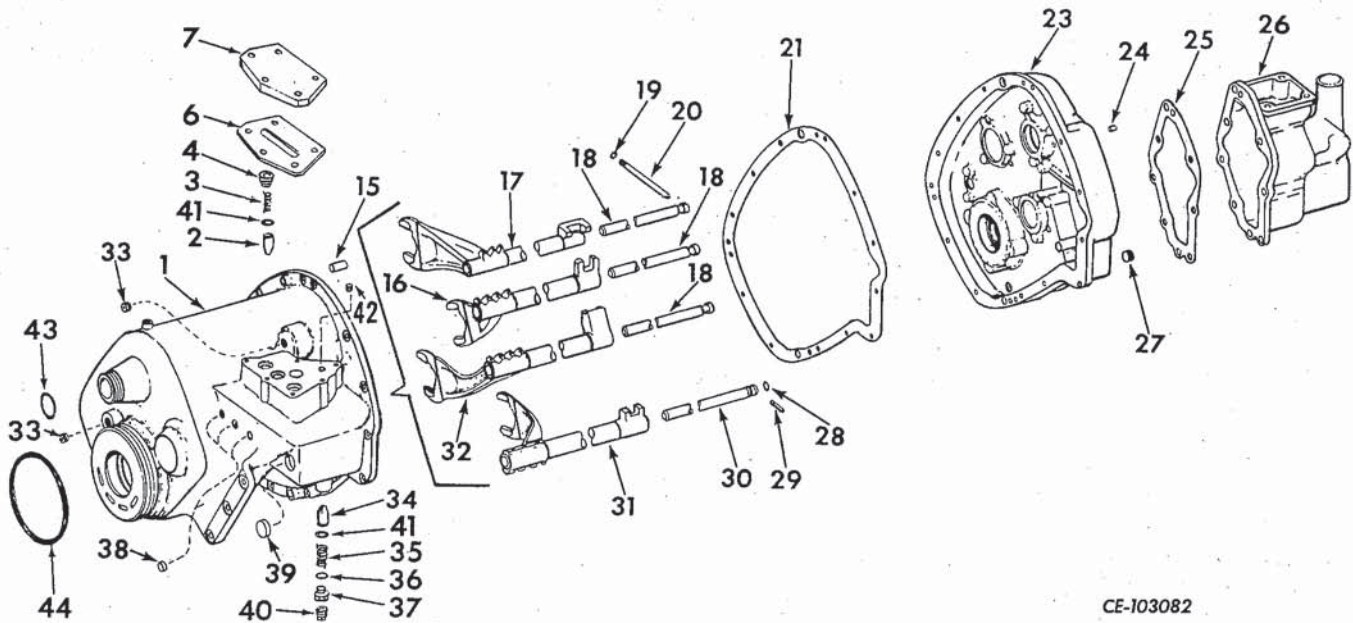


# DRIVE TRAIN

| REF.<br>NO.                                                                               | PART<br>NUMBER | DESCRIPTION |
|-------------------------------------------------------------------------------------------|----------------|-------------|
| TRANSMISSION CASE, COVER AND SHIFTING FORKS<br>(For Manual Shift and Custom Applications) |                |             |

| REF.<br>NO. | PART<br>NUMBER | DESCRIPTION |
|-------------|----------------|-------------|
|-------------|----------------|-------------|



