 056 RII	BOLT, PLOW, (2-3/8" LONG) W/NUT, 220 081		3
	293 057 RII	BOLT, PLOW, (3-3/8" LONG) W/NUT, 220 081		3
22	290 493 RI	BIT, END, LH (HEAVY DUTY) (SPECIAL)		1
	293 056 RII	BOLT, PLOW, (2-3/8" LONG) W/NUT, 220 081		3
	293 057 RII	BOLT, PLOW, (3-3/8" LONG) W/NUT, 220 081		3
23	290 479 RI	PLATE, REINFORCING, END BIT - LH		1
24	290 480 RI	PLATE, REINFORCING, END BIT - RH		1
	220 081	NUT, HEX., 3/4-10NC		23
	292 980 RI	PLATE, CAUTION		1
	145 388	SCREW, DRIVE, RD-HD., BLUNT, NO. 14 X 1/2"		4
	145 388	SCREW, DRIVE, RD-HD., BLUNT, NO. 14 X 1/2" (USED TO ATTACH SERIAL NUMBER PLATE)		4
		NOTE - FACTORY APPLICATION - ORDER ON MACHINE ORDER FORM		
		FIELD APPLICATION - ORDER THROUGH REGULAR SERVICE PARTS CHANNELS		
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HYDRAULIC BULLGRADERS AND BULLDOZERS



BLADE
(Used with 14G-2)



IPB-9447A

REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	290 996 RI	PIN, EYE, CROSS HEAD CLEVIS SPRING, 3/4" DIA. X 3-1/4"		1
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		1
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		1
2	290 995 RI	PIN, CROSS HD. CLEVIS, 1-7/8" DIA. X 9-1/8"		1
3	290 279 RI	PIN, EYE, STRUT, 3/4" DIA. X 3"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
4	290 998 RI	PIN, STRUT, 1-3/4"-DIA. X 5-5/16"		2
5	294 046 R2	SWIVEL, STRUT		2
6	294 044 RII	LUG, STRUT SWIVEL, w/BUSHING (LOWER LH AND UPPER RH)		2
7	294 032 R91	BLADE, w/EDGE AND BITS, ASSEMBLY (COMPOSED OF -		1
		1 BIT 293 607 RI		
		1 BIT 293 608 RI		
		1 BLADE 294 039 RI		
		25 BOLT 293 056 RII		
		6 BOLT 293 057 RII		
		1 EDGE 290 467 R2)		

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HYDRAULIC BULLGRADERS AND BULLDOZERS



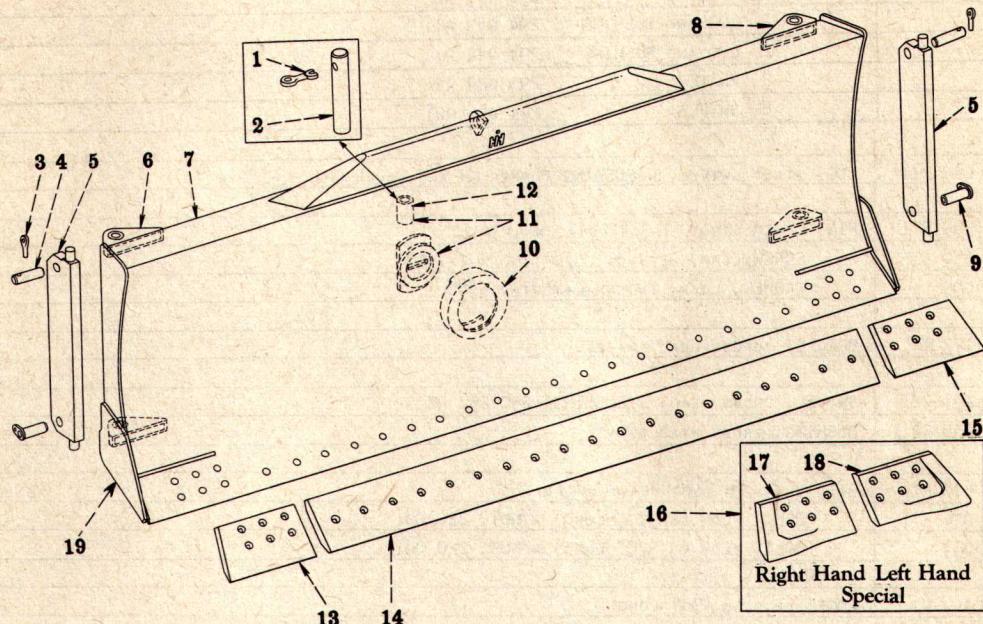
REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO REQ'D
BLADE - Continued (Used with 14G-2)				
7	294 039 R91	BLADE, LESS EDGE AND BITS, ASSEMBLY (COMPOSED OF - 1 BRACKET 290 173 R2 2 LUG AND BUSHING 294 043 RII 2 LUG AND BUSHING 294 044 RII 2 PLATE 293 029 R2 2 SWIVEL 294 046 R2)		1
8	294 043 RII	LUG, STRUT SWIVEL, w/BUSHING (UPPER LH AND LOWER RH)		2
9	290 999 RII	PIN, LOWER STRUT, 1-3/4" DIA. x 4-3/16"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
10	290 173 R2	BRACKET, CROSS HD. SWIVEL		1
11	290 251 R2I	SWIVEL, CROSS HD. w/BUSHING, 290 252 R2		1
12	290 252 R2	BUSHING, CROSS HD. SWIVEL		1
13	293 608 RI	BIT, END, RH (NOT HEAVY DUTY)		1
	293 056 RII	BOLT, PLOW (2-3/8" LONG) w/NUT, 220 081		3
	293 057 RII	BOLT, PLOW (3-3/8" LONG) w/NUT, 220 081		3
14	290 467 R2	EDGE, CUTTING (114" LONG)		1
	293 056 RII	BOLT, PLOW (2-3/8" LONG) w/NUT, 220 081		19
15	293 607 RI	BIT, END, LH (NOT HEAVY DUTY)		1
	293 056 RII	BOLT, PLOW (2-3/8" LONG) w/NUT, 220 081		3
	293 057 RII	BOLT, PLOW (3-3/8" LONG) w/NUT, 220 081		3
16	296 230 R91	ATTACHMENT, END BIT (CAST STL.) (SEE NOTE)		1
17	290 469 RI	BIT, END, RH (HEAVY DUTY) (SPECIAL)		1
	293 056 RII	BOLT, PLOW (2-3/8" LONG) w/NUT, 220 081		3
	293 057 RII	BOLT, PLOW (3-3/8" LONG) w/NUT, 220 081		3
18	290 468 RI	BIT, END, LH (HEAVY DUTY) (SPECIAL)		1
	293 056 RII	BOLT, PLOW (2-3/8" LONG) w/NUT, 220 081		3
	293 057 RII	BOLT, PLOW (3-3/8" LONG) w/NUT, 220 081		3
19	293 029 R2	PLATE, REINFORCING, END BIT		2
	220 081	NUT, HEX., 3/4-10NC		31
	145 388	SCREW, DRIVE, RD-HD., BLUNT, No. 14 x 1/2" (USED TO ATTACH SERIAL NUMBER PLATE)		4
NOTE - FACTORY APPLICATION - ORDER ON MACHINE ORDER FORM				
FIELD APPLICATION - ORDER THROUGH REGULAR SERVICE PARTS CHANNELS				
PRINTED IN UNITED STATES OF AMERICA				

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HYDRAULIC BULLGRADERS AND BULLDOZERS



BLADE
(Used with 14GN-2)



IPB-9447A

REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	290 996 RI	PIN, EYE, CROSS HEAD CLEVIS SPRING, 3/4" DIA. X 3-1/4"		1
	271 558	SCREW, CAP, HEX-HD., 5/8-1INC X 1-1/2"		1
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		1
2	290 995 RI	PIN, CROSS HEAD CLEVIS, 1-7/8" X 9-1/8"		1
3	290 279 RI	PIN, EYE, STRUT, 3/4" DIA. X 3"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-1INC X 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
4	290 998 RI	PIN, STRUT, 1-3/4" DIA. X 5-5/16"		2
5	294 046 R2	SWIVEL, STRUT		2
6	294 044 RII	LUG, STRUT SWIVEL, W/BUSHING, (UPPER RH AND LOWER LH)		2
7	295 933 R91	BLADE, w/EDGE AND BITS, ASSEMBLY (COMPOSED OF -		1
		1 BIT 293 607 RI		
		1 BIT 293 608 RI		
		1 BLADE 295 934 R91		
		22 BOLT 293 056 RII		
		6 BOLT 293 057 RII		
		1 EDGE 295 939 RI)		

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HYDRAULIC BULLGRADERS AND BULLDOZERS



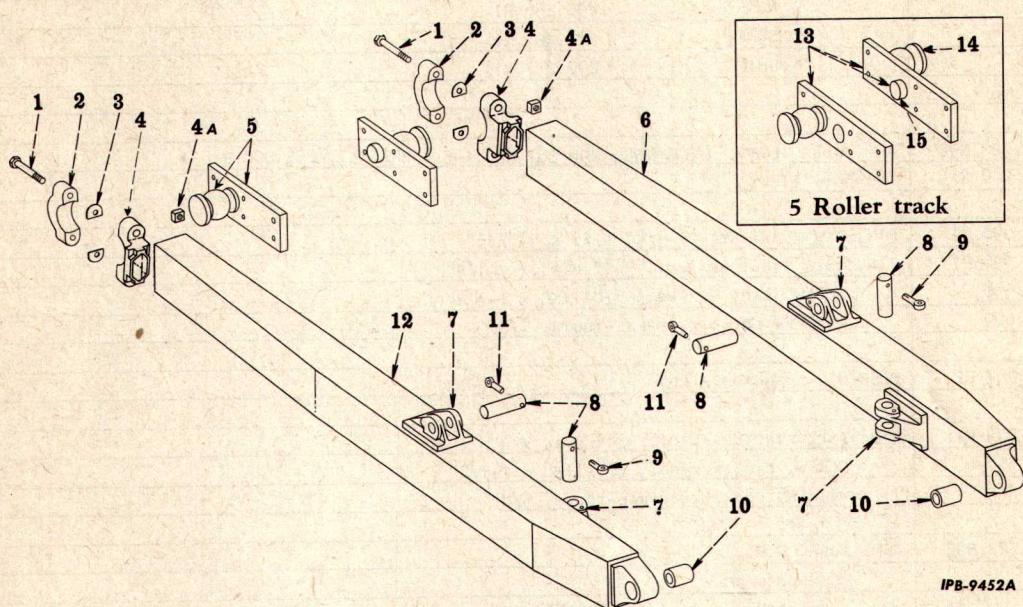
REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
BLADE - Continued (Used with 14GN-2)				
7	295 934 R91	BLADE, LESS EDGE AND BITS (COMPOSED OF - 1 BRACKET 290 173 R2 2 LUG AND BUSHING 294 043 RII 2 LUG AND BUSHING 294 944 RII 2 PLATE 293 029 R2 2 SWIVEL 294 046 R2)		1
8	294 043 RII	LUG, STRUT SWIVEL, w/BUSHING (UPPER LH AND LOWER RH)		2
9	290 999 RII	PIN, LOWER STRUT, 1-3/4" DIA. x 4-3/16"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC x 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
10	290 173 R2	BRACKET, CROSS HEAD SWIVEL		1
11	290 251 R2I	SWIVEL, CROSS HEAD, w/BUSHING, 290 252 R2		1
12	290 252 R2	BUSHING, CROSS HEAD SWIVEL		1
13	293 608 RI	BIT, END, RH (NOT HEAVY DUTY)		1
	293 056 RII	BOLT, PLOW (2-3/8" LONG) w/NUT, 220 081		3
	293 057	BOLT, PLOW (3-3/8" LONG) w/NUT, 220 081		3
14	295 939 RI	EDGE, CUTTING (96" LONG)		1
	293 056 RII	BOLT, PLOW, w/NUT, 220 081		16
15	293 607 RI	BIT, END, LH (NOT HEAVY DUTY)		1
	293 056 RII	BOLT, PLOW (2-3/8" LONG) w/NUT, 220 081		3
	293 057 RII	BOLT, PLOW (3-3/8" LONG) w/NUT, 220 081		3
16	296 230 R91	ATTACHMENT, END BIT (CAST STEEL) (SEE NOTE)		1
17	290 469 RI	BIT, END, RH (HEAVY DUTY) (SPECIAL)		1
	293 056 RII	BOLT, PLOW (2-3/8" LONG) w/NUT, 220 081		3
	293 057 RII	BOLT, PLOW (3-3/8" LONG) w/NUT, 220 081		3
18	290 468 RI	BIT, END, LH (HEAVY DUTY) (SPECIAL)		1
	293 056 RII	BOLT, PLOW (2-3/8" LONG) w/NUT, 220 081		3
	293 057 RII	BOLT, PLOW (3-3/8" LONG) w/NUT, 220 081		3
19	293 029 R2	PLATE, REINFORCING, END BIT		2
	220 081	NUT, HEX., 3/4-10NC		28
	145 388	SCREW, DRIVE, RD-HD., BLUNT, No. 14 x 1/2" (USED TO ATTACH SERIAL NUMBER PLATE)		4
NOTE - FACTORY APPLICATION - ORDER ON MACHINE ORDER FORM				
FIELD APPLICATION - ORDER THROUGH REGULAR SERVICE PARTS CHANNELS				
PRINTED IN UNITED STATES OF AMERICA				

