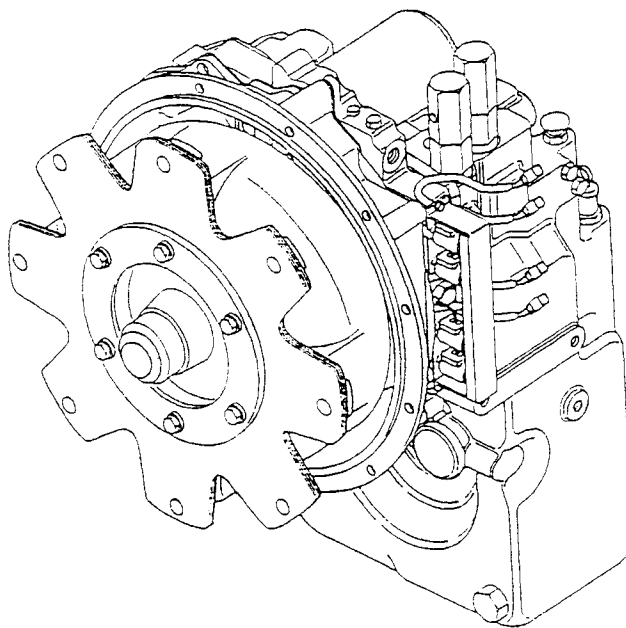


# TRANSMISSION PARTS BOOK

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TH528C TH528C TURBO  
TH636C TH644C TH842C TH844C



DATE: 3-17-03  
CLARK T12000 SERIES  
INTERMEDIATE DROP

TEREX HANDLERS

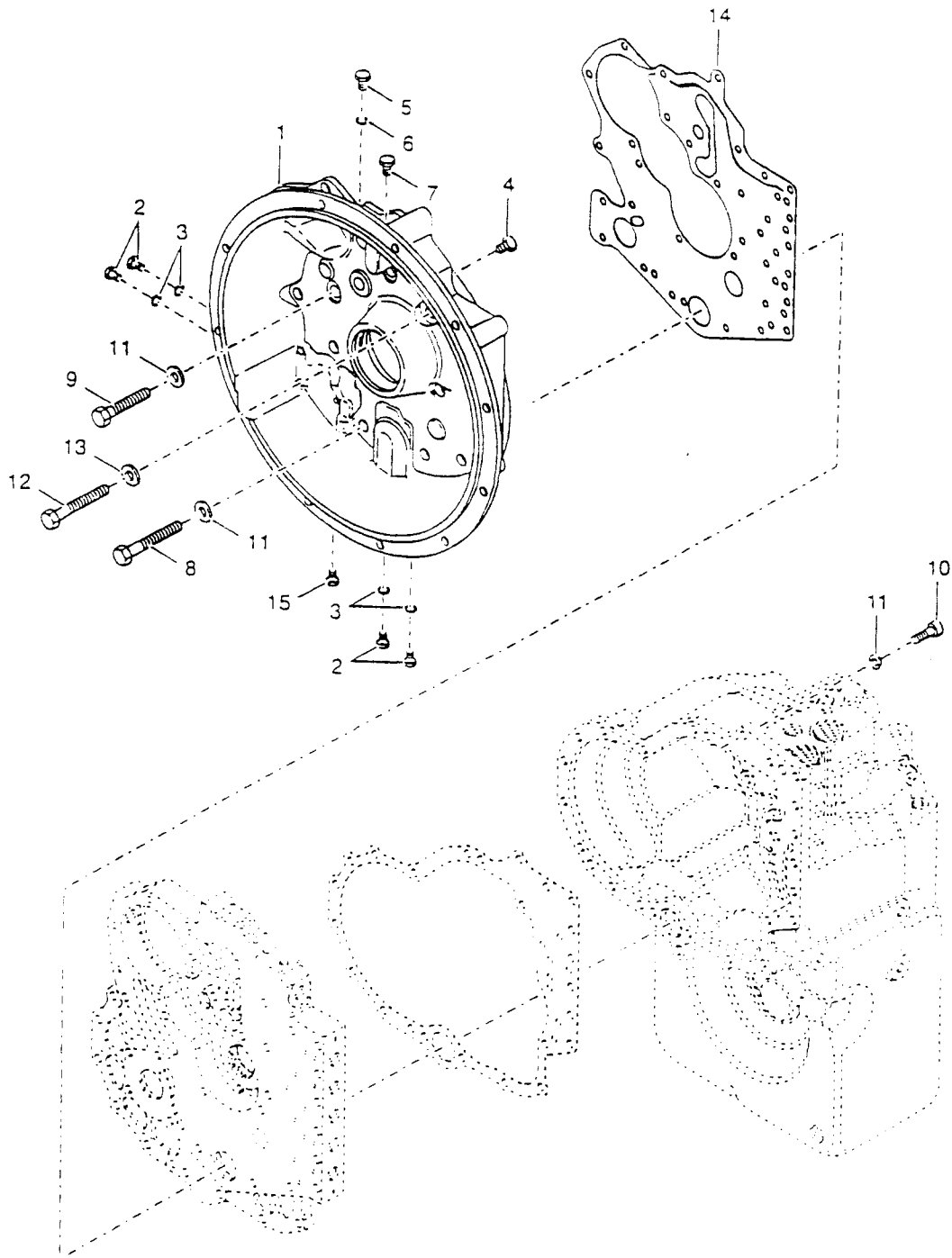
455 N. Superior Ave., Baraga, MI 49908-0790

