



**Roadranger®**

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# Illustrated Parts List

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**F-5405B-DM3**  
**July 2011**

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## How To Use The Illustrated Parts List

The information contained in this document is subject to frequent updates. Therefore, for the latest information available, please visit the interactive Electronic Parts Catalog at [www.roadranger.com/epc](http://www.roadranger.com/epc).

### Model Designation or Nomenclature

- For information regarding Model Designation and Nomenclature, visit [www.roadranger.com](http://www.roadranger.com).

### Kits and Assemblies (K/A's)

- Kits and Assemblies contain groups of individual or assembled parts developed for optimal replacement or repair of a service problem.
- Kits and Assemblies are shown with applicable parts groupings in the parts listings.

### Identifying Kits and Assemblies

A- Part numbers beginning with the letter 'A' are pre-assembled Production Assemblies

K- Part numbers beginning with the letter 'K' are kits that are not assembled

S- Part numbers beginning with the letter 'S' are pre-assembled Service Assemblies

- Note: Some Production Assemblies do not begin with a letter prefix (Midrange only).

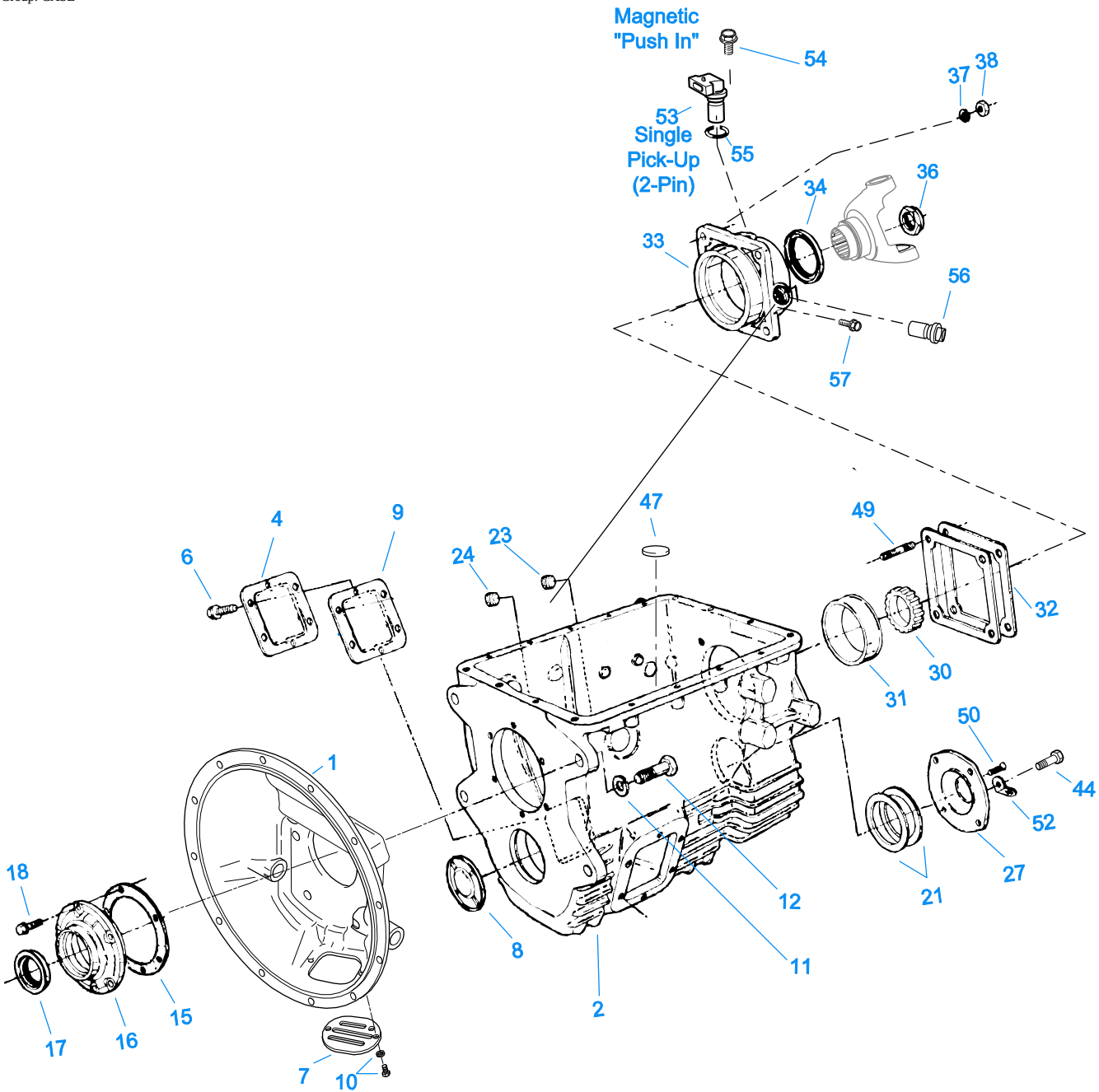
### Illustrations

- Illustrations show parts in assembly groups.
- Item numbers on illustrations correspond with parts listings on pages adjacent to the illustration.
- Notes are included on illustrations where additional information is needed.

### Parts Listing

Parts listings are defined by parts groupings and are broken down by service assemblies. Parts listings identify a part for servicing with the following categories

- **Item Number** - corresponding with numbers on illustrations for part identification.
- **Current Part** - identifies part as it is available for service.
- **Description** - specifies part name or description.
- **Replaced Part** - quantity quantity required for assembly.
- **Quantity** - defines unique characteristics or requirements.
- **Notes** - indicates Kits or Assemblies that contain a particular part.
- **Kits/Assy's Where Used**