CE-103082

|             |                                                                                                                                                            |           |                                     |                                                                                   |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------|-----------------------------------------------------------------------------------|
| 654 348 C91 | TRANSMISSION ASSY. (For Manual Shift) (Consists of all parts listed under "Transmission for Manual Shift and Custom Applications" except as noted -        | 15        | 125 860                             | DOWEL, 3/4 x 1-1/2" (2)                                                           |
| 654 349 C91 | TRANSMISSION ASSY. (For Custom Applications) (Consists of all parts listed under "Transmission for Manual Shift and Custom Applications" except as noted - | 16        | 327 856 R11                         | FORK, third and fourth gear shifter                                               |
| 27 432 R1   | SCREW, hex-hd cap (6)                                                                                                                                      | 17        | 327 859 R11                         | FORK, fifth gear shifter                                                          |
| 25 538 R1   | WASHER, hardened (6)                                                                                                                                       | 18        | 327 862 R1                          | SHAFT, gear shifter upper (3)                                                     |
| 1           | 334 847 R31 CASE w/two PLUG, 9 409 949, and four PLUG, 373 553 R1, transmission                                                                            | 19        | 355 967 R1                          | "O" RING, gear shifter upper shaft lock pin (3/8 x 1/2 x 1/16")                   |
| 2           | 654 200 C1 POPPET, first thru fifth gear shifter (3)                                                                                                       | 20        | 327 863 R1                          | PIN, gear shifter upper shaft lock                                                |
| 3           | 269 908 R1 SPRING, first thru fifth gear shifter poppet (3)                                                                                                | 25 496 R1 | SCREW, hex-hd cap                   |                                                                                   |
| 4           | 327 874 R1 PLUG, first thru fifth gear poppet spring retainer (3)                                                                                          | PO 10 532 | WASHER, flat                        |                                                                                   |
| 6           | 654 205 C1 GASKET, gear shift lock manifold                                                                                                                | 115 093   | WASHER, lock                        |                                                                                   |
| 7           | 654 204 C1 MANIFOLD, gear shift lock                                                                                                                       | 21        | 334 106 R2                          | GASKET, transmission cover                                                        |
| 25 497 R1   | SCREW, hex-hd cap (5)                                                                                                                                      | 23        | 603 164 C11                         | COVER w/two DOWEL, 125 860, two DOWEL, 141 279 and PLUG, 270 835 R1, transmission |
| 142 127 R1  | WASHER, hardened (5)                                                                                                                                       | 25 524 R1 | NUT (9)                             |                                                                                   |
|             |                                                                                                                                                            | 24 851 R1 | SCREW, 7/16 x 1-3/4" hex-hd cap (7) |                                                                                   |
|             |                                                                                                                                                            | 115 314   | WASHER, lock (9)                    |                                                                                   |
|             |                                                                                                                                                            | 25 262 R1 | SCREW, 7/16 x 3-3/4" hex-hd cap (2) |                                                                                   |
|             |                                                                                                                                                            | 24        | 141 279                             | DOWEL, 1/2 x 3/4" (2)                                                             |

