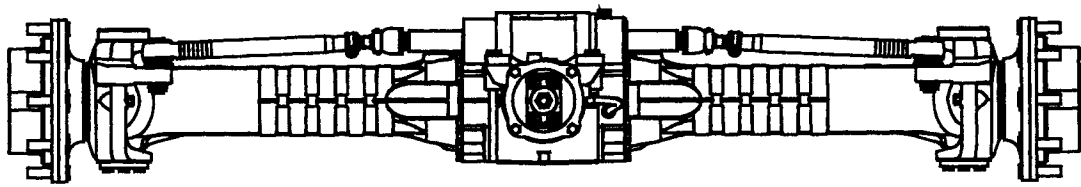


# FRONT AXLE PARTS BOOK TH636C TH644C



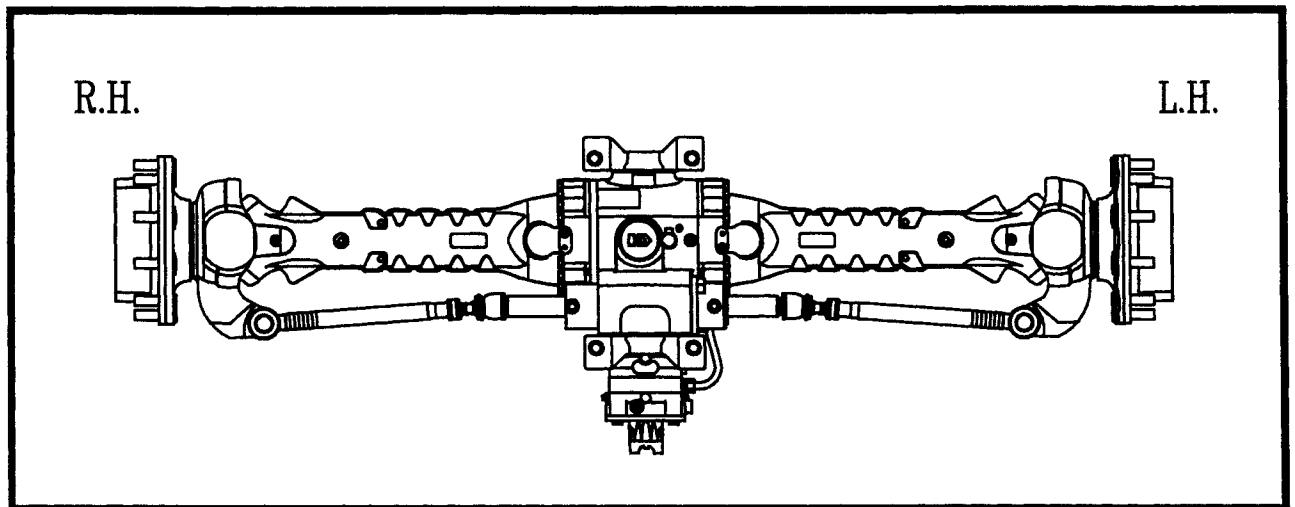
DATE: 3-13-00  
SPICER CLARK-HURTH 212/230 AXLE  
7-229-619 STEERING CYLINDER

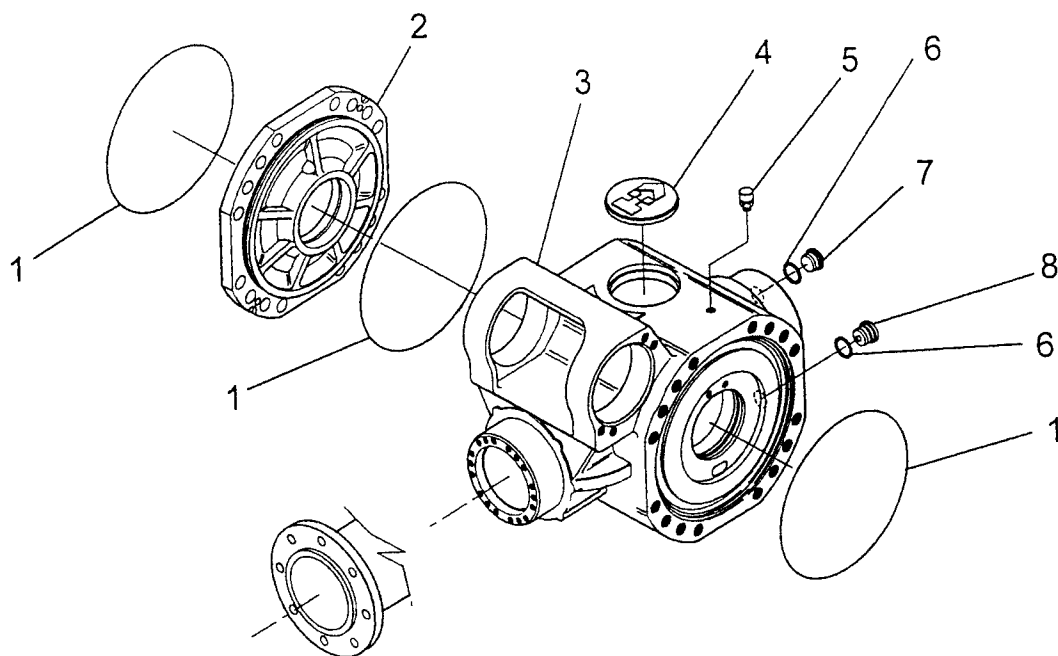
TEREX HANDLERS  
455 N. Superior Ave., Baraga, MI 49908-0248  
PH: (906) 353-6675; FAX: (906) 353-7543  
INTERNET: <http://www.sqshooter.com>



