



## Groundsmaster<sup>®</sup> 228-D

### 2WD and 4WD Traction Unit

Model No. 30241—210000001 and Up

Model No. 30242—210000001 and Up

## Parts Catalog

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### Ordering Replacement Parts

To order replacement parts, please supply: the part number, the quantity, and the description of each part desired.

### Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

### Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form **a:b**. The **a** represents the reference number of the entire service assembly and the **b** represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number **6**, the tire by **6:1**, the valve by **6:2**, and the wheel by **6:3**. When you order the assembly identified by reference number **6**, you receive all parts identified by reference numbers **6:1**, **6:2**, and **6:3**. However, you may also order any part individually.

Reference numbers of this type appear in illustrations and in part lists.

### Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form **nX y**. The **n** represents the quantity of the part, the **X** is the multiplication symbol, and the **y** represents the reference number.

For example, in an illustration, the reference number **2X 37** means that two of the parts identified by reference number **37** are indicated.

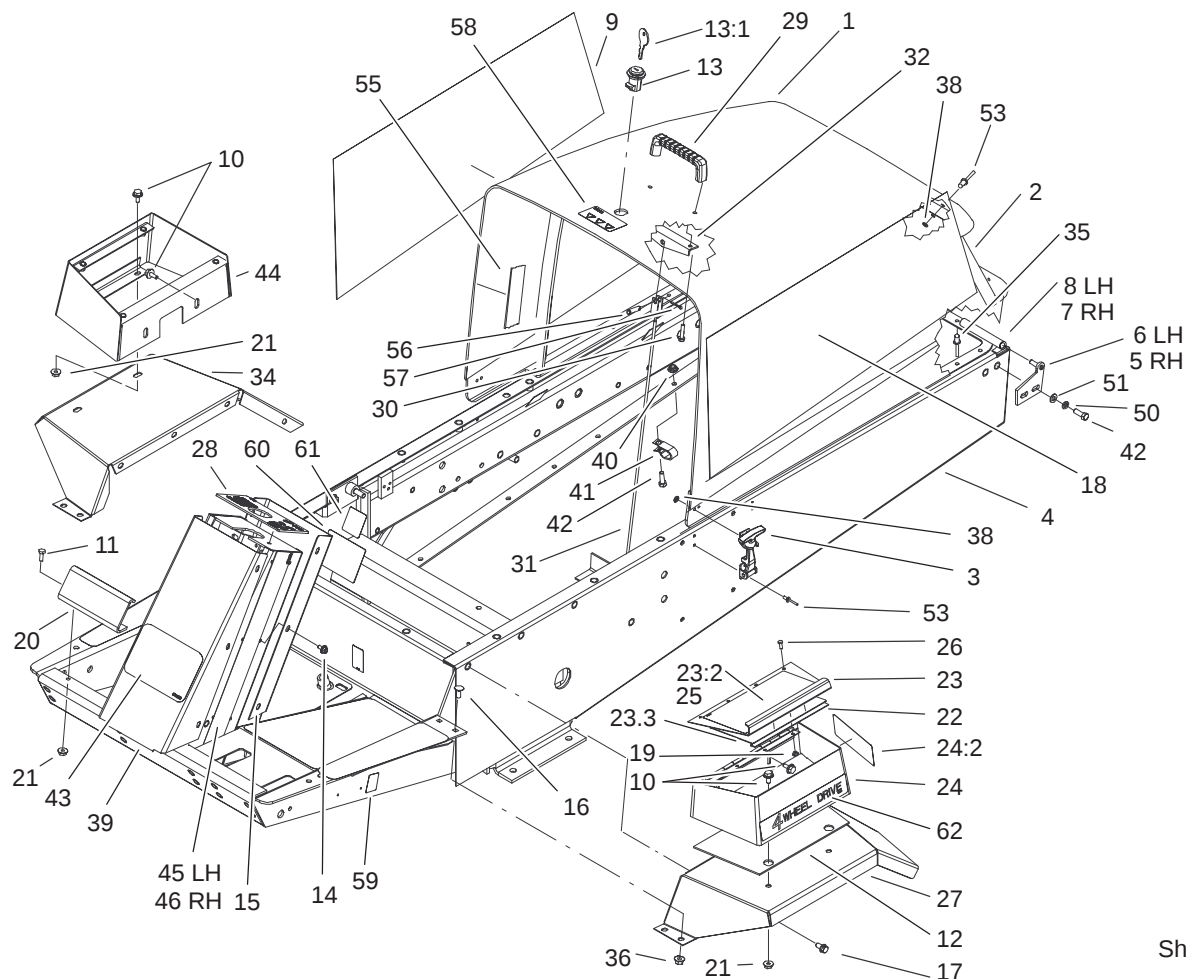
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## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

| Abbreviation | Meaning                           | Abbreviation | Meaning                 |
|--------------|-----------------------------------|--------------|-------------------------|
| AR .....     | as required                       | HYD .....    | hydraulic               |
| ASM .....    | assembly                          | INC .....    | incorporated            |
| CARR .....   | carriage                          | LH .....     | left hand               |
| DEG .....    | degrees                           | NI .....     | nylon insert            |
| FH .....     | flat head                         | PPH .....    | Phillips pan head       |
| GA .....     | gauge                             | PTH .....    | Phillips truss head     |
| HF .....     | hex flange                        | PTO .....    | power take off          |
| HH .....     | hex head                          | RH .....     | right hand              |
| HHF .....    | hex head flange                   | SFH .....    | slotted fillister head  |
| HLH .....    | hex lag head                      | SHH .....    | slotted hex head        |
| HJ .....     | hex jam                           | SQH .....    | square head             |
| HOC .....    | height-of-cut                     | SHWH .....   | slotted hex washer head |
| HS .....     | hex socket                        | SPH .....    | slotted pan head        |
| HSBH .....   | hex socket button head            | SRH .....    | slotted round head      |
| HSFH .....   | hex socket flat head              | STD .....    | standard                |
| HSH .....    | hex socket head                   | TAP .....    | self tapping            |
| HWH .....    | hex washer head                   | TTH .....    | Torx truss head         |
| HWHTF .....  | hex washer head<br>thread forming | WH .....     | wing head               |

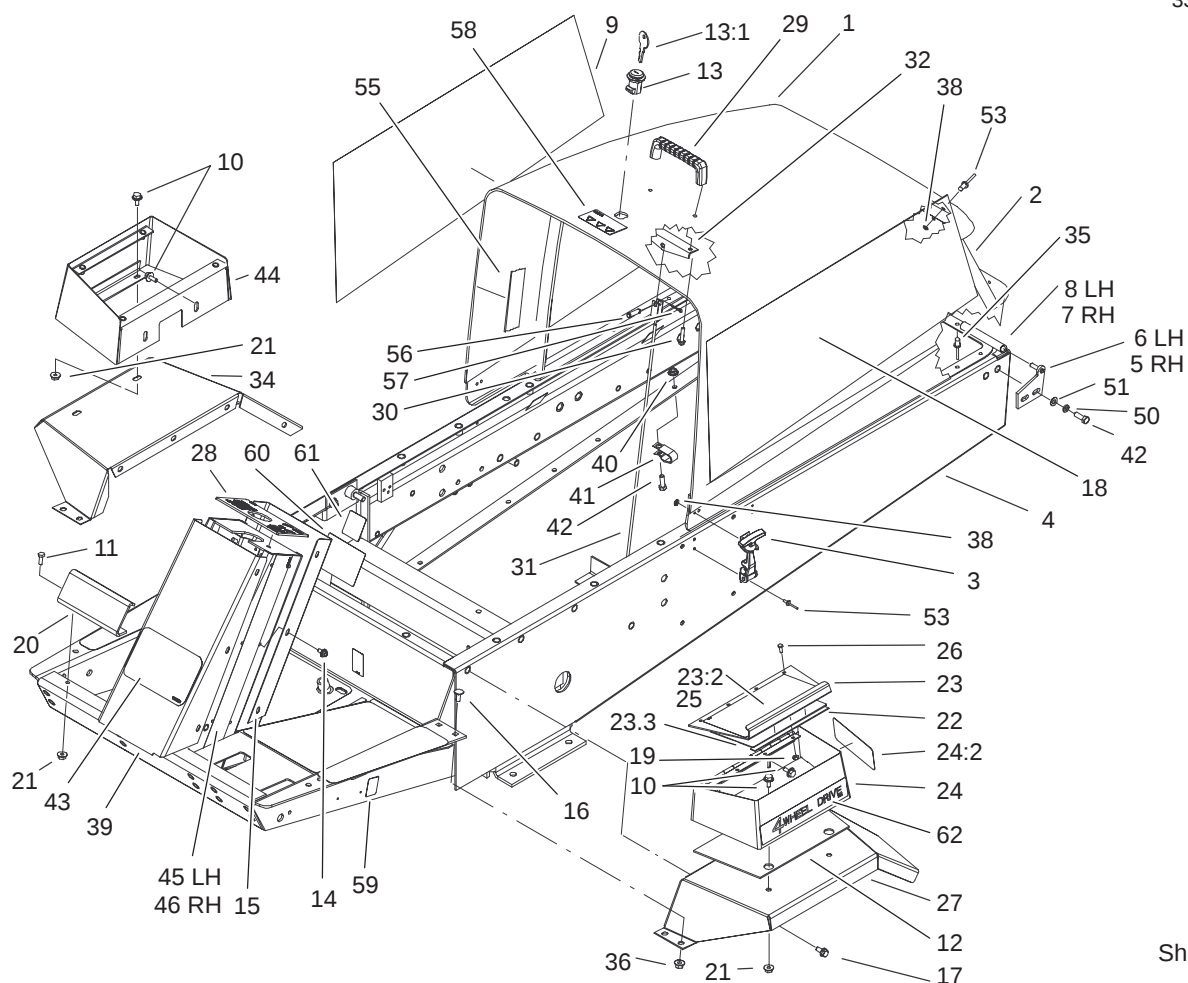


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## Frame and Hood Assembly

| Ref. No. | Part No.    | Qty. | Description                         |
|----------|-------------|------|-------------------------------------|
| 1        | 104-3485    | 1    | Hood                                |
| 2        | 105-0006-03 | 1    | Screen-Hood                         |
| 3        | 95-6339     | 2    | Latch                               |
| 4        | 95-6280     | 1    | Frame ASM                           |
| 5        | 105-0003-01 | 1    | Hinge Pin ASM-RH                    |
| 6        | 105-0004-01 | 1    | Hinge Pin ASM-LH                    |
| 7        | 105-4277-03 | 1    | Hood Hinge ASM, RH                  |
| 8        | 105-4278-03 | 1    | Hood Hinge ASM, LH                  |
| 9        | 105-0045    | 1    | Decal-Groundsmaster 228-D, RH       |
| 10       | 3234-13     | 8    | Screw-HHF                           |
| 11       | 321-4       | 2    | Screw-HH                            |
| 12       | 76-4790     | 1    | Pad-Rubber                          |
| 13       | 98-9315     | 1    | Latch-Locking                       |
| 13:1     | 99-8350     | 2    | Key-Latch, Locking                  |
| 14       | 46-6810     | 13   | Screw & Washer ASM (only on: 30241) |
| 14       | 46-6810     | 7    | Screw & Washer ASM (only on: 30242) |
| 15       | 63-7320-01  | 1    | Cover-Tower Rear                    |
| 16       | 3230-23     | 4    | Screw-CARR                          |
| 17       | 3234-14     | 8    | Screw-HHF (only on: 30241)          |
| 17       | 3234-14     | 4    | Screw-HHF (only on: 30242)          |

| Ref. No. | Part No.   | Qty. | Description                         |
|----------|------------|------|-------------------------------------|
| 18       | 105-0070   | 1    | Decal-Groundsmaster 228-D, LH       |
| 19       | 3296-12    | 4    | Nut-Lock                            |
| 20       | 92-5548-01 | 1    | Shield-Pedal Stop                   |
| 21       | 32128-33   | 6    | Nut-HF                              |
| 22       | 66-3050    | 1    | Latch-Tool Box                      |
| 23       | 105-0074   | 1    | Tool Box Cover ASM (only on: 30242) |
| 23       | 105-2562   | 1    | Tool Box Cover ASM (only on: 30241) |
| *23:1    | 66-3040-03 | 1    | Cover-Tool Box (only on: 30242)     |
| 23:2     | 92-5774    | 1    | Decal - Danger (only on: 30242)     |
| 23:2     | 105-2510   | 1    | Decal-Warning (only on: 30241)      |
| 23:3     | 104-3484   | 1    | Decal-Service                       |
| 24       | 92-6501    | 1    | Tool Box ASM                        |
| 24:2     | 93-7822    | 1    | Decal - Refueling                   |
| 25       | 93-7804    | 1    | Decal - Danger (only on: 30242)     |
| 25       | 105-2512   | 1    | Decal-Warning (only on: 30241)      |
| 26       | 3290-359   | 4    | Screw-HWH                           |
| 27       | 63-7310-01 | 1    | Fender-LH                           |