## DRIVE TRAIN

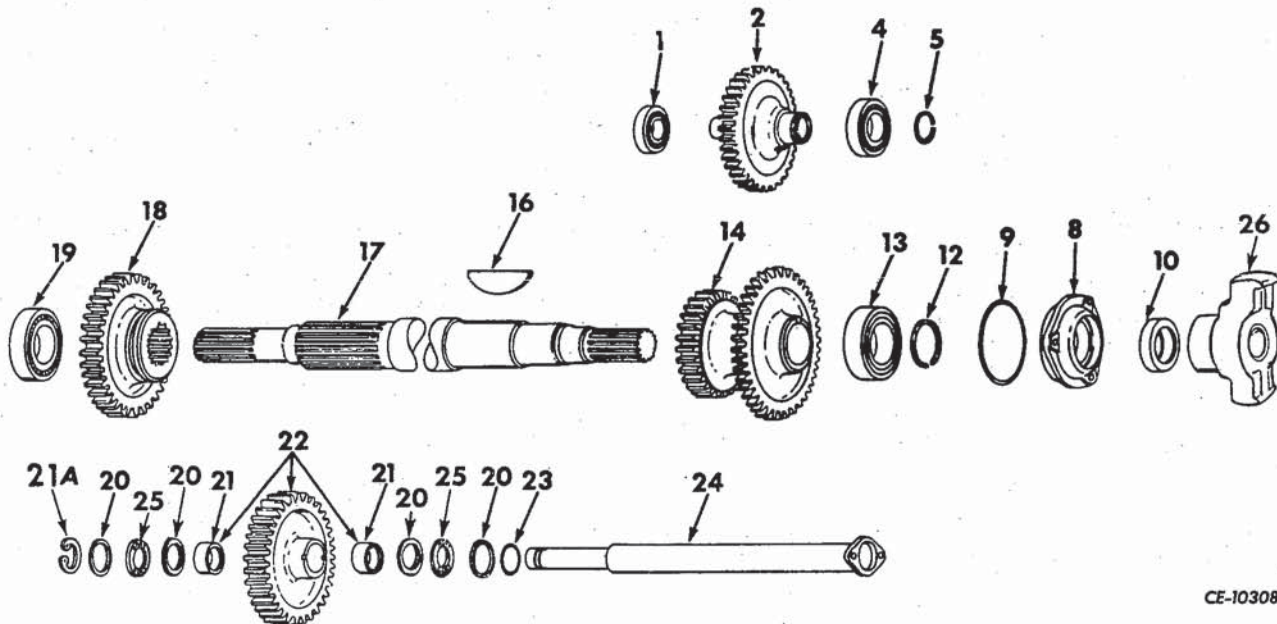
| REF.<br>NO.                                                                                           | PART<br>NUMBER | DESCRIPTION                                                      | REF.<br>NO. | PART<br>NUMBER | DESCRIPTION |
|-------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------|-------------|----------------|-------------|
| TRANSMISSION CASE, COVER AND SHIFTING FORKS<br>(For Manual Shift and Custom Applications) - Continued |                |                                                                  |             |                |             |
| 25                                                                                                    | 334 119 R1     | GASKET, gear shifter housing                                     |             |                |             |
| 26                                                                                                    | 327 851 R1     | HOUSING, gear shifter                                            |             |                |             |
|                                                                                                       | 25 524 R1      | NUT (4)                                                          |             |                |             |
|                                                                                                       | 70 427 R1      | SCREW, 7/16 x 1-1/4" hex-hd<br>cap (3)                           |             |                |             |
|                                                                                                       | 24 857 R1      | SCREW, 7/16 x 4-1/2" hex-hd<br>cap (4)                           |             |                |             |
|                                                                                                       | 115 314        | WASHER, lock (7)                                                 |             |                |             |
| 27                                                                                                    | 270 835 R1     | PLUG, csk pipe                                                   |             |                |             |
| 28                                                                                                    | 350 667 R1     | "O" RING, gear shifter lower shaft<br>(11/16 x 7/8 x 3/32")      |             |                |             |
| 29                                                                                                    | 19 885 R1      | PIN, 1/4 x 1-3/8" spiral                                         |             |                |             |
| 30                                                                                                    | 327 866 R2     | SHAFT, gear shifter lower                                        |             |                |             |
| 31                                                                                                    | 327 864 R11    | FORK, forward and reverse gear shifter                           |             |                |             |
| 32                                                                                                    | 327 853 R11    | FORK, first and second gear shifter                              |             |                |             |
| 33                                                                                                    | 9 409 949      | PLUG, sq-soc pipe (2)                                            |             |                |             |
| 34                                                                                                    | 654 200 C1     | POPPET, forward and reverse gear<br>shifter                      |             |                |             |
| 35                                                                                                    | 269 908 R1     | SPRING, forward and reverse gear<br>shifter poppet               |             |                |             |
| 36                                                                                                    | 120 428        | GASKET, forward and reverse gear<br>shifter poppet plug          |             |                |             |
| 37                                                                                                    | 654 201 C1     | PLUG, forward and reverse gear<br>shifter poppet                 |             |                |             |
|                                                                                                       | 142 619 H      | WASHER, 13/32" flat                                              |             |                |             |
| 38                                                                                                    | 373 553 R1     | PLUG, transmission case cup (3)                                  |             |                |             |
| 39                                                                                                    | 373 553 R1     | PLUG, transmission case cup                                      |             |                |             |
| 40                                                                                                    | 23 598 R1      | BUSHING, poppet plug reducer                                     |             |                |             |
| 41                                                                                                    | 574 069 R1     | "O" RING, poppet (3/4 x 7/8 x 1/16")<br>(4)                      |             |                |             |
| 42                                                                                                    | 444 655        | PLUG, lock plate port                                            |             |                |             |
| 43                                                                                                    | 654 746 C1     | "O" RING, transmission case upper<br>(2-3/8 x 2-3/4 x 3/16") (*) |             |                |             |
| 44                                                                                                    | 654 748 C1     | "O" RING, transmission case lower<br>(7-3/4 x 8-1/4 x 1/4") (*)  |             |                |             |

(\*) - Not part of Transmission Assembly.