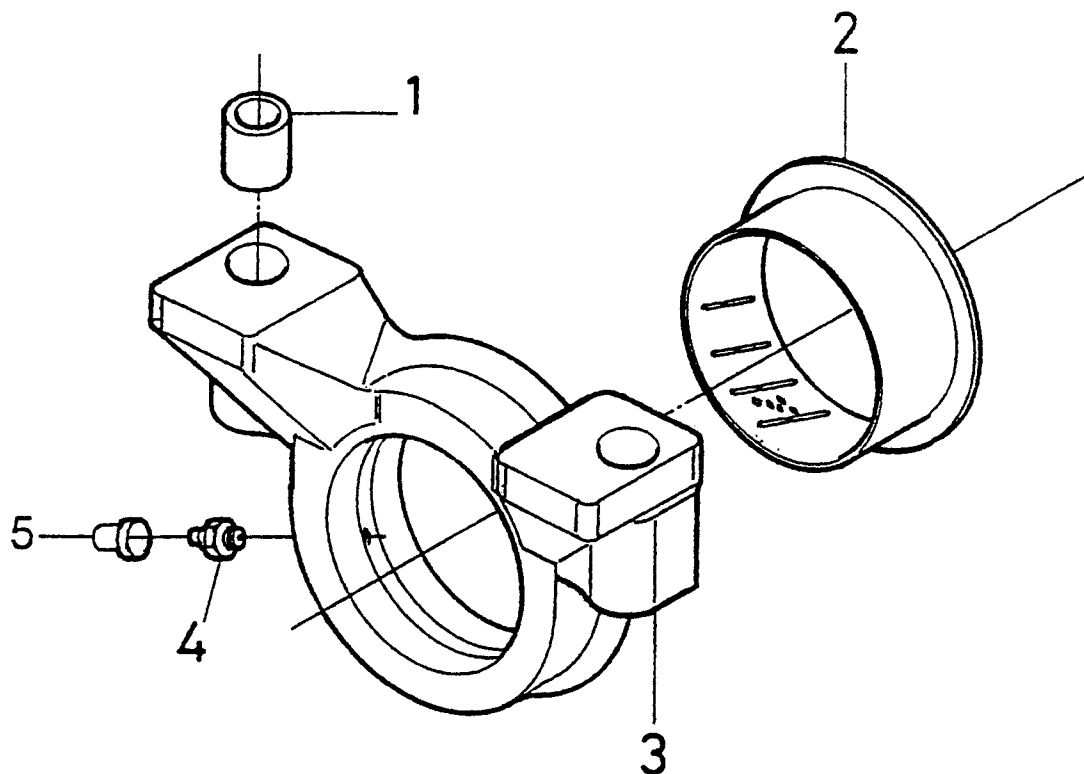
# AXLE PARTS ORDERING GUIDE

WHEN ORDERING FROM THIS BOOK USE THE  
FIGURE BELOW AS A REFERENCE IN DETERMINING  
LEFT OR RIGHT HAND SIDE

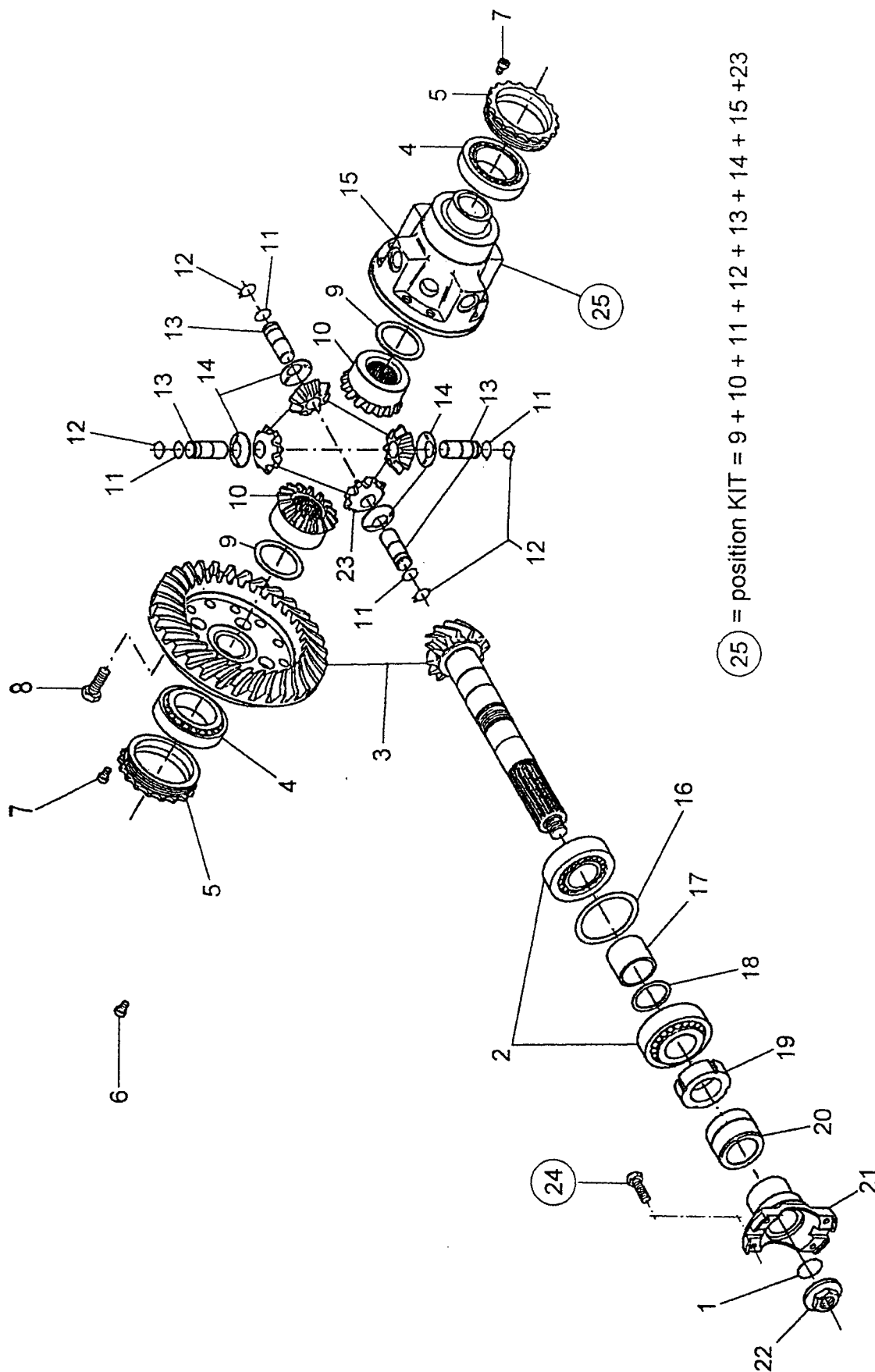




| ITEM | NUMBER    | DESCRIPTION        | REQD |
|------|-----------|--------------------|------|
| 1    | 7-229-520 | O-RING             | 3    |
| 2    | 7-229-521 | INTERMEDIATE COVER | 1    |
| 3    | 7-229-626 | HOUSING            | 1    |
| 4    | 7-229-523 | COVER              | 1    |
| 5    | 7-229-524 | VENT               | 1    |