PH: (906) 353-6675; FAX: (906) 353-7543

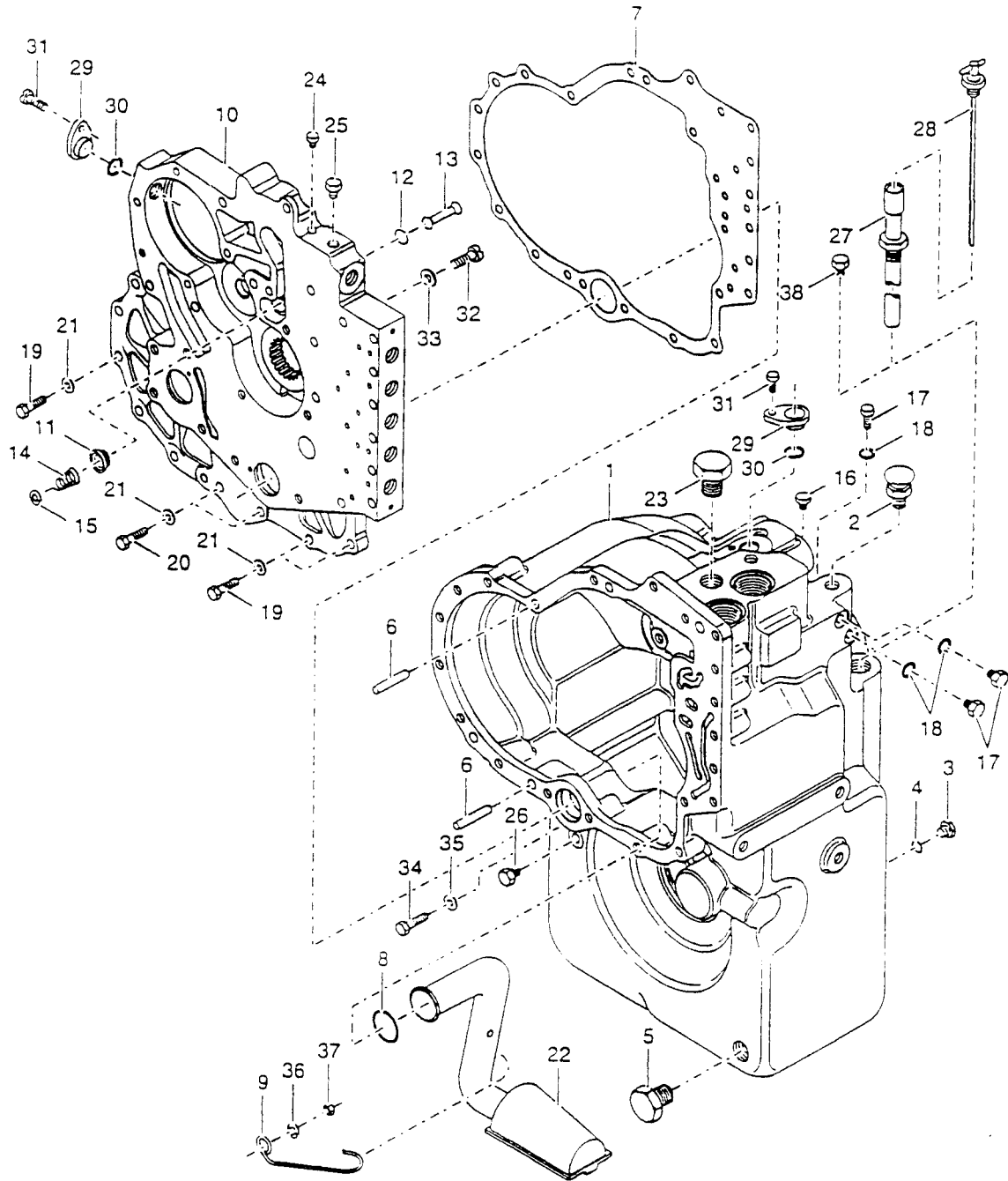
INTERNET: <http://www.sqshooter.com>

# INDEX

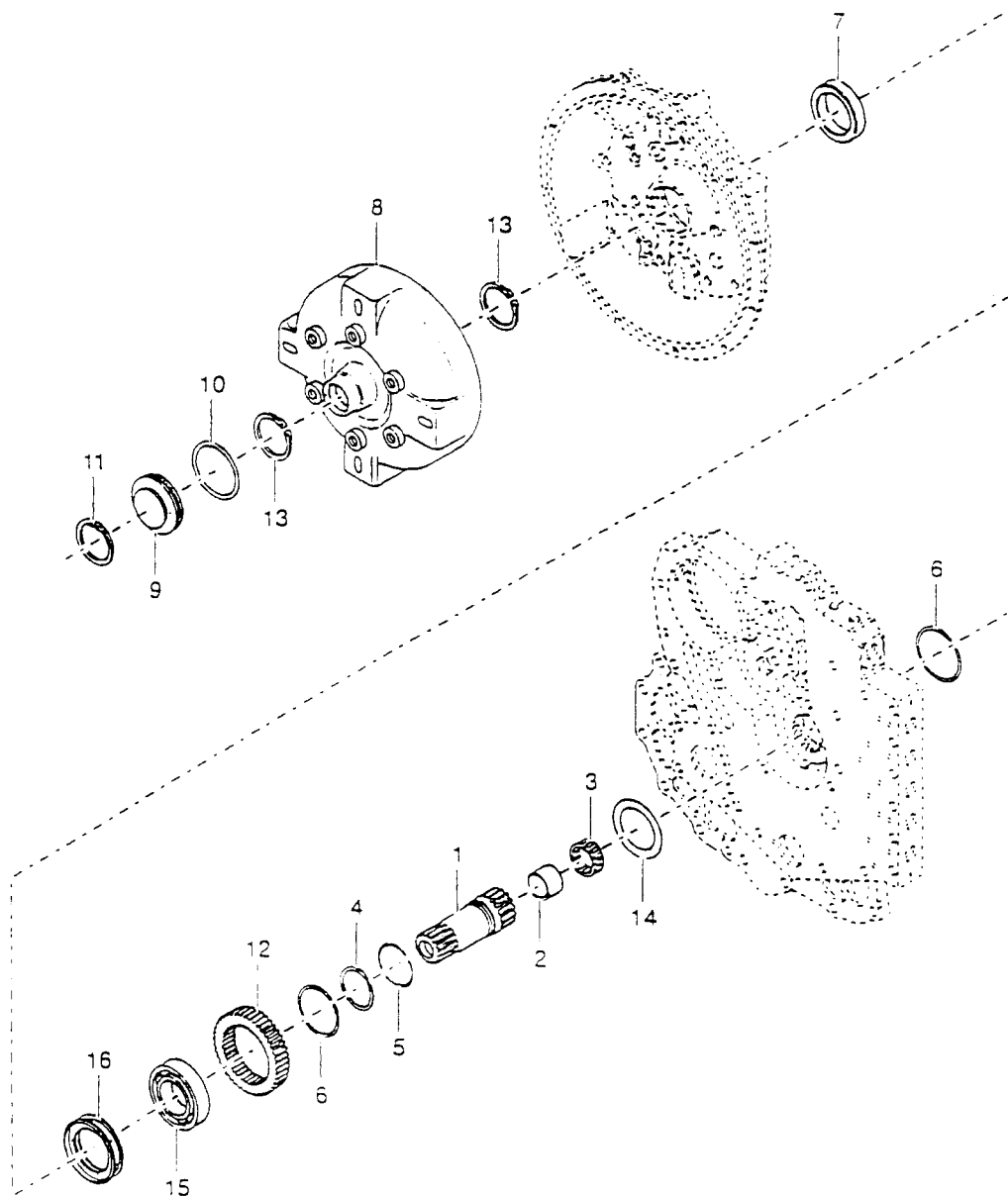
| PAGE | DESCRIPTION                                     | DRAWING |
|------|-------------------------------------------------|---------|
| 1    | CONVERTER HOUSING GROUP .....                   | P1-1244 |
| 2    | TRANSMISSION CASE AND PLATE GROUP .....         | P1-1245 |
| 3    | TORQUE CONVERTER GROUP .....                    | P1-1265 |
| 4    | GEAR GROUP .....                                | P1-1247 |
| 5    | PUMP DRIVE GROUP .....                          | P1-1248 |
| 6    | CHARGING PUMP GROUP .....                       | P1-1266 |
| 7    | REVERSE IDLER GROUP .....                       | P1-1250 |
| 8    | FORWARD AND REVERSE SHAFT GROUP .....           | P1-1251 |
| 9    | 3rd SHAFT GROUP .....                           | P1-1252 |
| 10   | FIRST AND SECOND SHAFT GROUP .....              | P1-1253 |
| 11   | OUTPUT SHAFT GROUP .....                        | P1-1254 |
| 12   | ELECTRIC CONTROL GROUP .....                    | P1-1255 |
| 13   | DRIVE PLATE GROUP / ALL EXC. TH528C TURBO ..... | P1-1256 |
| 14   | DRIVE PLATE GROUP / TH528C TURBO ONLY .....     | P1-1791 |



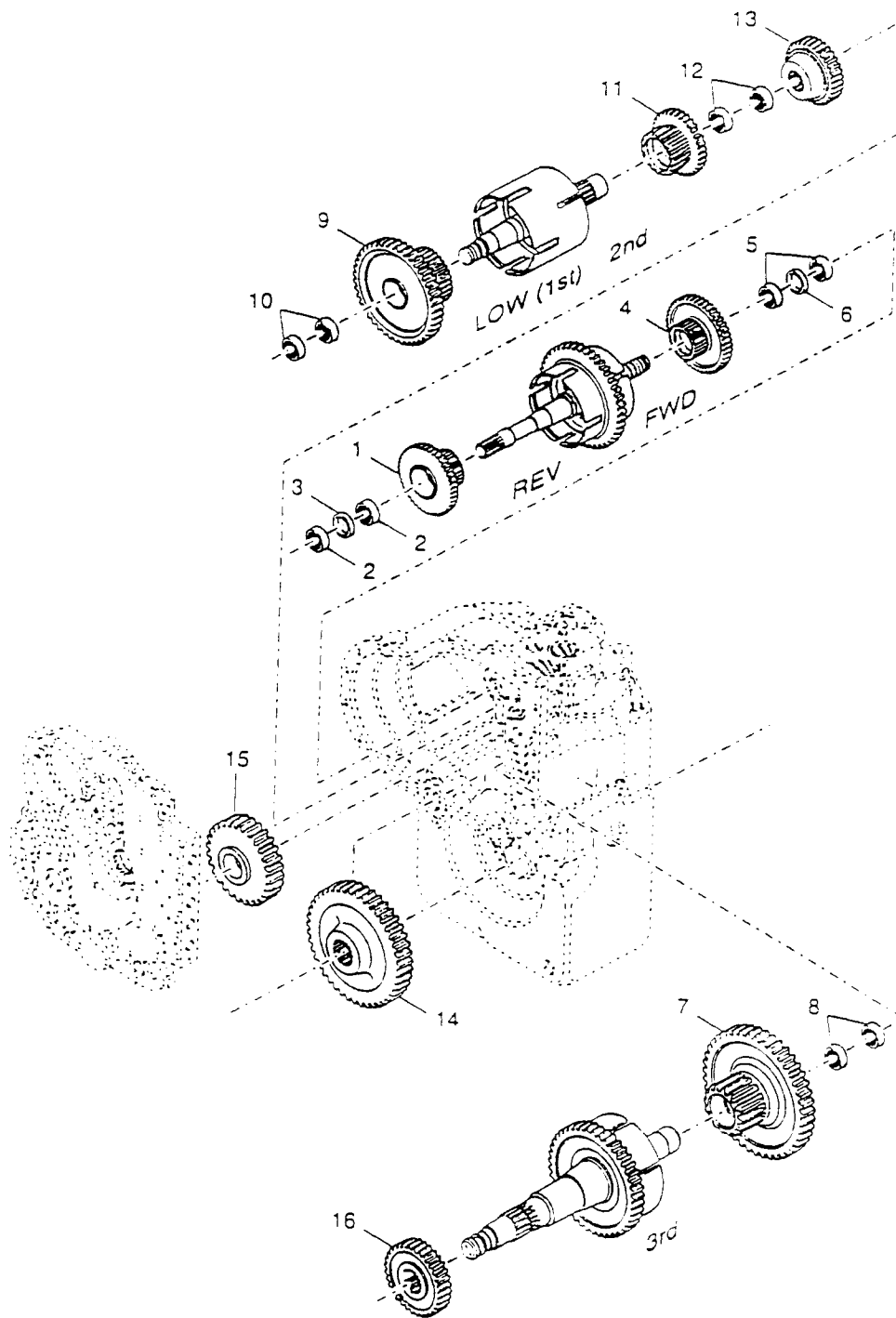
| ITEM | NUMBER    | DESCRIPTION            | REQD |
|------|-----------|------------------------|------|
| 1    | 7-126-384 | CONVERTER HOUSING      | 1    |
| 2    | 7-126-385 | PLUG (INCLUDES ITEM 3) | 4    |
| 3    | 7-126-386 | O-RING                 | 4    |
| 4    | 7-126-387 | PLUG                   | 1    |
| 5    | 7-126-385 | PLUG (INCLUDES ITEM 6) | 1    |
| 6    | 7-126-386 | O-RING                 | 1    |
| 7    | 7-126-04  | PLUG                   | 1    |
| 8    | 7-126-388 | SCREW                  | 6    |
| 9    | 7-126-389 | SCREW                  | 3    |
| 10   | 7-126-390 | SCREW                  | 1    |
| 11   | 7-126-391 | LOCKWASHER             | 10   |
| 12   | 7-126-389 | SCREW                  | 13   |
| 13   | 7-126-391 | LOCKWASHER             | 13   |
| 14   | 7-126-393 | GASKET                 | 1    |
| 15   | 7-126-392 | PLUG                   | 1    |