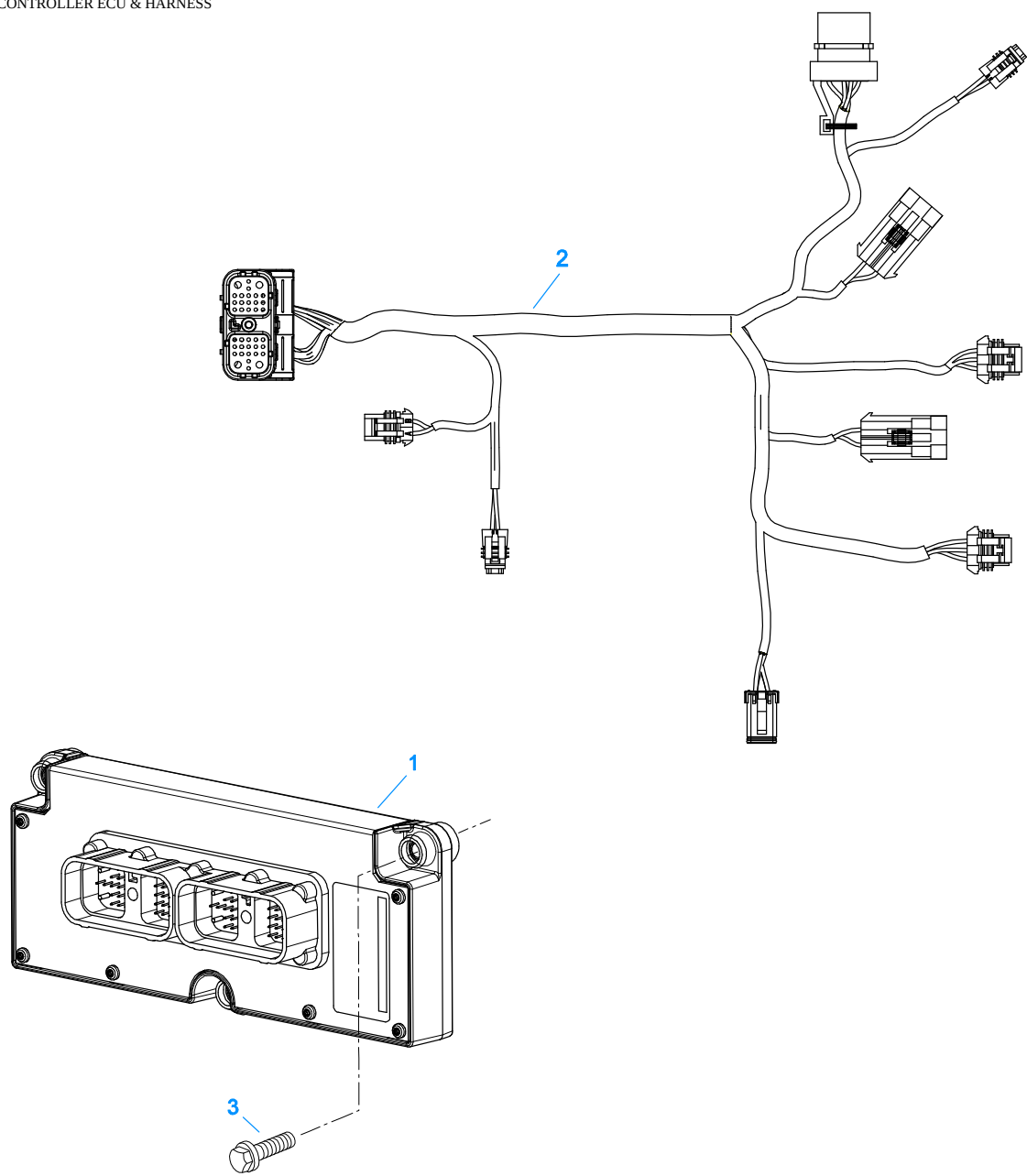


00188-05-05

CASE

| Item | Current Part | Description              | Replaced Part | Qty. | Notes         | Kits/Assys Where Needed |
|------|--------------|--------------------------|---------------|------|---------------|-------------------------|
|      | TA-C39-01    | F-5405B-DM3 SERVICE UNIT |               | 1    | COMPLETE UNIT |                         |
| 1    | A-7636       | CLUTCH HSG ASSY          | 4305882       | 1    |               |                         |
| 2    | A-7635       | CASE ASSY                | 4305847       | 1    |               |                         |
| 4    | 201398       | PTO COVER                |               | 1    |               |                         |
| 6    | 239613       | CAPSCREW                 |               | 6    | 3/8"-16X5/8"  |                         |
| 7    | 4303692      | HAND HOLE COVER          |               | 1    |               | A-7636                  |
| 8    | 3315679      | PLUG                     |               | 1    |               | K-3440                  |
| 9    | 4305309      | GASKET                   | 1684          | 1    |               | K-3648,K-3738           |