| 6    | 7-229-525 | SEAL WASHER        | 2    |
| 7    | 7-229-526 | PLUG               | 1    |
| 8    | 7-229-527 | MAGNETIC PLUG      | 1    |



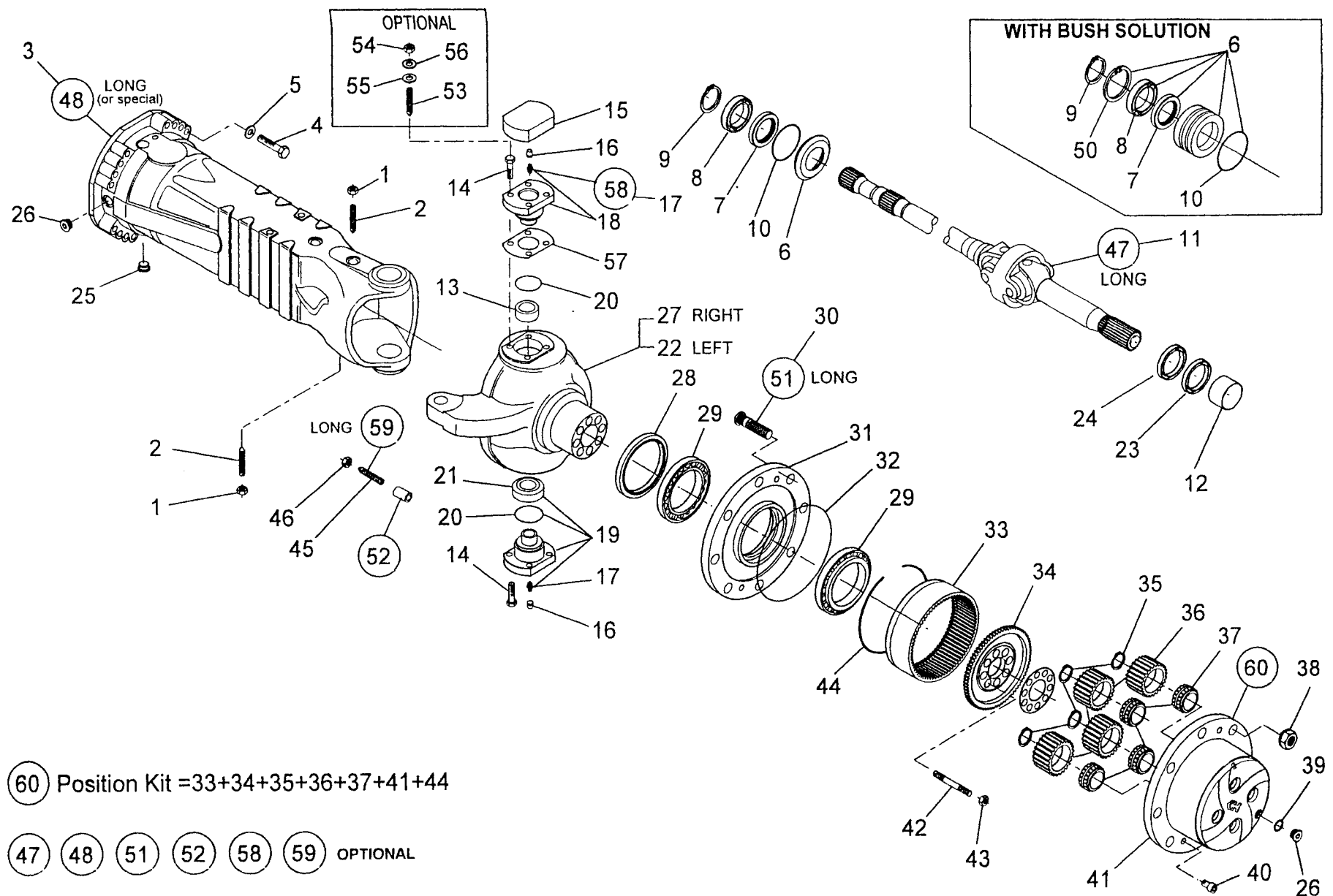
| ITEM | NUMBER    | DESCRIPTION       | REQD |
|------|-----------|-------------------|------|
| 1    | 7-229-620 | REDUCTION BUSHING | 4    |
| 2    | 7-229-621 | THRUST BUSHING    | 2    |
| 3    | 7-229-622 | SUPPORT           | 2    |
| 4    | 7-229-572 | GREASE FITTING    | 2    |
| 5    | 7-229-571 | PLUG              | 2    |