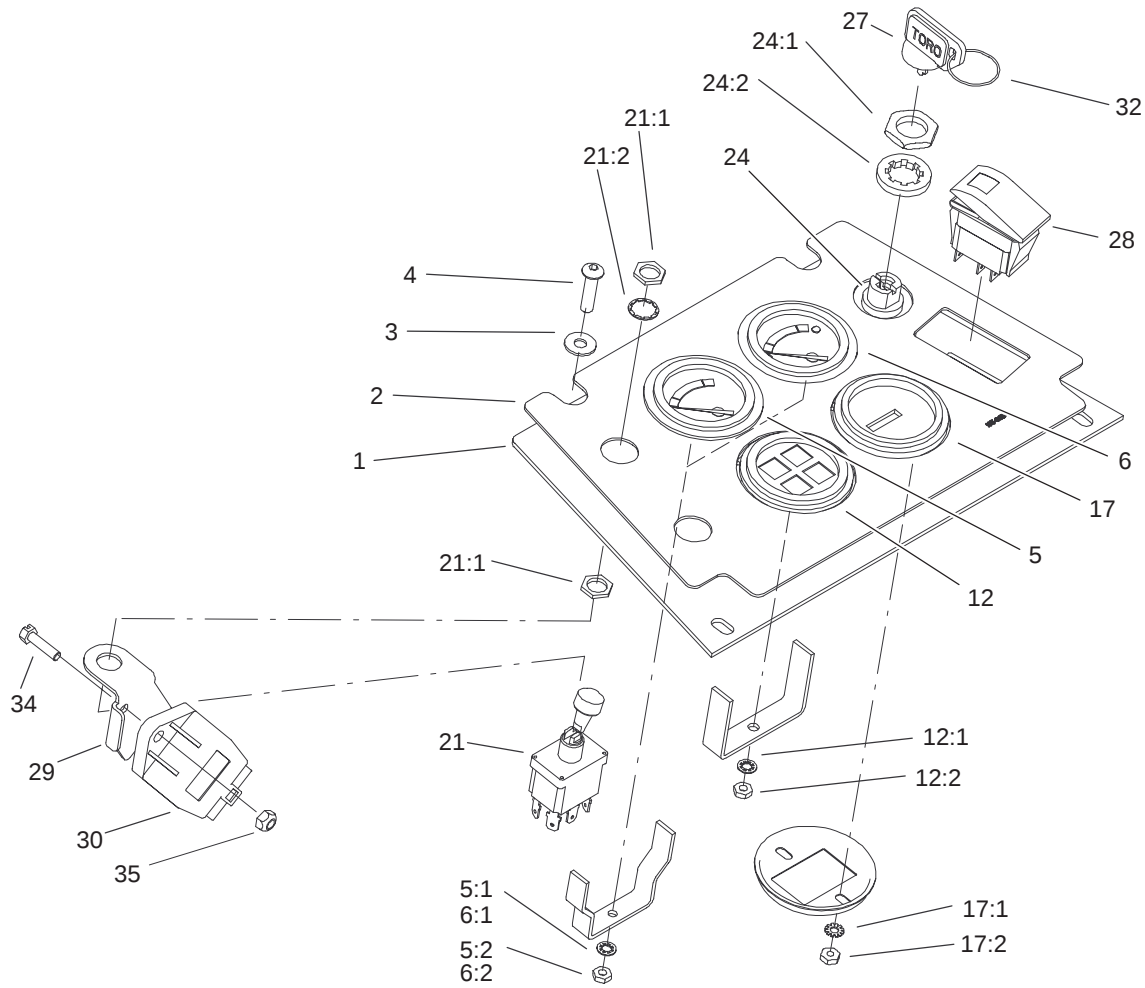


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## Frame and Hood Assembly (Continued)

| Ref. No. | Part No.    | Qty. | Description                    | Ref. No. | Part No. | Qty. | Description                             |
|----------|-------------|------|--------------------------------|----------|----------|------|-----------------------------------------|
| 28       | 100-6581    | 1    | Decal-Panel Tower              | 57       | 3272-10  | 2    | Pin-Cotter                              |
| 29       | 65-5100     | 1    | Handle-Door                    | 59       | 93-7252  | 1    | Decal-International                     |
| 30       | 46-8092     | 2    | Screw-Plastite                 | 60       | 92-5524  | 1    | Decal-Rating, Noise<br>(only on: 30242) |
| 31       | 105-3650    | 1    | Cable-Hood                     | 61       | 63-9920  | 1    | Decal-Level, Noise<br>(only on: 30242)  |
| 32       | 105-0088-03 | 1    | Bracket-Hood Cable             | 62       | 72-3560  | 2    | Decal (only on:<br>30242)               |
| 34       | 63-7300-01  | 1    | Fender-RH                      |          |          |      |                                         |
| 35       | 3290-412    | 12   | Rivet                          |          |          |      |                                         |
| 36       | 32128-20    | 4    | Nut-HF                         |          |          |      |                                         |
| 38       | 3256-14     | 14   | Washer-Flat                    |          |          |      |                                         |
| 39       | 92-5545-01  | 1    | Cover-Tower, Front             |          |          |      |                                         |
| 40       | 32128-44    | 3    | Nut (only on: 30242)           |          |          |      |                                         |
| 41       | 92-5753     | 3    | Clamp-Hose (only<br>on: 30242) |          |          |      |                                         |
| 42       | 322-5       | 7    | Screw-HH (only on:<br>30242)   |          |          |      |                                         |
| 42       | 322-5       | 4    | Screw-HH (only on:<br>30241)   |          |          |      |                                         |
| 43       | 62-5550     | 1    | Decal-Toro                     |          |          |      |                                         |
| 44       | 63-8050     | 1    | Box-Control                    |          |          |      |                                         |
| 45       | 66-8760     | 1    | Decal-Tower, LH                |          |          |      |                                         |
| 46       | 66-8770     | 1    | Decal-Tower, RH                |          |          |      |                                         |
| 50       | 3253-4      | 4    | Washer-Lock                    |          |          |      |                                         |
| 51       | 3256-23     | 4    | Washer-Flat                    |          |          |      |                                         |
| 53       | 3269-4      | 18   | Rivet-Pop                      |          |          |      |                                         |
| 55       | 105-3651    | 1    | Strip-Foam                     |          |          |      |                                         |
| 56       | 283-58      | 2    | Pin-Clevis                     |          |          |      |                                         |



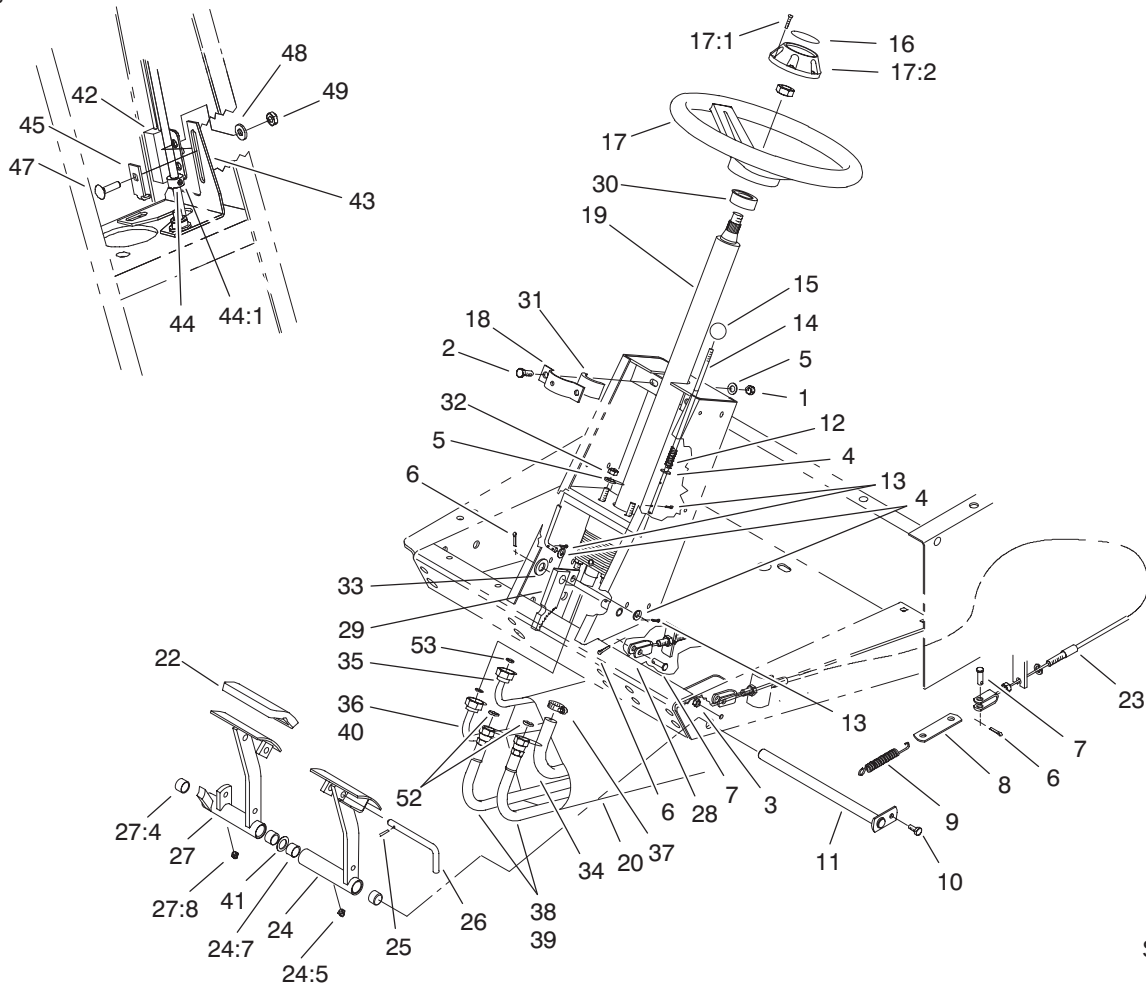


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# Control Panel Assembly

| Ref. No. | Part No.    | Qty. | Description           |
|----------|-------------|------|-----------------------|
| 1        | 104-3436-03 | 1    | Plate-Control         |
| 2        | 105-0054    | 1    | Decal-Control Panel   |
| 3        | 3256-1      | 4    | Washer-Flat           |
| 4        | 3274-65     | 4    | Screw-HSBH            |
| 5        | 98-9308     | 1    | Gauge-Temperature     |
| 5:1      | 3254-1      | 3    | Washer-Lock, Internal |
| 5:2      | 3217-27     | 3    | Nut-Hex               |
| 6        | 98-9339     | 1    | Gauge-Fuel            |
| 6:1      | 3254-1      | 3    | Washer-Lock, Internal |
| 6:2      | 3217-27     | 3    | Nut-Hex               |
| 12       | 98-9306     | 1    | Light-Warning         |
| 12:1     | 3254-1      | 1    | Washer-Lock, Internal |
| 12:2     | 3217-27     | 1    | Nut-Hex               |
| 17       | 66-2950     | 1    | Gauge-Hourmeter       |
| 17:1     | 3255-20     | 2    | Washer-Lock           |
| 17:2     | 3217-25     | 2    | Nut-Hex               |
| 21       | 85-4980     | 1    | Switch-PTO            |
| 21:1     | 3218-19     | 2    | Nut-HJ                |
| 21:2     | 3254-20     | 1    | Washer-Lock,Internal  |
| 24       | 104-2541    | 1    | Switch-Key            |
| 24:1     | 218-461     | 1    | Nut-HH                |
| 24:2     | 3254-5      | 1    | Washer-Lock, Internal |
| 27       | 63-8360     | 1    | Key-Ignition          |
| 28       | 100-8072    | 1    | Switch                |
| 29       | 105-0029    | 1    | Bracket-Controller    |
| 30       | 98-7611     | 1    | Controller-Glow       |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
| 32       | 98-9321  | 1    | Ring-Key    |
| 34       | 32105-13 | 1    | Screw-SHH   |
| 35       | 3296-12  | 1    | Nut-Lock    |