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HYDRAULIC BULLGRADERS AND BULLDOZERS



BULLDOZER PUSH ARMS



REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	18 307 RI	FOLLOWS REFERENCE No. 2		
2	290 255 RI	CAP, TRUNNION BEARING		2
	290 256 RI	NUT, TRUNNION BEARING CAP		4
	18 307 RI	SCREW, CAP, HEX-HD., 1-8NC x 6"		4
3	290 257 RI	SHIM, TRUNNION BEARING CAP		16
4	293 046 RI	BEARING, TRUNNION		2
4A	290 256 RI	FOLLOWS REFERENCE No. 2		
5	293 003 RII	PLATE, w/TRUNNION, 293 003 RI		2
	271 656	SCREW, CAP, HEX-HD., 7/8-9NC x 2"		12
	138 510	WASHER, LOCK, EXTERNAL-TOOTH, 7/8"		12
5A	293 003 RI	TRUNNION		2

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HYDRAULIC BULLGRADERS AND BULLDOZERS



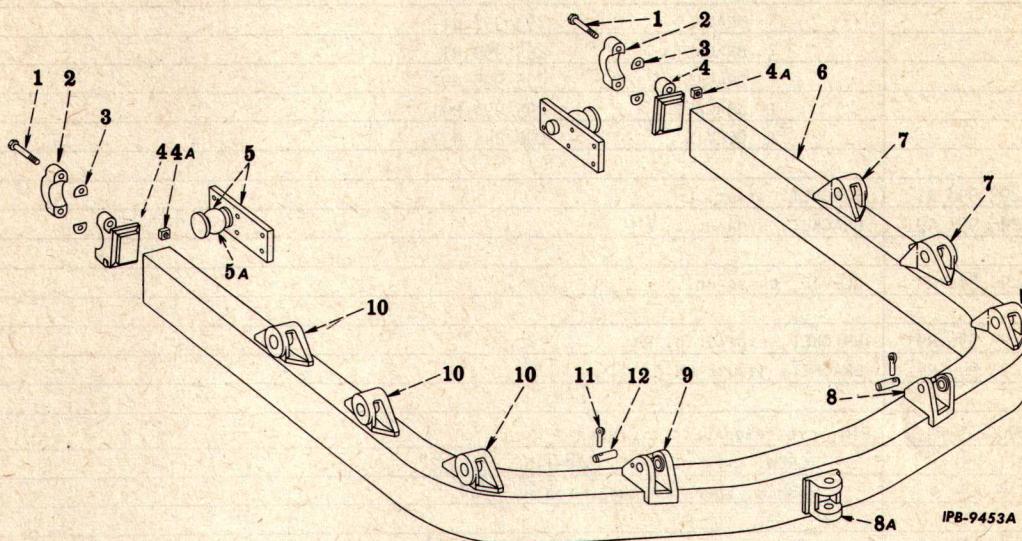
REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
BULLDOZER PUSH ARMS - Continued				
6	290 521 R92	ARM, PUSH, L.H., ASSEMBLY (COMPOSED OF - 1 ARM 290 523 R92 1 CAP 290 255 RI 2 NUT 290 256 RI 2 SCREW 18 307 RI 8 SHIM 290 257 RI)		1
6	290 523 R92	ARM, PUSH, L.H., w/BUSHING, 290 267 R2, AND 2 BRACKET, 293 000 RI		1
7	293 000 RI	BRACKET, STRUT		4
8	290 998 RI	PIN, STRUT BRACKET, 1-3/4" DIA. X 5-5/16"		4
9	290 996 RI	PIN, EYE, STRUT BRACKET, 3/4" DIA. X 3-1/4"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
10	290 267 R2	BUSHING, PUSH ARM PIVOT		2
11	290 279 RI	PIN, EYE, STRUT BRACKET, 3/4" DIA. X 3"		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		2
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		2
12	290 522 R92	ARM, PUSH, R.H., ASSEMBLY (COMPOSED OF - 1 ARM 290 524 R92 1 CAP 290 255 RI 2 NUT 290 256 RI 2 SCREW 18 307 RI 8 SHIM 290 257 RI)		1
12	290 524 R92	ARM, PUSH, R.H., w/BUSHING, 290 267 R2 AND 2 BRACKET, 293 000 RI		1
13	294 551 R91	PLATE, w/TRUNNION, 294 552 RI AND PILOT, 294 555 RI (USED ON 5 ROLLER TRACK)		2
	271 656	SCREW, CAP, HEX-HD., 7/8-9NC X 2"		12
	138 510	WASHER, LOCK, EXTERNAL TOOTH, 7/8"		12
14	294 552 RI	TRUNNION		2
15	294 555 RI	PILOT, TRUNNION		2
	295 748 R91	NOZZLE, GREASE, TRACK ROLLER		1

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HYDRAULIC BULLGRADERS AND BULLDOZERS



"C" FRAME
(Used with 14G-2)



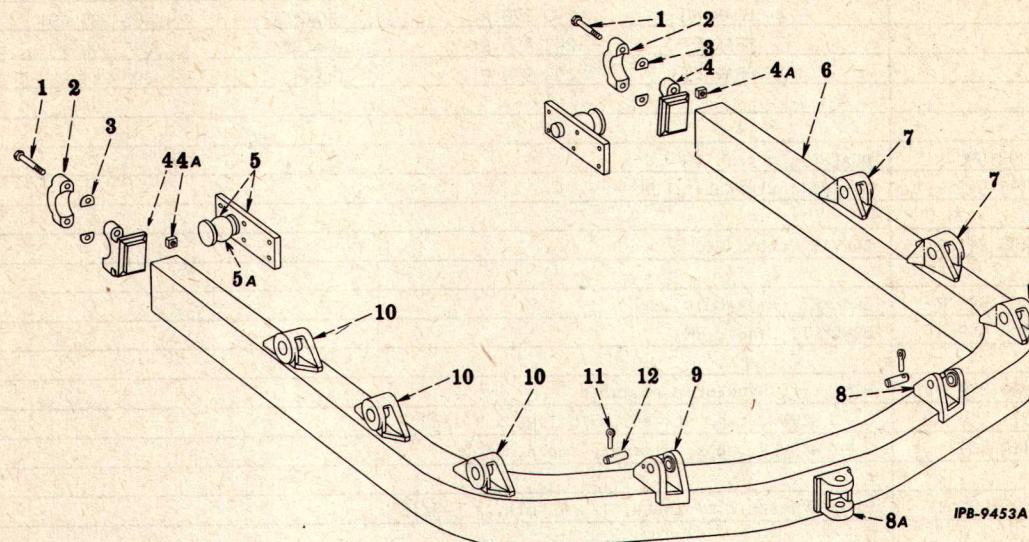
REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	18 307 RI	FOLLOWS REFERENCE No. 2		
2	290 255 RI	CAP, TRUNNION BEARING		2
	290 256 RI	NUT, TRUNNION BEARING CAP		4
	18 307 RI	SCREW, CAP, HEX-HD., 1-8NC x 6"		4
3	290 257 RI	SHIM, TRUNNION BEARING CAP		16
4	290 270 RI	BEARING, TRUNNION		2
4A	290 256 RI	FOLLOWS REFERENCE No. 2		
5	293 003 RII	PLATE, w/TRUNNION, 293 003 RI		2
	271 656	SCREW, CAP, HEX-HD., 7/8-9NC x 2"		12
	138 510	WASHER, LOCK, EXTERNAL-TOOTH, 7/8"		12
5A	293 003 RI	TRUNNION		2
6	294 430 R91	"C" FRAME, ASSEMBLY (COMPOSED OF -		1
	2 CAP	290 255 RI	4 SCREW	18 307 RI
	1 FRAME	294 431 R91	16 SHIM	290 257 RI)
	4 NUT	290 256 RI		

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HYDRAULIC BULLGRADERS AND BULLDOZERS



"C" FRAME
(Used with 14GN-2)



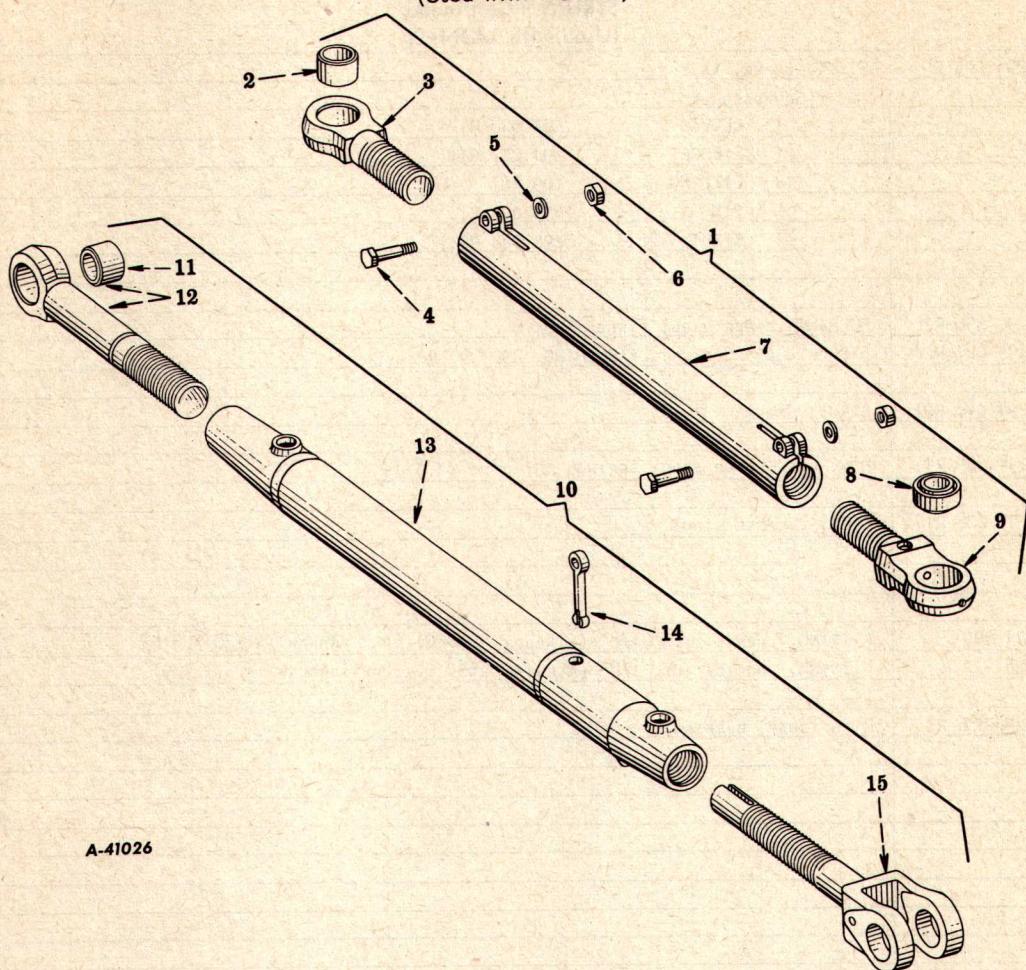
REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	18 307 RI	FOLLOWS REFERENCE No. 2		
2	290 255 RI	CAP, TRUNNION BEARING		2
	290 256 RI	NUT, TRUNNION BEARING CAP		4
	18 307 RI	SCREW, CAP, HEX-HD., 1-8NC x 6"		4
3	290 257 RI	SHIM, TRUNNION BEARING CAP		16
4	290 270 R2	BEARING, TRUNNION		2
4A	290 256 RI	FOLLOWS REFERENCE No. 2		
5	293 003 RII	PLATE, w/TRUNNION, 293 003 RI		2
	271 656	SCREW, CAP, HEX-HD., 7/8-9NC x 2"		(12
	138 510	WASHER, LOCK, EXTERNAL-TOOTH, 7/8"		12
5A	293 003 RI	TRUNNION		2
6	295 990 R91	"C" FRAME, ASSEMBLY (COMPOSED OF -		1
	2 CAP	290 255 RI	4 SCREW	18 307 RI
	1 FRAME	295 991 R91	16 SHIM	290 257 RI)
	4 NUT	290 256 RI		

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HYDRAULIC BULLGRADERS AND BULLDOZERS



STRUTS
(Used with 14DN-2)