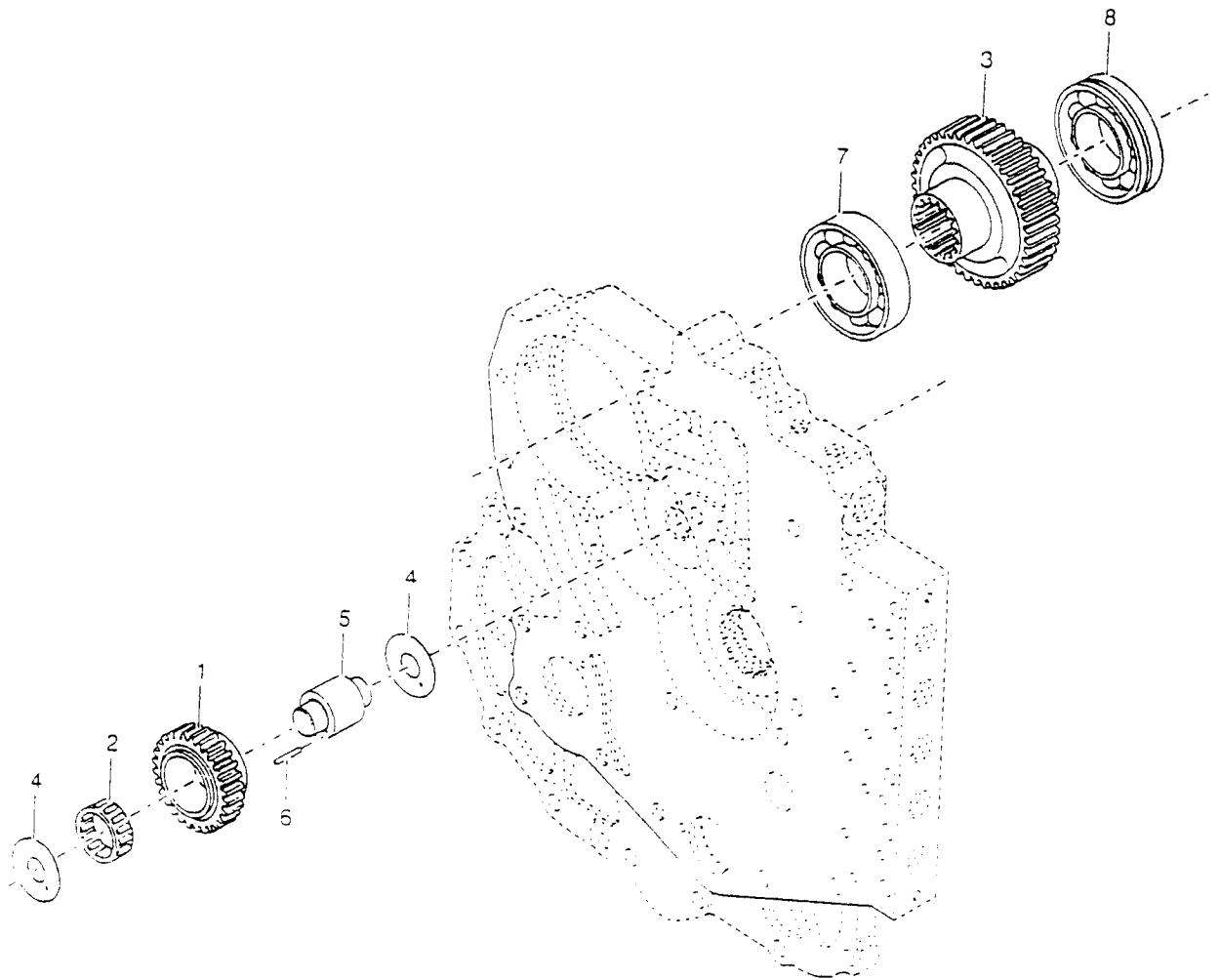
| ITEM | NUMBER    | DESCRIPTION              | REQD |
|------|-----------|--------------------------|------|
| 1    | 7-126-394 | TRANSMISSION CASE        | 1    |
| 2    | 7-126-05  | BREATHER                 | 1    |
| 3    | 7-126-395 | PLUG (INCLUDES ITEM 4)   | 2    |
| 4    | 7-126-358 | O-RING                   | 2    |
| 5    | 7-126-33  | PLUG / MAGNETIC DRAIN    | 1    |
| 6    | 7-126-396 | PIN                      | 2    |
| 7    | 7-126-357 | GASKET                   | 1    |
| 8    | 7-126-359 | RING                     | 1    |
| 9    | 7-126-397 | CLIP                     | 1    |
| 10   | 7-126-398 | SPACER                   | 1    |
| 11   | 7-126-399 | SEAT                     | 1    |
| 12   | 7-126-400 | SNAP RING                | 1    |
| 13   | 7-126-401 | POPPET                   | 1    |
| 14   | 7-126-402 | SPRING                   | 1    |
| 15   | 7-126-403 | WASHER                   | 1    |
| 16   | 7-126-387 | PLUG                     | 1    |
| 17   | 7-126-385 | PLUG (INCLUDES ITEM 18)  | 3    |
| 18   | 7-126-386 | O-RING                   | 3    |
| 19   | 7-126-387 | SCREW                    | 7    |
| 20   | 7-126-388 | SCREW                    | 2    |
| 21   | 7-126-391 | LOCKWASHER               | 9    |
| 22   | 7-126-392 | TUBE AND SCREEN ASSEMBLY | 1    |
| 23   | 7-126-265 | FILLER PLUG              | 1    |
| 24   | 7-126-387 | PLUG                     | 1    |
| 25   | 7-126-04  | PLUG                     | 1    |
| 26   | 7-126-393 | PLUG                     | 1    |
| 27   | 7-126-270 | DIPSTICK TUBE            | 1    |
| 28   | 7-126-671 | DIPSTICK ASSEMBLY        | 1    |
| 29   | 7-126-404 | PLUG                     | 2    |
| 30   | 7-126-356 | O-RING                   | 2    |
| 31   | 7-126-405 | SCREW                    | 2    |
| 32   | 7-126-406 | SCREW                    | 1    |
| 33   | 7-126-407 | WASHER                   | 1    |
| 34   | 7-126-408 | SCREW                    | 1    |
| 35   | 7-126-407 | WASHER                   | 1    |
| 36   | 7-126-409 | WASHER                   | 1    |
| 37   | 7-126-410 | NUT                      | 1    |