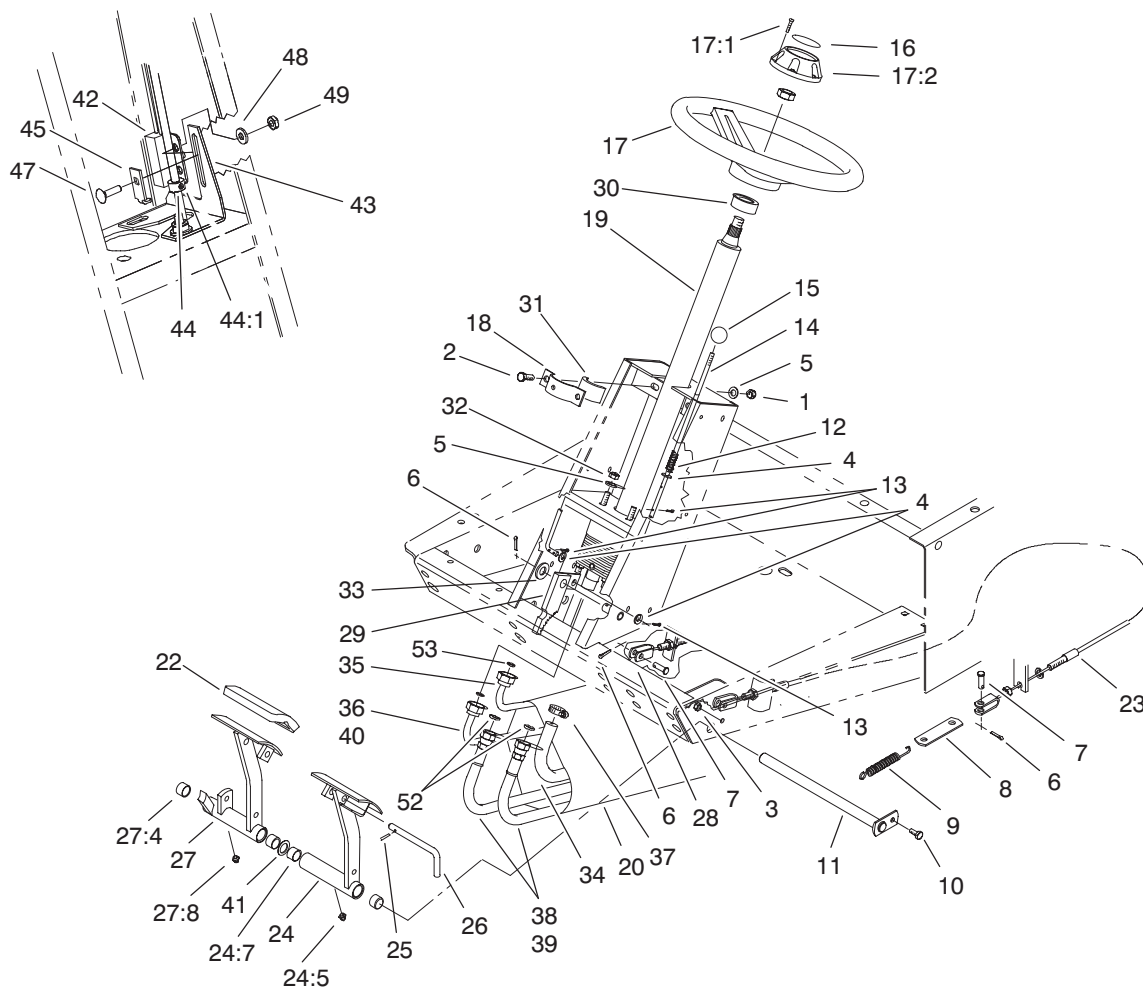


Sheet No.:4

## Power Steering and Brake Pedal Assembly

| Ref. No. | Part No.   | Qty. | Description         |
|----------|------------|------|---------------------|
| 1        | 3296-29    | 2    | Nut-Lock            |
| 2        | 322-5      | 2    | Screw-HH            |
| 3        | 3296-42    | 1    | Nut-Lock, NI        |
| 4        | 3256-22    | 3    | Washer-Flat         |
| 5        | 3256-23    | 6    | Washer-Flat         |
| 6        | 3272-10    | 5    | Pin-Cotter          |
| 7        | 283-58     | 4    | Pin-Clevis          |
| 8        | 63-6750    | 2    | Link-Brake Cable    |
| 9        | 3-7243     | 2    | Spring-Extension    |
| 10       | 321-3      | 1    | Screw-HH            |
| 11       | 63-6210-03 | 1    | Pin-Brake           |
| 12       | 95-1821-03 | 1    | Spring-Compression  |
| 13       | 3272-5     | 3    | Pin-Cotter          |
| 14       | 63-7910    | 1    | Rod-Parking Brake   |
| 15       | 233-17     | 1    | Knob                |
| 16       | 68-5370    | 1    | Decal-Toro          |
| 17       | 75-0560    | 1    | Wheel-Steering      |
| 17:1     | 32144-21   | 1    | Screw               |
| 17:2     | 68-5140    | 1    | Cap-Wheel, Steering |
| 18       | 84-7660    | 1    | Clamp - Column      |
| 19       | 92-7308    | 1    | Powersteering Unit  |
| 20       | 44-8530    | 1    | Protector-Sleeve    |
| 22       | 93-8742    | 2    | Footpad-Brake       |
| 23       | 63-7731    | 1    | Cable-Brake         |
| 24       | 63-6180    | 1    | Pedal-Brake, LH     |
| 24:5     | 256-42     | 2    | Bushing             |

| Ref. No. | Part No.   | Qty. | Description                         |
|----------|------------|------|-------------------------------------|
| 24:7     | 302-5      | 1    | Fitting-Grease                      |
| 25       | 32121-50   | 1    | Pin-Spring                          |
| 26       | 63-7880    | 1    | Pin-Latch, Brake                    |
| 27       | 63-6190    | 1    | Pedal-Brake, RH                     |
| 27:4     | 256-42     | 2    | Bushing                             |
| 27:8     | 302-5      | 1    | Fitting-Grease                      |
| 28       | 63-7730    | 1    | Cable-Brake                         |
| 29       | 63-7900-03 | 1    | Rack                                |
| 30       | 21-9260    | 1    | Cover-Dust                          |
| 31       | 84-7670    | 2    | Foam - Column Support               |
| 32       | 3296-20    | 4    | Nut-Lock, NI                        |
| 33       | 3256-26    | 1    | Washer-Flat                         |
| 34       | 66-8140    | 1    | Hose-Hydraulic                      |
| 35       | 66-8630    | 1    | Tube-Hydraulic                      |
| 36       | 66-8620    | 1    | Tube-Hydraulic                      |
| 37       | 2412-36    | 1    | Clamp-Hose                          |
| 38       | 66-8170    | 2    | Hydraulic Hose ASM (only on: 30241) |
| 39       | 92-5080    | 1    | Hose ASM (only on: 30242)           |
| 40       | 92-5081    | 1    | Hose ASM (only on: 30242)           |
| 41       | 3256-69    | 2    | Washer-Flat                         |
| 42       | 105-0023   | 1    | Switch-Proximity                    |



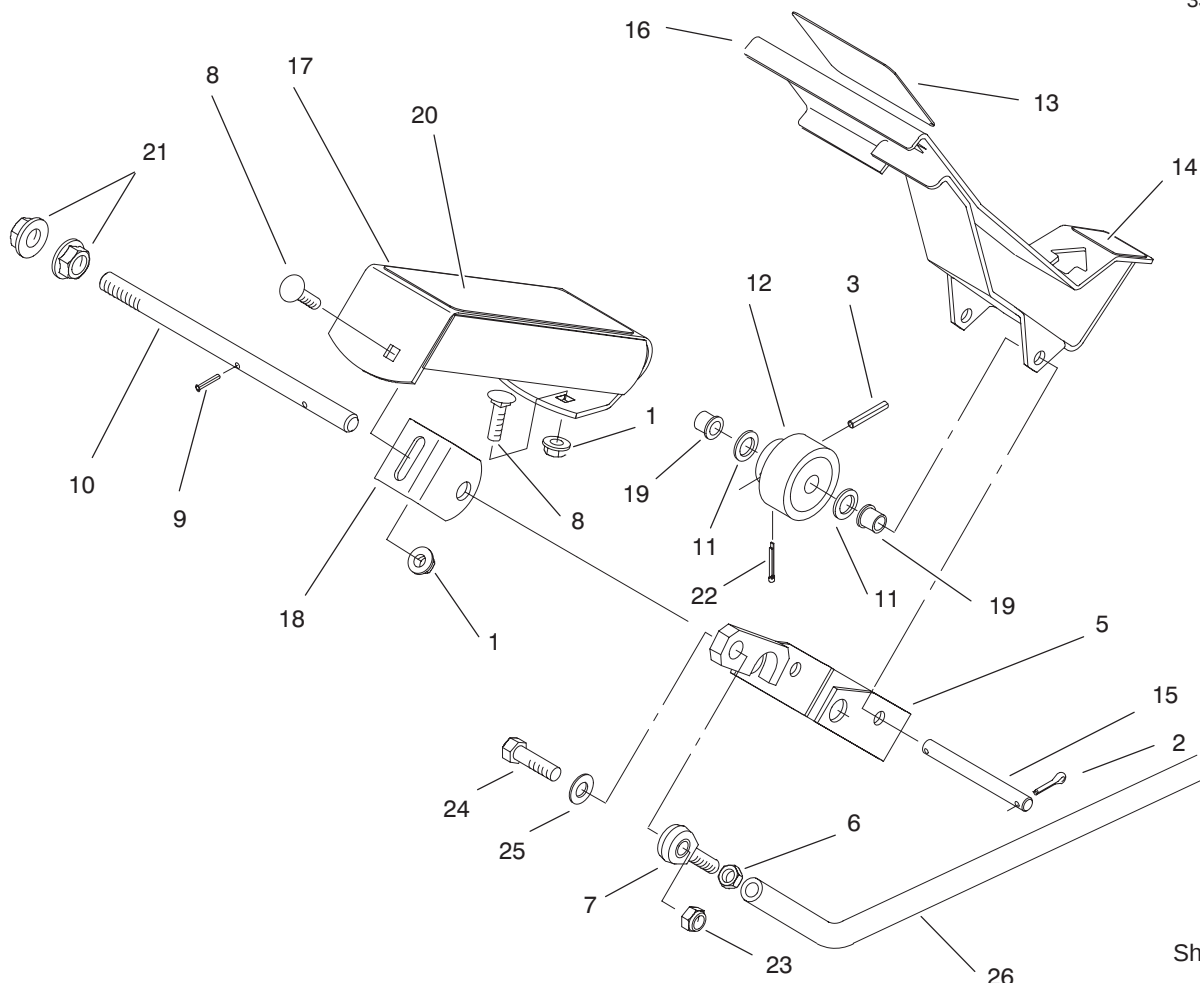
Sheet No.:4

## Power Steering and Brake Pedal Assembly (Contiued)

| Ref. No. | Part No.    | Qty. | Description             |
|----------|-------------|------|-------------------------|
| 43       | 104-3423-03 | 1    | Bracket-, Sensor, Brake |
| 44       | 105-0021    | 1    | Collar-Set Screw        |
| 44:1     | 3245-42     | 1    | Screw-Set               |
| 45       | 100-4872    | 1    | Plate-Switch, Neutral   |
| 47       | 104-1450    | 1    | Bolt-CARR               |
| 48       | 3256-14     | 1    | Washer-Flat             |
| 49       | 3296-2      | 1    | Nut-Lock                |
| 52       | 237-30      | 2    | O-Ring                  |
| 53       | 237-22      | 2    | O-Ring                  |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



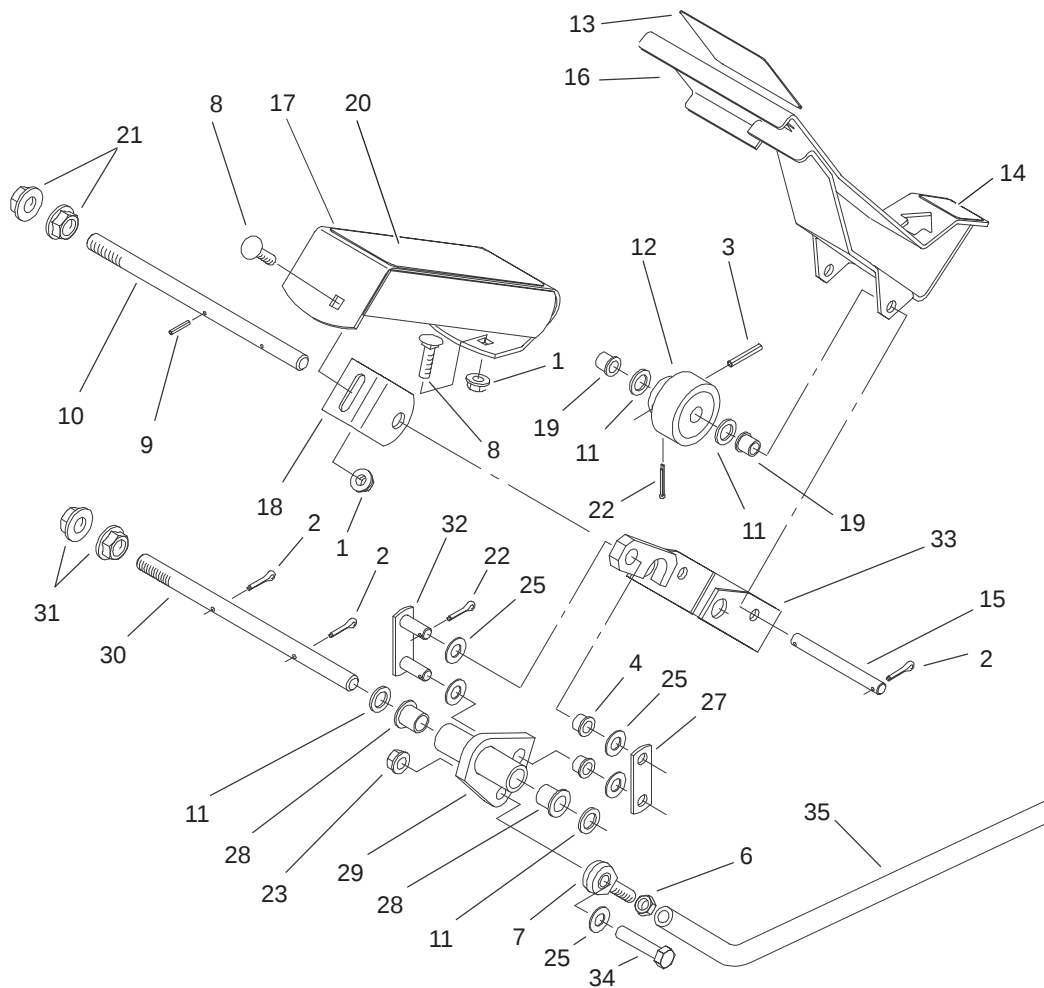


Sheet No.:5

## 2 Wheel Drive Traction Pedal Assembly (only on: 30241)

| Ref. No. | Part No.   | Qty. | Description            |
|----------|------------|------|------------------------|
| 1        | 32128-44   | 2    | Nut                    |
| 2        | 3272-10    | 2    | Pin-Cotter             |
| 3        | 32121-6    | 1    | Pin-Rol                |
| 5        | 92-8854-03 | 1    | Bracket-Pivot          |
| 6        | 3220-3     | 1    | Nut-Jam                |
| 7        | 2411-36    | 1    | Bearing-End, Rod       |
| 8        | 3230-2     | 2    | Screw-CARR             |
| 9        | 32121-50   | 1    | Pin-Spring             |
| 10       | 92-5534    | 1    | Shaft - Traction Pedal |
| 11       | 5-7570     | 2    | Washer-Flat            |
| 12       | 28-5220    | 1    | Wheel ASM-Friction     |
| 13       | 94-3307    | 1    | Pad - Traction Pedal   |
| 14       | 94-3308    | 1    | Pad - Traction Pedal   |
| 15       | 92-5537    | 1    | Pin - Traction Pedal   |
| 16       | 94-3591-03 | 1    | Support-Pedal          |
| 17       | 92-5514-01 | 1    | Footrest               |
| 18       | 92-5077    | 1    | Bracket-Footrest       |
| 19       | 256-156    | 2    | Bushing-Flange         |
| 20       | 92-5750    | 1    | Pad-Footrest           |
| 21       | 32128-56   | 2    | Nut-HF                 |
| 22       | 3272-6     | 1    | Pin-Cotter             |
| 23       | 3296-39    | 1    | Nut-Lock, NI           |
| 24       | 323-29     | 1    | Screw-H                |
| 25       | 3256-24    | 1    | Washer-Flat            |
| 26       | 63-6410-03 | 1    | Tube-Pump, Control     |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