## DRIVE TRAIN

| REF.<br>NO. | PART<br>NUMBER | DESCRIPTION | REF.<br>NO. | PART<br>NUMBER | DESCRIPTION |
|-------------|----------------|-------------|-------------|----------------|-------------|
|-------------|----------------|-------------|-------------|----------------|-------------|

TRANSMISSION  
REVERSE IDLER GEAR, INPUT SHAFT  
AND FIFTH SPEED IDLER SHAFT  
(For Manual and Custom Applications)



CE-103081

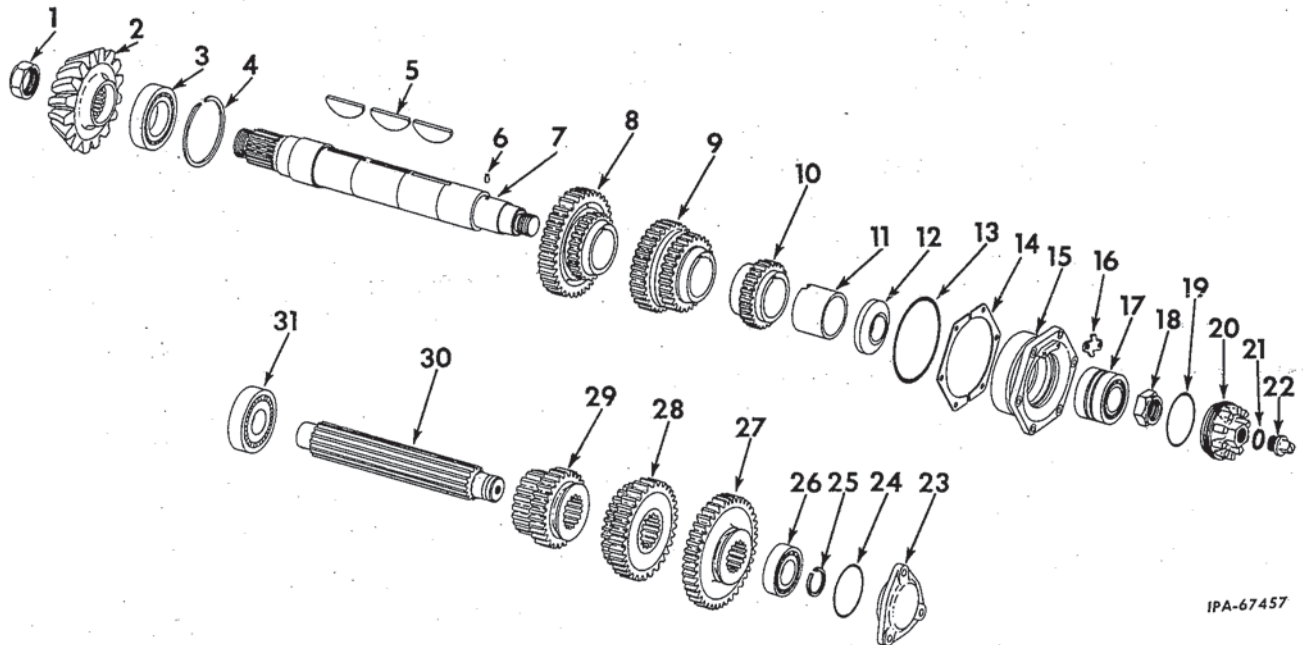
|    |                                     |                                                               |     |                                    |                                                                     |
|----|-------------------------------------|---------------------------------------------------------------|-----|------------------------------------|---------------------------------------------------------------------|
| 1  | 606 161 C91                         | BEARING, reverse idler rear                                   | 19  | 321 966 R91                        | BEARING, transmission input rear                                    |
| 2  | 616 460 C1                          | GEAR, reverse idler                                           | 20  | 864 982 R1                         | RACE, 5th speed idler gear thrust bearing (4)                       |
| 4  | ST 205 A                            | BEARING, reverse idler front                                  | 21  | 308 674 R91                        | BEARING (2)                                                         |
| 5  | 359 141 R1                          | RING, reverse idler front bearing snap                        | 21A | 631 530 R1                         | RING, 5th speed idler shaft retainer                                |
| 8  | 658 105 C1<br>610 081 C1<br>115 314 | HOUSING, input shaft oil seal<br>BOLT (3)<br>WASHER, lock (3) | 22  | 603 160 C11                        | GEAR, 5th speed idler                                               |
| 9  | 610 411 C1                          | "O" RING, input shaft oil seal housing (3-1/2 x 3-3/4 x 1/8") | 23  | 252 483 R1                         | "O" RING, 5th speed idler shaft (1-1/4 x 1-1/2 x 1/8")              |
| 10 | 619 586 C91                         | SEAL and ROTOR, transmission input shaft                      | 24  | 654 242 C1<br>70 427 R1<br>115 314 | SHAFT, 5th speed idler<br>SCREW, hex-hd cap (2)<br>WASHER, lock (2) |
| 12 | 358 236 R1                          | RING, transmission input shaft bearing snap                   | 25  | 368 372 R91                        | BEARING, 5th speed idler gear thrust (2)                            |
| 13 | ST 278                              | BEARING, transmission input shaft front                       | 26  | 658 103 C1                         | YOKE, transmission drive (*)                                        |
| 14 | 603 162 C1                          | GEAR, forward and reverse driving                             |     |                                    |                                                                     |
| 16 | 12 484 R1                           | KEY, forward and reverse driving gear (Woodruff No. 30)       |     |                                    |                                                                     |
| 17 | 658 106 C1                          | SHAFT, transmission input                                     |     |                                    |                                                                     |
| 18 | 603 161 C1                          | GEAR, fifth speed driving                                     |     |                                    |                                                                     |