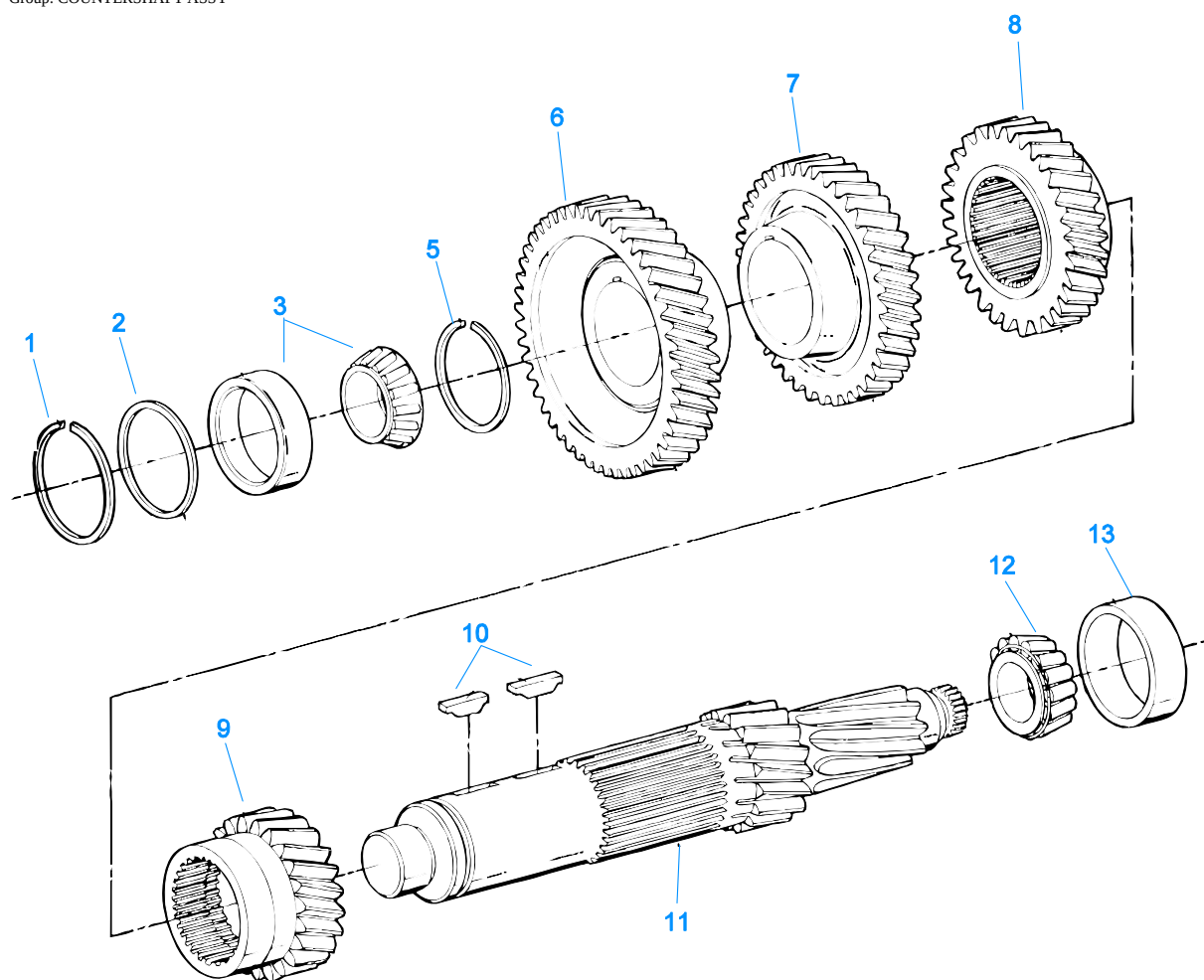
| Item | Current Part | Description          | Replaced Part           | Qty. | Notes                            | Kits/Assys Where Needed |
|------|--------------|----------------------|-------------------------|------|----------------------------------|-------------------------|
| 10   | X-8L-408     | SCREW & WASHER ASSY  |                         | 2    |                                  |                         |
| 11   | X-3-1000     | LOCKWASHER           |                         | 4    | 5/8"                             |                         |
| 12   | X-8-1013     | HEX HEAD SCREW       |                         | 4    | .625-11 X 3.00                   |                         |
| 15   | 3315659      | GASKET               |                         | 1    |                                  | K-3738                  |
| 16   | 4300888      | FRONT BRG COVER-PULL |                         | 1    |                                  |                         |
| 17   | 4300121      | OIL SEAL             | 3315623                 | 1    | SHAFT 1.873, WIDTH .375, OD 2.68 | K-3440                  |
| 18   | 239614       | SCREW                |                         | 6    | 5/16-18X.81                      |                         |
| 21   | 3315681      | SHIM .004            |                         | 1    |                                  | K-2183                  |
| 21   | 3315682      | SHIM .007            |                         | 1    |                                  | K-2183                  |
| 21   | 3315683      | SHIM .010            |                         | 1    |                                  | K-2183                  |
| 21   | 3315684      | SHIM .020            |                         | 1    |                                  | K-2183                  |
| 21   | 4300977      | SHIM .040            |                         | 1    |                                  |                         |
| 23   | X-12-1209    | PIPE PLUG            |                         | 1    |                                  |                         |
| 24   | X-12-1207    | PIPE PLUG            | X12 1202 ,X12 1206      | 2    | 3/4" MAGNETIC                    |                         |
| 27   | 4301607      | C/S REAR BRG COVER   |                         | 1    |                                  |                         |
| 30   | 3316160      | SPEEDO ROTOR         |                         | 1    | 16 TEETH                         |                         |
| 31   | 711123       | BEARING CUP          |                         | 1    |                                  | K-3440                  |
| 32   | 3315662      | SHIM .004            |                         | 1    |                                  | K-2183                  |
| 32   | 3315663      | SHIM .007            |                         | 1    |                                  | K-2183                  |
| 32   | 3315664      | SHIM .010            |                         | 1    |                                  | K-2183                  |
| 32   | 3315665      | SHIM .020            |                         | 1    |                                  | K-2183                  |
| 32   | 4300978      | SHIM .040            |                         | 1    |                                  |                         |
| 33   | S-2864       | REAR BRG COVER ASSY  | 691423 ,691666          | 1    |                                  |                         |
| 34   | 4300119      | OIL SEAL             |                         | 1    | SHAFT 2.753, WIDTH .5            | K-3440,S-2864           |
| 36   | K-3411       | NUT KIT              | 21937 ,4301920 ,4304690 | 1    |                                  |                         |
| 37   | 239436       | WASHER               |                         | 4    | 1/2"                             |                         |
| 38   | 86D8         | NUT                  | 86D08                   | 4    | 1/2"-20                          |                         |
| 44   | X-8C-604     | CAPSCREW             |                         | 4    | 3/8"-16X1-1/4"                   |                         |
| 47   | 14373        | MAGNET               |                         | 2    |                                  | A-7635                  |
| 49   | 239433       | STUD                 |                         | 4    | 1/2"-20X2-5/16"                  |                         |
| 50   | X-12-405     | PIPE PLUG            |                         | 1    |                                  |                         |
| 52   | 238370       | LIFTING EYE          |                         | 2    |                                  |                         |
| 53   | K-3231       | SPEED SENSOR KIT     | A - 6398 ,A - 6724      | 1    | SINGLE PICK-UP (2 PIN)           |                         |
| 54   | X-8C-409     | CAPSCREW             |                         | 1    | 1/4"-20X5/8"                     |                         |
| 55   | 14142        | -O- RING             |                         | 1    |                                  | K-3125,K-3638,S-2864    |
| 56   | K-3125       | SPEEDO PLUG KIT      | 4302707                 | 2    |                                  |                         |
| 57   | X-8C-409     | CAPSCREW             |                         | 2    | 1/4"-20X5/8"                     |                         |