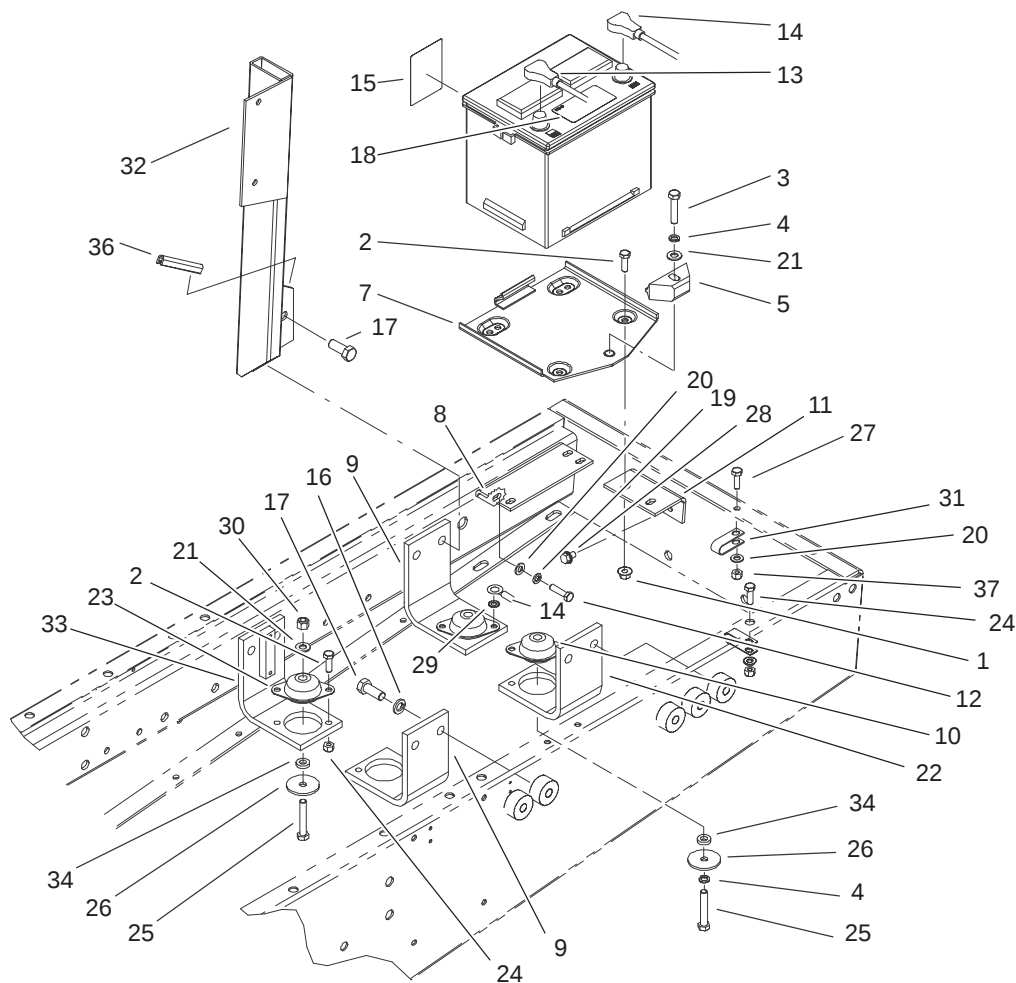


Sheet No.:6

## 4 Wheel Drive Traction Pedal Assembly (only on: 30242)

| Ref. No. | Part No.   | Qty. | Description            |
|----------|------------|------|------------------------|
| 1        | 32128-44   | 2    | Nut                    |
| 2        | 3272-10    | 4    | Pin-Cotter             |
| 3        | 32121-6    | 1    | Pin-Roll               |
| 4        | 256-116    | 2    | Bushing-Flange         |
| 6        | 3220-3     | 1    | Nut-Jam                |
| 7        | 2411-36    | 1    | Bearing-End, Rod       |
| 8        | 3230-2     | 2    | Screw-CARR             |
| 9        | 32121-50   | 1    | Pin-Spring             |
| 10       | 92-5534    | 1    | Shaft - Traction Pedal |
| 11       | 5-7570     | 4    | Washer-Flat            |
| 12       | 28-5220    | 1    | Wheel ASM-Friction     |
| 13       | 94-3307    | 1    | Pad - Traction Pedal   |
| 14       | 94-3308    | 1    | Pad - Traction Pedal   |
| 15       | 92-5537    | 1    | Pin - Traction Pedal   |
| 16       | 94-3591-03 | 1    | Support-Pedal          |
| 17       | 92-5514-01 | 1    | Footrest               |
| 18       | 92-5077    | 1    | Bracket-Footrest       |
| 19       | 256-156    | 2    | Bushing-Flange         |
| 20       | 92-5750    | 1    | Pad-Footrest           |
| 21       | 32128-56   | 2    | Nut-HF                 |
| 22       | 3272-6     | 3    | Pin-Cotter             |
| 23       | 3296-39    | 1    | Nut-Lock, NI           |
| 25       | 3256-24    | 5    | Washer-Flat            |
| 27       | 92-5721    | 1    | Link - Traction        |
| 28       | 256-219    | 2    | Bushing                |
| 29       | 92-5094-03 | 1    | Arm-Traction           |

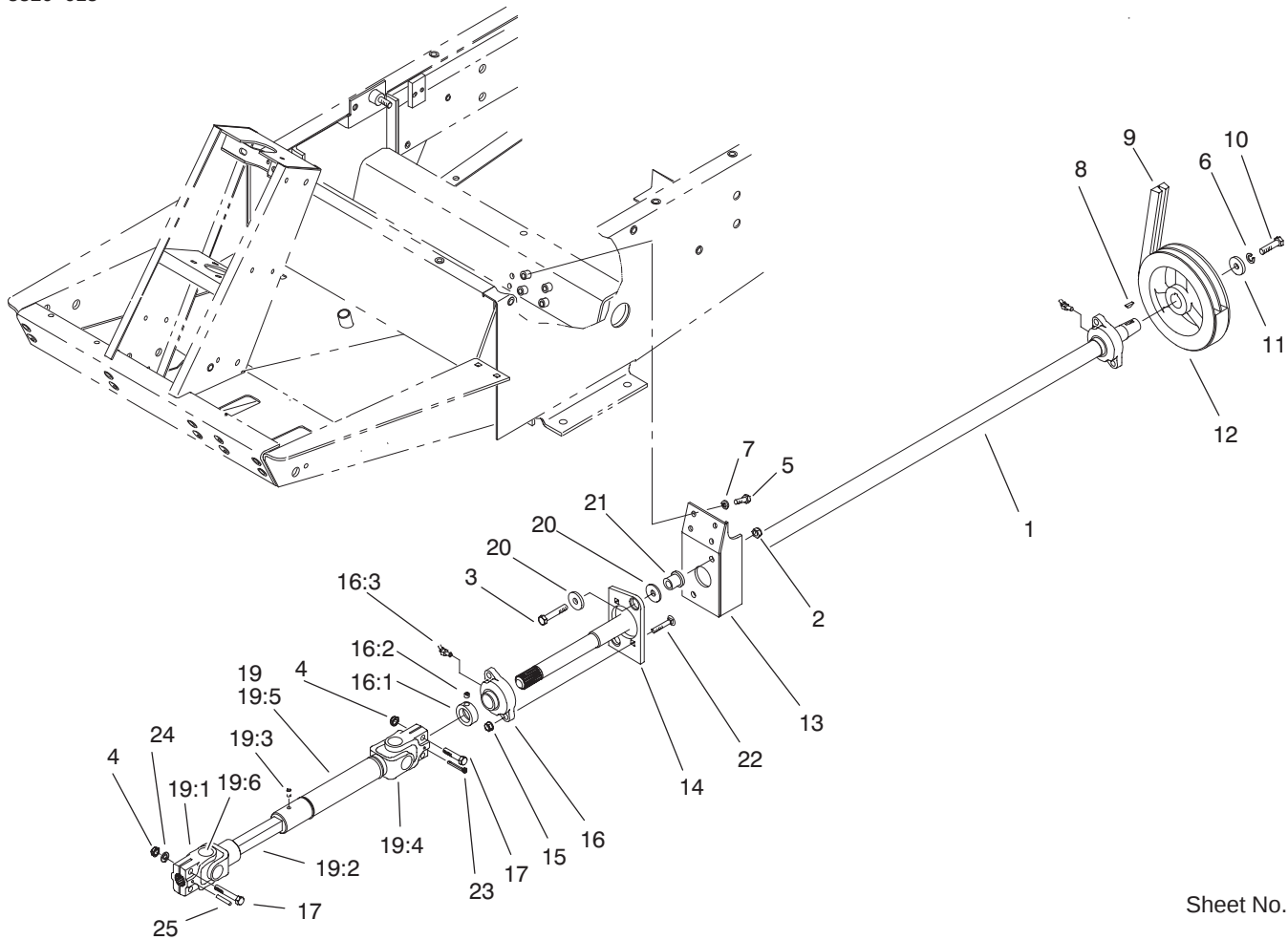
| Ref. No. | Part No.   | Qty. | Description            |
|----------|------------|------|------------------------|
| 30       | 92-5075    | 1    | Shaft - Traction Pedal |
| 31       | 32128-49   | 2    | Nut-HHF                |
| 32       | 92-5532    | 1    | Link-Traction          |
| 33       | 92-5093-03 | 1    | Pivot Arm              |
| 34       | 323-9      | 1    | Screw-HH               |
| 35       | 92-5536-03 | 1    | Tube-Control, Pump     |



Sheet No.:7

## Battery and Engine Mount Assembly

| Ref. No. | Part No.   | Qty. | Description             | Ref. No. | Part No.    | Qty. | Description           |
|----------|------------|------|-------------------------|----------|-------------|------|-----------------------|
| 1        | 32128-20   | 3    | Nut-HF                  | 25       | 323-11      | 4    | Screw-HH              |
| 2        | 322-5      | 11   | Screw-HH                | 26       | 63-7400     | 4    | Washer-Rebound        |
| 3        | 323-9      | 1    | Screw-HH                | 27       | 3274-96     | 3    | Screw-HSBH            |
| 4        | 3253-21    | 2    | Washer-Lock             | 28       | 3234-30     | 2    | Screw-HHF             |
| 5        | 66-2490    | 1    | Retainer-Battery        | 29       | 3255-8      | 1    | Washer-Lock/Ext       |
| 7        | 94-7343    | 1    | Battery Base ASM        | 30       | 3296-39     | 3    | Nut-Lock, NI          |
| 8        | 95-1592-03 | 1    | Angle-Base, Battery     | 31       | 98-3883     | 3    | Clamp-Wire            |
| 9        | 95-6270-03 | 2    | Bracket-Engine Mount    | 32       | 105-2513-03 | 1    | Air Cleaner Mount ASM |
| 10       | 63-7141    | 1    | Mount-Shock, Engine     | 33       | 105-4280-03 | 1    | Engine Bracket ASM    |
| 11       | 95-1599-03 | 1    | Bracket-Base, Battery   | 34       | 80-7730     | 4    | Spacer                |
| 12       | 322-6      | 2    | Screw-HH                | 36       | 43-4300     | 1    | Trim-Frame, Rear      |
| 13       | 104-0086   | 1    | Cable-Battery, Positive | 37       | 33024-00    | 3    | Nut-Lock, NI          |
| 14       | 105-0040   | 1    | Cable-Battery, Negative |          |             |      |                       |
| 15       | 93-6668    | 1    | Decal-Battery           |          |             |      |                       |
| 16       | 3253-7     | 8    | Washer-Lock             |          |             |      |                       |
| 17       | 3213-2     | 8    | Screw-HH                |          |             |      |                       |
| 18       | 93-7276    | 1    | Decal-Danger            |          |             |      |                       |
| 19       | 3253-4     | 2    | Washer-Lock             |          |             |      |                       |
| 20       | 3256-23    | 5    | Washer-Flat             |          |             |      |                       |
| 21       | 3256-24    | 4    | Washer-Flat             |          |             |      |                       |
| 22       | 95-6271-03 | 1    | Bracket-Mount, Engine   |          |             |      |                       |
| 23       | 63-7142    | 3    | Mount-Shock, Engine     |          |             |      |                       |
| 24       | 3296-29    | 8    | Nut-Lock                |          |             |      |                       |