25 = position KIT = 9 + 10 + 11 + 12 + 13 + 14 + 15 + 23

24 OPTIONAL

| ITEM | NUMBER    | DESCRIPTION                             | REQD |
|------|-----------|-----------------------------------------|------|
| 1    | 7-229-528 | O-RING                                  | 1    |
| 2    | 7-229-547 | TAPER ROLLER BEARING                    | 2    |
| 3    | 7-229-676 | BEVEL GEAR SET                          | 1    |
| 4    | 7-229-535 | TAPER ROLLER BEARINGS                   | 2    |
| 5    | 7-229-536 | RING NUT                                | 2    |
| 6    | 7-229-537 | CYLINDER BOLT                           | 4    |
| 7    | 7-229-538 | CYLINDER BOLT                           | 2    |
| 8    | 7-229-691 | BOLT                                    | 12   |
| 9    | 7-229-540 | FRICITION WASHER                        | 2    |
| 10   | 7-229-541 | DIFFERENTIAL SIDE GEAR                  | 2    |
| 11   | 7-229-543 | CIRCLIP                                 | 4    |
| 12   | 7-229-555 | CIRCLIP                                 | 4    |
| 13   | 7-229-542 | PIN                                     | 4    |
| 14   | 7-229-544 | FRICITION WASHER                        | 4    |
| 15   | 7-229-546 | DIFFERENTIAL CARRIER                    | 4    |
| 16   |           | SHIM / SEE ITEMS 26-29 BELOW            |      |
| 17   | 7-229-549 | SPACER                                  | 1    |
| 18   |           | SHIM / SEE ITEMS 30-34 BELOW            |      |
| 19   | 7-229-550 | RING NUT                                | 1    |
| 20   |           |                                         |      |
| 21   | 7-229-553 | FLANGE                                  | 1    |
| 22   | 7-229-554 | NUT                                     | 1    |
| 23   | 7-229-545 | DIFFERENTIAL PINION                     | 1    |
| 24   |           |                                         |      |
| 25   | 7-229-556 | DIFFERENTIAL ASSY (INCL. ITEMS 9-15,23) | 1    |
| 26   | 7-229-548 | SHIM / 0.20mm                           | AR   |
| 27   | 7-229-557 | SHIM / 0.30mm                           | AR   |
| 28   | 7-229-558 | SHIM / 0.15mm                           | AR   |
| 29   | 7-229-559 | SHIM / 0.10mm                           | AR   |
| 30   | 7-229-529 | SHIM / 0.10mm                           | AR   |
| 31   | 7-229-530 | SHIM / 0.15mm                           | AR   |
| 32   | 7-229-531 | SHIM / 0.20mm                           | AR   |
| 33   | 7-229-532 | SHIM / 0.40mm                           | AR   |
| 34   | 7-229-533 | SHIM / 0.50mm                           | AR   |