20321-05-05

CONTROLLER ECU & HARNESS

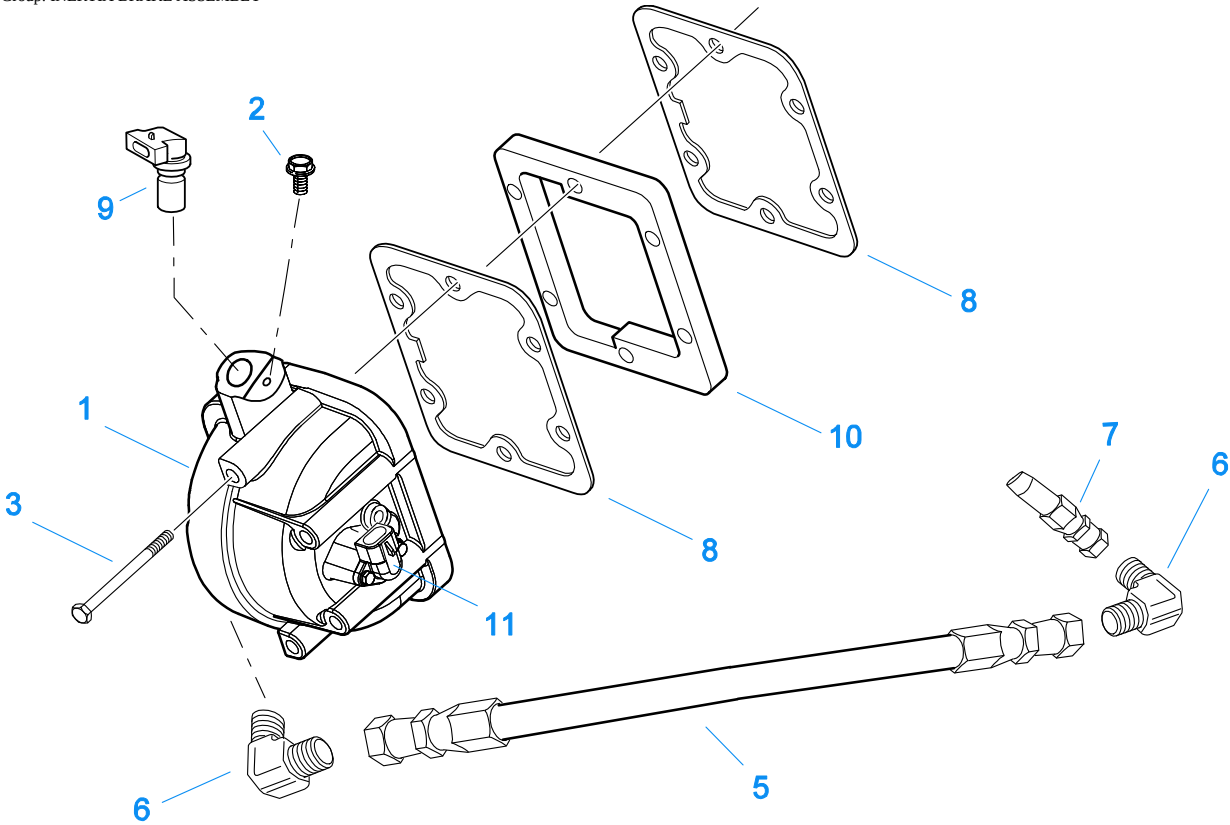
| Item | Current Part | Description           | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|------|--------------|-----------------------|---------------|------|-------|-------------------------|
| 1    | K-3712       | TRANS CONTROLLER KIT  |               | 1    |       |                         |
| 2    | K-3743       | TRANS HARNESS KIT     | 4306024       | 1    |       |                         |
| 3    | X-8C-455     | HEX HEAD WASHER/SCREW |               | 3    |       |                         |



00303-8/93 CS 53

## COUNTERSHAFT ASSY

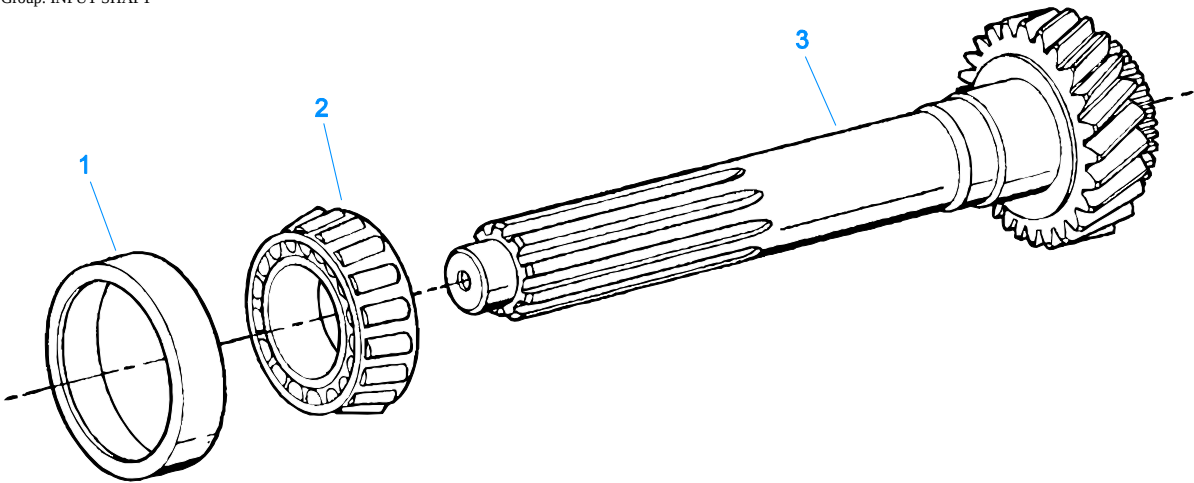
| Item | Current Part | Description          | Replaced Part   | Qty. | Notes | Kits/Assys Where Needed |
|------|--------------|----------------------|-----------------|------|-------|-------------------------|
| 1    | 3315686      | SNAP RING            |                 | 1    |       | K-3440                  |
| 2    | 3315687      | WASHER               |                 | 1    |       |                         |
| 3    | K-3795       | COUNTERSHAFT BRG KIT | 1313645, 791943 | 1    |       |                         |
| 5    | 3315752      | SNAP RING            | 3315751         | 1    |       |                         |
| 6    | 4304541      | DRIVE GEAR-CNTRSHFT  |                 | 1    |       |                         |
| 7    | 4304542      | 5TH GEAR-CNTRSHFT    |                 | 1    |       |                         |
| 8    | 4304097      | 4TH GEAR-CNTRSHFT    | 4304099         | 1    |       |                         |
| 9    | 4304056      | 3RD GEAR-CNTRSHFT    | 4304062         | 1    |       |                         |
| 10   | 230292       | KEY                  |                 | 2    |       |                         |
| 11   | 4303868      | COUNTERSHAFT         |                 | 1    |       |                         |
| 12   | 658981       | BEARING CONE         |                 | 1    |       | K-3440                  |
| 13   | 660181       | BEARING CUP          |                 | 1    |       | K-3440                  |