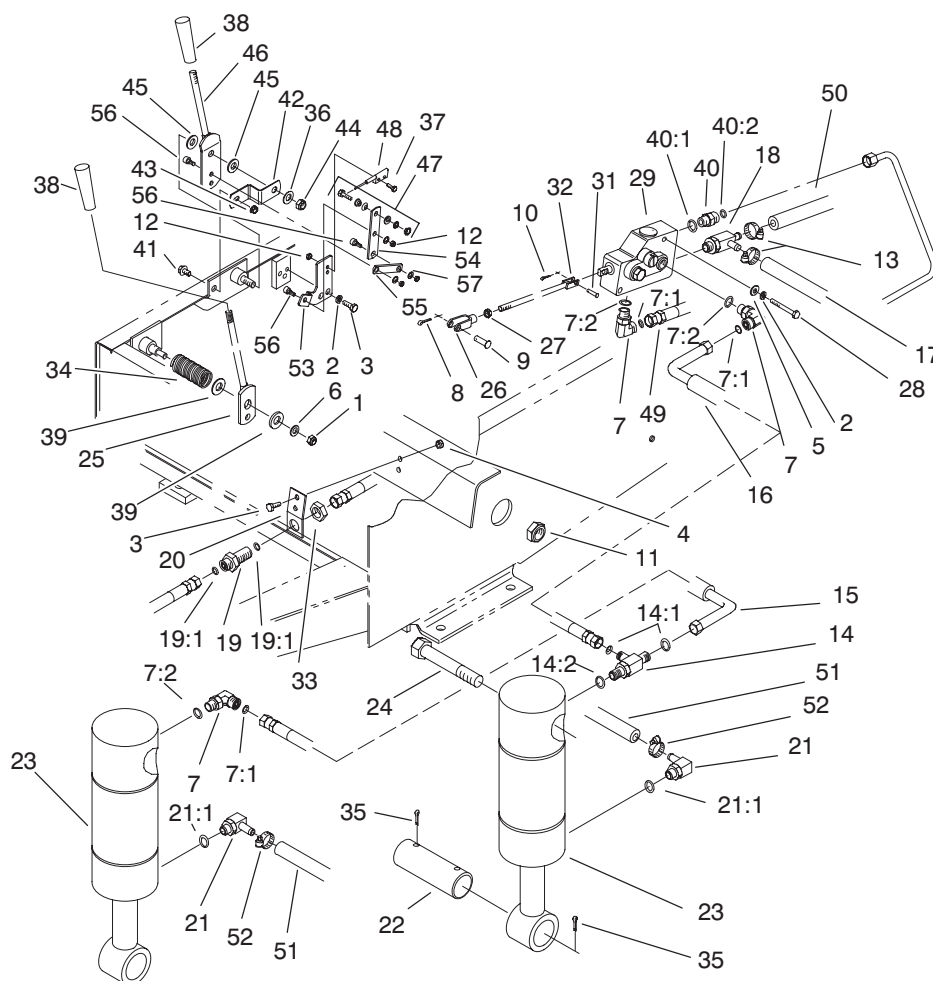
Sheet No.:8

## PTO and Shaft Assembly

| Ref. No. | Part No.   | Qty. | Description           |
|----------|------------|------|-----------------------|
| 1        | 92-8855-03 | 1    | PTO Shaft             |
| 2        | 3296-39    | 2    | Nut-Lock, NI          |
| 3        | 323-10     | 2    | Screw-HH              |
| 4        | 3296-29    | 5    | Nut-Lock              |
| 5        | 322-5      | 4    | Screw-HH              |
| 6        | 3253-21    | 1    | Washer-Lock           |
| 7        | 3253-4     | 4    | Washer-Lock           |
| 8        | 3257-5     | 1    | Key-Woodruff          |
| 9        | 63-6240    | 1    | V-Belt, PTO           |
| 10       | 323-18     | 1    | Screw-HH              |
| 11       | 29-4730    | 1    | Washer-Flat           |
| 12       | 43-5320-03 | 1    | Masked PTO Pulley     |
| 13       | 92-8751-03 | 1    | Bracket-Bearing, PTO  |
| 14       | 84-7580    | 1    | Plate-Bushing Support |
| 15       | 32149-1    | 2    | Nut                   |
| 16       | 92-8799    | 1    | Bearing-Flange        |
| 16:1     | 251-77     | 1    | Bearing-Lockcollar    |
| 16:2     | 3246-1     | 1    | Screw-Set             |
| 16:3     | 302-40     | 1    | Fitting-Grease        |
| 17       | 322-9      | 4    | Screw-HH              |
| 19       | 54-7950    | 1    | Universal Shaft       |
| 19:1     | 54-9040    | 1    | Yoke-End              |
| 19:2     | 54-9050    | 1    | Slip Yoke Shaft       |
| 19:3     | 302-58     | 1    | Fitting-Grease        |
| 19:4     | 54-9090    | 1    | Yoke-End              |

| Ref. No. | Part No.   | Qty. | Description    |
|----------|------------|------|----------------|
| 19:5     | 54-9170-01 | 1    | Slip Yoke Tube |
| 19:6     | 54-9180    | 2    | U-Joint Kit    |
| *19:6:1  | 62-3820    | 1    | Fitting-Grease |
| 20       | 63-8410    | 4    | Washer         |
| 21       | 63-9750    | 2    | Mount          |
| 22       | 3230-4     | 2    | Screw-CARR     |
| 23       | 3272-15    | 1    | Pin-Cotter     |
| 24       | 3256-23    | 1    | Washer-Flat    |
| 25       | 32121-34   | 1    | Pin-Roll       |

\* Not illustrated

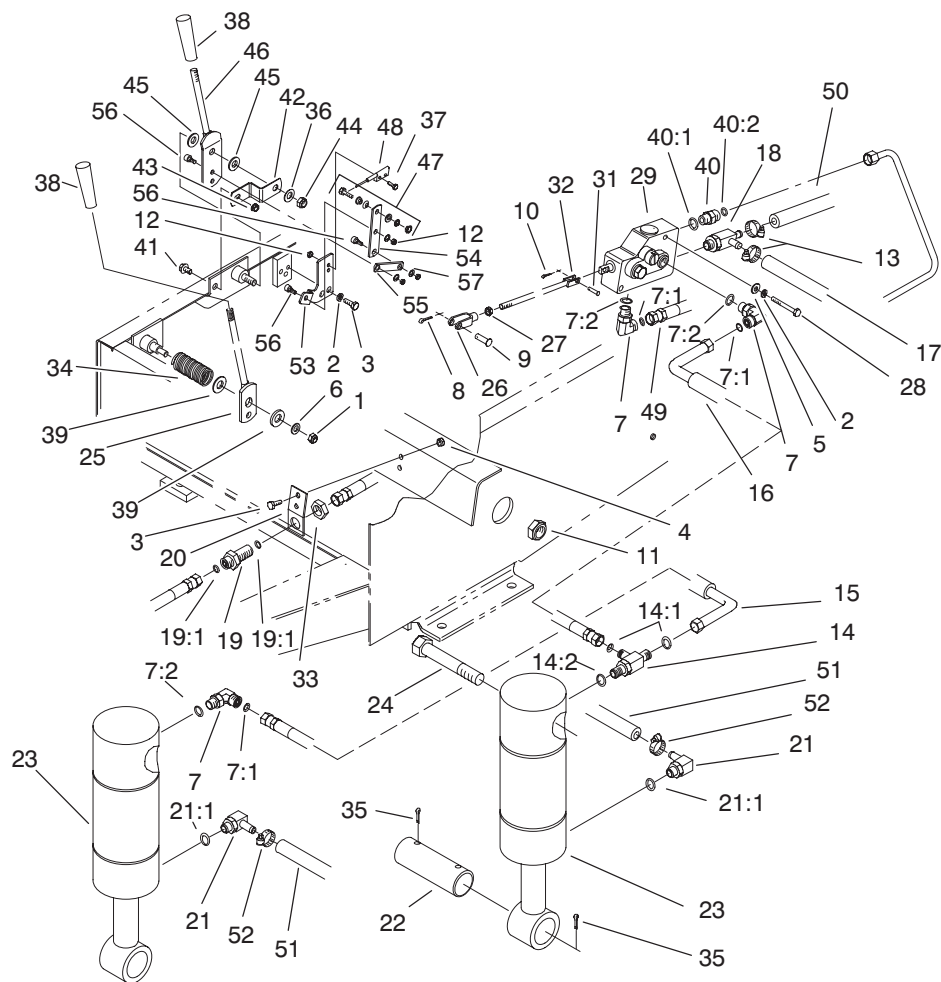


Sheet No.:9

## Hydraulic Lift and Throttle Assembly

| Ref. No. | Part No. | Qty. | Description                | Ref. No. | Part No.   | Qty. | Description          |
|----------|----------|------|----------------------------|----------|------------|------|----------------------|
| 1        | 3296-29  | 1    | Nut-Lock                   | 20       | 63-7410    | 1    | Bracket-Bulkhead     |
| 2        | 3253-3   | 4    | Washer-Lock                | 21       | 304-99     | 2    | Stem-Hose            |
| 3        | 321-4    | 4    | Screw-HH                   | 21:1     | 237-78     | 1    | O-Ring               |
| 4        | 3296-42  | 2    | Nut-Lock, NI               | 22       | 27-4240    | 2    | Cylinder Pin         |
| 5        | 3256-22  | 2    | Washer-Flat                | 23       | 63-6630    | 2    | Cylinder - Hydraulic |
| 6        | 3256-23  | 1    | Washer-Flat                | 24       | 3216-3     | 2    | Screw-HH             |
| 7        | 340-77   | 3    | Fitting-HYD, 90°           | 25       | 66-2720-03 | 1    | Lever-Valve          |
| 7:1      | 237-22   | 2    | O-Ring                     | 26       | 282-27     | 1    | Clevis               |
| 7:2      | 237-42   | 2    | O-Ring                     | 27       | 3220-2     | 1    | Nut                  |
| 8        | 3272-10  | 1    | Pin-Cotter                 | 28       | 321-11     | 2    | Screw-HH             |
| 9        | 283-58   | 1    | Pin-Clevis                 | 29       | 63-7960    | 1    | Lift Valve           |
| 10       | 3272-5   | 1    | Pin-Cotter                 | 31       | 283-16     | 1    | Pin-Clevis           |
| 11       | 3296-15  | 2    | Nut-Lock NI                | 32       | 76-4830-03 | 1    | Rod-Valve            |
| 12       | 3296-12  | 4    | Nut-Lock                   | 33       | 340-70     | 1    | Locknut-Bulkhead     |
| 13       | 2412-36  | 2    | Clamp-Hose                 | 34       | 70-7530    | 1    | Spring - Compression |
| 14       | 340-86   | 1    | Fitting-Tee, HYD           | 35       | 3272-23    | 4    | Pin-Cotter           |
| 14:1     | 237-22   | 2    | O-Ring                     | 36       | 3256-24    | 1    | Washer-Flat          |
| 14:2     | 237-42   | 1    | O-Ring                     | 37       | 32105-12   | 1    | Screw                |
| 15       | 66-8190  | 1    | Hydraulic Hose ASM         | 38       | 233-39     | 2    | Knob-Control         |
| 16       | 66-8640  | 1    | Hydraulic Hose ASM         | 39       | 3256-26    | 2    | Washer-Flat          |
| 17       | 66-8150  | 1    | Hydraulic Hose             | 40       | 82-8530    | 1    | Fitting-HYD, Special |
| 18       | 66-3130  | 1    | Fitting-Special            | 40:1     | 237-42     | 1    | O-Ring               |
| *18:1    | 237-65   | 1    | O-Ring                     | 40:2     | 237-22     | 1    | O-Ring               |
| 19       | 340-71   | 1    | Fitting-Straight, Bulkhead | 41       | 3234-13    | 1    | Screw-HHF            |
| 19:1     | 237-22   | 2    | O-Ring                     | 42       | 66-2670    | 1    | Bracket-Throttle     |
|          |          |      |                            | 43       | 32128-33   | 1    | Nut-HF               |

\* Not illustrated

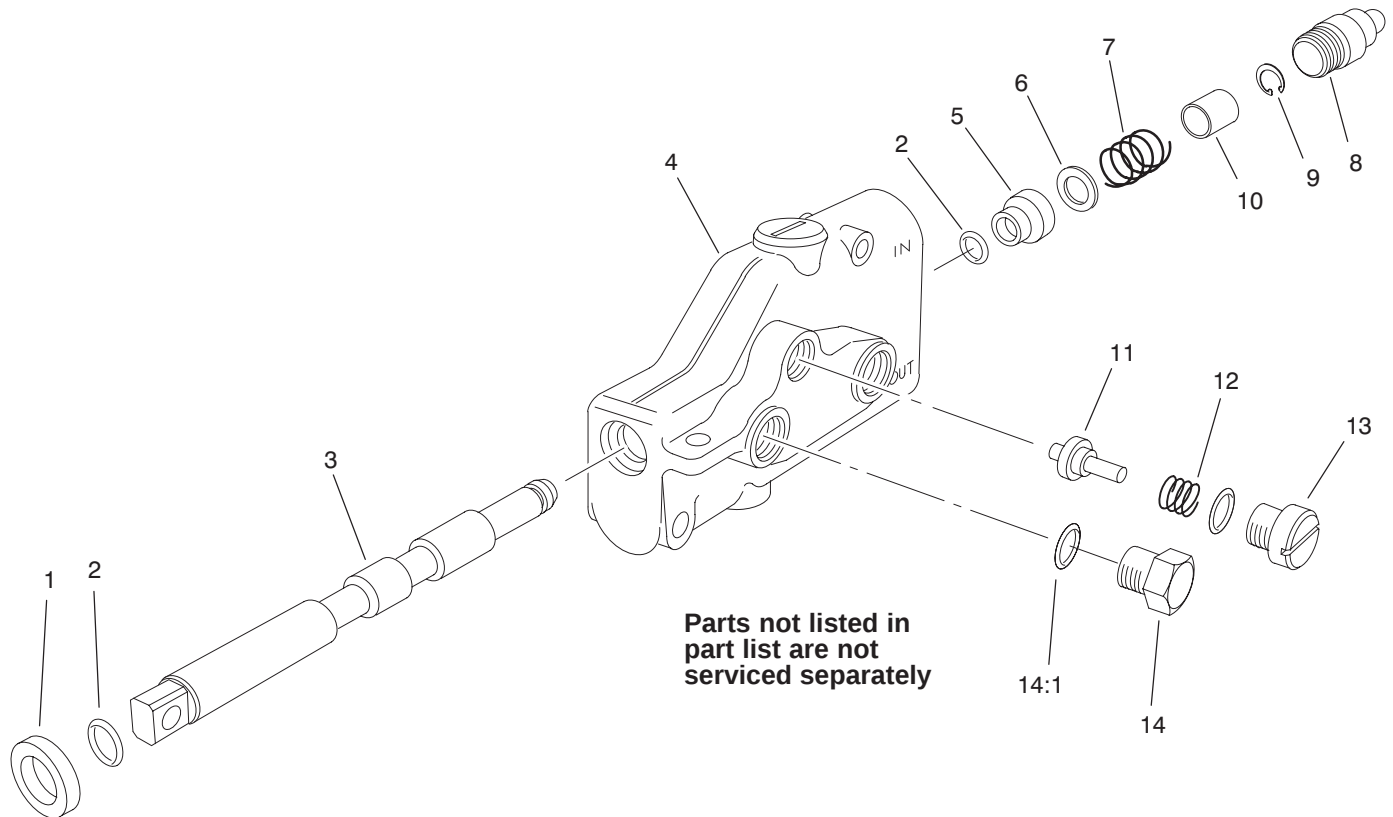


Sheet No.:9

## Hydraulic Lift and Throttle Assembly (Continued)

| Ref. No. | Part No.   | Qty. | Description                 |
|----------|------------|------|-----------------------------|
| 44       | 3296-39    | 1    | Nut-Lock, NI                |
| 45       | 66-2920    | 2    | Washer-Friction             |
| 46       | 71-3500-03 | 1    | Throttle Lever ASM          |
| 47       | 63-6760    | 1    | Connector Fitting           |
| 48       | 105-4288   | 1    | Cable-Throttle              |
| 49       | 105-0018   | 1    | Hydraulic Hose ASM          |
| 50       | 105-0019   | 1    | Hydraulic Hose ASM          |
| 51       | 92-5082    | 2    | Hydraulic Hose              |
| 52       | 2412-108   | 2    | Clamp-Worm                  |
| 53       | 94-6968    | 1    | Bracket-Bellcrank, Throttle |
| 54       | 94-9421    | 1    | Bellcrank-Throttle          |
| 55       | 94-9420    | 1    | Link-Throttle               |
| 56       | 94-9422    | 3    | Screw-Shoulder              |
| 57       | 3256-51    | 3    | Washer-Flat                 |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