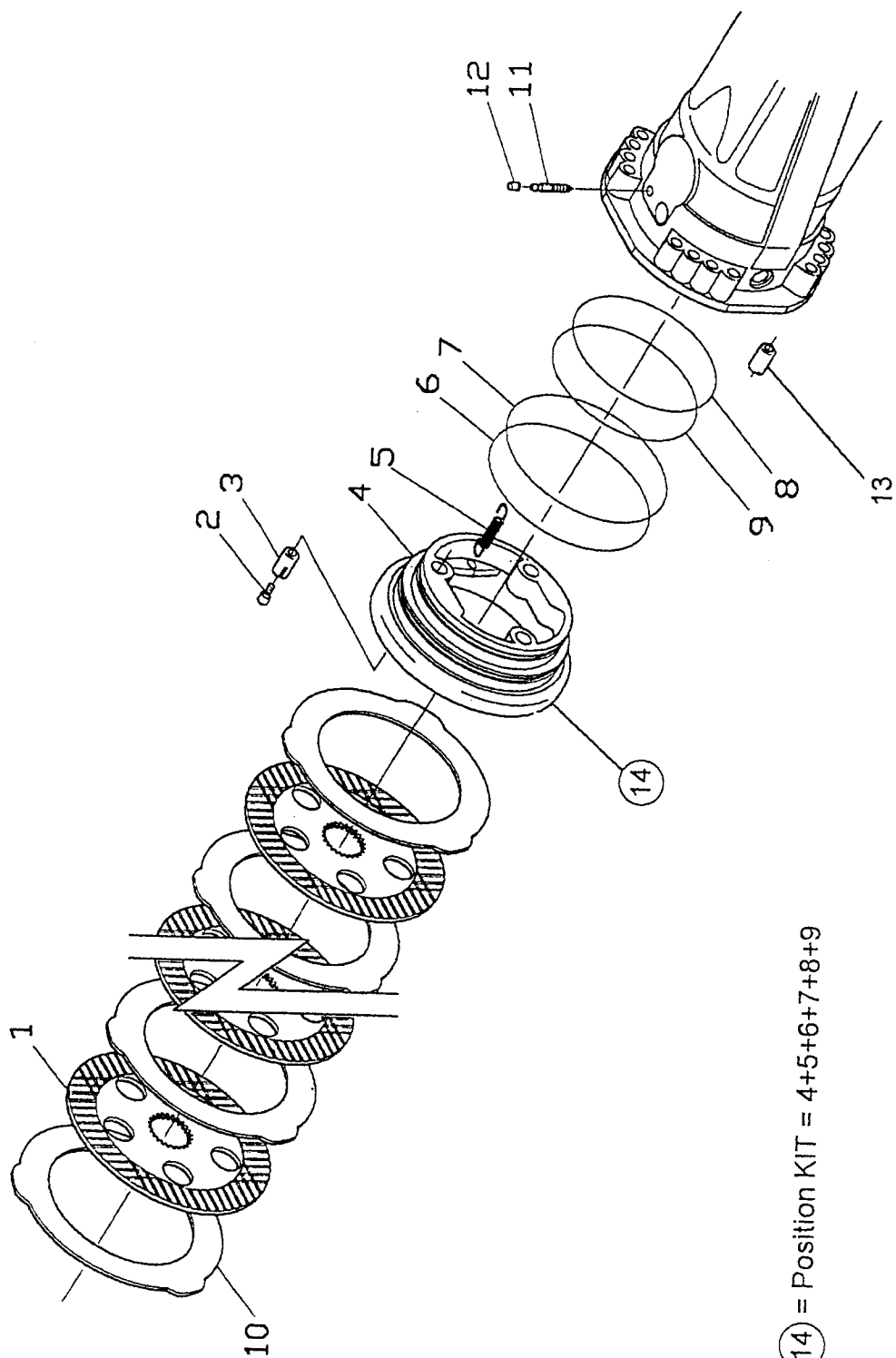


| ITEM | NUMBER    | DESCRIPTION          | REQD |
|------|-----------|----------------------|------|
| 1    | 7-229-623 | NUT                  | 2    |
| 2    | 7-229-624 | STEERING ADJUST BOLT | 2    |
| 3    | 7-229-677 | AXLE CASE            | 2    |
| 4    | 7-229-560 | BOLT                 | 32   |
| 5    | 7-229-561 | WASHER               | 32   |
| 6    | 7-229-562 | REDUCTION BUSHING    | 2    |
| 7    | 7-229-563 | SEAL                 | 2    |
| 8    | 7-229-564 | BALL BEARING         | 2    |
| 9    | 7-229-565 | CIRCLIP              | 2    |
| 10   | 7-229-566 | O-RING               | 2    |
| 11   | 7-229-567 | UNIVERSAL JOINT      | 2    |
| 12   | 7-229-568 | THRUST BUSHING       | 2    |
| 13   | 7-229-569 | OUTER RACE           | 2    |
| 14   | 7-229-539 | BOLT                 | 20   |
| 15   | 7-229-570 | COVER                | 2    |
| 16   | 7-229-571 | PLUG                 | 4    |
| 17   | 7-229-572 | GREASE FITTING       | 2    |
| 18   | 7-229-573 | PIVOT PIN            | 2    |
| 19   | 7-229-574 | PIVOT PIN            | 2    |
| 20   | 7-229-575 | SEAL                 | 2    |
| 21   | 7-229-576 | ARTICULATION         | 2    |
| 22   | 7-229-678 | STEERING CASE / LH   | 1    |
| 23   | 7-229-578 | SEAL                 | 2    |
| 24   | 7-229-579 | DUST EXCLUDER        | 2    |
| 25   | 7-229-580 | MAGNET PLUG          | 2    |
| 26   | 7-229-526 | PLUG                 | 3    |
| 27   | 7-229-679 | STEERING CASE / RH   | 1    |
| 28   | 7-229-582 | SEAL                 | 2    |
| 29   | 7-229-583 | BEARING              | 20   |
| 30   | 7-229-692 | WHEEL STUD           | 20   |
| 31   | 7-229-680 | WHEEL HUB            | 2    |
| 32   | 7-229-586 | O-RING               | 2    |
| 33   | 7-229-587 | RING GEAR            | 2    |
| 34   | 7-229-588 | RING GEAR SUPPORT    | 2    |
| 35   | 7-229-589 | CIRCLIP              | 8    |
| 36   | 7-229-590 | PLANET GEAR          | 8    |
| 37   | 7-229-591 | BEARING              | 8    |
| 38   | 7-229-592 | WHEEL NUT            | 20   |
| 39   | 7-229-525 | SEAL WASHER          | 5    |
| 40   | 7-229-681 | COUNTERSUNK BOLT     | 4    |
| 41   | 7-229-682 | PLANET GEAR CARRIER  | 2    |
| 42   | 7-229-595 | STUD                 | 16   |
| 43   | 7-229-596 | NUT                  | 16   |
| 44   | 7-229-597 | CIRCLIP              | 2    |
| 45   | 7-229-598 | ADJUSTING BOLT       | 2    |
| 46   | 7-229-599 | NUT                  | 2    |
| 47   |           |                      |      |
| 48   |           |                      |      |
| 49   | 7-229-600 | LOCKING PLATE        | 2    |
| 50   | 7-229-601 | CIRCLIP              | 2    |

| ITEM | NUMBER    | DESCRIPTION                                 | REQD |
|------|-----------|---------------------------------------------|------|
| 51   |           |                                             |      |
| 52   |           |                                             |      |
| 53   |           |                                             |      |
| 54   |           |                                             |      |
| 55   |           |                                             |      |
| 56   |           |                                             |      |
| 57   |           | SHIM / SEE ITEMS 61-63 BELOW                |      |
| 58   |           |                                             |      |
| 59   |           |                                             |      |
| 60   | 7-229-683 | PLANET GEAR CARRIER ASSY(ITEMS 33-37,41,44) | 2    |
| 61   | 7-229-602 | SHIM / 0.15mm                               | AR   |
| 62   | 7-229-603 | SHIM / 0.20mm                               | AR   |
| 63   | 7-229-604 | SHIM / 0.50mm                               | AR   |