20428-05-05

INERTIA BRAKE ASSEMBLY

| Item | Current Part | Description              | Replaced Part              | Qty. | Notes                  | Kits/Assys Where Needed |
|------|--------------|--------------------------|----------------------------|------|------------------------|-------------------------|
| 1    | K-3648       | INERTIA BRAKE KIT        | A - 7434 ,K - 3508, A-7828 | 1    |                        |                         |
| 2    | X-8C-409     | CAPSCREW                 |                            | 1    | 1/4"-20X5/8"           |                         |
| 3    | X-8C-690     | CAPSCREW                 |                            | 6    |                        |                         |
| 4    | 4303677      | ELBOW                    |                            | 1    |                        |                         |
| 5    | 5588207      | OIL HOSE ASSY (12.70")   |                            | 1    |                        |                         |
| 6    | 691651       | ELBOW, 90 DEG MALE       |                            | 2    |                        |                         |
| 7    | 691517       | FILTER FITTING           |                            | 1    |                        |                         |
| 8    | 4305309      | GASKET                   | 1684                       | 2    |                        | K-3648,K-3738           |
| 9    | K-3231       | SPEED SENSOR KIT         | A - 6398 ,A - 6724         | 1    | SINGLE PICK-UP (2 PIN) |                         |
| 10   | 691519       | PLATE-ADAPTER 6 BOLT PTO |                            | 1    |                        |                         |
| 11   | K-3638       | I-BRAKE CONNECTOR KIT    | 691499                     | 1    |                        |                         |



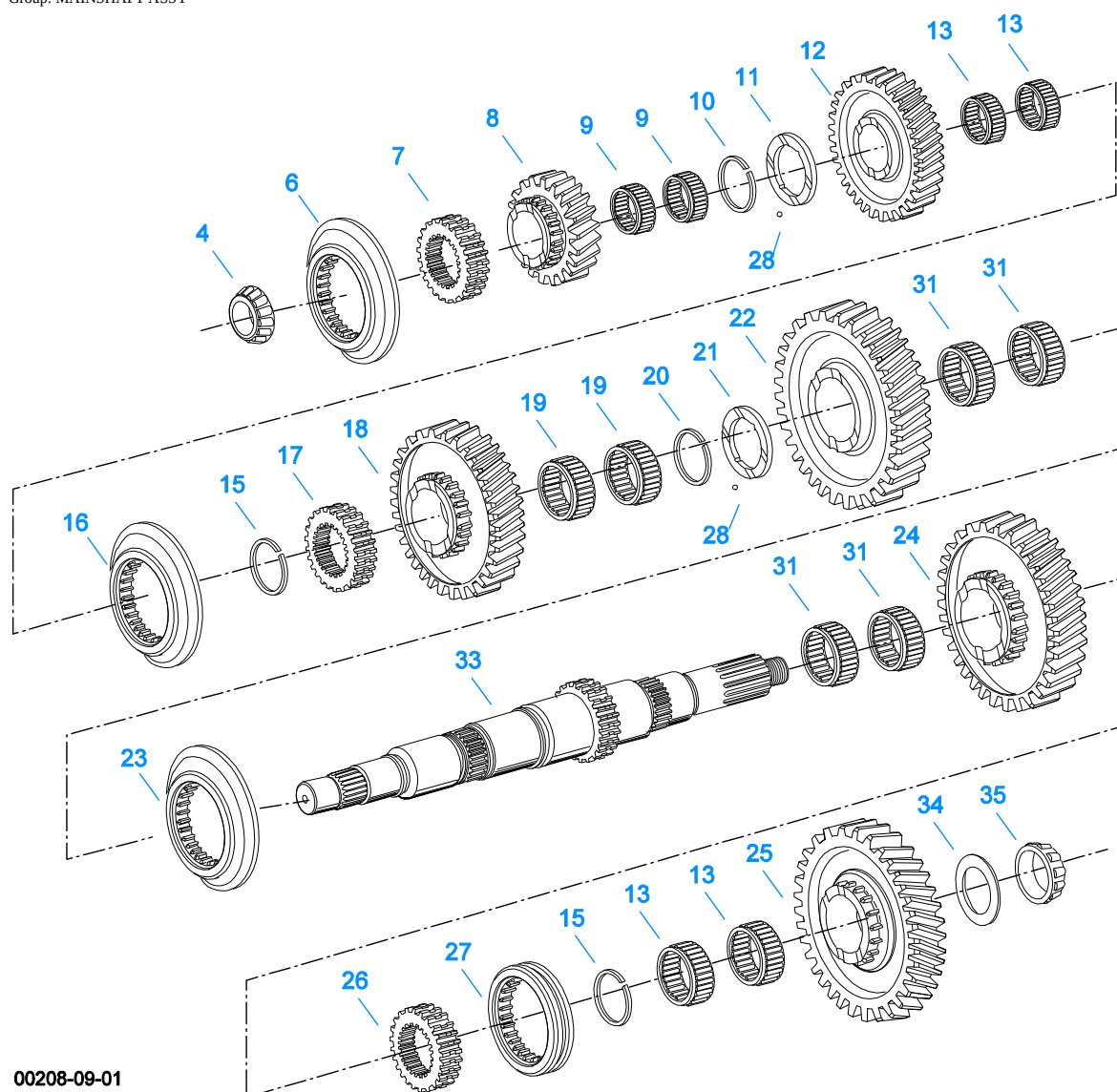
00401-8/93 IS 62

INPUT SHAFT

| Item | Current Part | Description            | Replaced Part | Qty. | Notes       | Kits/Assys Where Needed |
|------|--------------|------------------------|---------------|------|-------------|-------------------------|
| 1    | 675250       | BEARING CUP            |               | 1    | 1.75" INPUT | K-3440                  |
| 2    | 742259       | BEARING CONE           |               | 1    | 1.75" INPUT | K-3440                  |
| 3    | 4304539      | INPUT SHAFT-1.75" PULL |               | 1    | PILOT 30MM  |                         |