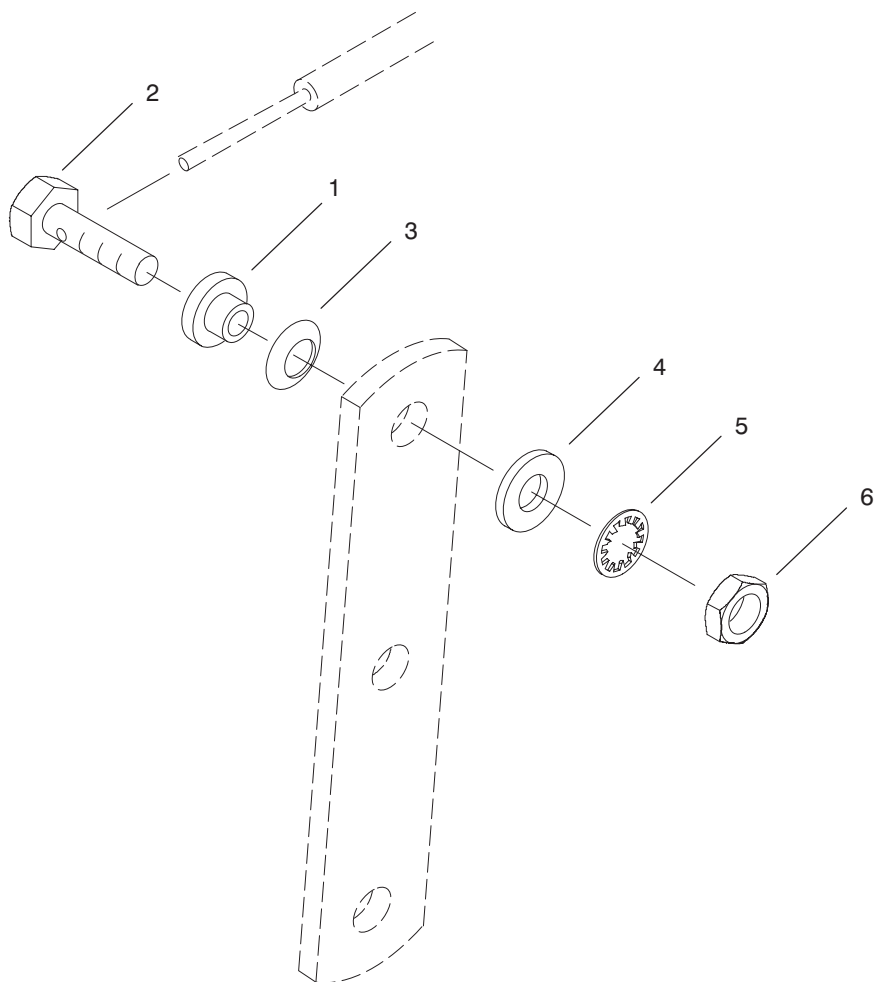
Sheet No.:A3

T-0532

# Lift Valve Assembly No. 63-7960

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
| 1        | 58-6320  | 1    | Wiper       |
| 2        | 58-6450  | 2    | O-Ring      |
| 5        | 58-6400  | 1    | Bushing     |
| 6        | 65-2770  | 1    | Washer      |
| 7        | 65-2950  | 1    | Spring      |
| 8        | 58-6420  | 1    | Cap         |
| 9        | 58-6460  | 1    | Ring        |
| 10       | 65-2740  | 1    | Spacer      |
| 11       | 65-2750  | 1    | Plunger     |
| 12       | 65-2760  | 1    | Spring      |
| 13       | 65-2930  | 1    | Plug ASM    |
| 14       | 353-508  | 1    | Plug        |
| 14:1     | 237-42   | 1    | O-Ring      |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



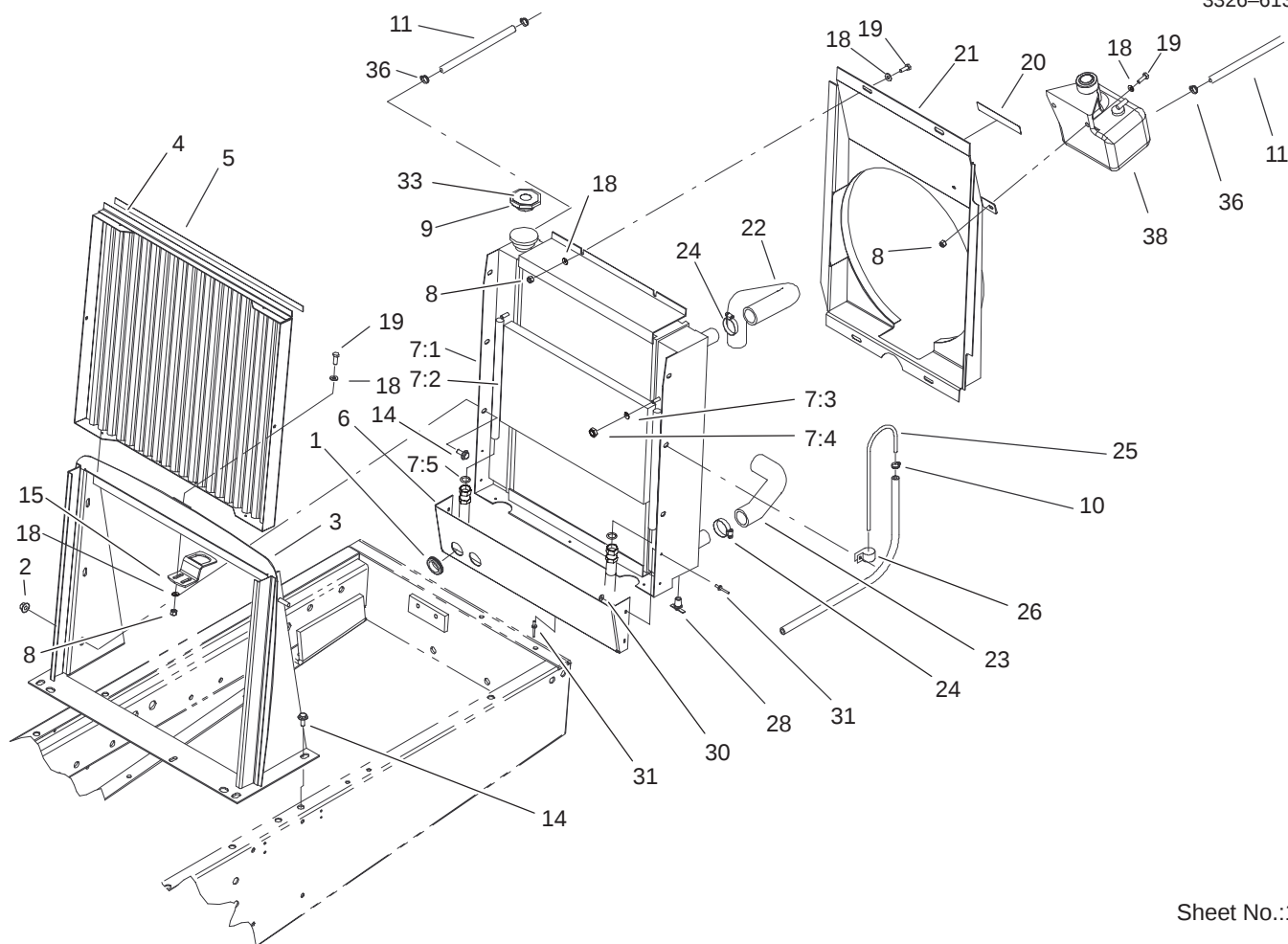
Sheet No.:A4

T-3791

## Connector Fitting Assembly No. 63-6760

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 1        | 67-5100  | 1    | Connector Sleeve    |
| 2        | 67-5110  | 1    | Special Screw       |
| 3        | 67-5120  | 1    | Spring Washer       |
| 4        | 67-5130  | 1    | Flat Washer         |
| 5        | 67-5140  | 1    | Internal Lockwasher |
| 6        | 67-5150  | 1    | Hex Nut             |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



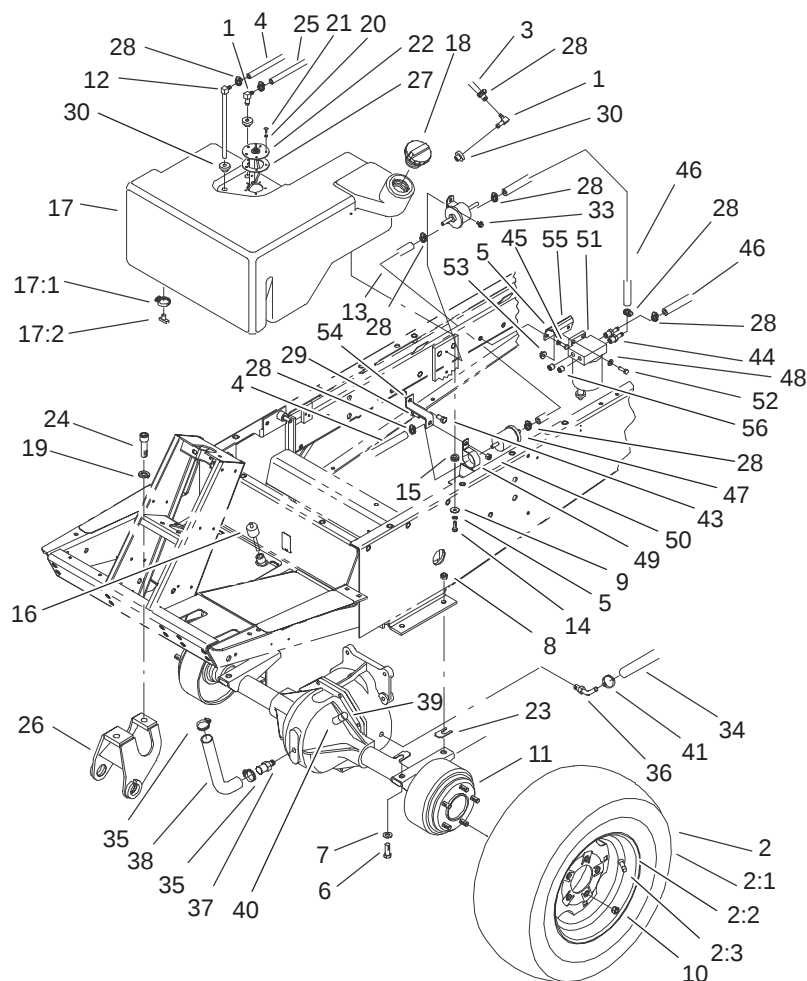
Sheet No.:10

## Radiator Assembly

| Ref. No. | Part No.    | Qty. | Description             |
|----------|-------------|------|-------------------------|
| 1        | 240-4       | 2    | Grommet                 |
| 2        | 32128-20    | 6    | Nut-HF                  |
| 3        | 104-3489-03 | 1    | Radiator Supt ASM       |
| 4        | 104-1727-03 | 1    | Screen ASM              |
| 5        | 63-7710     | 1    | Strip-Magnetic          |
| 6        | 105-0041-03 | 1    | Shield-Radiator, Bottom |
| ☆7       |             | 1    | Radiator/Oil Cooler ASM |
| 7:1      | 105-4289    | 1    | Radiator                |
| 7:2      | 105-4290    | 1    | Cooler-Oil              |
| 7:3      | 3253-4      | 4    | Washer-Lock             |
| 7:4      | 3217-6      | 4    | Nut-Hex                 |
| 7:5      | 237-22      | 2    | O-Ring                  |
| 8        | 3296-42     | 8    | Nut-Lock, NI            |
| 9        | 66-3240     | 1    | Cap-Radiator            |
| 10       | 2412-108    | 1    | Clamp-Worm              |
| 11       | 71-3384     | 2    | Fuel Hose               |
| 14       | 3234-5      | 8    | Screw                   |
| 15       | 98-9316     | 1    | Latch-Hood              |
| 18       | 3256-22     | 14   | Washer-Flat             |
| 19       | 321-4       | 8    | Screw-HH                |
| 20       | 93-7272     | 1    | Decal-Warning           |
| 21       | 105-4261-03 | 1    | Fan Shroud ASM          |
| 22       | 104-3443    | 1    | Hose-Radiator, Upper    |
| 23       | 104-3442    | 1    | Hose-Radiator, Lower    |

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 24       | 2412-34  | 4    | Clamp-Hose          |
| 25       | 66-3180  | 1    | Tube-Vent           |
| 26       | 2412-103 | 2    | Clamp               |
| 28       | 304-46   | 1    | Draincock           |
| 30       | 3269-10  | 2    | Washer-Back         |
| 31       | 3269-13  | 5    | Rivet-Pop           |
| 33       | 93-7840  | 1    | Decal-Cap, Radiator |
| 36       | 92-2379  | 3    | Clamp-Hose          |
| 38       | 93-5642  | 1    | Reservoir - Coolant |