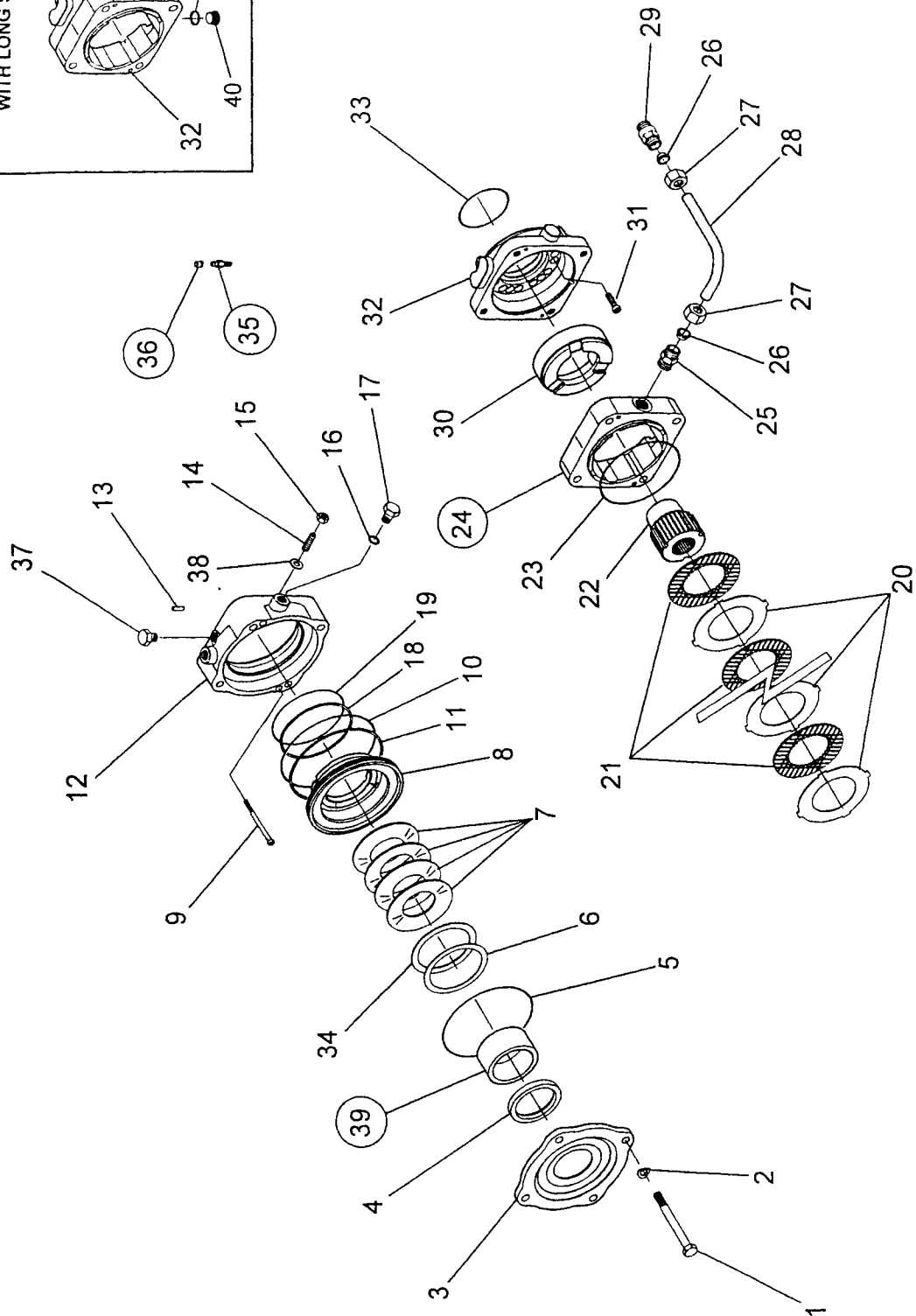
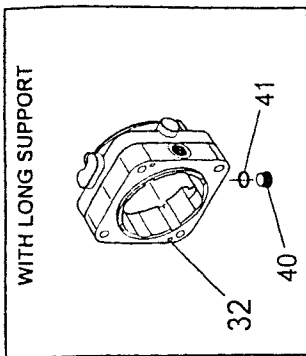
|    |                |                                                        |                   |         |
|----|----------------|--------------------------------------------------------|-------------------|---------|
| 4B | PAGE<br>NUMBER | STEERING AXLE ASSEMBLY<br>SS-636C & SS-644C FRONT AXLE | DRAWING<br>NUMBER | P1-1297 |
|----|----------------|--------------------------------------------------------|-------------------|---------|