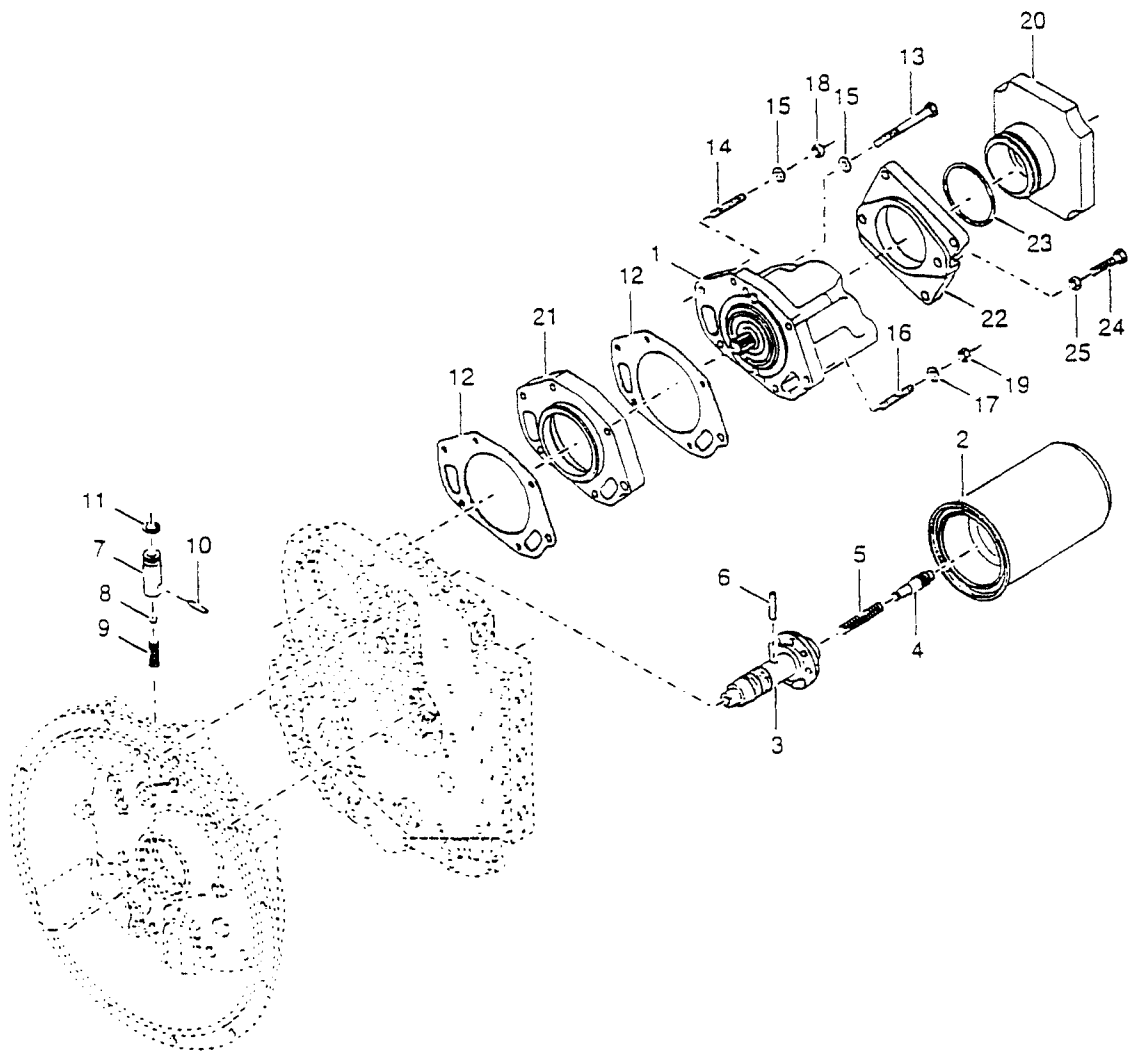
| ITEM | NUMBER    | DESCRIPTION                           | REQD |
|------|-----------|---------------------------------------|------|
| 1    | 7-126-411 | STATOR SUPPORT ASSY (INCL. ITEMS 2-3) | 1    |
| 2    | 7-126-412 | BUSHING                               | 1    |
| 3    | 7-126-413 | BEARING                               | 1    |
| 4    | 7-126-414 | STATOR SUPPORT PISTON RING            | 1    |
| 5    | 7-126-415 | EXPANDER                              | 1    |
| 6    | 7-126-416 | SNAP RING                             | 2    |
| 7    | 7-126-360 | SEAL                                  | 1    |
| 8    | 7-126-518 | TORQUE CONVERTER ASSEMBLY             | 1    |
| 9    | 7-126-234 | TORQUE CONVERTER PLUG                 | 1    |
| 10   | 7-126-233 | O-RING                                | 1    |
| 11   | 7-126-277 | SNAP RING                             | 1    |
| 12   | 7-126-417 | IMPELLER HUB GEAR                     | 1    |
| 13   | 7-126-418 | SNAP RING                             | 2    |
| 14   | 7-126-419 | WASHER                                | 1    |
| 15   | 7-126-420 | BEARING                               | 1    |
| 16   | 7-126-421 | OIL DISTRIBUTOR RING                  | 1    |



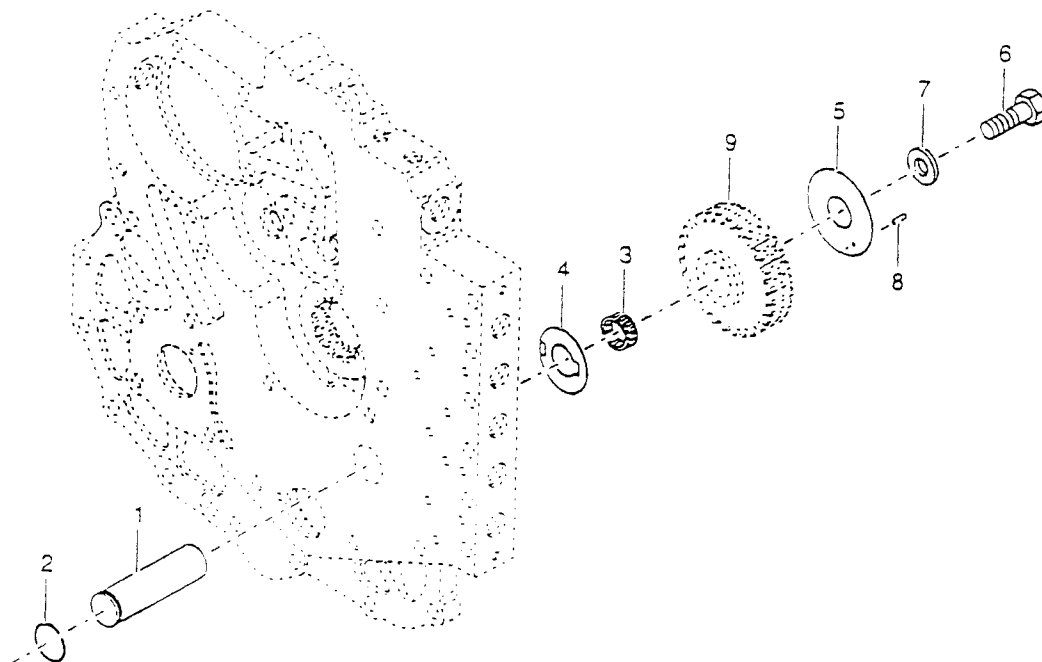
| ITEM | NUMBER    | DESCRIPTION                                | REQD |
|------|-----------|--------------------------------------------|------|
| 1    | 7-126-422 | REV CL. GEAR & BRNG ASSY (INCL. ITEMS 2-3) | 1    |
| 2    | 7-126-423 | BEARING                                    | 2    |
| 3    | 7-126-424 | SPACER                                     | 1    |
| 4    | 7-126-425 | FWD CL. GEAR & BRNG ASSY (INCL. ITEMS 5-6) | 1    |
| 5    | 7-126-423 | BEARING                                    | 2    |
| 6    | 7-126-424 | SPACER                                     | 1    |
| 7    | 7-126-428 | 3rd CL. GEAR & BRNG ASSY (INCL. ITEM 8)    | 1    |
| 8    | 7-126-429 | BEARING                                    | 2    |
| 9    | 7-126-430 | 1st CL. GEAR & BRNG ASSY (INCL. ITEM 10)   | 1    |
| 10   | 7-126-423 | BEARING                                    | 2    |
| 11   | 7-126-432 | 2nd CL. GEAR & BRNG ASSY (INCL. ITEM 12)   | 1    |
| 12   | 7-126-423 | BEARING                                    | 2    |
| 13   | 7-126-427 | 3rd DRIVEN GEAR                            | 1    |
| 14   | 7-126-426 | OUTPUT SHAFT GEAR                          | 1    |
| 15   | 7-126-431 | REVERSE IDLER GEAR                         | 1    |
| 16   | 7-126-433 | FIRST DRIVEN GEAR                          | 1    |



| ITEM | NUMBER    | DESCRIPTION                                | REQD |
|------|-----------|--------------------------------------------|------|
| 1    | 7-126-434 | PUMP DRIVE IDLER GEAR                      | 1    |
| 2    | 7-126-435 | BEARING                                    | 1    |
| 3    | 7-126-436 | PUMP DRIVE GEAR                            | 1    |
| 4    | 7-126-437 | PUMP DRIVE IDLER THRUST WASHER             | 2    |
| 5    | 7-126-438 | PUMP DRIVE SHAFT & PIN ASSY (INCL. ITEM 6) | 1    |
| 6    | 7-126-439 | ROLL PIN                                   | 1    |
| 7    | 7-126-440 | PUMP DRIVE GEAR BEARING                    | 1    |
| 8    | 7-126-441 | PUMP DRIVE GEAR BEARING                    | 1    |