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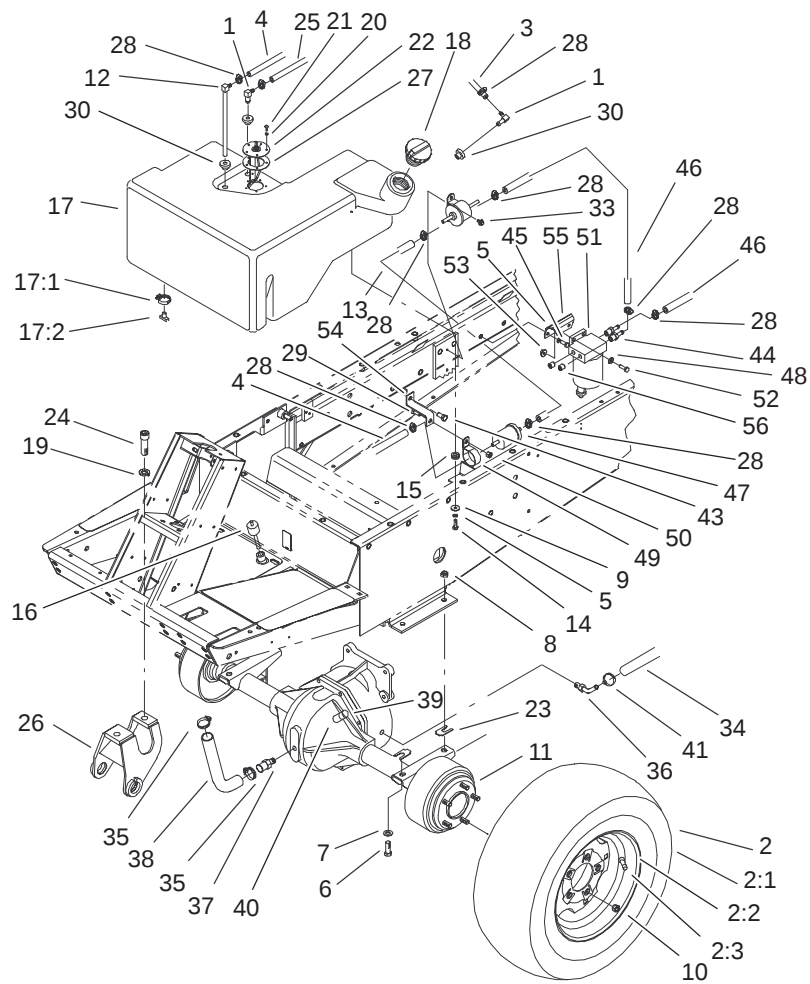
Sheet No.:11

## Fuel Tank and Front Axle Assembly

| Ref. No. | Part No.   | Qty. | Description                     |
|----------|------------|------|---------------------------------|
| 1        | 94-6765    | 2    | Fitting-90° Barbed              |
| ☆2       |            | 2    | Tire ASM                        |
| 2:1      | 95-3348    | 1    | Tire                            |
| 2:2      | 217-117    | 1    | Wheel ASM                       |
| 2:3      | 232-27     | 1    | Stem-Valve                      |
| 3        | 94-4522    | 1    | Hose - Breather                 |
| 4        | 63-7630    | 1    | Hose                            |
| 5        | 3253-3     | 5    | Washer-Lock                     |
| 6        | 324-5      | 4    | Screw-HH                        |
| 7        | 3256-25    | 4    | Washer-Flat                     |
| 8        | 3296-48    | 4    | Nut-Lock NI                     |
| 9        | 3256-67    | 3    | Washer-Flat                     |
| 10       | 23-7270    | 10   | Nut-Wheel                       |
| 11       | 86-9640-03 | 1    | Front Axle ASM (only on: 30241) |
| 11       | 92-2377-03 | 1    | Front Axle ASM (only on: 30242) |
| 12       | 66-8120    | 1    | Standpipe                       |
| 13       | 63-7622    | 1    | Hose-Fuel                       |
| 14       | 321-5      | 3    | Screw-HH                        |
| 15       | 237-136    | 3    | Grommet                         |
| 16       | 66-3060    | 1    | Dipstick                        |
| 17       | 98-5001    | 1    | Tank - Fuel                     |
| 17:1     | 2412-36    | 1    | Clamp-Hose                      |
| 17:2     | 304-46     | 1    | Draincock                       |
| 18       | 93-3102    | 1    | Cap-Fuel                        |

| Ref. No. | Part No.   | Qty. | Description            |
|----------|------------|------|------------------------|
| 19       | 3253-8     | 4    | Washer-Lock            |
| 20       | 3253-15    | 5    | Washer-Lock/Sp         |
| 21       | 32122-24   | 5    | Screw-Pth              |
| 22       | 63-7640    | 1    | Sender-Fuel            |
| 23       | 42-6080    | 1    | Shim-Axle              |
| 24       | 3273-38    | 4    | Screw-HSH              |
| 25       | 105-0020   | 1    | Hose-Fuel Line, Return |
| 26       | 98-2328-03 | 2    | Bracket-Carrier        |
| 27       | 62-7650    | 1    | Gasket                 |
| 28       | 2412-108   | 7    | Clamp-Worm             |
| 29       | 322-3      | 1    | Screw-HH               |
| 30       | 46-6560    | 3    | Bushing                |
| 33       | 3234-26    | 2    | Screw                  |
| 34       | 92-5083    | 1    | Hose-Hydraulic         |
| 35       | 2412-34    | 2    | Clamp-Hose             |
| 36       | 92-5088    | 1    | Fitting-45°, Barbed    |
| 37       | 354-71     | 1    | Fitting-HYD, Barbed    |
| 38       | 77-0550    | 1    | Hose-Differential Fill |
| 39       | 2810-1     | 1    | Coupling               |
| 40       | 289-6      | 1    | Nipple-Pipe            |
| 41       | 2412-119   | 1    | Clamp-Worm             |
| 43       | 323-4      | 1    | Screw-HH               |
| 44       | 353-783    | 2    | Fitting-Pump           |

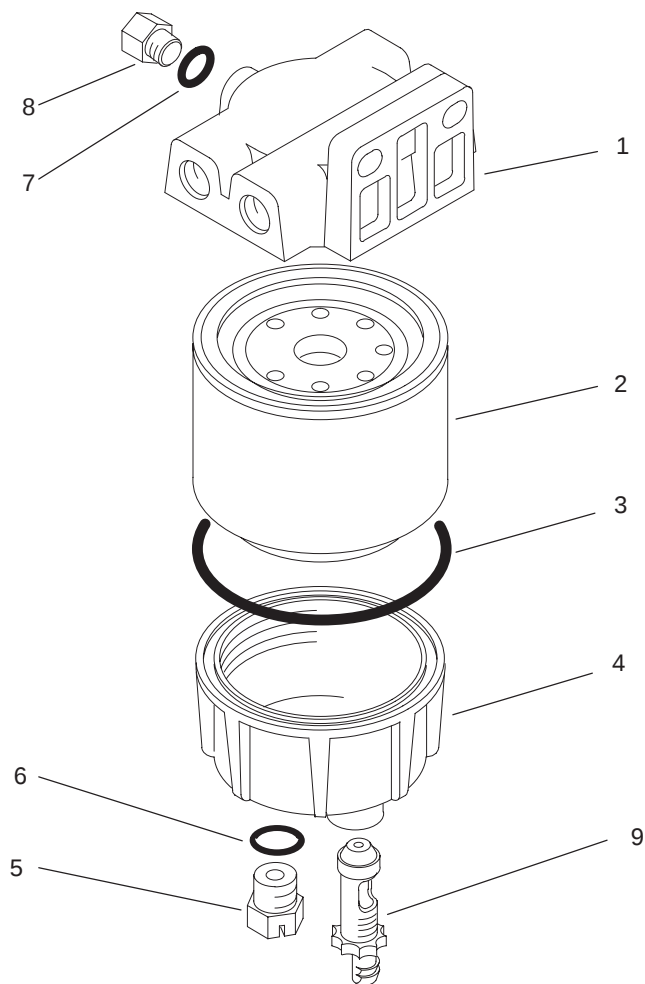
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Sheet No.:11

## Fuel Tank and Front Axle Assembly (Continued)

| Ref. No. | Part No.    | Qty. | Description       |
|----------|-------------|------|-------------------|
| 45       | 321-4       | 2    | Screw-HH          |
| 46       | 63-7627     | 2    | Hose-Fuel         |
| 47       | 98-7612     | 1    | Filter-Fuel       |
| 48       | 3256-22     | 2    | Washer-Flat       |
| 49       | 2412-147    | 1    | Clamp             |
| 50       | 3296-29     | 1    | Nut-Lock          |
| 51       | 98-9305     | 1    | Filter-Water/Fuel |
| 52       | 321-5       | 2    | Screw-HH          |
| 53       | 32128-33    | 2    | Nut-HF            |
| 54       | 105-2535-03 | 1    | Bracket-Filter    |
| 55       | 104-3409-03 | 1    | Bracket-Filter    |
| 56       | 285-22      | 2    | Plug-Pipe         |



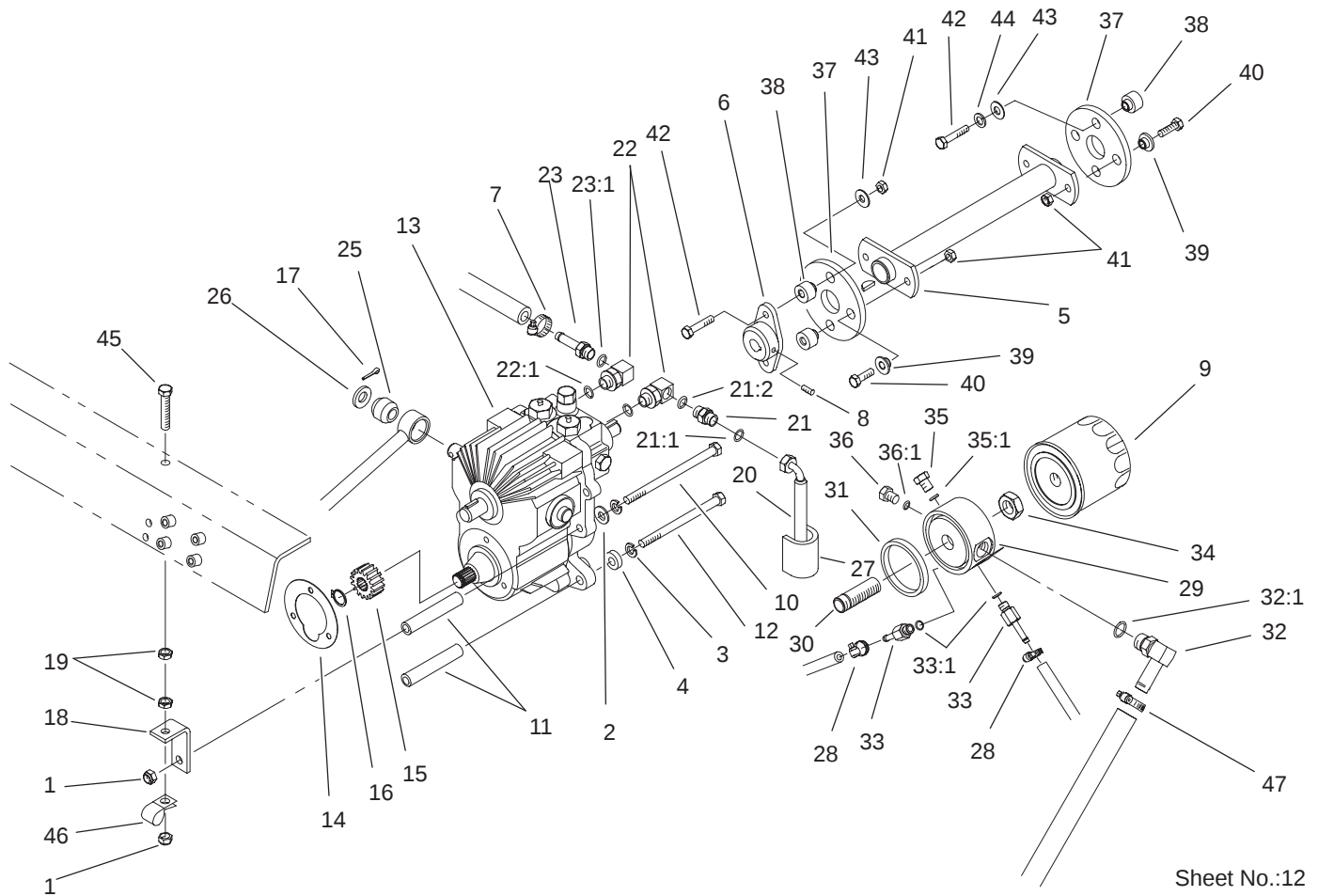
Sheet No.:A6

T-3330

# Water and Fuel Filter Assembly No. 98-9305

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 1        | 98-9772  | 1    | Head-Filter         |
| 2        | 98-9764  | 1    | Element-On, Spin    |
| 3        | 98-9774  | 1    | O-Ring-Base, Filter |
| 4        | 98-9775  | 1    | Base-Filter         |
| 5        | 98-9773  | 1    | Plug-Base, Filter   |
| 6        | 237-42   | 1    | O-Ring              |
| 7        | 237-78   | 1    | O-Ring              |
| 8        | 98-9776  | 1    | Plug-Filter, Head   |
| 9        | 98-9777  | 1    | Drain Valve ASM     |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