## This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



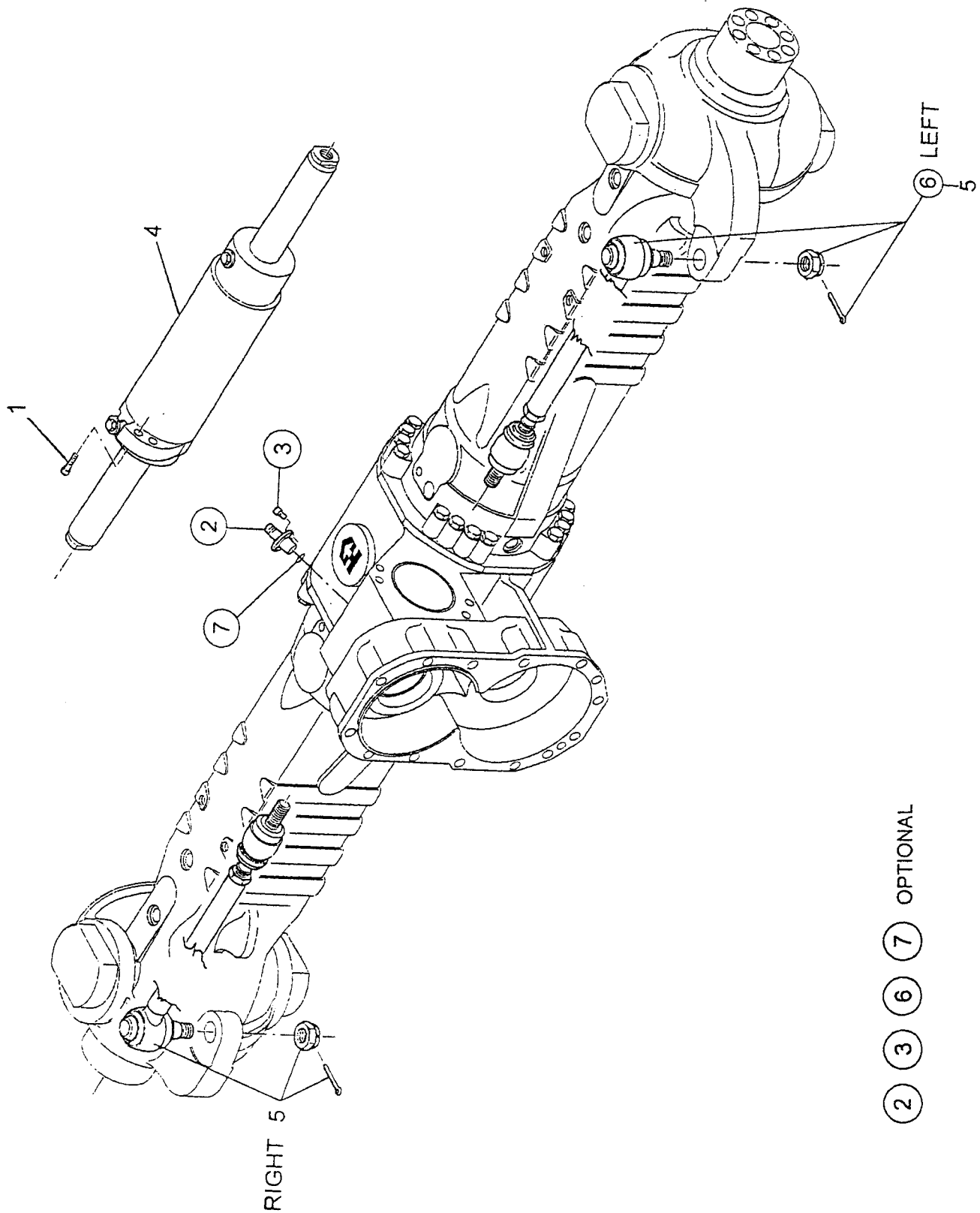
⑭ = Position KIT = 4+5+6+7+8+9

| ITEM | NUMBER    | DESCRIPTION             | REQD |
|------|-----------|-------------------------|------|
| 1    | 7-229-605 | BRAKE DISC              | 6    |
| 2    | 7-229-606 | ADJUSTING BOLT          | 6    |
| 3    | 7-229-607 | SPRING                  | 6    |
| 4    | 7-229-608 | PISTON                  | 2    |
| 5    | 7-229-609 | SPRING                  | 6    |
| 6    | 7-229-610 | BACK-UP RING            | 2    |
| 7    | 7-229-611 | O-RING                  | 2    |
| 8    | 7-229-612 | BACK-UP RING            | 2    |
| 9    | 7-229-613 | O-RING                  | 2    |
| 10   | 7-229-614 | INTERMEDIATE BRAKE DISC | 8    |
| 11   | 7-229-615 | BLEEDING BOLT           | 2    |
| 12   | 7-229-571 | PLUG                    | 2    |
| 13   | 7-229-616 | DOWEL                   | 2    |
| 14   | 7-229-617 | PISTON                  | 2    |