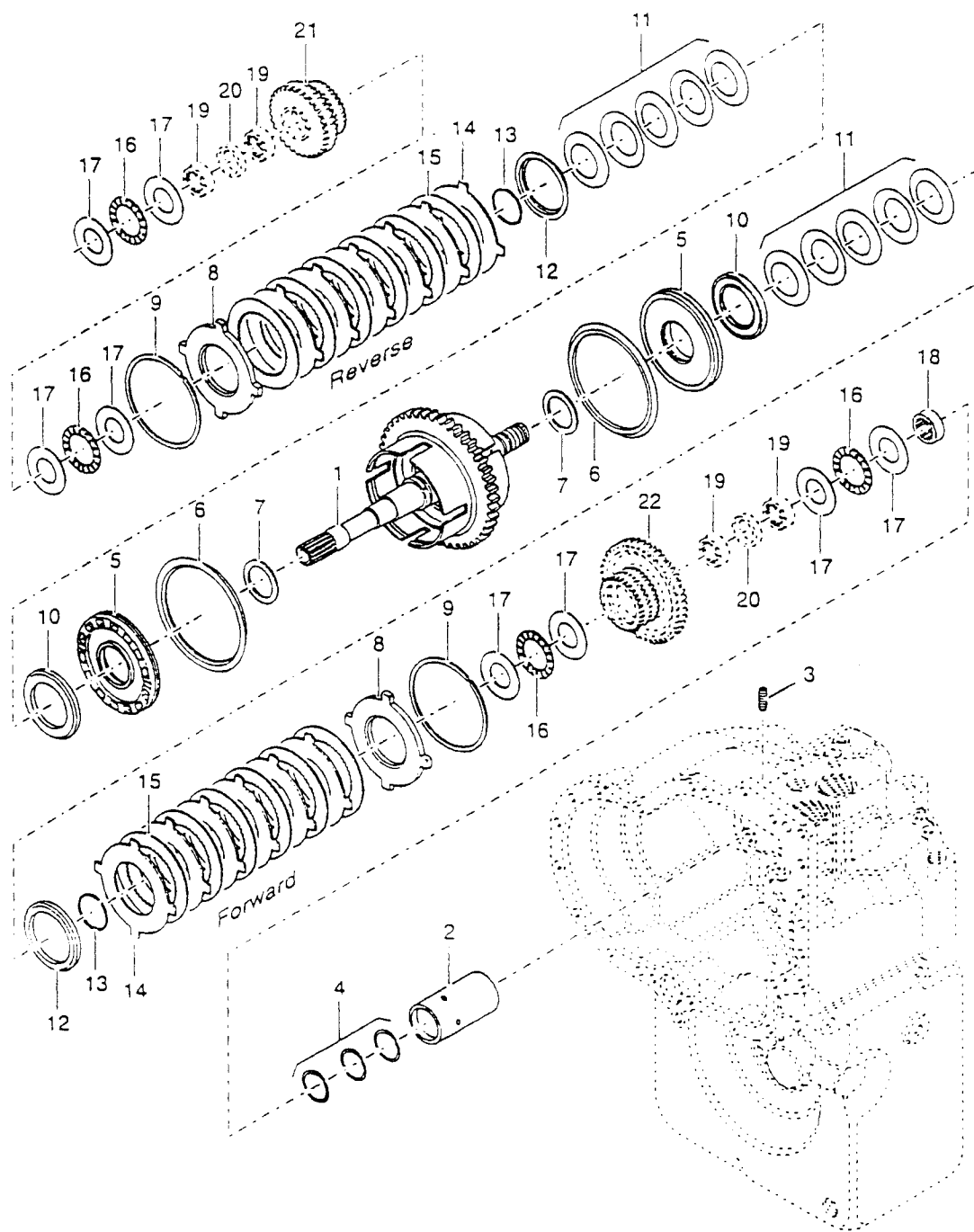


| ITEM | NUMBER    | DESCRIPTION                              | REQD |
|------|-----------|------------------------------------------|------|
| 1    | 7-126-350 | CHARGING PUMP ASSEMBLY                   | 1    |
| 2    | 7-126-349 | HYDRAULIC SPIN FILTER ASSEMBLY           | 1    |
| 3    | 7-126-442 | REGULATOR VALVE SLEEVE                   | 1    |
| 4    | 7-126-443 | REGULATOR VALVE PISTON                   | 1    |
| 5    | 7-126-444 | REGULATOR VALVE SPRING                   | 1    |
| 6    | 7-126-445 | PIN                                      | 1    |
| 7    | 7-126-446 | BALL CHECK VALVE ASSY (INCL. ITEMS 7-11) | 1    |
| 8    | 7-126-447 | BALL                                     | 1    |
| 9    | 7-126-448 | CHECK VALVE SPRING                       | 1    |
| 10   | 7-126-449 | CHECK VALVE PIN                          | 1    |
| 11   | 7-126-361 | O-RING                                   | 1    |
| 12   | 7-126-362 | CHARGING PUMP GASKET                     | 2    |
| 13   | 7-126-450 | PUMP MOUNTING SCREW                      | 4    |
| 14   | 7-126-451 | PUMP MOUNTING STUD                       | 1    |
| 15   | 7-126-452 | LOCKWASHER                               | 5    |
| 16   | 7-126-453 | PUMP MOUNTING STUD                       | 1    |
| 17   | 7-126-391 | LOCKWASHER                               | 1    |
| 18   | 7-126-454 | NUT                                      | 1    |
| 19   | 7-126-410 | NUT                                      | 1    |
| 20   | 7-126-522 | PUMP DRIVE ADAPTOR                       | 1    |
| 21   | 7-126-455 | PUMP ADAPTOR                             | 1    |
| 22   | 7-126-521 | SPACER PLATE                             | 1    |
| 23   | 7-126-520 | O-RING                                   | 1    |
| 24   | 7-126-519 | SCREW                                    | 2    |
| 25   | 7-126-215 | LOCKWASHER                               | 2    |
| 26   | 7-126-456 | REGULATOR VALVE ASSY (INCL. ITEMS 3-6)   | 1    |

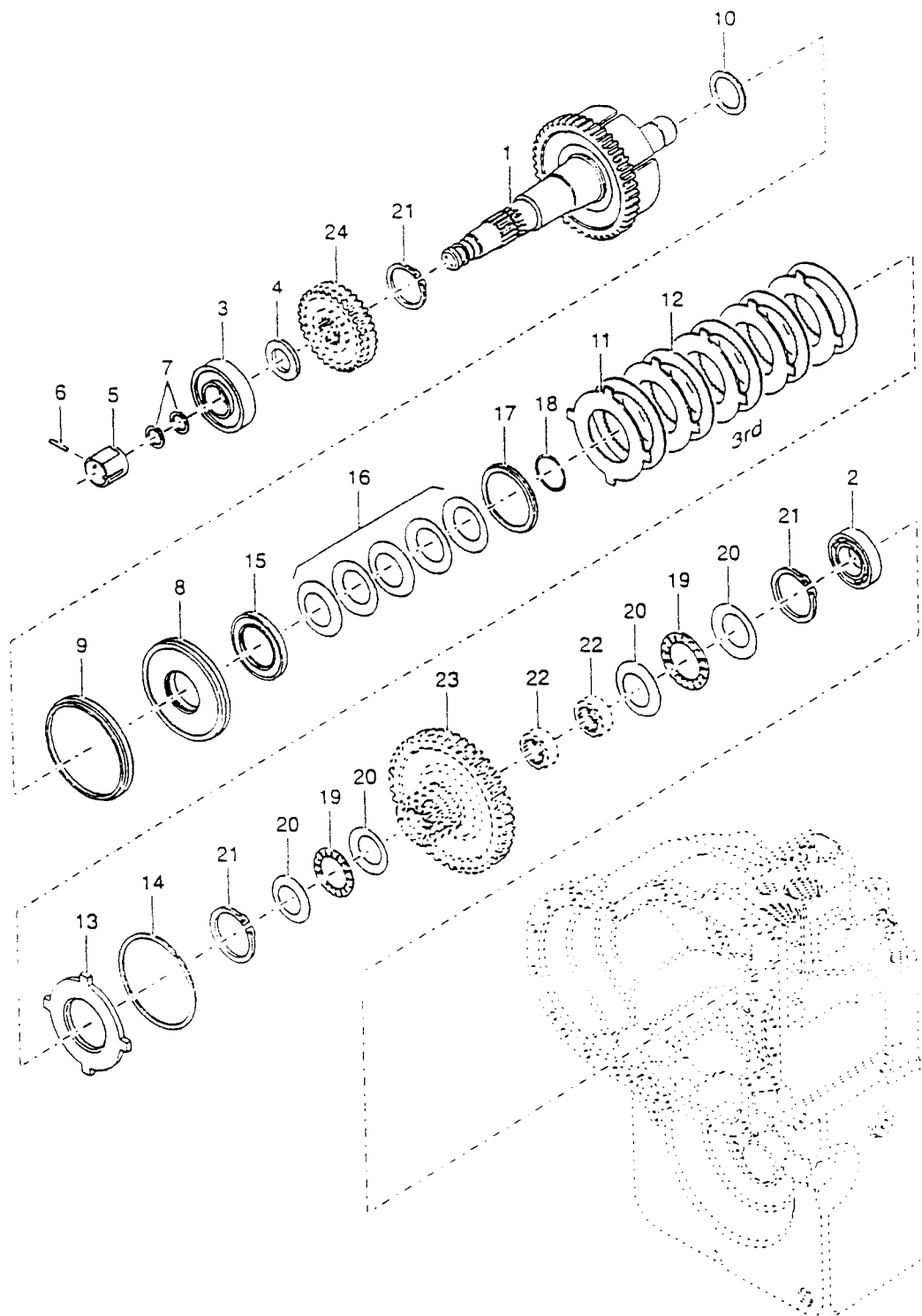


| ITEM | NUMBER    | DESCRIPTION                | REQD |
|------|-----------|----------------------------|------|
| 1    | 7-126-457 | IDLER & PILOT SHAFT        | 1    |
| 2    | 7-126-458 | IDLER SHAFT SNAP RING      | 1    |
| 3    | 7-126-459 | REVERSE IDLER GEAR BEARING | 1    |
| 4    | 7-126-460 | THRUST WASHER              | 1    |
| 5    | 7-126-461 | END PLATE                  | 1    |
| 6    | 7-126-462 | CAPSCREW                   | 1    |
| 7    | 7-126-463 | WASHER                     | 1    |
| 8    | 7-126-464 | ROLL PIN                   | 1    |
| 9    | 7-126-431 | REVERSE IDLER GEAR         | 1    |