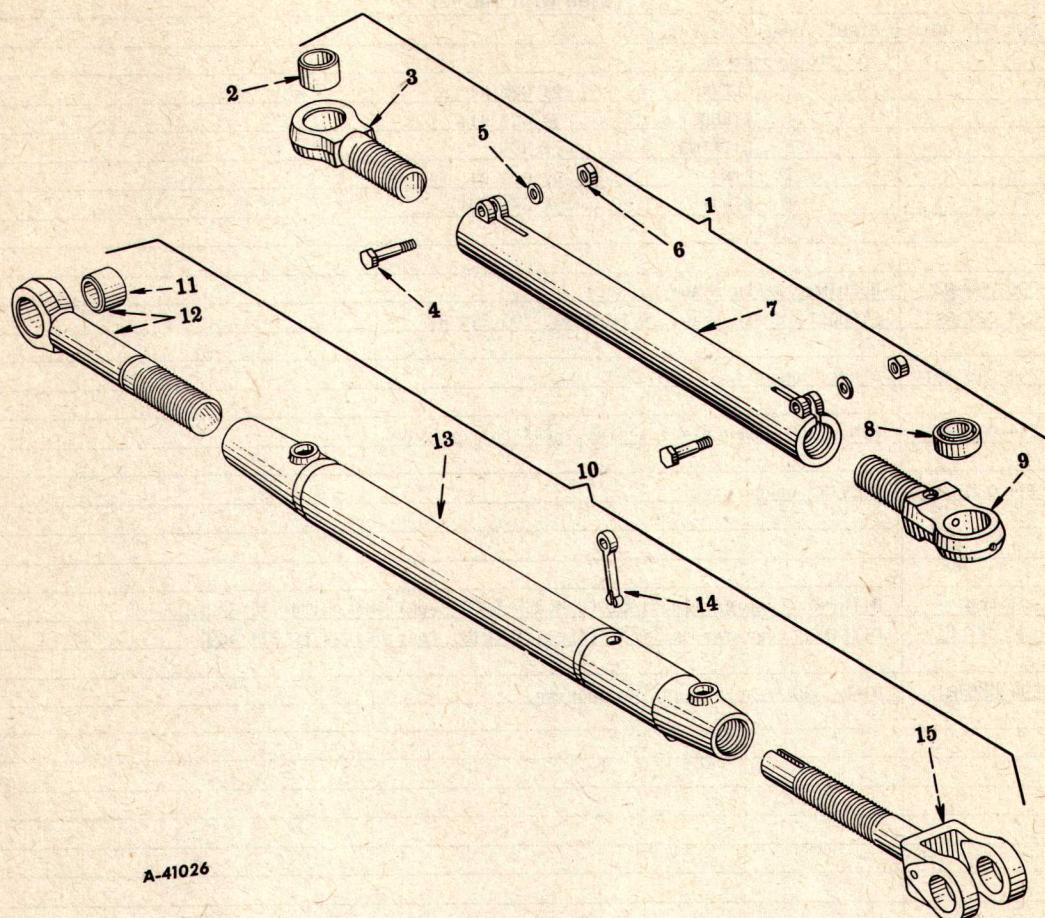


A-41026

REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	295 993 R91	STRUT, DIAGONAL, ASSEMBLY (COMPOSED OF - 1 EYEBOLT 293 001 RII 1 EYEBOLT 293 002 R2 2 NUT 102 639 2 SCREW 271 566 1 STRUT 295 994 RII 2 WASHER 114 609)		2
2	290 290 R2	BUSHING, DIAGONAL STRUT EYEBOLT		2
3	293 001 RII	EYEBOLT, DIAGONAL STRUT, w/BUSHING, 290 290 R2		2
4	271 566	SCREW, CAP, HEX-HD., 5/8-11NC X 3" (USED WITH DIAGONAL STRUT)		4
5	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8" (USED WITH DIAGONAL STRUT)		4
6	102 639	NUT, HEX., 3/4-10NC (USED WITH DIAGONAL STRUT)		4
7	295 994 RII	STRUT, DIAGONAL		2
8	294 885 R91	BUSHING, SELF-ALIGNING, DIAGONAL STRUT EYEBOLT		2
9	293 002 R2	EYEBOLT, DIAGONAL STRUT		2

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HYDRAULIC BULLGRADERS AND BULLDOZERS

STRUTS
(Used with 14D-2)

REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	290 282 R93	STRUT, DIAGONAL, ASSEMBLY (COMPOSED OF - 1 EYEBOLT 293 001 RII 1 EYEBOLT 293 002 R2 2 NUT 102 639 2 SCREW 271 566 1 STRUT 290 306 R21 2 WASHER 114 609)		2
2	290 290 R2	BUSHING, DIAGONAL STRUT EYEBOLT		2
3	293 001 RII	EYEBOLT, DIAGONAL STRUT, W/BUSHING, 290 290 R2		2
4	271 566	SCREW, CAP, HEX-HD., 5/8-11NC X 3" (USED WITH DIAGONAL STRUT)		4
5	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8" (USED WITH DIAGONAL STRUT)		4
6	102 639	NUT, HEX., 3/4-10NC (USED WITH DIAGONAL STRUT)		4
7	290 306 R21	STRUT, DIAGONAL		2
8	294 885 R91	BUSHING, SELF-ALIGNING, DIAGONAL STRUT EYEBOLT		2
9	293 002 R2	EYEBOLT, DIAGONAL STRUT		2

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HYDRAULIC BULLGRADERS AND BULLDOZERS



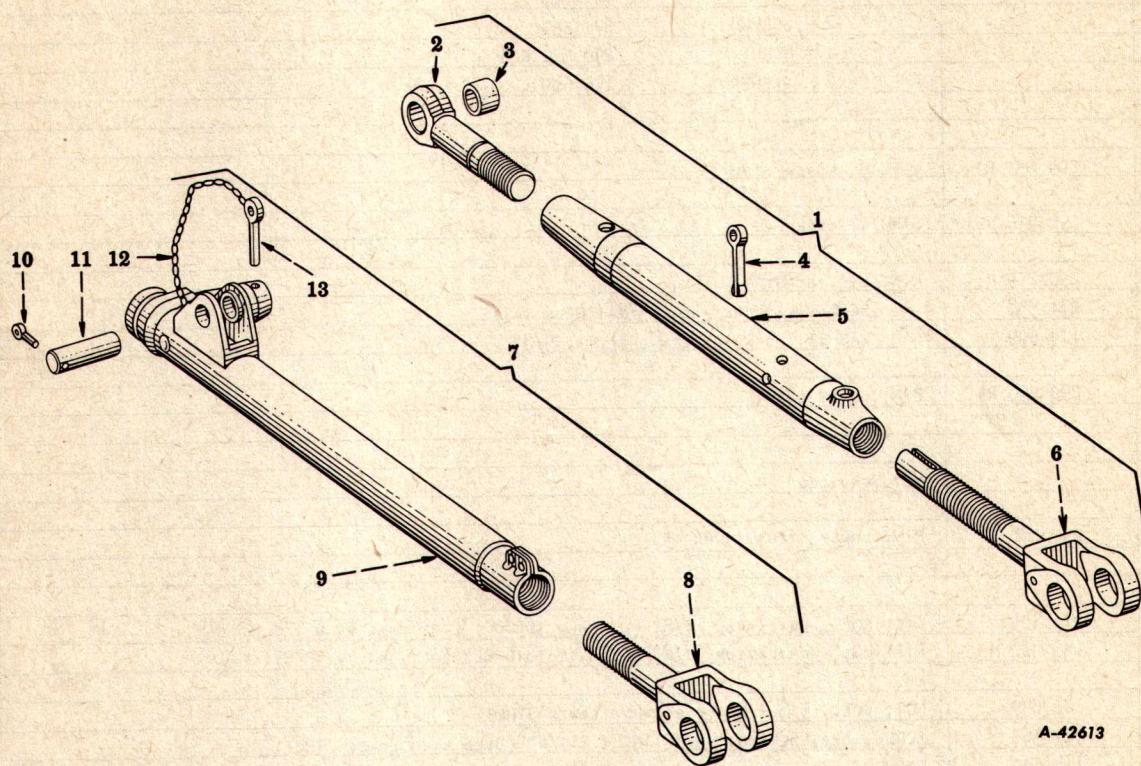
REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
STRUTS - Continued (Used with 14D-2)				
10	294 047 R91	STRUT, UPPER, ASSEMBLY (COMPOSED OF - 1 CLEVIS 294 028 RI 1 EYEBOLT 294 027 RII 2 FITTING 271 409 1 PIN 294 029 RI 1 STRUT 294 048 R91)		2
11	290 290 R2	BUSHING, UPPER STRUT EYEBOLT		2
12	294 027 RII	EYEBOLT, UPPER STRUT, w/BUSHING, 290 290 R2		2
13	294 048 R91	STRUT, UPPER		2
14	294 029 RI	PIN, EYE, UPPER STRUT SPRING, 3/4" DIA. x 5.12"		2
15	294 028 RI	CLEVIS, UPPER STRUT		2
271 409 138 322 H	FITTING, LUBRICATION, 1/8" (LINCOLN 5000) (OPTIONAL WITH 138 322 H) FITTING, LUBRICATION, 1/8" (ALEMITE 1610) (OPTIONAL WITH 271 409)			6
294 886 RI	RING, SNAP, SELF-ALIGNING BUSHING			2

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HYDRAULIC BULLGRADERS AND BULLDOZERS



BULLGRADER STRUTS



A-42613

REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	294 049 R91	STRUT, UPPER, ASSEMBLY (COMPOSED OF - 1 CLEVIS 294 028 RI 1 EYEBOLT 294 027 RII 2 FITTING 109 461 1 PIN 294 029 RI 1 STRUT 294 050 R91)		2
2	294 027 RII	EYEBOLT, UPPER STRUT, W/BUSHING, 290 290 R2		2
3	290 290 R2	BUSHING, UPPER STRUT EYEBOLT		2
4	294 029 RI	PIN, EYE, UPPER STRUT SPRING, 3/4" DIA. X 5.12"		2
5	294 050 R91	STRUT, UPPER		2
6	294 028 RI	CLEVIS, UPPER STRUT		2

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HYDRAULIC BULLGRADERS AND BULLDOZERS



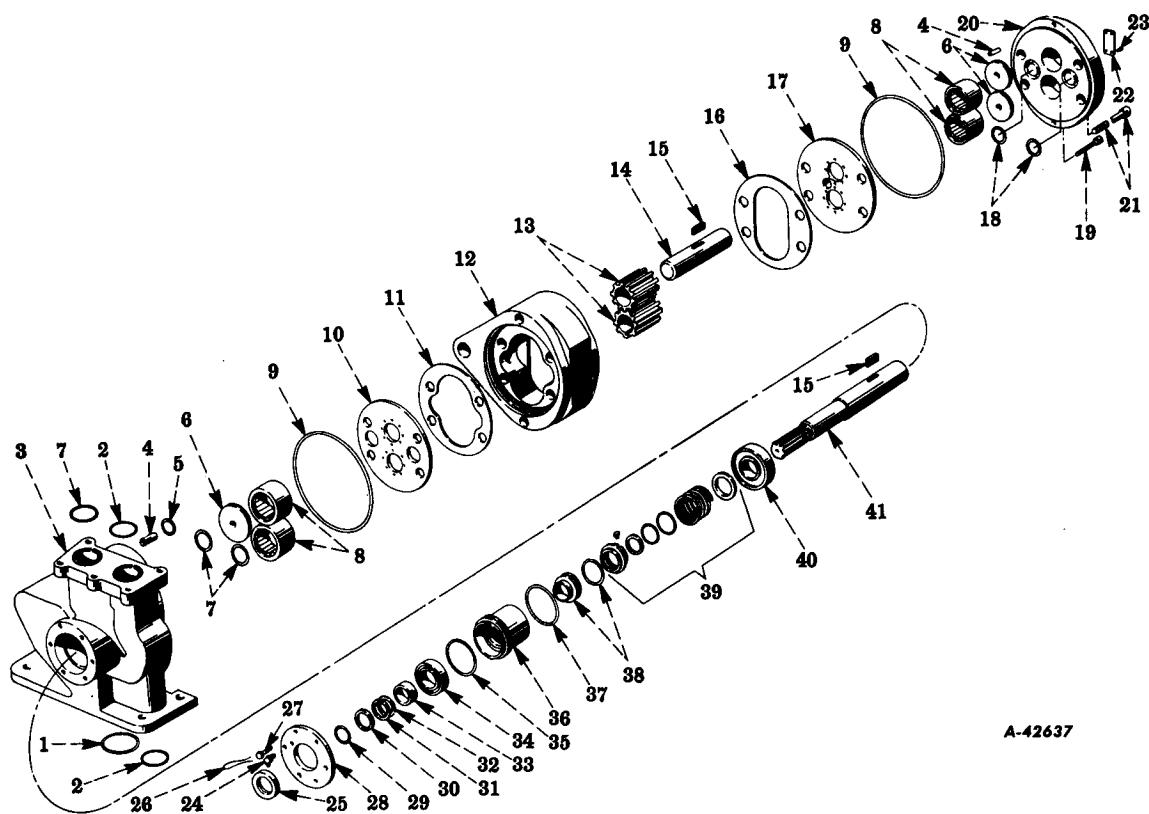
REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
BULLGRADER STRUTS - Continued				
7	294 057 R91	STRUT, LOWER, ASSEMBLY (COMPOSED OF - 1 CLEVIS 294 031 RI 2 NUT 102 639 2 SCREW 271 563 1 STRUT 290 532 R21 2 WASHER 114 609)		2
8	294 031 RI	CLEVIS, LOWER STRUT		2
9	290 532 R21	STRUT, LOWER		2
10	290 279 RI	PIN, EYE, STRUT		2
	271 558	SCREW, CAP, HEX-HD., 5/8-11INC X 1-1/2"		3
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8"		3
11	290 998 RI	PIN, UPPER STRUT		2
12		NOT SERVICED		
13	290 288 RI	PIN, LOWER STRUT TRUNNION		2
	271 409	FITTING, LUBRICATION, 1/8" (LINCOLN 105000) (OPTIONAL WITH 138 322 H)		4
	138 322 H	FITTING, LUBRICATION, 1/8" (ALEMITE 1610 BL) (OPTIONAL WITH 271 409)		4
	102 639	NUT, HEX., 5/8-11INC (USED WITH LOWER STRUT)		4
	271 563	SCREW, CAP, HEX-HD., 5/8-11INC X 2-1/4" (USED WITH LOWER STRUT)		4
	114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8" (USED WITH LOWER STRUT)		4