(\*) - Not part of Transmission Assy.

## DRIVE TRAIN

| REF.<br>NO. | PART<br>NUMBER | DESCRIPTION | REF.<br>NO. | PART<br>NUMBER | DESCRIPTION |
|-------------|----------------|-------------|-------------|----------------|-------------|
|-------------|----------------|-------------|-------------|----------------|-------------|

### TRANSMISSION BEVEL PINION SHAFT AND SPLINE SHAFT (For Manual Shift and Custom Applications)



IPA-67457

|    |             |                                                  |    |             |                                                                            |
|----|-------------|--------------------------------------------------|----|-------------|----------------------------------------------------------------------------|
| 1  | 19 829 R1   | NUT, bevel pinion retainer                       | 13 | 610 415 C1  | "O" RING, bevel pinion shaft bearing cage (4-7/8 x 5-3/8 x 1/4")           |
| 2  |             | PINION, bevel (*)                                | 14 | 334 686 R1  | SHIM, bevel pinion shaft (.015") (x)                                       |
| 3  | 705 320 C91 | BEARING, pinion rear                             | 14 | 334 688 R1  | SHIM, bevel pinion shaft (.004") (x)                                       |
| 4  | 324 049 R1  | RING, rear bearing bevel pinion retainer         | 14 | 334 687 R1  | SHIM, bevel pinion shaft (.007") (x)                                       |
| 5  | 12 484 R1   | KEY, driven gear (3)                             | 15 | 334 685 R2  | CAGE, pinion shaft bearing                                                 |
| 6  | 141 127     | PIN, 5/32 x 5/16" dowel                          |    | 24 850 R1   | SCREW, hex-hd cap (6)                                                      |
| 7  | 327 839 R1  | SHAFT, bevel pinion                              |    | 115 314     | WASHER, lock (6)                                                           |
| 8  | 654 233 C1  | GEAR, first and fifth speed driven (43-26T) (+)  | 16 | 325 007 R1  | LOCK, bevel pinion shaft front bearing retainer                            |
| 8  | 654 140 C1  | GEAR, first and fifth speed driven (39-26T) (%)  |    | 24 839 R1   | SCREW, hex-hd cap (2)                                                      |
| 9  | 603 155 C1  | GEAR, second and third speed driven (34-30T) (%) |    | 115 093     | WASHER, lock (2)                                                           |
| 9  | 654 232 C1  | GEAR, second and third speed driven (38-34T) (+) | 17 | 321 969 R91 | BEARING, bevel pinion shaft front                                          |
| 10 | 603 156 C1  | GEAR, fourth speed driven (27T) (%)              | 18 | 19 499 R1   | NUT, bevel pinion shaft front                                              |
| 10 | 603 227 C1  | GEAR, fourth speed driven (29T) (+)              | 19 | 285 723 R1  | "O" RING, bevel pinion shaft front bearing retainer (3-1/8 x 3-3/8 x 1/8") |
| 11 | 325 003 R1  | SPACER, bevel pinion shaft rear                  | 20 | 325 005 R1  | RETAINER, bevel pinion shaft front bearing                                 |
| 12 | 325 004 R1  | SPACER, bevel pinion shaft front                 |    |             |                                                                            |