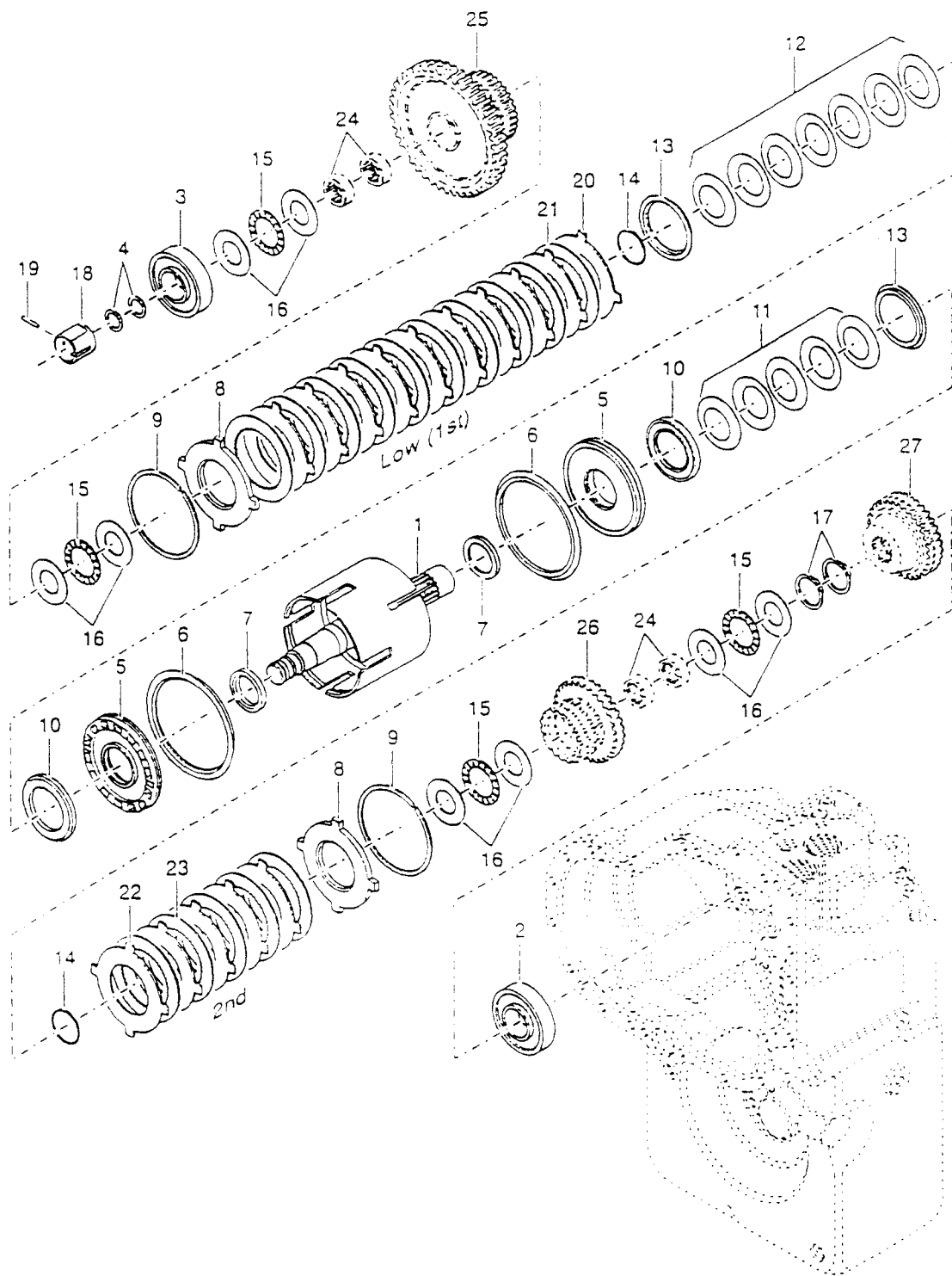
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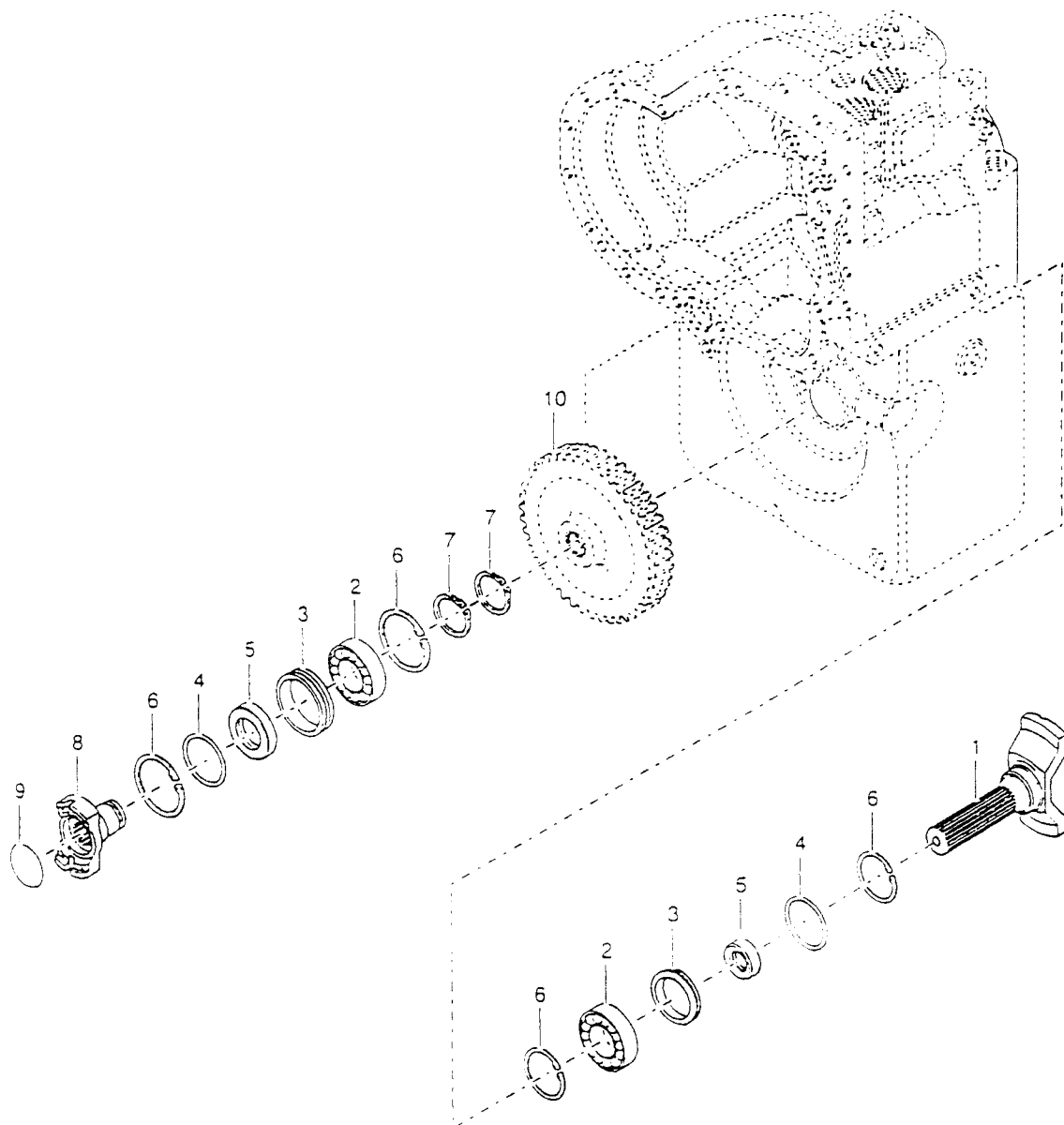
| ITEM | NUMBER    | DESCRIPTION                           | REQD |
|------|-----------|---------------------------------------|------|
| 1    | 7-126-465 | TURBINE SHAFT DRUM & PLUG ASSY        | 1    |
| 2    | 7-126-466 | OIL DISTRIBUTOR SLEEVE                | 1    |
| 3    | 7-126-467 | RETAINER SCREW                        | 1    |
| 4    | 7-126-468 | PISTON RING                           | 3    |
| 5    | 7-126-469 | PISTON & SEALS ASSY (INCL. ITEMS 6-7) | 2    |
| 6    | 7-126-470 | OUTER CLUTCH PISTON SEAL              | 2    |
| 7    | 7-126-471 | INNER CLUTCH PISTON SEAL              | 2    |
| 8    | 7-126-472 | END PLATE                             | 2    |
| 9    | 7-126-473 | SNAP RING                             | 2    |
| 10   | 7-126-474 | CLUTCH PISTON WEAR PLATE              | 2    |
| 11   | 7-126-475 | DISC SPRING ASSEMBLY                  | 2    |
| 12   | 7-126-476 | SNAP RING RETAINER                    | 2    |
| 13   | 7-126-477 | SNAP RING                             | 2    |
| 14   | 7-126-478 | OUTER DISC (6 FORWARD / 6 REVERSE)    | 12   |
| 15   | 7-126-479 | INNER DISC (6 FORWARD / 6 REVERSE)    | 12   |
| 16   | 7-126-480 | CLUTCH GEAR THRUST BEARING            | 4    |
| 17   | 7-126-481 | WASHER                                | 8    |
| 18   | 7-126-482 | REAR TURBINE SHAFT BEARING            | 1    |
| 19   |           | CL. GEAR BRNG (SEE GEAR GROUP)        | 4    |
| 20   |           | CL. GEAR BRNG SPACER (SEE GEAR GROUP) | 2    |
| 21   |           | REV CLUTCH GEAR (SEE GEAR GROUP)      | 1    |
| 22   |           | FWD CLUTCH GEAR (SEE GEAR GROUP)      | 1    |