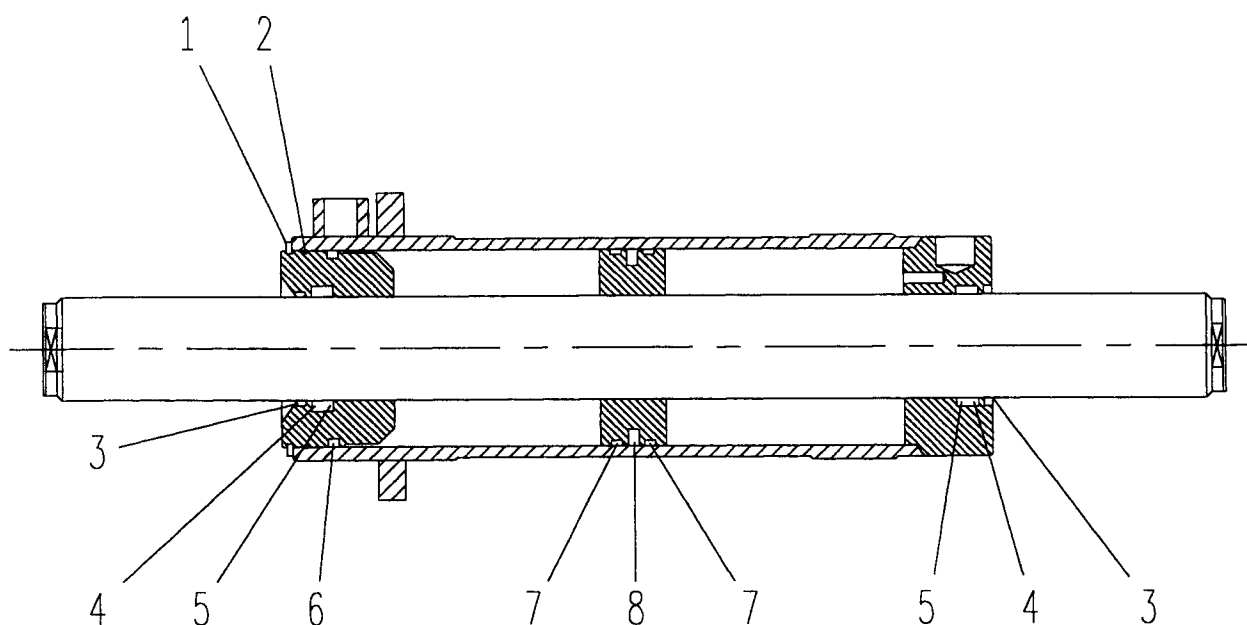


24 35 36 39 OPTIONAL

| ITEM | NUMBER    | DESCRIPTION                  | REQD |
|------|-----------|------------------------------|------|
| 1    | 7-229-684 | HEXAGON BOLT                 | 4    |
| 2    | 7-229-630 | SPRING WASHER                | 4    |
| 3    | 7-229-631 | COVER                        | 1    |
| 4    | 7-229-632 | SEAL                         | 1    |
| 5    | 7-229-633 | O-RING                       | 1    |
| 6    | 7-229-634 | FRICITION WASHER             | 1    |
| 7    | 7-229-635 | SPRING                       | 4    |
| 8    | 7-229-636 | PISTON                       | 1    |
| 9    |           |                              |      |
| 10   | 7-229-638 | BACK-UP RING                 | 1    |
| 11   | 7-229-639 | O-RING                       | 1    |
| 12   | 7-229-640 | COVER                        | 1    |
| 13   | 7-229-641 | DOWEL                        | 1    |
| 14   | 7-229-642 | BOLT                         | 2    |
| 15   | 7-229-643 | NUT                          | 2    |
| 16   | 7-229-644 | SEAL WASHER                  | 3    |
| 17   | 7-229-645 | BOLT                         | 3    |
| 18   | 7-229-646 | O-RING                       | 1    |
| 19   | 7-229-647 | BACK-UP RING                 | 1    |
| 20   | 7-229-648 | INTERMEDIATE BRAKE DISC      | 12   |
| 21   | 7-229-649 | BRAKE DISC                   | 11   |
| 22   | 7-229-685 | SELECTOR                     | 1    |
| 23   | 7-229-651 | RING                         | 1    |
| 24   |           |                              |      |
| 25   | 7-229-653 | ADAPTOR                      | 1    |
| 26   | 7-229-654 | ADAPTOR                      | 2    |
| 27   | 7-229-655 | ADAPTOR                      | 2    |
| 28   | 7-229-686 | TUBE                         | 1    |
| 29   | 7-229-657 | ADAPTOR                      | 1    |
| 30   | 7-229-687 | SPACER                       | 1    |
| 31   | 7-229-688 | CYLINDER BOLT                | 18   |
| 32   | 7-229-689 | COVER                        | 1    |
| 33   | 7-229-661 | O-RING                       | 1    |
| 34   |           | SHIM / SEE ITEMS 42-45 BELOW |      |
| 35   |           |                              |      |
| 36   |           |                              |      |
| 37   | 7-229-666 | PLUG                         | 1    |
| 38   | 7-229-667 | WASHER                       | 2    |
| 39   | 7-229-668 | SPACER                       | 1    |
| 40   | 7-229-690 | PLUG                         | 1    |
| 41   | 7-229-525 | SEAL WASHER                  | 1    |
| 42   | 7-229-662 | SHIM / 0.10mm                | AR   |
| 43   | 7-229-663 | SHIM / 0.20mm                | AR   |
| 44   | 7-229-664 | SHIM / 0.50mm                | AR   |
| 45   | 7-229-665 | SHIM / 0.15mm                | AR   |



| ITEM | NUMBER    | DESCRIPTION                   | REQD |
|------|-----------|-------------------------------|------|
| 1    | 7-229-618 | CYLINDER BOLT                 | 4    |
| 2    |           |                               |      |
| 3    |           |                               |      |
| 4    | 7-229-619 | CYLINDER                      | 1    |
| 5    | 7-229-669 | ARTICULATED TIE ROD / LH & RH | 2    |



| ITEM | NUMBER    | DESCRIPTION          | REQD |
|------|-----------|----------------------|------|
| 1    | 7-229-511 | SNAP RING            | 1    |
| 2    | 7-229-512 | STOP RING            | 2    |
| 3    | 7-229-513 | WIPER                | 2    |
| 4    | 7-229-514 | SEAL                 | 2    |
| 5    | 7-229-515 | BACK-UP RING         | 2    |
| 6    | 7-229-516 | WEAR RING            | 1    |
| 7    | 7-229-517 | PISTON WEAR RING     | 2    |
| 8    | 7-229-518 | PISTON SEAL          | 1    |
| 9    | 7-900-88  | SEAL KIT (ITEMS 1-8) | 1    |