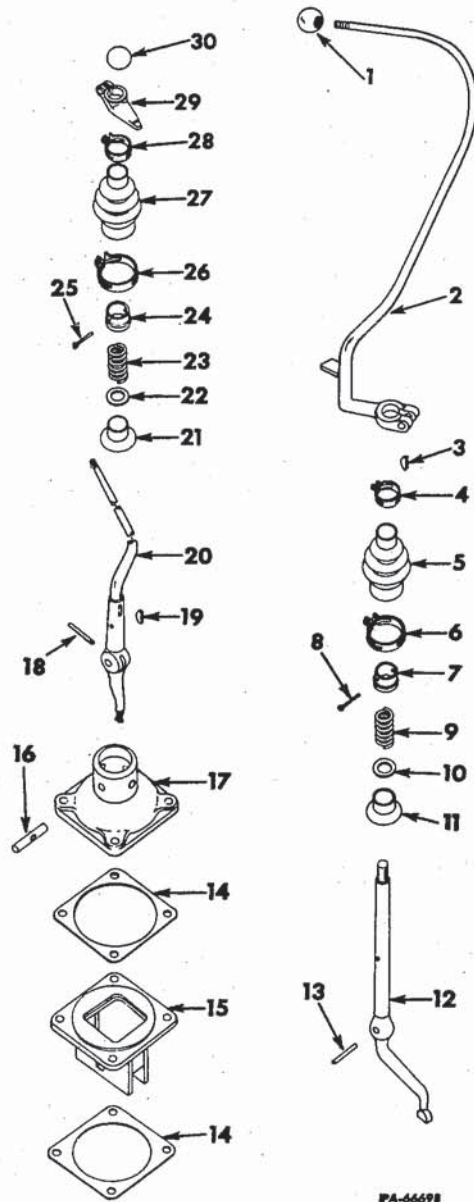
(+) - For Manual Shift.  
 (%) - For Custom Applications.  
 (\*) - Listed and illustrated with "Steering Planetary Drive."  
 (x) - As Required.

## DRIVE TRAIN

| REF. NO.                                                      | PART NUMBER | DESCRIPTION |
|---------------------------------------------------------------|-------------|-------------|
| <b>TRANSMISSION</b>                                           |             |             |
| <b>BEVEL PINION SHAFT AND SPLINE SHAFT - Continued</b>        |             |             |
| <b>(For Manual Shift and Custom Applications) - Continued</b> |             |             |

|    |                                    |                                                                              |
|----|------------------------------------|------------------------------------------------------------------------------|
| 21 | 269 910 R1                         | GASKET, bevel pinion shaft front bearing retainer plug                       |
| 22 | 269 909 R2                         | PLUG, bevel pinion shaft front bearing retainer                              |
| 23 | 603 206 C1<br>70 427 R1<br>115 314 | CAP, spline shaft front bearing<br>SCREW, hex-hd cap (3)<br>WASHER, lock (3) |
| 24 | 259 246 R1                         | "O" RING, spline shaft front bearing cap (3-7/8 x 4-1/8 x 1/8")              |
| 25 | 359 894 R1                         | RING, spline shaft front bearing snap                                        |
| 26 | ST 203                             | BEARING, spline shaft front                                                  |
| 27 | 603 159 C1                         | GEAR, forward and reverse driven (45T)                                       |
| 28 | 603 229 C1                         | GEAR, third and fourth speed driving (38-32T) (+)                            |
| 28 | 603 158 C1                         | GEAR, third and fourth speed driving (37-40T) (%)                            |
| 29 | 654 231 C1                         | GEAR, first and second speed driving (27-23T) (+)                            |
| 29 | 654 139 C1                         | GEAR, first and second speed driving (28-33T) (%)                            |
| 30 | 603 205 C1                         | SHAFT, spline                                                                |
| 31 | 631 634 C91                        | BEARING, spline shaft rear                                                   |

| REF. NO.                                          | PART NUMBER | DESCRIPTION |
|---------------------------------------------------|-------------|-------------|
| <b>TRANSMISSION CONTROLS</b>                      |             |             |
| <b>(For Manual Shift and Custom Applications)</b> |             |             |
| <b>(Not Part of Transmission Assembly)</b>        |             |             |



|   |            |                                                      |
|---|------------|------------------------------------------------------|
| 1 | 264 055 R2 | BALL, forward and reverse shift lever.               |
| 2 | 650 377 C1 | LEVER, forward and reverse (For Custom Applications) |
| 2 | 651 359 C1 | LEVER, forward and reverse (For Manual Shift)        |
|   | 25 526 R1  | NUT                                                  |
|   | 24 865 R1  | SCREW, hex-hd cap                                    |
|   | 116 121    | WASHER, lock                                         |

(+) - For Manual Shift.  
(%) - For Custom Application.