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HYDRAULIC BULLGRADERS AND BULLDOZERS



PUMP (Hydrex)



A-42637

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HYDRAULIC BULLGRADERS AND BULLDOZERS



REF. NO.	I H PART NUMBER	MFR'S. NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
PUMP (Hydrexco) - Continued					
	295 623 R91	3030J16B2	PUMP, HYDRAULIC, ASSEMBLY		1
1	254 091 RI	A395X47	"O" RING, LOW PRESSURE INLET TO PUMP (2-3/4" I.D. x 3" O.D. x 1/8")		1
2	259 099 RI	A395X37	"O" RING, VALVE TO LOW PRESSURE INLET (2-1/8" I.D. x 3-2/8" O.D. x 1/8")		1
2	259 099 RI	A395X37	"O" RING, LOW PRESSURE OUTLET TO TANK (2-1/8" I.D. x 2-3/8" O.D. x 1/8")		1
3	295 753 R91	7X30X6	ADAPTER, w/WASHER, 295 754 RI, TWO BEARING, 287 200 R91, AND PIN, 295 755 RI		1
4	295 755 RI	A793X1	PIN, DOWEL		2
5	293 739 R91	A395X25	"O" RING (1-3/8" I.D. x 1-5/8" O.D. x 1/8")		1
6	295 754 RI	834X3	WASHER, THRUST		3
7	255 088 RI	A395X33	"O" RING, HIGH PRESSURE INLET TO VALVE (1-7/8" I.D. x 2-1/8" O.D. x 1/8")		1
7	255 088 RI	A395X33	"O" RING, ADAPTER END (1-7/8" I.D. x 2-1/8" O.D. x 1/8")		2
8	287 200 R91		BEARING, ROLLER		4
9	259 190 RI	A791X107	"O" RING, PUMP HOUSING (7" I.D. x 7-1/4" O.D. x 1/8")		2
10	295 766 RI	12X30X10	PLATE, WEAR		1
11	295 770 RI	712X153A	GASKET (.001 THICK)		X
11	295 771 RI	712x153B	GASKET (.002 THICK)		X
12	295 750 RI	1X3030X10	HOUSING, PUMP		1
12	294 773 RI	A300X2	PLUG, PIPE, HEX-SOC-HD *		
13	295 752 RI	6X3030X4	GEAR		2
14	295 751 RI	5X3030X2	SHAFT, DRIVEN		1
15	295 772 RI	A262X6	KEY		2
16	295 768 RI	712X117A	GASKET (.001 THICK)		X
16	295 769 RI	712X117B	GASKET (.002 THICK)		X
17	295 765 RI	12X30X6	PLATE, WEAR		1
18	252 482 RI	A395X27	"O" RING, PUMP COVER (1-1/2" ID x 1-3/4" OD x 1/8")		2
19	138 257	A133X8	SCREW, CAP, HEX-SOC-HD., 3/8-24NF x 1-3/4"		2
20	295 756 R91	8X30X1	COVER, w/TWO WASHER, 295 754 RI, TWO BEARING, 287 200 R91, AND PIN, 295 755 RI		1
21	130 440	A530X11	SCREW, CAP, HEX-HD., 7/8-14NF x 5"		4
22			NOT USED		
23			NOT USED		
			(*) - 14D-2 1091 UP, 14DN-2 631 UP, 14G-2 1452 UP, 14GN-2 615 UP		
				X AS REQUIRED	

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HYDRAULIC BULLGRADERS AND BULLDOZERS



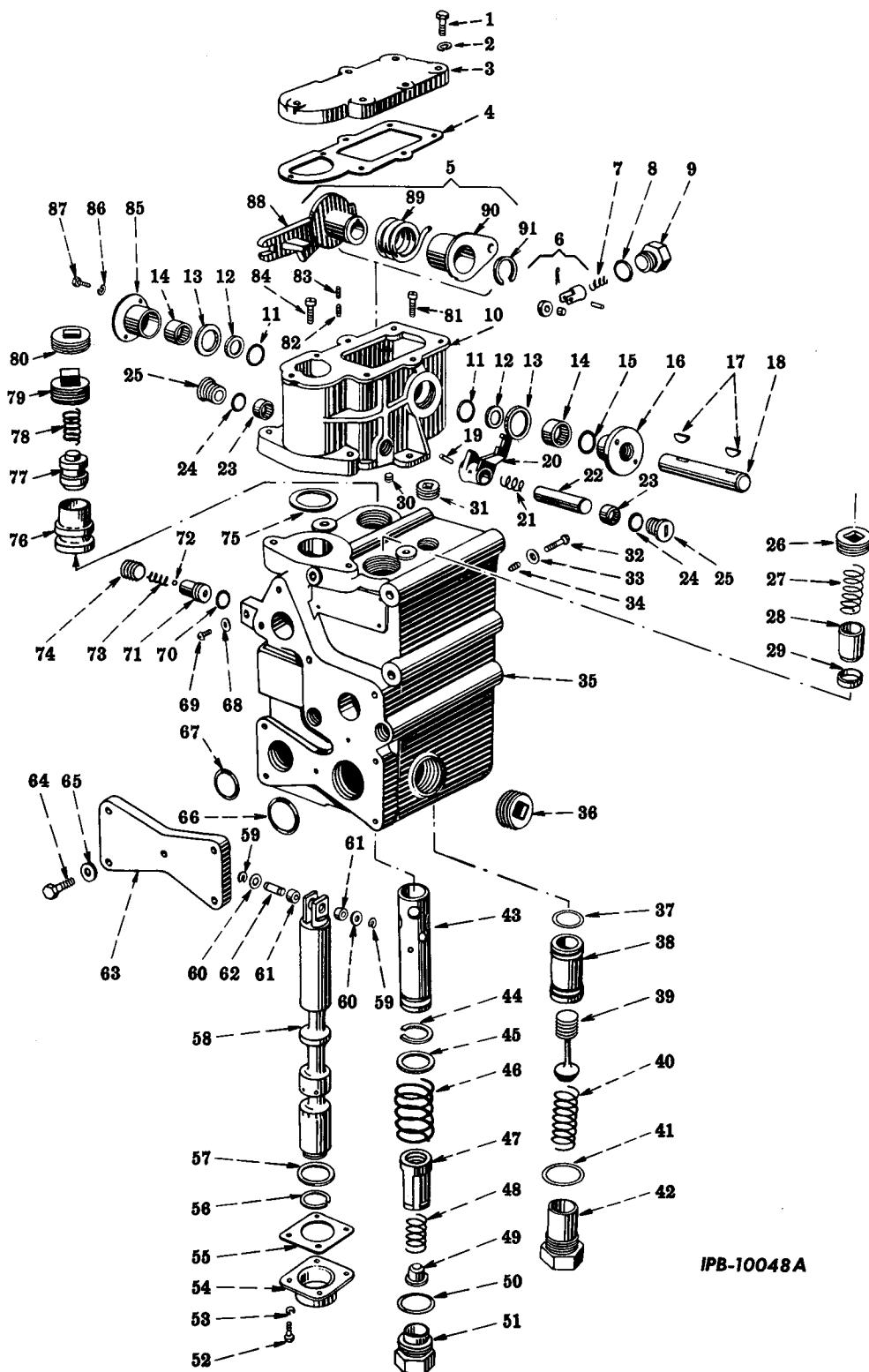
REF. NO.	I H PART NUMBER	MFR'S. NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
PUMP (Hydrex) - Continued					
24	109 354		FITTING, LUBRICATION, 1/8" x 90° N.P.T.F. (ALEMITE 1613) (OPTIONAL WITH 109 462)		1
24	109 462		FITTING, LUBRICATION, 1/8" x 90° N.P.T.F. (LINCOLN 5400) (OPTIONAL WITH 109 354)		1
25	295 749 R91	A362X91	OIL SEAL		1
26	295 774 R91	A512X2	SEAL, LEAD		1
27	295 773 RI	A485X3	SCREW, CAP, HEX-DLD-HD., 3/8-24NF x 1-1/4"		6
28	295 767 RI	521X35	PLATE, SEAL RETAINER		1
29	252 537 R91	A395X19	"O" RING, DRIVE SHAFT SPACER (1" I.D. x 1-1/4" O.D. x 1/8")		1
30	295 760 RI	812X129	RING, SNAP		1
31	295 763 RI	A774X1	SHIM		X
32	295 764 RI	A774X5	SHIM		X
33	295 761 RI	830X277	SPACER		1
34	293 641 R91		BEARING, DRIVE SHAFT		1
35	285 723 RI	A395X53	"O" RING, SEAL RETAINER PLATE (3-1/8" I.D. x 3-3/8" O.D. x 1/8")		1
36	295 759 RI	758X4	RETAINER, SEAL		1
37	295 762 RI	A395X52	"O" RING, SEAL RETAINER (3" I.D. x 3-3/8" O.D. x 3/16")		1
38			SEAT, SEAL (ORDER 296 944 R91)		1
39			SEAL (ORDER 296 944 R91)		1
40	295 799 R91		BEARING, DRIVE SHAFT		1
41	295 758 RI	4X3030X10	SHAFT, DRIVE		1
296 944 R91			PACKAGE, FIELD SERVICE, SEAL SEAT AND SEAL (WILL WORK FOR 293 636 R91 AND 293 637 R91)		
297 757 R91	9X30X2		SHAFT, DRIVE, ASSEMBLY (COMPOSED OF - BEARING 293 641 R91 SEAL 293 636 R91 BEARING 295 799 R91 SEAT 293 637 R91 "O" RING 252 537 RI SHAFT 295 758 RI "O" RING 295 762 RI X SHIM 295 763 RI RETAINER 295 759 RI X SHIM 295 764 RI RING 295 760 RI SPACER 295 761 RI)		1
294 289 R92	PV6X2		UNIT, PUMP AND VALVE, w/PUMP, 295 623 R91, VALVE, 295 624 R92 AND FLOW CONTROL (ALSO LISTED WITH "VALVE")		1
271 608			SCREW, CAP, HEX-HD., 3/4-10NC x 1-5/8"		4
114 610			WASHER, LOCK, EXTERNAL-TOOTH, 3/4"		4
				X - AS REQUIRED	

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HYDRAULIC BULLGRADERS AND BULLDOZERS



HYDRAULIC VALVE (Hydrex)



IPB-10048A

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HYDRAULIC BULLGRADERS AND BULLDOZERS