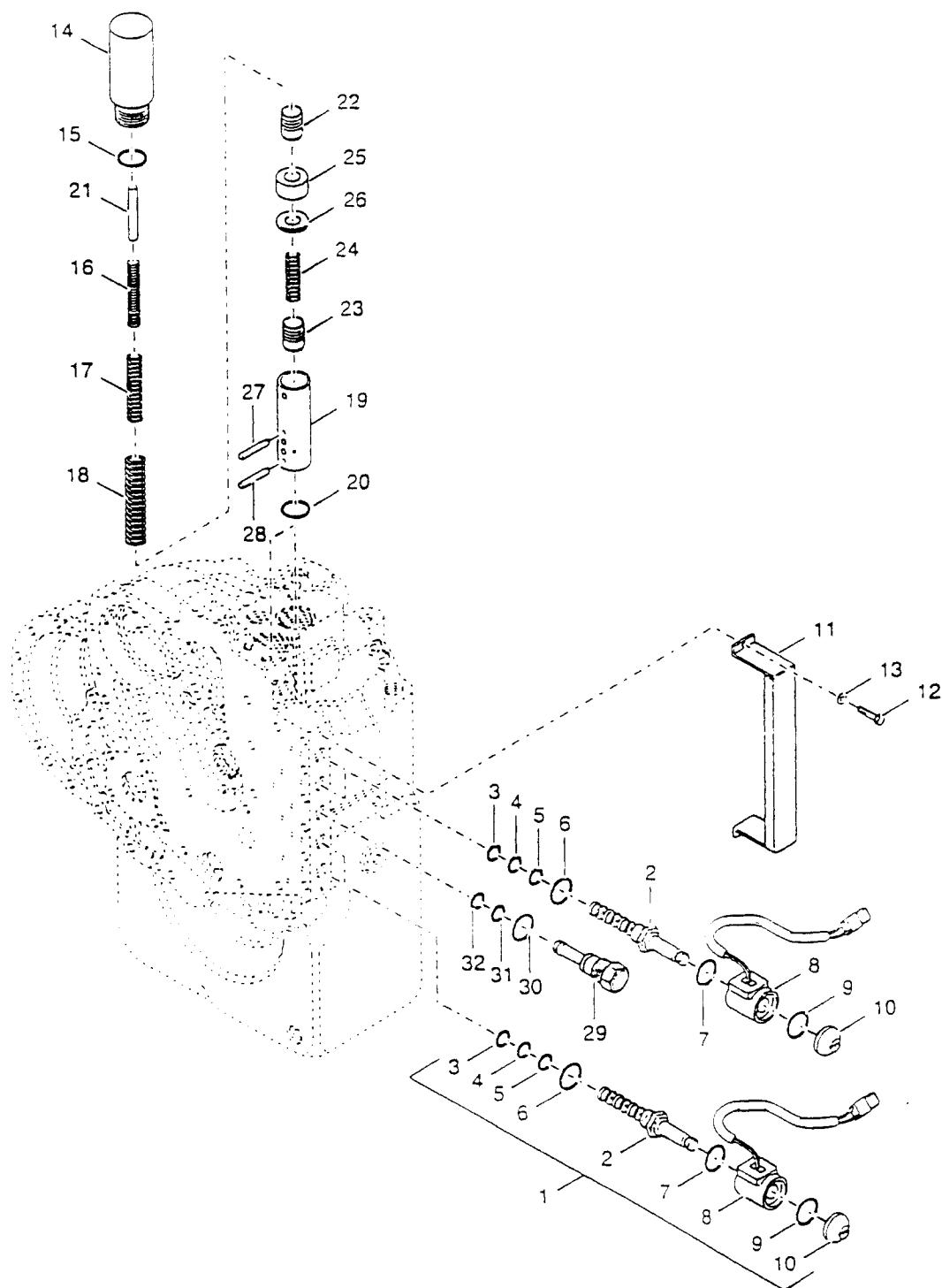
| ITEM | NUMBER    | DESCRIPTION                               | REQD |
|------|-----------|-------------------------------------------|------|
| 1    | 7-126-483 | 3rd SHAFT, DRUM, & PLUG ASSY              | 1    |
| 2    | 7-126-484 | ROLLER BEARING                            | 1    |
| 3    | 7-126-485 | BEARING & SEAL ASSY                       | 1    |
| 4    | 7-126-486 | BEARING SUPPORT WASHER                    | 1    |
| 5    | 7-126-487 | OIL DISTRIBUTOR SLEEVE                    | 1    |
| 6    | 7-126-488 | SCREW                                     | 1    |
| 7    | 7-126-468 | PISTON RING                               | 2    |
| 8    | 7-126-489 | PISTON & SEALS ASSY (INCLUDES ITEMS 9-10) | 1    |
| 9    | 7-126-470 | OUTER CLUTCH PISTON SEAL                  | 1    |
| 10   | 7-126-471 | INNER CLUTCH PISTON SEAL                  | 1    |
| 11   | 7-126-478 | OUTER DISC                                | 5    |
| 12   | 7-126-479 | INNER DISC                                | 5    |
| 13   | 7-126-472 | END PLATE                                 | 1    |
| 14   | 7-126-473 | SNAP RING                                 | 1    |
| 15   | 7-126-474 | CLUTCH PISTON WEAR PLATE                  | 1    |
| 16   | 7-126-475 | DISC SPRING ASSY (INCL. 5 WASHERS)        | 1    |
| 17   | 7-126-476 | SNAP RING RETAINER                        | 1    |
| 18   | 7-126-477 | SNAP RING                                 | 1    |
| 19   | 7-126-490 | NEEDLE ROLLER THRUST BEARING              | 2    |
| 20   | 7-126-491 | THRUST WASHER                             | 4    |
| 21   | 7-126-492 | SNAP RING                                 | 3    |
| 22   | 7-126-429 | 3rd CLUTCH GEAR BEARING (SEE GEAR GROUP)  | 2    |
| 23   |           | 3rd CLUTCH GEAR (SEE GEAR GROUP)          | 1    |
| 24   |           | FIRST DRIVE GEAR (SEE GEAR GROUP)         | 1    |



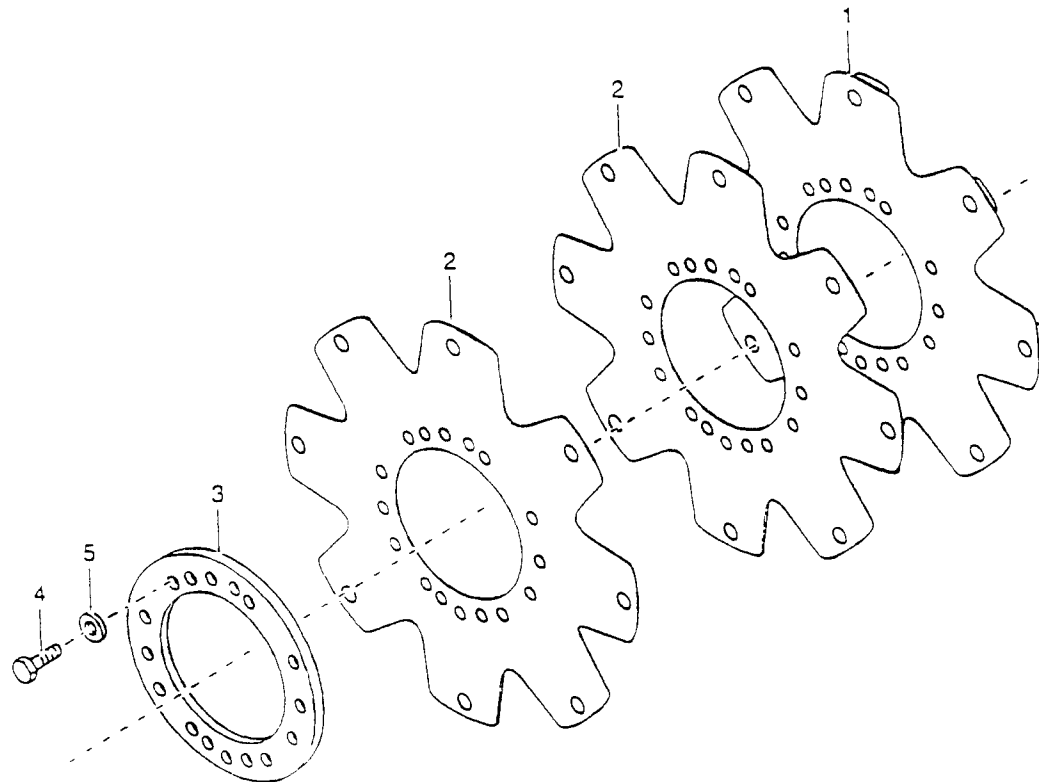
| ITEM | NUMBER    | DESCRIPTION                              | REQD |
|------|-----------|------------------------------------------|------|
| 1    | 7-126-493 | 1st & 2nd SHAFT, DRUM, PLUG, & SEAT ASSY | 1    |
| 2    | 7-126-494 | ROLLER BEARING                           | 1    |
| 3    | 7-126-485 | BEARING & SEAL ASSY                      | 1    |
| 4    | 7-126-468 | PISTON RING                              | 2    |
| 5    | 7-126-495 | PISTON & SEALS ASSY (INCL. ITEMS 6 & 7)  | 2    |
| 6    | 7-126-470 | OUTER CLUTCH PISTON SEAL                 | 2    |
| 7    | 7-126-471 | INNER CLUTCH PISTON SEAL                 | 2    |
| 8    | 7-126-472 | END PLATE                                | 2    |
| 9    | 7-126-473 | SNAP RING                                | 2    |
| 10   | 7-126-474 | CLUTCH PISTON WEAR PLATE                 | 2    |
| 11   | 7-126-475 | 2nd DISC SPRING ASSY (INCL. 5 WASHERS)   | 1    |
| 12   | 7-126-496 | 1st DISC SPRING ASSY (INCL. 7 WASHERS)   | 1    |
| 13   | 7-126-476 | SNAP RING RETAINER                       | 2    |
| 14   | 7-126-477 | SNAP RING                                | 2    |
| 15   | 7-126-480 | CLUTCH GEAR THRUST BEARING               | 4    |
| 16   | 7-126-481 | CLUTCH GEAR THRUST WASHER                | 8    |
| 17   | 7-126-497 | SNAP RING                                | 2    |
| 18   | 7-126-498 | OIL DISTRIBUTOR SLEEVE                   | 1    |
| 19   | 7-126-499 | SLEEVE RETAINING SCREW                   | 1    |
| 20   | 7-126-478 | OUTER DISC (1st)                         | 10   |
| 21   | 7-126-479 | INNER DISC (1st)                         | 10   |
| 22   | 7-126-478 | OUTER DISC (2nd)                         | 5    |
| 23   | 7-126-479 | INNER DISC (2nd)                         | 5    |
| 24   | 7-126-423 | CLUTCH GEAR BEARING (SEE GEAR GROUP)     | 4    |
| 25   |           | 1st CLUTCH GEAR (SEE GEAR GROUP)         | 1    |
| 26   |           | 2nd CLUTCH GEAR (SEE GEAR GROUP)         | 1    |
| 27   |           | 3rd DRIVEN GEAR (SEE GEAR GROUP)         | 1    |