## DRIVE TRAIN

| REF.<br>NO.                                                                                                            | PART<br>NUMBER | DESCRIPTION                                         | REF.<br>NO. | PART<br>NUMBER | DESCRIPTION                                  |
|------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------|-------------|----------------|----------------------------------------------|
| TRANSMISSION CONTROLS — Continued<br>(For Manual Shift and Custom Applications)<br>(Not Part of Transmission Assembly) |                |                                                     |             |                |                                              |
| 3                                                                                                                      | 124 552        | KEY (Woodruff No. 1)                                | 28          | 252 977 R91    | CLAMP, shifter lever boot upper              |
| 4                                                                                                                      | 252 977 R91    | CLAMP, forward and reverse shift lever upper        | 29          | 327 842 R1     | LEVER, fifth and reverse gear shift lock out |
| 5                                                                                                                      | 325 029 R1     | BOOT, forward and reverse shift lever               |             | 24 841 R1      | SCREW, hex-hd cap                            |
| 6                                                                                                                      | 274 088 R91    | CLAMP, forward and reverse shift lever lower        |             | 115 093        | WASHER, lock                                 |
| 7                                                                                                                      | 252 852 R1     | STOP, forward and reverse lever swivel cap spring   | 30          | 264 055 R2     | BALL, shifter lever                          |
| 8                                                                                                                      | 104 076        | RIVET, rd-hd                                        |             |                |                                              |
| 9                                                                                                                      | 252 844 R1     | SPRING, forward and reverse lever swivel cap        |             |                |                                              |
| 10                                                                                                                     | 256 141 R1     | WASHER, forward and reverse lever swivel cap spring |             |                |                                              |
| 11                                                                                                                     | 325 028 R1     | CAP, forward and reverse lever swivel               |             |                |                                              |
| 12                                                                                                                     | 327 846 R1     | LEVER, forward and reverse gear shift pivot         |             |                |                                              |
| 13                                                                                                                     | 306 025 R2     | SHAFT, forward and reverse gear shift lever         |             |                |                                              |
| 14                                                                                                                     | 327 872 R1     | GASKET, gear selector (2)                           |             |                |                                              |
| 15                                                                                                                     | 327 868 R91    | GATE, gear selector                                 |             |                |                                              |
| 16                                                                                                                     | 306 026 R1     | SHAFT, shifter lever large                          |             |                |                                              |
| 17                                                                                                                     | 327 873 R1     | TOWER, gear selector                                |             |                |                                              |
|                                                                                                                        | 140 483 H      | SCREW, hex-hd cap (4)                               |             |                |                                              |
|                                                                                                                        | 115 093        | WASHER, lock (4)                                    |             |                |                                              |
| 18                                                                                                                     | 306 025 R2     | SHAFT, shifter lever small                          |             |                |                                              |
| 19                                                                                                                     | 124 549        | KEY, (Woodruff No. 9)                               |             |                |                                              |
| 20                                                                                                                     | 650 376 C1     | LEVER, gear shift hand (For Custom Applications)    |             |                |                                              |
| 20                                                                                                                     | 612 576 C1     | LEVER, gear shift hand (For Manual Shift)           |             |                |                                              |
| 21                                                                                                                     | 325 028 R1     | CAP, shifter swivel                                 |             |                |                                              |
| 22                                                                                                                     | 256 141 R1     | WASHER, swivel cap spring                           |             |                |                                              |
| 23                                                                                                                     | 252 844 R1     | SPRING, swivel cap                                  |             |                |                                              |
| 24                                                                                                                     | 252 852 R1     | STOP, swivel cap spring                             |             |                |                                              |
| 25                                                                                                                     | 104 076        | RIVET, rd-hd                                        |             |                |                                              |
| 26                                                                                                                     | 274 088 R91    | CLAMP, shifter lever boot lower                     |             |                |                                              |
| 27                                                                                                                     | 325 029 R1     | BOOT, shifter lever                                 |             |                |                                              |