REF. NO.	I H PART NUMBER	MFR'S. NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
HYDRAULIC VALVE (HYDRECO)					
	295 624 R91	VZ26X1	VALVE, HYDRAULIC, ASSEMBLY		1
1	180 083	A102X6	SCREW, CAP, HEX-HD., 5/16-18NC X 1-1/2"		7
2	103 320	A252X8	WASHER, LOCK, 5/16"		7
3	295 777 RI	763X5	COVER, HOUSING		1
4	295 778 RI	712X154	GASKET		1
5	295 779 R91	811X16	PLATE, SPRING AND CAM, ASSEMBLY (COMPOSED OF -)		1
			I PLATE 296 945 RI I RING 300 025 RI		
			I PLATE 296 946 R91 I SPRING 296 947 RI)		
6	293 669 R91	764X1	DETENT		1
7	293 658 RI	A501X268	SPRING		1
8	252 673 RI	A395X21	"O" RING, COVER CAP, 1-1/8" ID X 1-3/8" OD X 1/8"		1
9	293 668 RI	514X353	CAP, COVER		1
10	295 776 RI	762X5	HOUSING, PLUNGER LEVER		1
11	293 673 RI	A822X1	WASHER		X
12	293 672 RI	A408X35	WASHER (SPECIAL)		2
13	293 739 RI	A395X25	"O" RING, BEARING RETAINER, 1-3/8" ID X 1-5/8" OD X 1/8"		2
14	551 139 R91		BEARING, CONTROL SHAFT		2
15	253 070 RI	A394X17	"O" RING, BEARING RETAINER, 7/8" ID X 1-1/8" OD X 1/8"		1
16	293 674 RI	816X5	RETAINER, BEARING		1
17	114 813	A258X12	KEY, WOODRUFF, No. 10		2
18	295 781 RI	M7X41	SHAFT, CONTROL		1
19	17 175 RI	A770X9	ROLL PIN		1
20	295 780 RI	M6X78	CAM AND LATCH		1
21	295 783 RI	A806X5	SPRING		1
22	295 782 RI	M7X42	SHAFT, LATCH		1
23	293 698 R91	A340X24	BEARING, CAM LATCH SHAFT		2
24	252 693 RI	A395X11	"O" RING, LATCH SHAFT, 9/16" ID X 3/4" OD X 3/32"		2
25	293 681 RI	514X354	CAP		2
26	293 695 RI	A300X7	PLUG, PIPE		1
27	295 797 RI	A501X46	SPRING		1
28	295 789 RI	415X56	SEAT, CHECK VALVE		1
29	295 788 RI	414X79	SEAT, CHECK VALVE		1
30	294 286 RI	A300X1	PLUG, PIPE (SPECIAL)		1
31	293 742 RI	A300X4	PLUG, PIPE		1
32	114 660	A152X1	SCREW, MACHINE, RD-HD., 5/16-18NC X 3/8"		1
33	293 687 RI	A401X4	GASKET		1
34	102 581	A181X3	SCREW, SET, HEX-SOC., HDLS., 5/16-18NC X 3/8"		1
35			NOT FURNISHED SEPARATELY (ORDER 295 624 R91)		
36	293 696 RI	A300X8	PLUG, PIPE		1
37	252 482 RI	A395X27	"O" RING, RELIEF VALVE SEAT, 1-7/16" ID X 1-11/16" OD X 1/8"		1
38	295 787 RI	414X78	SEAT, RELIEF VALVE		1
39	293 650 RI	415X49	PLUNGER, RELIEF VALVE		1
40	296 325 RI	A501X295	SPRING (TOGETHER WITH CAP, 296 925 RI WILL WORK FOR 295 798 RI)		1
41	290 987 RI	A395X31	"O" RING, 1-3/4" ID X 2" OD X 1/8"		1

X - As Required

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HYDRAULIC BULLGRADERS AND BULLDOZERS



REF. NO.	I H PART NUMBER	MFR'S. NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
HYDRAULIC VALVE (Hydrexco) - Continued					
42	296 925 RI	514X457	CAP (TOGETHER WITH SPRING, 296 325 RI WILL WORK FOR 295 790 RI)		1
43	293 685 R91	755X2	PLUNGER, FLOW CONTROL		1
44	293 688 RI	812X64	RING, SNAP		1
45	293 689 R2	416X89	WASHER (SPECIAL)		1
46	293 690 RI	A501X270	SPRING		1
47	293 691 RI	754X8	PLUNGER, DASHPOT		1
48	293 692 RI	A501X269	SPRING		1
49	293 693 RI	416X62	GUIDE, SPRING		1
50	290 987 RI	A395X31	"O" RING, 1-3/4" ID X 2" OD X 1/8"		1
51	293 694 R91	518X3	CAP		1
52	179 835	A103X2	SCREW, CAP, HEX-HD., 3/8-16NC X 5/8"		4
53	103 321	A252X9	WASHER, LOCK, MEDIUM, 3/8"		4
54	295 792 RI	M10X18	COVER, PLUNGER		1
55	295 791 RI	712X155	GASKET		1
56	295 786 RI	812X119	RING, SNAP		1
57	295 785 RI	A411X23	WASHER (SPECIAL) 14D-2 501 TO 1090, 14DN-2 501 TO 630, 14G-2 501 TO 1451, 14GN-2 501 TO 614		1
58			NOT FURNISHED SEPARATELY (ORDER 295 624 R91)		
59	293 662 RI	A611X12	RING, SNAP, PLUNGER EYE SHAFT		2
60	103 343	A253X11	WASHER, 17/32 X 1-1/16"		2
61	293 698 R91		BEARING, PLUNGER EYE SHAFT		2
62	293 661 RI	M7X37	SHAFT, PLUNGER EYE		1
63	295 793 RI	M17X29	COVER		1
64	180 175	A105X4	SCREW, CAP, HEX-HD., 1/2-13NC X 1-1/2"		5
65	103 323	A252X11	WASHER, LOCK, MEDIUM, 1/2"		5
66	290 028 RI	A395X35	"O" RING, VALVE COVER, 2" ID X 2-1/4" OD X 1/8"		1
67	290 987 RI	A395X31	"O" RING, COVER, 1-3/4" ID X 2" OD X 1/8"		1
68	295 796 RI	A402X3	GASKET		1
69	113 954	A151X2	SCREW, MACHINE, RD-HD., 1/4-20NC X 3/8"		1
70	355 967 RI	A395X7	"O" RING, PLUNGER LEVER RELIEF VALVE SEAT, 3/8" ID X 1/2" OD X 1/16" (WILL WORK FOR 252 672 RI)		1
71	293 697 RI	414X55	SEAT, RELIEF VALVE		1
72	17 008 RI	A329X4	BALL, STL., 1/4"		1
73	293 699 RI	A501X7	SPRING		1
74	294 288 RI	A639X3	PLUG, PIPE		1
75	254 091 RI	A395X47	"O" RING, PLUNGER LEVER, 2-3/4" ID X 3" OD X 1/8"		1
76	293 686 RI	414X72	SEAT, FLOW CONTROL PLUNGER (ORDER 296 926 R91) 14D-2 501 TO 1259 14DN-2 501 TO 637 14G-2 501 TO 1731 14GN-2 501 TO 634		1
76	296 927 RI	414X93	SEAT, CHECK VALVE 14D-2 1260 UP 14DN-2 638 UP 14G-2 1732 UP 14GN-2 635 UP		1
77	296 928 RI	747X18	POPPET, CHECK 14D-2 1260 UP 14DN-2 638 UP 14G-2 1732 UP 14GN-2 635 UP		1
78	296 929 RI	A501X67	SPRING, POPPET 14D-2 1260 UP 14DN-2 638 UP 14G-2 1732 UP 14GN-2 635 UP		1



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HYDRAULIC BULLGRADERS AND BULLDOZERS

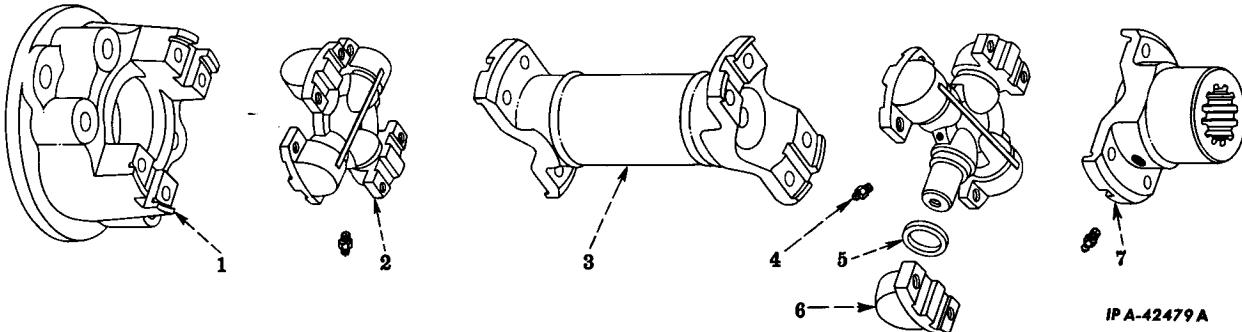
REF. NO.	I H PART NUMBER	MFR'S. NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
HYDRAULIC VALVE (Hydrexco) - Continued					
79	293 695 RI	A300X7	PLUG, PIPE 14D-2 501 TO 1259 14DN-2 501 TO 637 14G-2 501 TO 1731 14GN-2 501 TO 634		1
79	296 930 RI	560X59	PLUG, CHECK VALVE 14D-2 1260 UP 14DN-2 638 UP 14G-2 1732 UP 14GN-2 635 UP		1
80	293 696 RI	A300X8	PLUG, PIPE		1
81	217 910	A123X2	SCREW, CAP, HEX-SOC-HD., 3/8-16NC X 5/8"		2
82	102 570	A613X3	SCREW, HEX-SOC., CP-PT., 1/4-20NC X 3/8"		1
83	222 045	A190X4	SCREW, SET, HEX-SOC., HDLS., 1/4-20NC X 3/8"		1
84	138 244	A123X7	SCREW, CAP, HEX-SOC-HD., 3/8-16NC X 1-1/2"		2
85	293 675 RI	816X6	RETAINER, BEARING		1
86	103 319	A252X7	WASHER, LOCK, 1/4"		4
87	180 020	A101X4	SCREW, CAP, HEX-HD., 1/4-20NC X 3/4"		2
88	296 945 RI	811X15	PLATE, CAM		1
89	296 947 RI	A806X4	SPRING, TORSION		1
90	296 946 R91	811X18	PLATE, SPRING		1
91	300 025 RI	A611X35	RING, SNAP		1
295 775 R91	761X7	LEVER, PLUNGER, ASSEMBLY			1
(COMPOSED OF -)					
	2 BEARING	293 698 R91	1 PLUG	294 286 RI	
	2 BEARING	551 139 R91	1 RETAINER	293 674 RI	
	1 CAM AND LATCH	295 780 RI	1 RETAINER	293 675 RI	
	2 CAP	293 681 RI	1 SCREW	102 570	
	1 CAP	293 668 RI	2 SCREW	180 020	
	1 COVER	295 777 RI	7 SCREW	180 083	
	1 DETENT	293 669 RI	1 SCREW	222 045	
	1 GASKET	295 778 RI	1 SHAFT	295 781 RI	
	1 HOUSING	295 776 RI	1 SHAFT	295 782 RI	
	2 KEY	114 813	1 SPRING	293 658 RI	
	1 "O" RING	252 673 RI	1 SPRING	295 783 RI	
	2 "O" RING	252 693 RI	4 WASHER	103 319	
	2 "O" RING	293 739 RI	7 WASHER	103 320	
	1 "O" RING	253 070 RI	2 WASHER	293 672 RI	
	1 PIN	17 175 RI	X WASHER	293 673 RI)	
	1 PLATE	295 779 RI			
296 926 R91	SKO-234	KIT, SERVICE, CHECK VALVE 14D-2 501 TO 1259 14DN-2 501 TO 637 14G-2 501 TO 1731 14GN-2 501 TO 634			1
(COMPOSED OF -)					
	1 PLUG	296 930 RI	1 SEAT	296 927 RI	
	1 POPPET	296 928 RI	1 SPRING	296 929 RI)	
295 794 RI	A125X24	SCREW, CAP, HEX-SOC-HD., 1/2-13NC X 7-1/2"			3
295 795 RI	A125X25	SCREW, CAP, HEX-SOC-HD., 1/2-13NC X 7-3/4"			2
294 289 R92	PV6X2	UNIT, PUMP AND VALVE, w/PUMP, 295 623 R91, VALVE, 295 624 R92 AND FLOW CONTROL (ALSO LISTED WITH "PUMP")			1
293 652 RI	A408X33	WASHER (USED IN CAP, 296 925 RI) (USE 2 TO 5 AS REQUIRED)			X
X - AS REQUIRED					

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HYDRAULIC BULLGRADERS AND BULLDOZERS



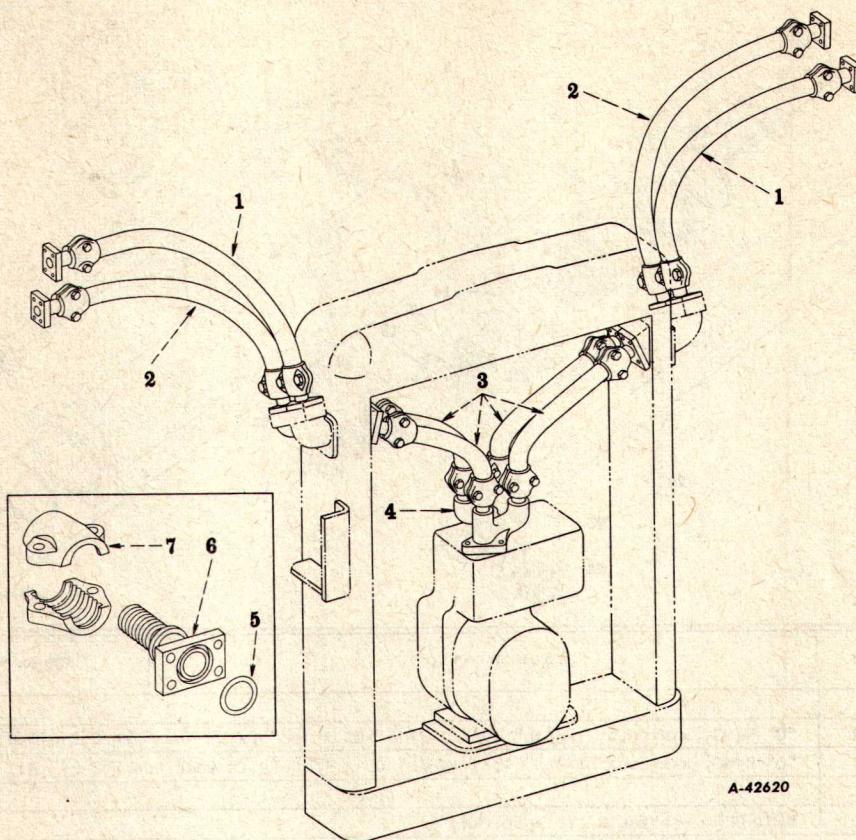
UNIVERSAL JOINT (Mechanics)