## KITS & ASSEMBLIES

| Item | Current Part | Description                      | Replaced Part              | Qty. | Notes                  | Kits/Assys Where Needed |
|------|--------------|----------------------------------|----------------------------|------|------------------------|-------------------------|
|      | K-2183       | SHIM KIT                         |                            | 1    |                        | K-3440                  |
|      | K-3125       | SPEEDO PLUG KIT                  | 4302707                    | 1    |                        |                         |
|      | K-3231       | SPEED SENSOR KIT                 | A - 6398 ,A - 6724         | 1    | SINGLE PICK-UP (2 PIN) |                         |
|      | K-3411       | NUT KIT                          | 21937 ,4301920<br>,4304690 | 1    |                        |                         |
|      | K-3438       | POSITION SENSOR KIT              | 691551 ,691926             | 1    |                        |                         |
|      | K-3440       | BASIC REBUILD KIT                |                            | 1    |                        |                         |
|      | K-3638       | I-BRAKE CONNECTOR KIT            | 691499                     | 1    |                        |                         |
|      | K-3648       | INERTIA BRAKE KIT                | A - 7434 ,K - 3508         | 1    |                        |                         |
|      | K-3712       | TRANS CONTROLLER KIT             |                            | 1    |                        |                         |
|      | K-3738       | GASKET KIT                       |                            | 1    |                        | K-3440                  |
|      | K-3743       | TRANS HARNESS KIT                | 4306024                    | 1    |                        |                         |
|      | K-3784RX     | REMAN EXCH GEN 3 X-Y SHIFTER KIT | A - 7670, A - 7856,K-3784  | 1    |                        |                         |
|      | K-3795       | COUNTERSHAFT BRG KIT             | 1313645, 791943            | 1    |                        |                         |
|      | S-2864       | REAR BRG COVER ASSY              | 691423 ,691666             | 1    |                        |                         |
|      | S-2865       | SHIFT BAR HOUSING ASSY           | 691655 ,A - 7053           | 1    |                        |                         |
|      | TA-C39-01    | F-5405B-DM3 SERVICE UNIT         |                            | 1    | COMPLETE UNIT          |                         |

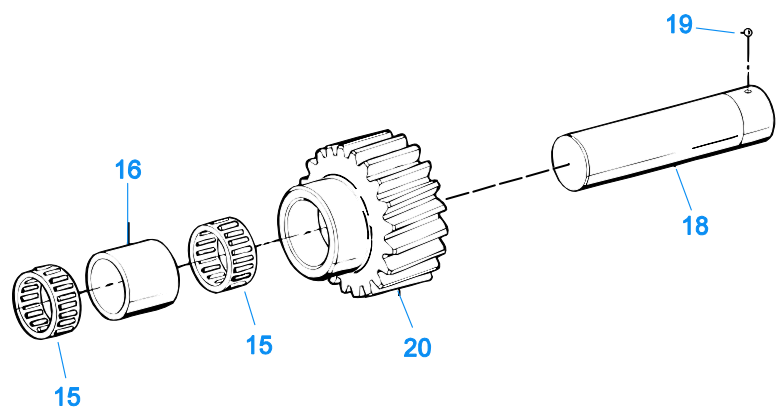


00208-09-01

## MAINSHAFT ASSY

| Item | Current Part | Description                 | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|------|--------------|-----------------------------|---------------|------|-------|-------------------------|
| 4    | 710787       | BEARING CONE                |               | 1    |       | K-3440                  |
| 6    | 691415       | SLIDING CLUTCH<br>(5TH/6TH) |               | 1    |       |                         |
| 7    | 4301476      | CLUTCH HUB 5/6              |               | 1    |       |                         |
| 8    | 4304543      | 5TH GEAR-MAINSHAFT          |               | 1    |       |                         |
| 9    | 3315737      | BEARING                     |               | 2    |       | K-3440                  |
| 10   | 3315728      | SNAP RING                   | 3315729       | 1    |       |                         |
| 11   | 3315727      | WASHER                      |               | 1    |       |                         |
| 12   | 4304098      | 4TH GEAR-MAINSHAFT          | 4304401       | 1    |       |                         |
| 13   | 4124075      | BEARING                     |               | 4    |       | K-3440                  |
| 15   | 3315725      | SNAP RING                   |               | 2    |       | K-3440                  |
| 16   | 691414       | SLIDING CLUTCH<br>(3RD/4TH) |               | 1    |       |                         |
| 17   | 4301475      | CLUTCH HUB 3/4              |               | 1    |       |                         |
| 18   | 4304057      | 3RD GEAR-MAINSHAFT          | 4304063       | 1    |       |                         |
| 19   | 3315722      | BEARING                     |               | 2    |       | K-3440                  |
| 20   | 3315717      | SNAP RING                   | 3315718       | 1    |       |                         |
| 21   | 3315719      | WASHER                      |               | 1    |       |                         |
| 22   | 4303231      | 2ND GEAR-MAINSHAFT          | 4301482       | 1    |       |                         |
| 23   | 4301852      | SLIDING CLUTCH<br>1ST/REV   |               | 1    |       |                         |