| ITEM | NUMBER    | DESCRIPTION                              | REQD |
|------|-----------|------------------------------------------|------|
| 1    | 7-126-500 | OUTPUT SHAFT                             | 1    |
| 2    | 7-126-307 | OUTPUT SHAFT BEARING                     | 2    |
| 3    | 7-126-368 | OIL SEAL SLEEVE                          | 2    |
| 4    | 7-126-366 | O-RING                                   | 2    |
| 5    | 7-126-367 | OUTPUT SHAFT OIL SEAL                    | 2    |
| 6    | 7-126-365 | SNAP RING                                | 4    |
| 7    | 7-126-369 | SNAP RING                                | 2    |
| 8    | 7-126-364 | OUTPUT FLANGE & PLUG ASSY (INCL. ITEM 9) | 1    |
| 9    | 7-126-363 | FLANGE PLUG                              | 1    |
| 10   | 7-126-426 | OUTPUT SHAFT GEAR (SEE GEAR GROUP)       | 1    |

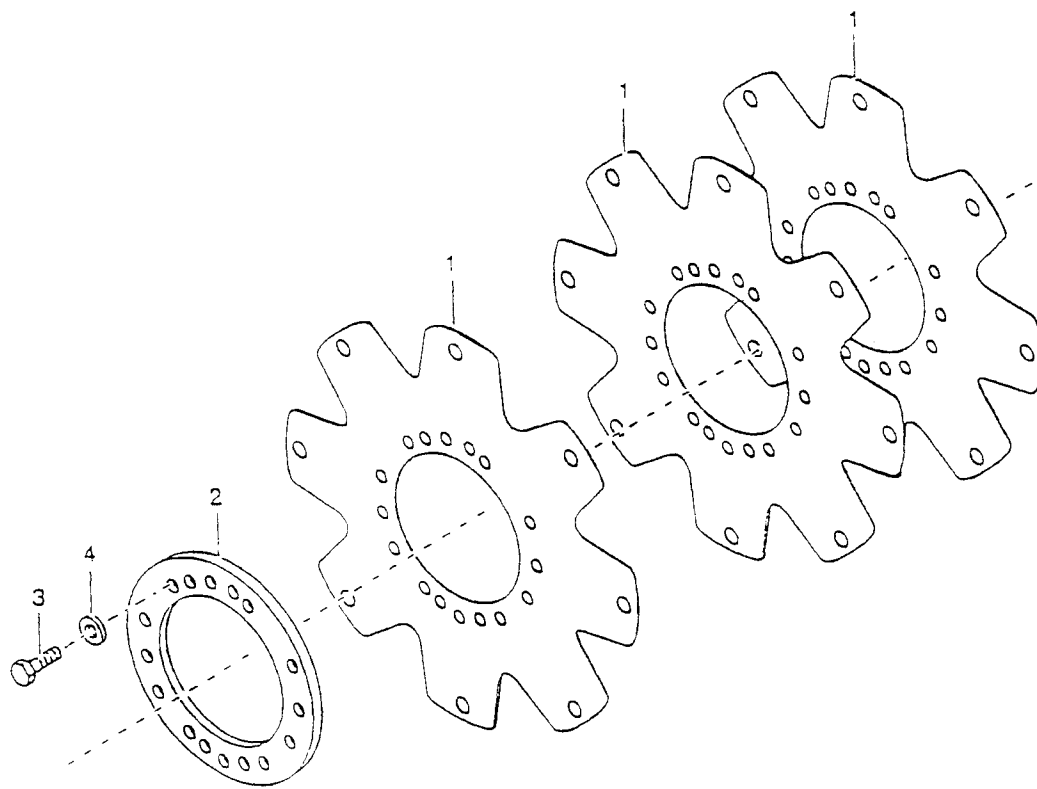


| ITEM | NUMBER    | DESCRIPTION                             | REQD |
|------|-----------|-----------------------------------------|------|
| 1    | 7-126-382 | SOLENOID ASSEMBLY (INCLUDES ITEMS 2-10) | 4    |
| 2    | 7-126-380 | 4-WAY VALVE CARTRIDGE (INCL. ITEMS 3-6) | 4    |
| 3    | 7-126-376 | O-RING                                  | 4    |
| 4    | 7-126-377 | O-RING                                  | 4    |
| 5    | 7-126-378 | O-RING                                  | 4    |
| 6    | 7-126-379 | O-RING                                  | 4    |
| 7    | 7-126-374 | O-RING                                  | 4    |
| 8    | 7-126-375 | SOLENOID COIL (12V)                     | 4    |
| 9    | 7-126-374 | O-RING                                  | 4    |
| 10   | 7-126-373 | NUT                                     | 4    |
| 11   | 7-126-501 | PROTECTIVE COVER                        | 1    |
| 12   | 7-126-502 | SCREW                                   | 2    |
| 13   | 7-126-503 | LOCKWASHER                              | 2    |
| 14   | 7-126-504 | MODULATOR VALVE HOUSING                 | 2    |
| 15   | 7-126-371 | O-RING                                  | 2    |
| 16   | 7-126-505 | INNER SPRING                            | 2    |
| 17   | 7-126-506 | MIDDLE SPRING                           | 2    |
| 18   | 7-126-507 | OUTER SPRING                            | 2    |
| 19   | 7-126-508 | MODULATION VALVE SLEEVE                 | 2    |
| 20   | 7-126-372 | O-RING                                  | 2    |
| 21   | 7-126-63  | PIN                                     | 2    |
| 22   | 7-126-509 | ACCUMULATOR SPOOL                       | 2    |
| 23   | 7-126-510 | REGULATOR SPOOL                         | 2    |
| 24   | 7-126-511 | MODULATOR VALVE SPOOL                   | 2    |
| 25   | 7-126-512 | SPRING RETAINER                         | 2    |
| 26   | 7-126-513 | SPRING SPACER                           | 2    |
| 27   | 7-126-514 | UPPER PIN                               | 2    |
| 28   | 7-126-515 | LOWER PIN                               | 2    |
| 29   | 7-126-381 | SOLENOID BORE PLUG                      | 1    |
| 30   | 7-126-379 | O-RING                                  | 1    |
| 31   | 7-126-378 | O-RING                                  | 1    |
| 32   | 7-126-376 | O-RING                                  | 1    |



| ITEM | NUMBER    | DESCRIPTION                          | REQD |
|------|-----------|--------------------------------------|------|
| 1    | N.S.S.    | DRIVE PLATE w/ WELD NUTS             | 1    |
| 2    | N.S.S.    | DRIVE PLATE                          | 2    |
| 3    | 7-126-60  | DRIVE PLATE BACKING RING             | 1    |
| 4    | 7-126-516 | SCREW                                | 6    |
| 5    | 7-126-54  | LOCKWASHER                           | 6    |
| 6    | 7-126-383 | DRIVE PLATE KIT (INCLUDES ITEMS 1-5) | 1    |

N.S.S. = NOT SOLD SEPARATELY



| ITEM | NUMBER    | DESCRIPTION                          | REQD |
|------|-----------|--------------------------------------|------|
| 1    | N.S.S.    | DRIVE PLATE                          | 3    |
| 2    | 7-126-60  | DRIVE PLATE BACKING RING             | 1    |
| 3    | 7-126-516 | SCREW                                | 6    |
| 4    | 7-126-54  | LOCKWASHER                           | 6    |
| 5    | 7-126-692 | DRIVE PLATE KIT (INCLUDES ITEMS 1-4) | 1    |

N.S.S. = NOT SOLD SEPARATELY