REF. NO.	I H PART NUMBER	MFR'S. NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	295 593 RI	10328J	FITTING, FLANGED		1
2	295 578 R91	114-3128	SPIDER AND BEARING, w/FOUR WASHER, 138 871 RI AND FOUR BEARING, 296 758 R91		2
3	295 828 R91	42-11940-1	YOKE AND SHAFT		1
4	110 146 RI	9067J	FITTING, LUBRICATION (ALEMITE 1792 B)		3
5	138 371 RI	8195J	WASHER, CORK (WILL WORK FOR 38 564 HA)		8
6	296 758 R91	113-3124	BEARING		8
7	295 829 R91	121-3056	YOKE, FITTING w/FITTING, 110 146 RI		1
295 827 R91	2A-11940-1	JOINT, UNIVERSAL, ASSEMBLY (COMPOSED OF -			1
		1 FITTING 295 593 RI			
		8 SCREW 41 265 H			
		4 SCREW 64 769 RI			
		4 SCREW 38 575 HA			
		2 SPIDER AND BEARING 295 578 R91			
		16 WASHER 110 730			
		1 YOKE AND SHAFT 295 828 R91			
		1 YOKE 295 829 R91)			
179 848		SCREW, CAP, HEX-HD., 3/8-16NC x 2-1/4"			4
108 580		WASHER, LOCK, 3/8"			4
41 265 H	3569J	SCREW, CAP, HEX-HD., 5/16-24NF x 25/32"			8
64 769 RI	7449J	SCREW, CAP, HEX-HD., 5/16-24NF x 1-5/8"			4
38 575 HA	3786J	SCREW, CAP, HEX-HD., 5/16-24NF x 1-5/64"			4
112 723		WASHER, LOCK, 5/16"			16



HYDRAULIC HOSES

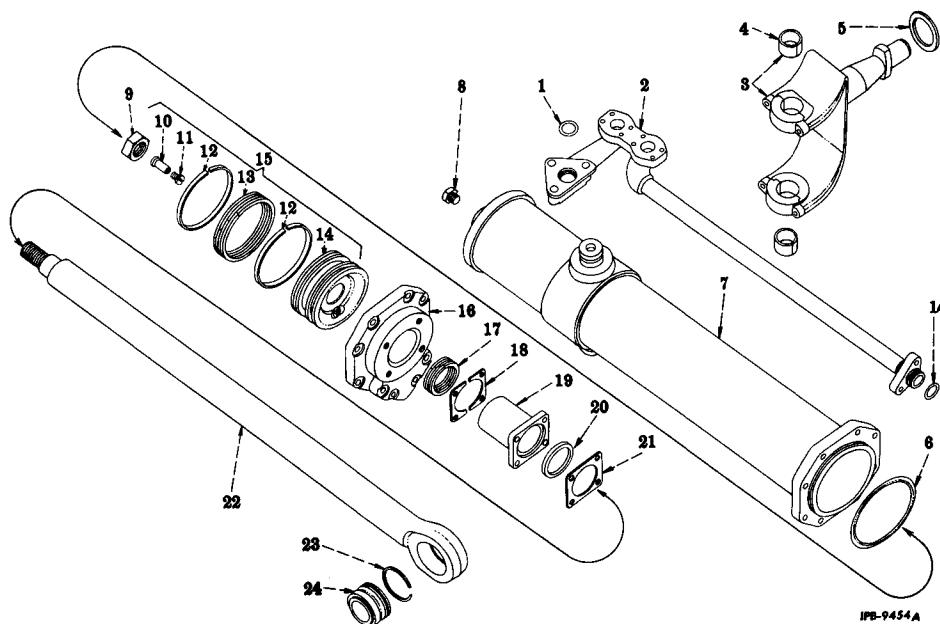


A-42620

REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	294 444 RI	HOSE, HYDRAULIC, 38" LONG (TO CYLINDER)		2
2	294 445 RI	HOSE, HYDRAULIC, 31-3/8" LONG (TO CYLINDER)		2
3	295 925 RI	HOSE, HYDRAULIC (PUMP TO MANIFOLD)		4
4	295 926 RI	MANIFOLD, HOSE		1
	179 883	SCREW, CAP, HEX-HD., 1/2-13NC X 1-1/4"		2
	179 893	SCREW, CAP, HEX-HD., 1/2-13NC X 3"		3
	103 323	WASHER, LOCK, MEDIUM, 1/2"		5
5	252 483 RI	"O" RING, HOSE FLANGE, 1-1/4" ID X 1-1/2" OD X 1/8"		12
6	294 542 R91	STEM, HOSE		12
	179 841	SCREW, CAP, HEX-HD., 3/8-16NC X 1-1/4"		48
	114 606	WASHER, LOCK, EXTERNAL-TOOTH, 3/8"		48
7	294 544 RI	CLAMP-HALF, HOSE		32
	271 500	NUT, HEX., 7/16-14NC		32
	179 865	SCREW, CAP, HEX-HD., 7/16-14NC X 1-7/8"		32
	252 482 RI	"O" RING, VALVE MANIFOLD, 1-1/2 ID X 1-3/4" OD X 1/8"		2
	296 247 RI	"O" RING, MANIFOLD		4
	296 268 RI	STEM, HOSE		4



HYDRAULIC CYLINDER



REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	252 728 RI	"O" RING, MANIFOLD, 1-3/16" ID X 1-7/16" OD X 1/8" (WILL WORK FOR 252 673 RI)		2
1A	365 005 RI	"O" RING, MANIFOLD, 1-1/8" ID X 1-3/8" OD X 1/8" (WILL WORK FOR 252 673 RI)		2
2	295 908 R91	MANIFOLD, HYDRAULIC CYLINDER, RH		1
	186 282	SCREW, CAP, HEX-HD., 3/8-16NC X 3-1/4"		2
	179 894	SCREW, CAP, HEX-HD., 1/2-13NC X 3-1/4"		3
2	295 907 R91	MANIFOLD, HYDRAULIC CYLINDER, LH		1
	186 282	SCREW, CAP, HEX-HD., 3/8-16NC X 3-1/4"		2
	179 894	SCREW, CAP, HEX-HD., 1/2-13NC X 3-1/4"		3
3	294 682 R12	CAP AND YOKE, HOIST, ASSEMBLY (COMPOSED OF -		2
	2 BUSHING	294 684 RI	4 SCREW	271 562
	2 PIN	141 189	4 WASHER	114 609)
4	294 684 RI	BUSHING, HOIST YOKE AND CAP PIN, RETAINER, BUSHING		4
5	294 685 RI	WASHER, THRUST, HOIST YOKE		4
6	295 906 RI	"O" RING, CYLINDER CAP, 4-7/8" ID X 5-1/8" OD X 1/8"		2
7	295 893 R91	HOUSING, HYDRAULIC CYLINDER		2
8	18 532 RI	PLUG, PIPE, HEX-HD., 3/8-16NC		2
9	18 489 RI	NUT, STOP, 1-1/4-12NF		2
10		STEM, RELIEF VALVE (ORDER 296 590 R91)		4
11		END, RELIEF VALVE (ORDER 296 590 R91)		4
12	295 903 RI	RING, WEAR, PISTON ROD		4
13	295 904 R92	PACKING, PISTON		2
14	294 902 RI	PISTON, HYDRAULIC (ORDER 295 902 RII)		2
15	295 902 R13	PISTON, HYDRAULIC, ASSEMBLY (COMPOSED OF -		2
	2 END	\$	2 RING	295 903 RI
	1 PACKING	295 904 R92	2 STEM	\$)
	1 PISTON	\$	\$ - NOT SERVICE SEPARATELY	

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HYDRAULIC BULLGRADERS AND BULLDOZERS



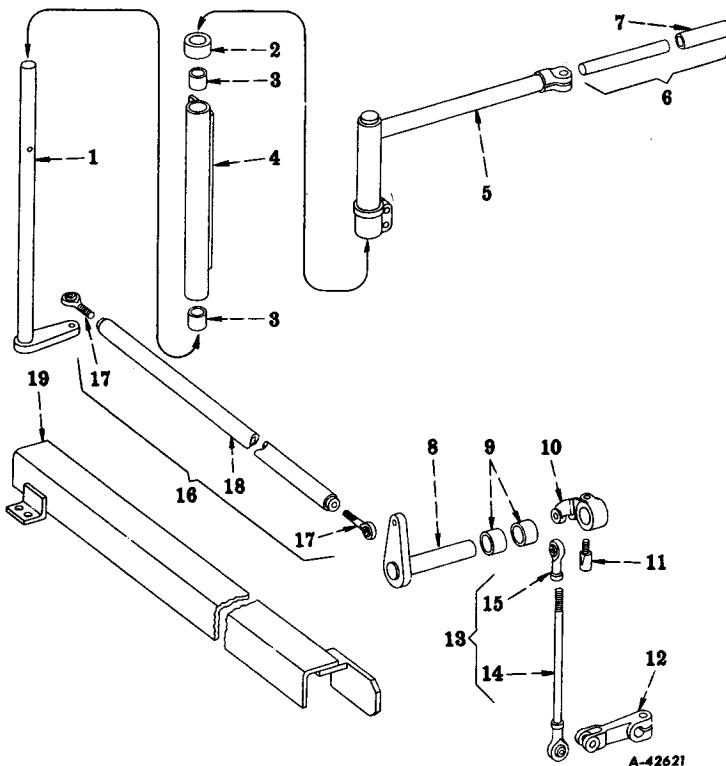
REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
HYDRAULIC CYLINDER - Continued				
16	295 905 RI	CAP, HYDRAULIC CYLINDER		2
	179 867	SCREW, CAP, HEX-HD., 7/16-14NC X 2-1/4"		12
	179 871	SCREW, CAP, HEX-HD., 7/16-14NC X 3-1/4"		4
17	294 512 R92	PACKING, PISTON ROD (†)		2
17	294 512 R91	PACKING, PISTON ROD (ORDER 294 512 R92 AND 294 514 R2) (‡)		2
18	294 515 RI	SHIM, PACKING GLAND		68
19	294 514 RI	GLAND, PACKING, HYDRAULIC CYLINDER (ORDER 294 514 R2 AND 294 512 R92) (†)		2
19	294 514 R2	GLAND, PACKING, HYDRAULIC CYLINDER (†)		2
20	294 513 R91	SEAL, DUST		2
21	294 516 RI	PLATE, RETAINER, DUST SEAL		2
	179 884	SCREW, CAP, HEX-HD., 1/2-13NC X 1-3/8"		8
22	295 901 RI	ROD, PISTON		2
23	294 886 RI	RING, SNAP, BUSHING		2
24	294 885 R91	BUSHING, SELF-ALIGNING		2
295 891 R95	CYLINDER, HYDRAULIC, LH, ASSEMBLY (COMPOSED OF -			
	1 CAP	295 905 RI	1 PLATE	294 516 RI
	3 FITTING	138 322 H	1 PLUG	18 532 RI
	1 GLAND, PACKING	294 514 R2	1 ROD	295 901 RI
	1 HOUSING	295 893 R92	6 SCREW	179 867
	1 MANIFOLD	295 907 R91	2 SCREW	179 871
	1 NUT	18 489 RI	4 SCREW	179 884
	1 "O" RING	252 728 RI	3 SCREW	179 894
	1 "O" RING	295 906 RI	2 SCREW	186 282
	1 "O" RING	356 005 RI	1 SEAL	294 513 R91
	1 PACKING	294 512 R92	34 SHIM	294 515 RI)
	1 PISTON	295 902 RI3		
295 892 R95	CYLINDER, HYDRAULIC, RH, ASSEMBLY (COMPOSED OF -			
	1 CAP	295 905 RI	1 PLATE	294 516 RI
	3 FITTING	13 822 H	1 PLUG	18 532 RI
	1 GLAND, PACKING	294 514 R2	1 ROD	295 901 RI
	1 HOUSING	295 893 R92	6 SCREW	179 867
	1 MANIFOLD	295 908 R91	2 SCREW	179 871
	1 NUT	18 489 RI	4 SCREW	179 884
	1 "O" RING	252 728 RI	3 SCREW	179 894
	1 "O" RING	295 906 RI	2 SCREW	186 282
	1 "O" RING	356 005 RI	1 SEAL	294 513 R91
	1 PACKING	294 512 R92	34 SHIM	294 515 RI)
	1 PISTON	295 902 RI3		
138 322 H	FITTING, LUBRICATION, 1/8" (ALEMITE 1610 BL) (OPTIONAL WITH 271 409)			
271 409	FITTING, LUBRICATION, 1/8" (LINCOLN 105000) (OPTIONAL WITH 138 322 H)			
271 562	SCREW, CAP, HEX-HD., 5/8-11NC X 2" (USED WITH HOIST CYLINDER YOKE CAP)			
114 609	WASHER, LOCK, EXTERNAL-TOOTH, 5/8" (USED WITH HOIST CYLINDER YOKE CAP)			
296 590 R91	VALVE, RELIEF, W/END AND STEM (WILL WORK FOR 294 472 R2 AND 294 473 R21)			
	(† - 14D-2 1098 UP, 14DN-2 631 UP, 14G-2 1437 UP, 14GN-2 630 UP.)			
	(‡ - 14D-2 501 TO 1097, 14DN-2 501 TO 630, 14G-2 501 TO 1436, 14GN-2 501 TO 629.)			