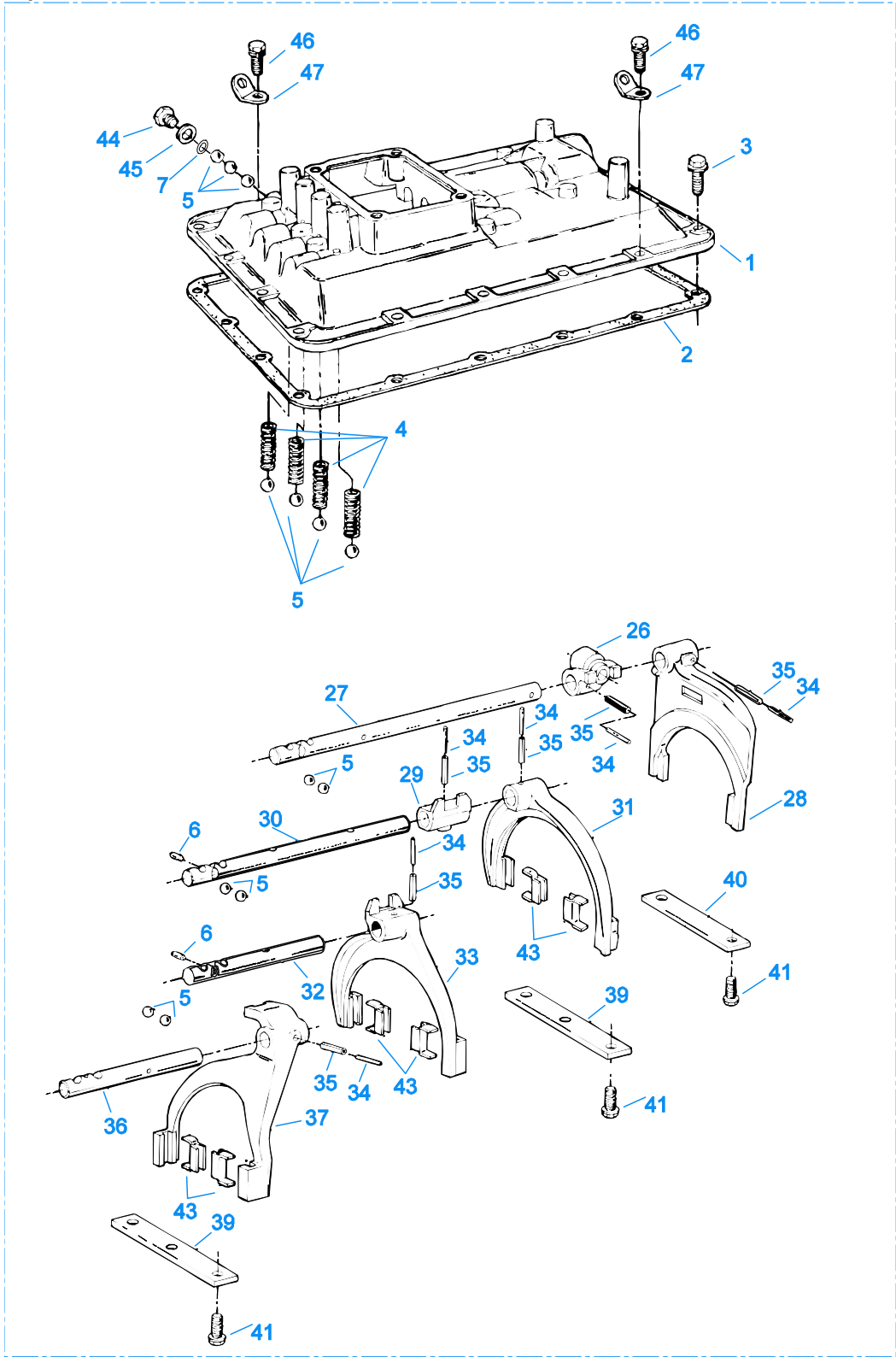
| Item | Current Part | Description            | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|------|--------------|------------------------|---------------|------|-------|-------------------------|
| 24   | 4303298      | 1ST GEAR-MAINSHAFT     |               | 1    |       |                         |
| 25   | 4303301      | REVERSE GEAR-MAINSHAFT |               | 1    |       |                         |
| 26   | 4301474      | CLUTCH HUB-REV         |               | 1    |       |                         |
| 27   | 4301473      | SLIDING CLUTCH-REV     |               | 1    |       |                         |
| 28   | 10J06        | STEEL BALL             |               | 2    | 3/16" |                         |
| 31   | 3315703      | BEARING                |               | 4    |       | K-3440                  |
| 33   | 4301468      | MAINSHAFT              |               | 1    |       |                         |
| 34   | 4301492      | WASHER                 |               | 1    |       |                         |
| 35   | 5557003      | BEARING CONE           |               | 1    |       | K-3440                  |



00455-02-03

REVERSE IDLER GEAR ASSY

| Item | Current Part | Description         | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|------|--------------|---------------------|---------------|------|-------|-------------------------|
| 15   | 3315674      | BEARING             |               | 2    |       | K-3440                  |
| 16   | 3315676      | SPACER              |               | 1    |       |                         |
| 18   | 3315672      | REVERSE IDLER SHAFT |               | 1    |       |                         |
| 19   | 10J06        | STEEL BALL          |               | 1    | 3/16" |                         |
| 20   | 4304319      | REVERSE IDLER GEAR  |               | 1    |       |                         |



999

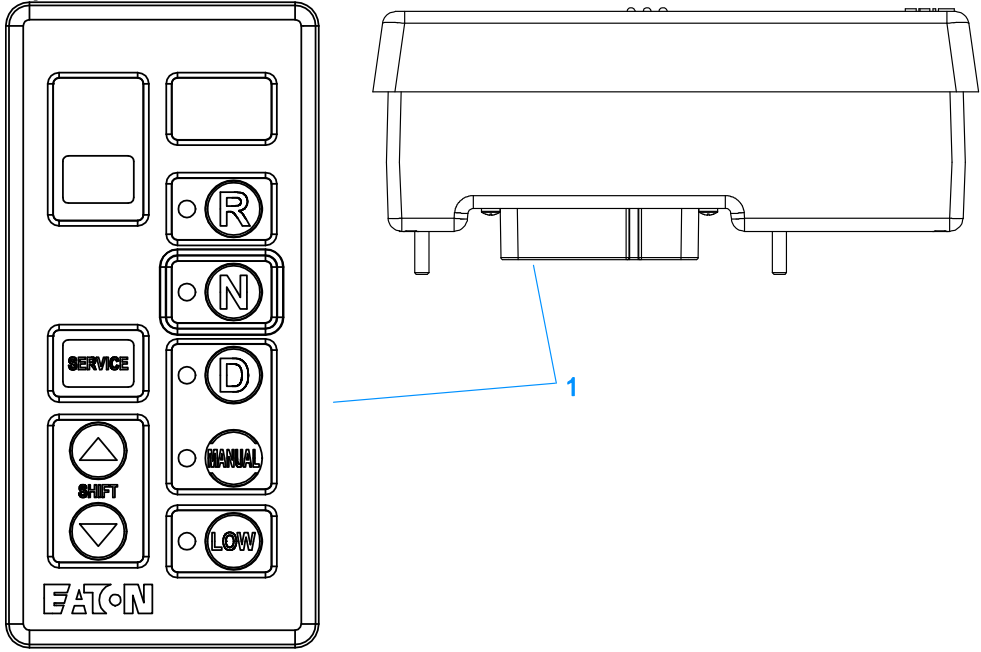
00105A-09-01

SHIFT BAR HOUSING

| Item | Current Part | Description       | Replaced Part    | Qty. | Notes | Kits/Assys Where Needed |
|------|--------------|-------------------|------------------|------|-------|-------------------------|
| 1    | S-2865       | SHIFT BAR HOUSING | 691655 ,A - 7053 | 1    |       |                         |