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HYDRAULIC BULLGRADERS AND BULLDOZERS



HYDRAULIC CONTROLS



REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	295 528 RII	SHAFT, REAR CONTROL		1
2	293 801 RI	COLLAR, REAR CONTROL SHAFT		1
	102 634	NUT, HEX., 5/16-18NC		1
	179 828	SCREW, CAP, HEX-HD., 5/16-18NC x 2-1/2"		1
	103 320	WASHER, LOCK, MEDIUM, 5/16"		1
3	273 278 R91	BUSHING, REAR CONTROL SHAFT BRACKET		2
4	295 525 R91	BRACKET, REAR CONTROL SHAFT, w/TWO BUSHING, 273 278 R91		1
	102 635	NUT, HEX., 3/8-16NC		4
	179 837	SCREW, CAP, HEX-HD., 3/8-16NC x 3/4"		4
	108 580	WASHER, LOCK, HEAVY, 3/8"		4

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HYDRAULIC BULLGRADERS AND BULLDOZERS



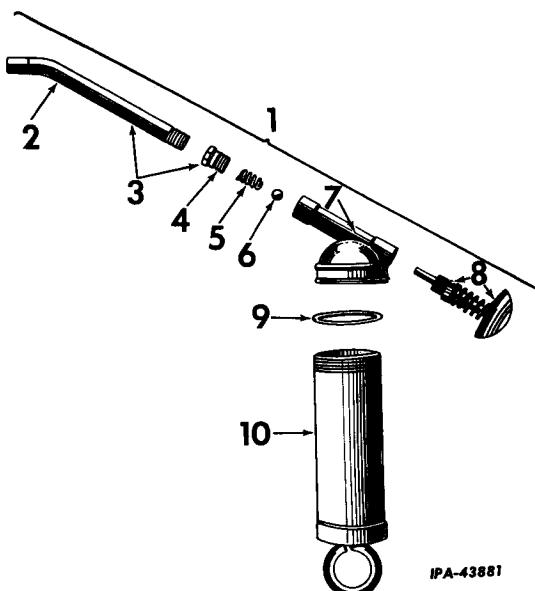
REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
HYDRAULIC CONTROLS - Continued				
5	293 803 R92	HANDLE, CONTROL		1
	179 885	SCREW, CAP, HEX-HD., 1/2-13NC x 1-1/2"		2
	179 883	SCREW, CAP, HEX-HD., 1/2-13NC x 1-1/4"		1
	103 323	WASHER, LOCK, MEDIUM, 1/2"		3
6	293 808 R91	GRIP, HAND ADJUSTABLE, CONTROL HANDLE, w/GRIP, 41 597 DA		1
7	41 597 DA	GRIP, HAND, CONTROL HANDLE		1
8	295 553 RII	SHAFT, FRONT CONTROL		1
9	273 278 R91	BUSHING, FRONT CONTROL SHAFT		2
10	295 534 RI	LEVER, FRONT CONTROL, INNER		1
	295 535 RI	BOLT, LOCKING, CONTROL LEVER		1
	551 172 RI	NUT, LOCK		1
11	295 535 RI	FOLLOWS REFERENCE NO. 10		
12	295 543 RI	LEVER, VALVE CONTROL		1
	551 193 RI	NUT, LOCK		1
	179 846	SCREW, CAP, HEX-HD., 3/8-16NC x 1-7/8"		1
13	295 541 R91	LINK, CONTROL, w/LINK, 295 542 RII, BEARING, 295 546 R91 AND NUT, 287 072 RI		1
	620 352 RI	NUT, LOCK		2
	179 889	SCREW, CAP, HEX-HD., 1/2-13NC x 2"		2
14	295 542 RII	LINK, CONTROL		1
15	295 546 R91	BEARING, CONTROL LINK ROD END		1
	287 072 RI	NUT, HEX.		1
16	295 547 R91	ROD, SIDE REACH, w/ROD, 295 548 RII, TWO BEARING, 293 333 R91 AND TWO NUT, 287 072 RI		1
	287 072 RI	NUT, HEX.		2
	181 433	SCREW, CAP, HEX-HD., 1/2-20NF x 1-3/4"		2
	103 329	WASHER, LOCK, HEAVY, 1/2"		2
17	293 333 R91	BEARING, REACH ROD END		2
	287 072 RI	NUT, HEX.		2
18	295 548 RII	ROD, SIDE REACH		1
19	295 556 RII	GUARD, REACH ROD		1
	287 074 RI	NUT, HEX.		2
	179 885	SCREW, CAP, HEX-HD., 1/2-13NC x 1-1/2"		2
	103 329	WASHER, LOCK, HEAVY, 1/2"		2



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HYDRAULIC BULLGRADERS AND BULLDOZERS

LUBRICATION GUN (Hand Type) (Lincoln Engineering Company)



REF. NO.	I H PART NUMBER	MFR'S. NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
	295 849 R91	700214	GUN, LUBRICATION (5 OZ. CAPACITY) (CONSISTS OF THE FOLLOWING PARTS)		1
1	296 952 R91	89946	HEAD, ASSEMBLY (COMPOSED OF - I BALL 16 008 RI I EXTENSION 296 953 RII I HEAD 353 862 RI I PLUNGER 353 861 R91 I SPRING 353 863 RI)		1
2	296 953 RI	62286	EXTENSION, NOZZLE		1
3	296 953 RII	82678	EXTENSION, NOZZLE, 296 953 RI, w/ADAPTER, 296 954 RI		1
4	296 954 RI	12000	ADAPTER, NOZZLE		1
5	353 863 RI	56041	SPRING, CHECK BALL		1
6	16 008 RI		BALL, CHECK, STL., 1/4" DIA.		1
7	353 862 RI	41168	HEAD		1
8	353 861 R91	90773	PLUNGER		1
9	353 855 RI	33063	GASKET, HEAD		1
10	40 537 DA	81094	TUBE, CONTAINER		1



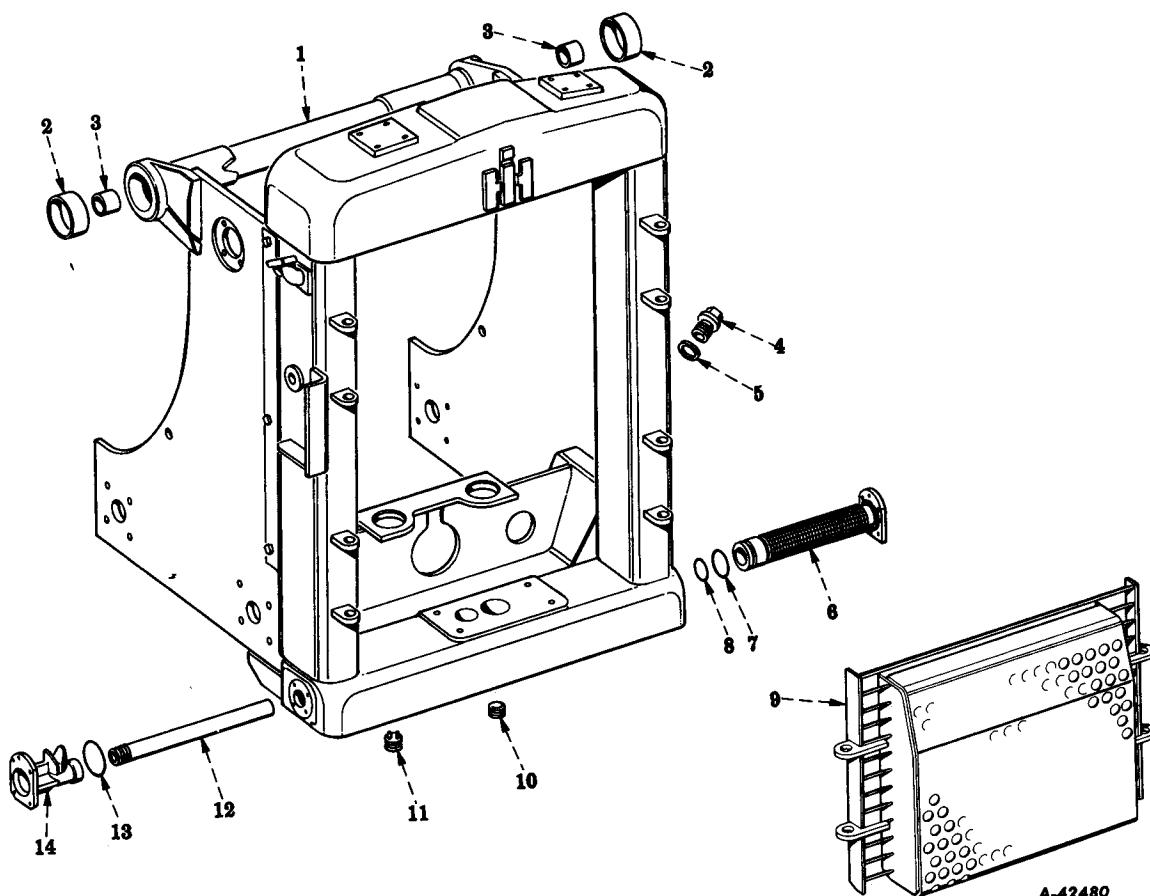
ATTACHMENTS

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ATTACHMENTS



RADIATOR GUARD (Special)



REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	294 965 R91	ATTACHMENT, RADIATOR GUARD W/MOUNTING FRAME (FOR MODELS 14G-2 BULLGRADER AND 14D-2 BULLDOZER)		1
		FACTORY APPLICATION - ORDER ON MACHINE ORDER FORM		
		FIELD APPLICATION - ORDER THROUGH REGULAR SERVICE PARTS CHANNELS		
2	294 995 RI	BUSHING, HOIST CYLINDER YOKE - OUTER		2
3	294 994 RI	BUSHING, HOIST CYLINDER YOKE - INNER		2
4	294 118 R2	PLUG, OIL FILLER		1
5	253 172 RI	GASKET, OIL FILLER PLUG (WILL WORK FOR 294 119 RI)		1
6	294 997 R91	STRAINER, OIL		1
	179 839	SCREW, CAP, HEX-HD., 3/8-16NC X 1"		4
	114 606	WASHER, LOCK, EXTERNAL-TOOTH, 3/8"		4
7	295 204 RI	RING, SEALING, OIL STRAINER, LARGE		1
8	295 203 RI	RING, SEALING, OIL STRAINER, SMALL		1
9	294 983 R91	DOOR, GRILLE, LOWER		1