| Item | Current Part | Description               | Replaced Part    | Qty. | Notes               | Kits/Assys Where Needed |
|------|--------------|---------------------------|------------------|------|---------------------|-------------------------|
|      |              | ASSY                      |                  |      |                     |                         |
| 2    | 4300854      | GASKET                    | 3315678          | 1    |                     | K-3738,S-2865           |
| 3    | X-8C-600     | CAPSCREW                  | 239611           | 12   | 3/8"-16X1"          |                         |
| 4    | 691644       | SPRING                    |                  | 4    |                     | K-3440                  |
| 5    | 10J14        | STEEL BALL                |                  | 13   | 7/16"               |                         |
| 6    | 201044       | PIN                       |                  | 2    |                     |                         |
| 7    | 4301719      | BALL RETAINER-<br>REVERSE |                  | 1    |                     |                         |
| 26   | 691526       | SHIFT BLOCK - REVERSE     |                  | 1    |                     |                         |
| 27   | 691654       | YOKE BAR - REVERSE        | 691422           | 1    |                     |                         |
| 28   | 3315897      | SHIFT YOKE ASSY           |                  | 1    |                     |                         |
| 29   | 691522       | SHIFT BLOCK (1ST/2ND)     |                  | 1    |                     |                         |
| 30   | 691419       | YOKE BAR (1ST/2ND)        |                  | 1    |                     |                         |
| 31   | 3315772      | SHIFT YOKE ASSY           | 3315770          | 1    |                     |                         |
| 32   | 691420       | YOKE BAR (3RD/4TH)        |                  | 1    |                     |                         |
| 33   | A-7038       | YOKE ASSY (3RD/4TH)       | 691524           | 1    |                     |                         |
| 34   | 1JM6028      | PIN                       |                  | 6    |                     |                         |
| 35   | 1JM3528      | PIN                       |                  | 6    |                     |                         |
| 36   | 691421       | YOKE BAR (5TH/6TH)        |                  | 1    |                     |                         |
| 37   | A-7039       | YOKE ASSY (5TH/6TH)       | 691525           | 1    |                     |                         |
| 39   | 4301279      | SHIFT BAR RETAINER        | 3315756          | 2    |                     |                         |
| 40   | 3315757      | SHIFT BAR RETAINER        |                  | 1    |                     |                         |
| 41   | 233043       | CAPSCREW                  |                  | 8    | 3/8"-16X1"          |                         |
| 43   | 227675       | INSERT - YOKE PAD         |                  | 6    |                     | A-7038,A-7039           |
| 44   | 235052       | CA PLUG                   |                  | 1    | 9/16 - 18           |                         |
| 44   | 4303656      | PLUG                      | 15917            | 1    | 9/16 - 18, THREADED |                         |
| 45   | 15900        | GASKET                    |                  | 1    |                     | K-3738,S-2865           |
| 46   | X-8-688      | CAPSCREW                  |                  | 3    | 3/8"-16X1"          |                         |
| 47   | 238370       | LIFTING EYE               |                  | 3    |                     |                         |
| 999  | S-2865       | SHIFT BAR HOUSING<br>ASSY | 691655 ,A - 7053 | 1    |                     |                         |

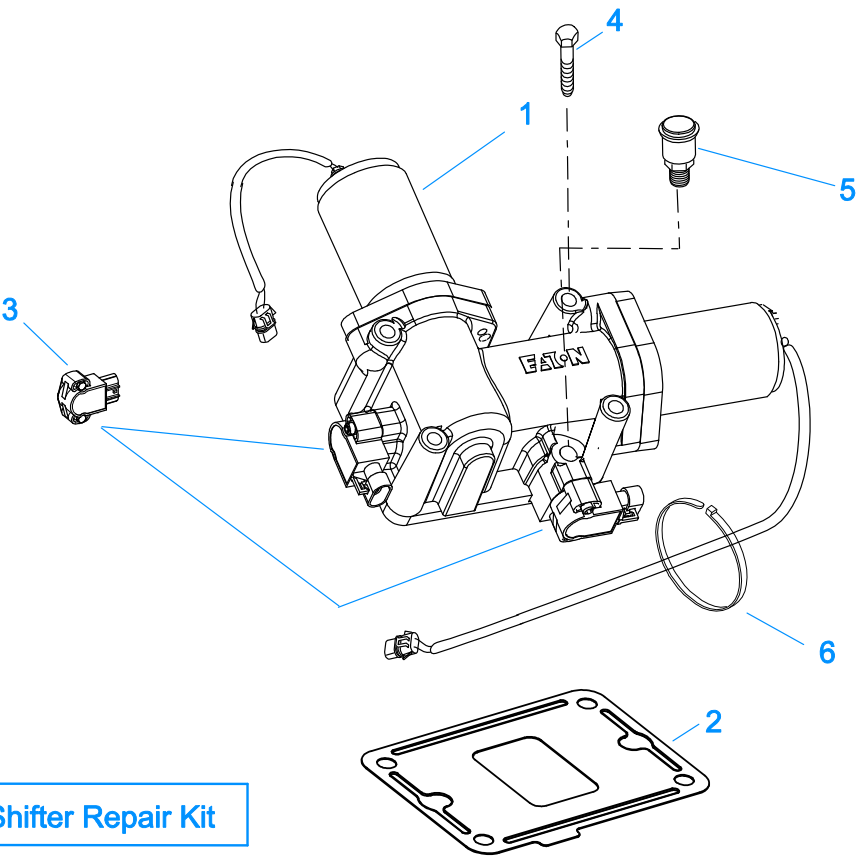
Group: SHIFT CONTROLS



20318-03-01

SHIFT CONTROLS

| Item | Current Part | Description     | Replaced Part   | Qty. | Notes | Kits/Assys Where Needed |
|------|--------------|-----------------|-----------------|------|-------|-------------------------|
| 1    | 4306043      | PUSHBUTTON ASSY | A - 7466,S-3007 | 1    |       |                         |



20230-09-01

X-Y SHIFTER MODULE

| Item | Current Part | Description                      | Replaced Part             | Qty. | Notes    | Kits/Assys Where Needed |
|------|--------------|----------------------------------|---------------------------|------|----------|-------------------------|
| 1    | K-3784RX     | REMAN EXCH GEN 3 X-Y SHIFTER KIT | A - 7670, A - 7856,K-3784 | 1    |          |                         |
| 2    | 4305452      | GASKET                           | 4301958                   | 1    |          | K-3738,K-4009           |
| 3    | K-3438       | POSITION SENSOR KIT              | 691551 ,691926            | 2    |          |                         |
| 4    | X-8C-615     | CAPSCREW                         |                           | 4    |          |                         |
| 5    | 4304602      | BREATHER                         | 23605                     | 1    | 1/4" NPT |                         |
| 6    | 5559348      | TY-RAP                           |                           | 6    |          | K-3743                  |
| 7    | K-4009       | XY SHIFTER REPAIR KIT            |                           | 1    |          |                         |

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