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ATTACHMENTS

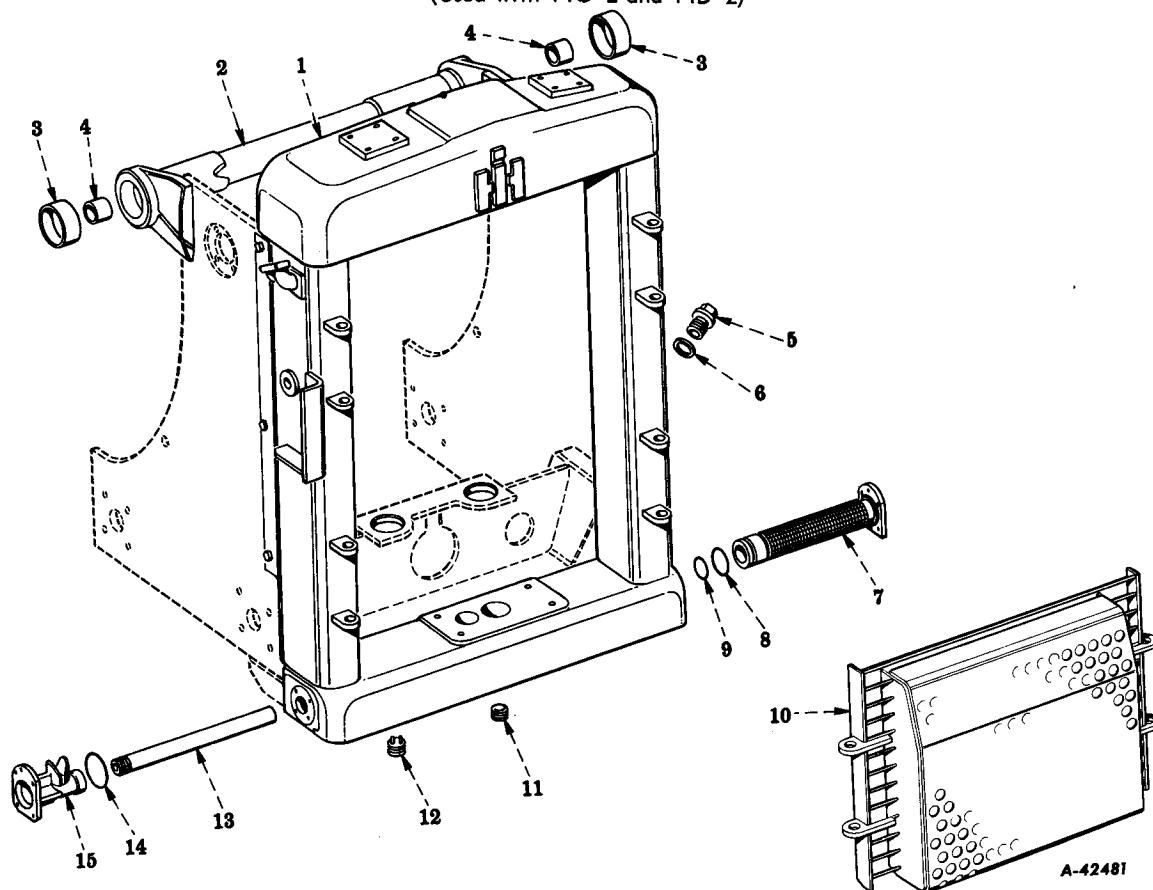
REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
- RADIATOR GUARD (Special) - Continued				
10	144 000	PLUG, OIL DRAIN, 1"		1
11	281 425 R91	PLUG, MAGNETIC DRAIN		1
12	295 207 RI	TUBE, CHECK VALVE		1
13	295 204 RI	RING, SEALING, CHECK VALVE		1
14	295 206 RII	BODY, CHECK VALVE		1
	179 839	SCREW, CAP, HEX-HD., 3/8-16NC x 1"		4
	114 606	WASHER, LOCK, EXTERNAL-TOTH, 3/8"		4
109 461		FITTING, LUBRICATION, HOIST CYLINDER YOKE BUSHING (OPTIONAL WITH 119 512)		2
119 512		FITTING, LUBRICATION, HOIST CYLINDER YOKE BUSHING (OPTIONAL WITH 109 461)		2
294 966 R91		GUARD AND RESERVOIR, RADIATOR, ASSEMBLY (COMPOSED OF -		1
	2 BUSHING	294 994 RI		
	2 BUSHING	294 995 RI		
	1 GASKET	253 172 RI		
	6 NUT	287 075 RI		
	1 PLUG	144 000		
	1 PLUG	281 425 R91		
	1 PLUG	294 118 R2		
	6 SCREW	271 609)		
287 075 RI		NUT, HEX., 3/4-10NC x 1-3/4"		6
271 609		SCREW, CAP, HEX-HD., 3/4-10NC x 1-3/4"		6

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ATTACHMENTS



RADIATOR GUARD (Special) (see NOTE)
(Used with 14G-2 and 14D-2)



REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	295 880 R91	ATTACHMENT, RADIATOR GUARD LESS MOUNTING FRAME (COMPOSED OF -)		1
	1 BODY	295 206 RI	1 PLUG	294 118 R2
	2 BUSHING	294 994 RI	1 POPPET	295 208 RI
	2 BUSHING	295 995 RI	1 RING	295 203 RI
	1 DOOR	295 983 R91	2 RING	295 204 RI
	2 FITTING	109 461	8 SCREW	179 839
	1 GASKET	253 172 RI	1 STRAINER	294 997 RI
	1 PIN	103 389	1 TUBE	294 991 RII
	1 PLUG	144 000	1 TUBE	295 207 RI
	1 PLUG	281 425 R91	8 WASHER	114 606)
2	294 991 RII	TUBE, CYLINDER SUPPORT, WELDED (NOT FURNISHED SEPARATELY)		1
3	294 995 RI	BUSHING, HOIST CYLINDER YOKE, OUTER		2
4	294 994 RI	BUSHING, HOIST CYLINDER YOKE, INNER		2
5	294 118 R2	PLUG, OIL FILLER		1
	NOTE:	FIELD APPLICATION ONLY—ORDER THROUGH REGULAR SERVICE PARTS CHANNELS.		
	§	NOT SERVICED SEPARATELY		



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ATTACHMENTS

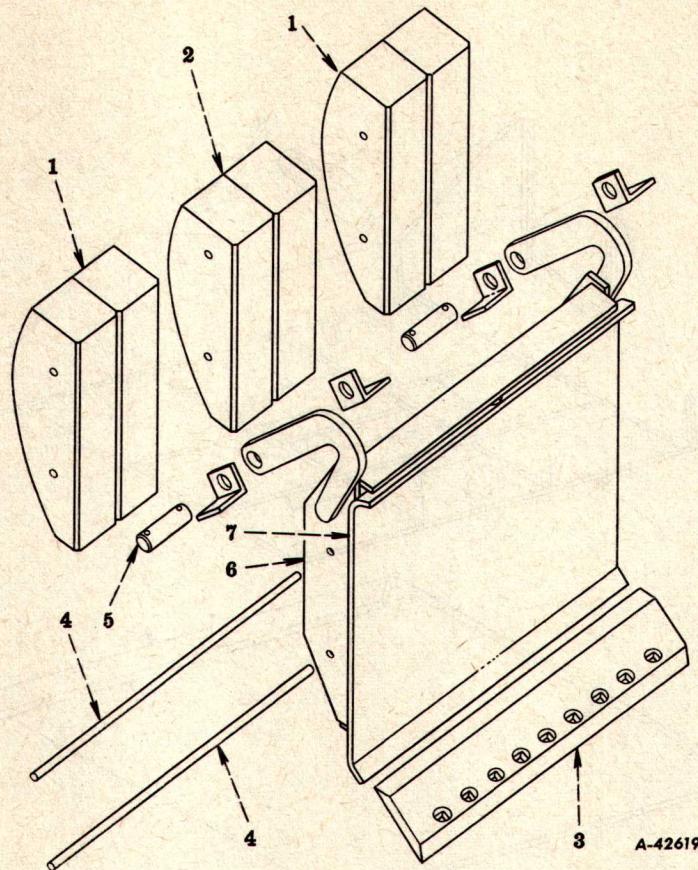
REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
RADIATOR GUARD (Special) (see NOTE) (Used with 14G-2 and 14D-2) - Continued				
6	253 172 RI	GASKET, OIL FILLER PLUG (WILL WORK FOR 294 119 RI)		1
7	294 997 R91	STRAINER, OIL		1
179 839		SCREW, CAP, HEX-HD., 3/8-16NC X 1"		4
114 606		WASHER, LOCK, EXTERNAL-TOOTH, 3/8"		4
8	295 204 RI	RING, SEALING, OIL STRAINER, LARGE		1
9	295 203 RI	RING, SEALING, OIL STRAINER, SMALL		1
10	294 983 R91	DOOR, GRILLE, LOWER		1
11	144 000	PLUG, DRAIN OIL		1
12	281 425 R91	PLUG, DRAIN, MAGNETIC		1
13	295 207 RI	TUBE, CHECK VALVE		1
14	295 204 RI	RING, SEALING, CHECK VALVE		1
15	295 206 RI	BODY, CHECK VALVE		1
109 461		FITTING, LUBRICATION, 1/8", HOIST CYLINDER YOKE BUSHING (LINCOLN 5000) (OPTIONAL WITH 119 512)		2
119 512		FITTING, LUBRICATION, 1/8", HOIST CYLINDER YOKE BUSHING (ALEMITE 1610) (OPTIONAL WITH 109 461)		2
179 839		SCREW, CAP, HEX-HD., 3/8-16NC X 1" (USED WITH CHECK VALVE)		4
114 606		WASHER, LOCK, EXTERNAL-TOOTH, 3/8" (USED WITH CHECK VALVE)		4
NOTE - FIELD APPLICATION ONLY - ORDER THROUGH REGULAR SERVICE PARTS CHANNELS				
PRINTED IN UNITED STATES OF AMERICA				

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ATTACHMENTS



PUSHER (Special)



REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	No. REQ'D
				A B

KEY TO LETTERS IN CAPTION -

- A - 295 955 R91 - ATTACHMENT, Pusher (Used with 14G-2 and 14GN-2) (See NOTE)
 B - 295 956 R91 - ATTACHMENT, Pusher (Used with 14D-2 and 14DN-2) (See NOTE)

1	295 966 RI	BLOCK, PUSHER FILLER, OUTER		4 4
2	295 967 RI	BLOCK, PUSHER FILLER, INNER		2 2
3	295 972 RI	EDGE, RETAINING, PUSHER		1 1
	17 331 RI	BOLT, PLOW		5 5
	220 081	NUT, HEX., 3/4-10NC		5 5
4	295 968 RI	TIE ROD, PUSHER BLOCK		2 2
5	295 971 RI	PIN, PUSHER HANGER		2 2
	189 396	PIN, COTTER, 1/2 x 2-3/4"		4 4
6		NOT FURNISHED SEPARATELY (ORDER COMPLETE ATTACHMENT)		
7	295 960 R91	WELD, PUSHER		1 1

NOTE - FACTORY APPLICATION - ORDER ON MACHINE ORDER FORM

FIELD APPLICATION - ORDER THROUGH REGULAR SERVICE PARTS CHANNELS

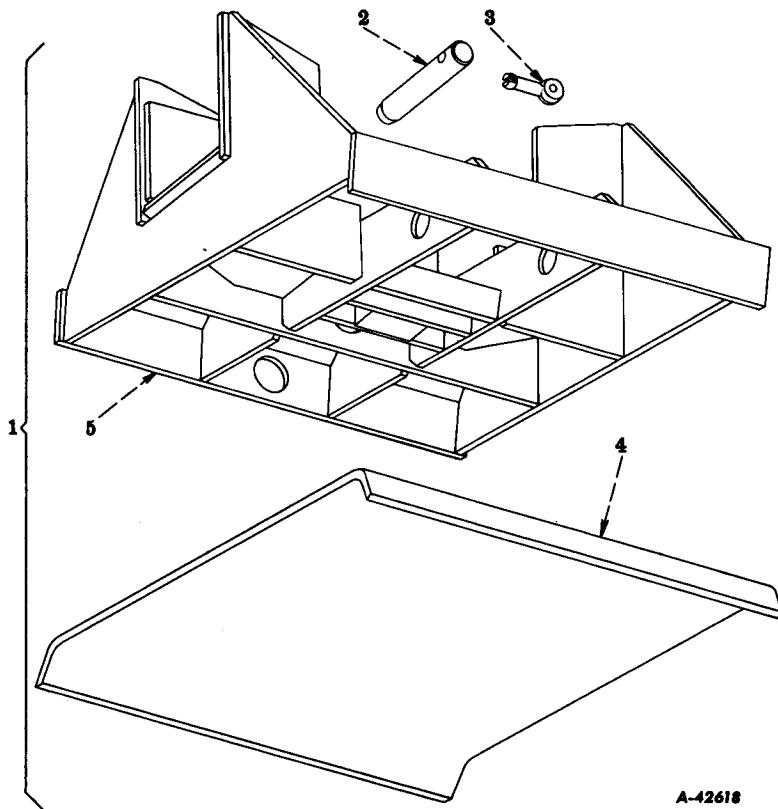
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ATTACHMENTS



PUSHER (Special)



A-42618

REF. NO.	I H PART NUMBER	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
1	295 959 R91	ATTACHMENT, PUSHER ("C" FRAME MOUNTED)		1
2	290 995 RI 271 558	PIN, CROSS HEAD CLEVIS, 1-7/8" DIA. X 9-1/8" SCREW, CAP, HEX-HD., 5/8-11NC X 1-1/2"		1
3	290 996 RI 103 325	PIN, EYE, SPRING, 3/4" DIA. X 3-1/4" WASHER, LOCK, 5/8"		1
4	295 951 R91	PUSHER		1
5		NOT FURNISHED SEPARATELY (ORDER COMPLETE ATTACHMENT)		
		FACTORY APPLICATION - ORDER ON MACHINE ORDER FORM		
		FIELD APPLICATION - ORDER THROUGH REGULAR SERVICE PARTS CHANNELS		



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38 575 HA	32	290 279 R1	7	293 002 R2	19
41 265 H	32	290 279 R1	8	293 002 R2	21
138 322 H	20	290 279 R1	9	293 003 R1	13
138 322 H	22	290 279 R1	11	293 003 R1	15
138 322 H	24	290 279 R1	14	293 003 R1	17
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110 146 R1	32	290 288 R1	24	293 030 R1	12
138 371 R1	32	290 290 R2	6	293 046 R11	8
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253 070 R1	29	290 480 R1	8	293 608 R1	12
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273 278 R9 1	38	290 523 R9 2	14	293 672 R1	29
281 425 R9 1	41	290 524 R9 2	14	293 673 R1	29
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285 723 R1	27	290 987 R1	29	293 675 R1	30
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287 075 R1	41	290 995 R1	11	293 686 R1	30
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290 173 R2	10	290 998 R1	9	293 689 R2	30
290 173 R2	12	290 998 R1	11	293 690 R1	30
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