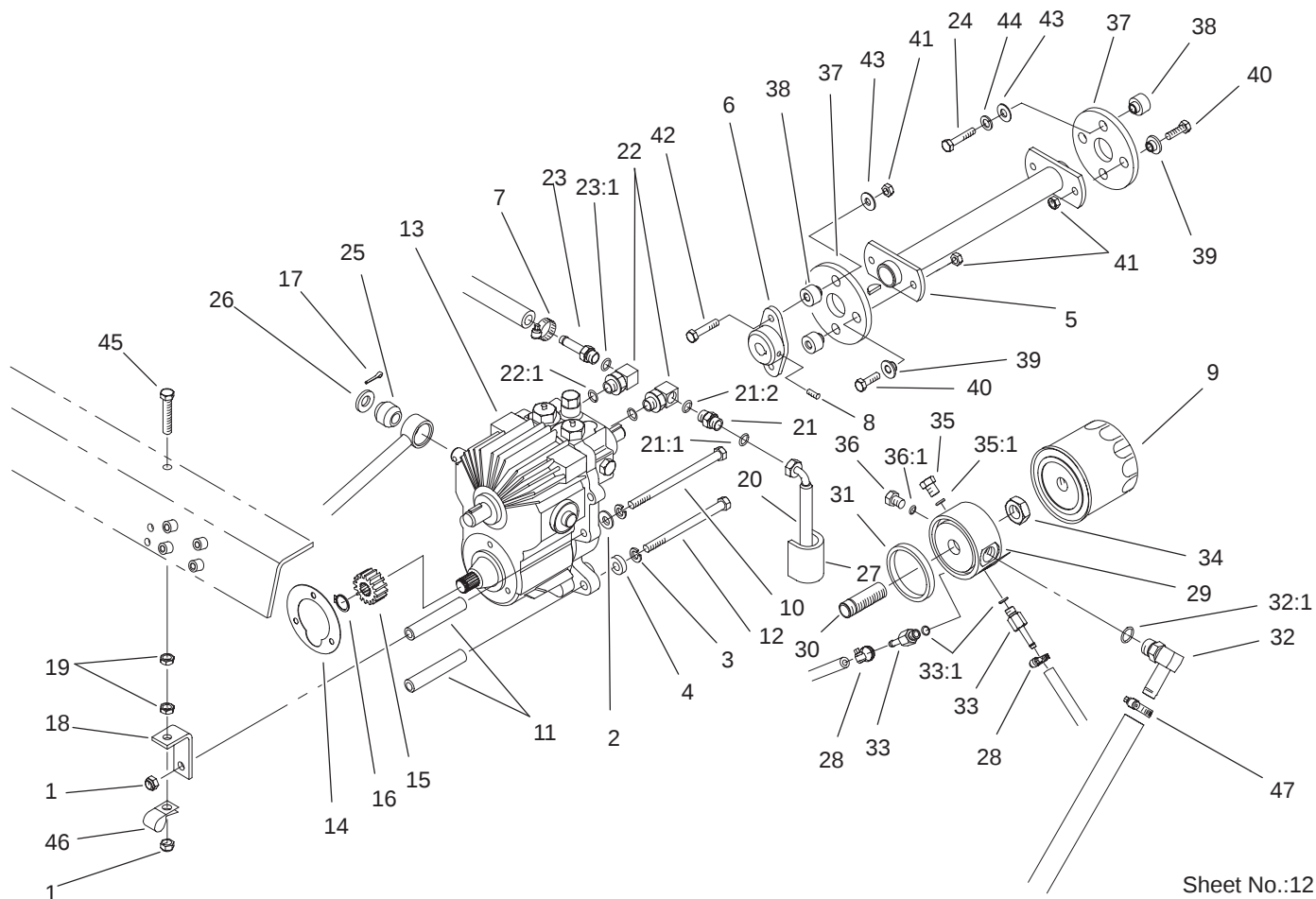


Sheet No.:12

## Transmission and Drive Coupling Assembly

| Ref. No. | Part No.    | Qty. | Description                 |
|----------|-------------|------|-----------------------------|
| 1        | 3296-39     | 2    | Nut-Lock, NI                |
| 2        | 3256-24     | 1    | Washer-Flat                 |
| 3        | 3253-21     | 4    | Washer-Lock                 |
| 4        | 5-0652      | 1    | Spacer                      |
| 5        | 104-3401-03 | 1    | Drive Shaft ASM             |
| 6        | 27-4370     | 1    | Hub-Pump                    |
| 7        | 2412-36     | 1    | Clamp-Hose                  |
| 8        | 3241-6      | 2    | Screw-SQH                   |
| 9        | 23-2300     | 1    | Filter-Oil,<br>Transmission |
| 10       | 27-9620     | 1    | Screw-HH                    |
| 11       | 27-3680     | 4    | Spacer-Mounting             |
| 12       | 323-39      | 3    | Screw-HH                    |
| 13       | 92-5513     | 1    | Transmission                |
| 14       | 27-3690     | 1    | Gasket-Transmission         |
| 15       | 86-7220     | 1    | Gear-Pinion                 |
| 16       | 32120-72    | 1    | Ring-Snap                   |
| 17       | 3272-10     | 1    | Pin-Cotter                  |
| 18       | 63-7170     | 1    | Anchor-Transmission         |
| 19       | 3218-3      | 2    | Nut-Jam                     |
| 20       | 66-8490     | 1    | Hose ASM-Hydraulic          |
| 21       | 82-8530     | 1    | Fitting-HYD, Special        |
| 21:1     | 237-42      | 1    | O-Ring                      |
| 21:2     | 237-22      | 1    | O-Ring                      |
| 22       | 66-3110     | 2    | Fitting-HYD, 90°            |
| 22:1     | 237-65      | 1    | O-Ring                      |

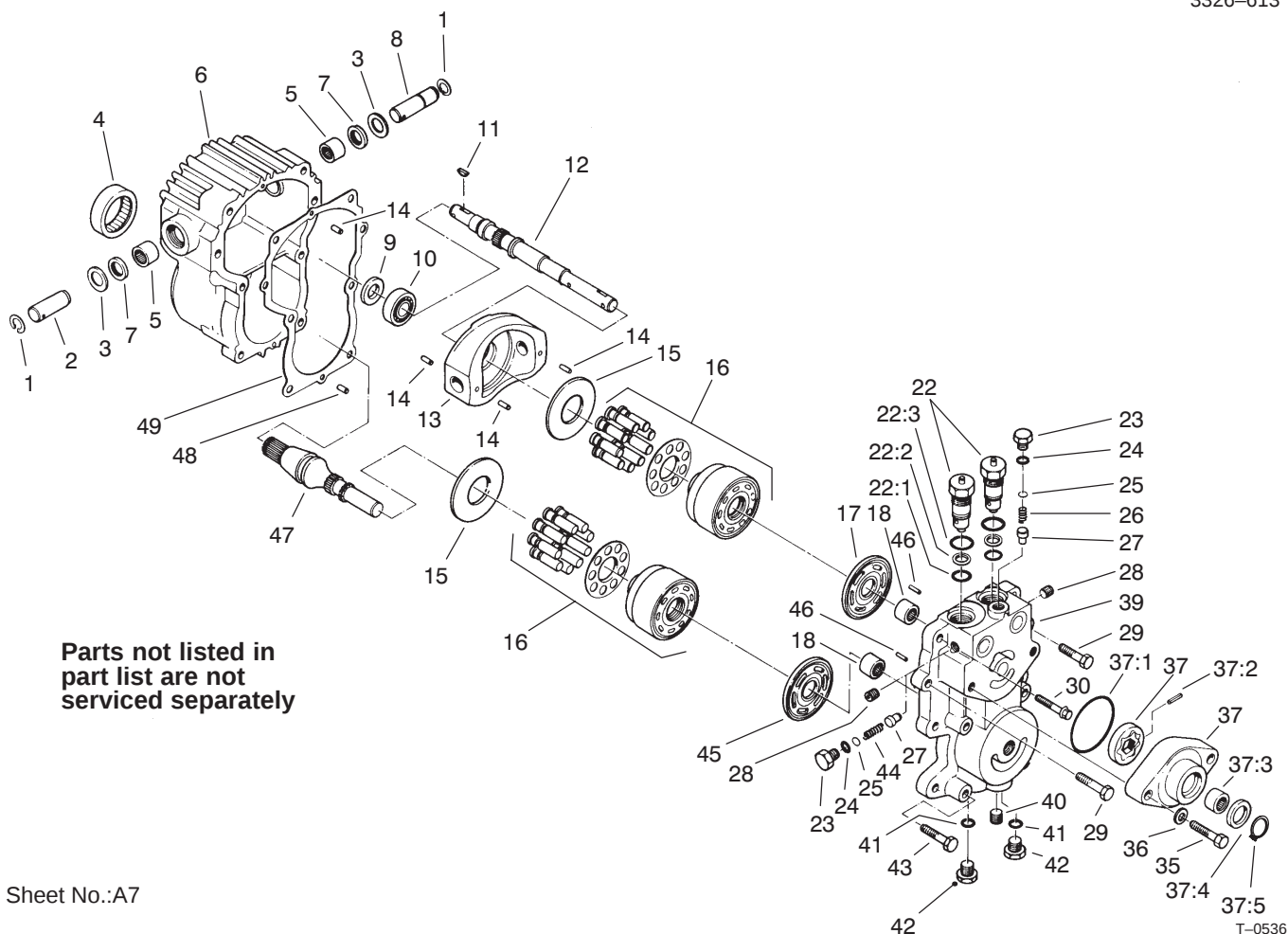
| Ref. No. | Part No. | Qty. | Description                |
|----------|----------|------|----------------------------|
| 23       | 353-979  | 1    | Fitting-Barb, Straight     |
| 23:1     | 237-42   | 1    | O-Ring                     |
| 25       | 23-2270  | 1    | Bushing-Rubber             |
| 26       | 3256-26  | 1    | Washer-Flat                |
| 27       | 38-3400  | 1    | Guard-Rubber               |
| 28       | 2412-108 | 2    | Clamp-Worm                 |
| 29       | 92-5076  | 1    | Adapter - Filter           |
| 30       | 92-5085  | 1    | Union - Filter             |
| 31       | 92-5087  | 1    | Seal - Filter Adapter      |
| 32       | 92-5086  | 1    | Fitting-HYD, 90°           |
| 32:1     | 237-79   | 1    | O-Ring                     |
| 33       | 92-5512  | 2    | Fitting-Hose, Barbed       |
| 33:1     | 237-78   | 2    | O-Ring                     |
| 34       | 3220-7   | 1    | Nut-Jam                    |
| 35       | 353-990  | 1    | Plug                       |
| 35:1     | 237-78   | 1    | O-Ring                     |
| 36       | 353-988  | 1    | Plug-Hex, Hollow           |
| 36:1     | 237-79   | 1    | O-Ring                     |
| 37       | 44-2230  | 2    | Coupling-Rubber            |
| 38       | 27-6590  | 4    | Spacer-Coupling,<br>Rubber |
| 39       | 27-6600  | 4    | Spacer-Coupling            |
| 40       | 3210-5   | 4    | Screw-HH                   |
| 41       | 32152-5  | 6    | Nut-Conelock               |
| 42       | 3210-8   | 4    | Screw-HH                   |
| 43       | 3256-71  | 4    | Washer-Flat                |



## Transmission and Drive Coupling Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 44       | 42-9850  | 2    | Washer-Lock, Spring |
| 45       | 67-1900  | 1    | Screw-HH            |
| 46       | 2412-4   | 1    | Clamp               |
| 47       | 2412-119 | 1    | Clamp-Worm          |

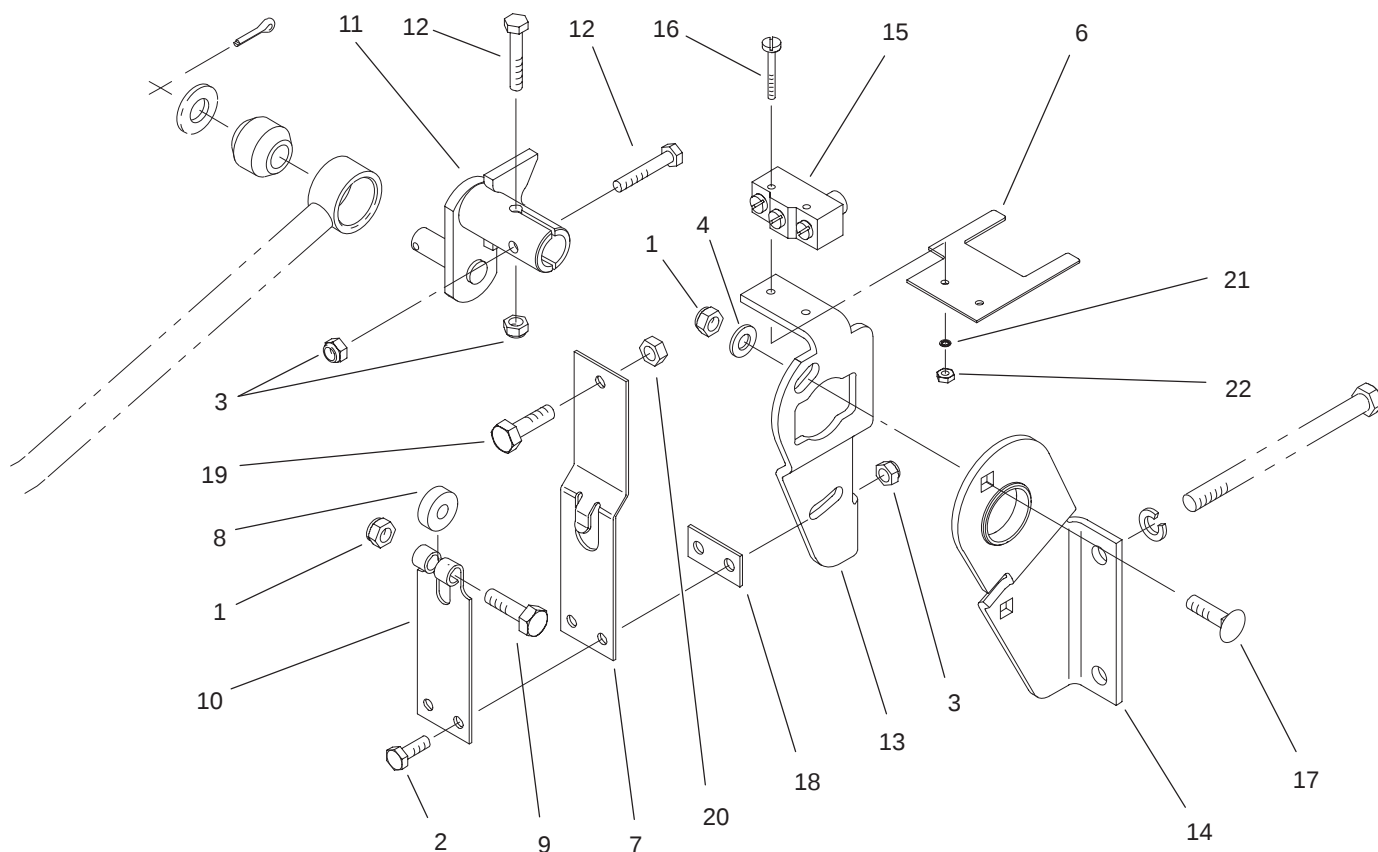
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:A7

## Transmission Assembly No. 92-5513

| Ref. No. | Part No. | Qty. | Description          | Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|----------------------|----------|----------|------|--------------------|
| 1        | 32151-46 | 2    | Ring-Retaining       | 27       | 83-7260  | 2    | Cone-Charge Relief |
| 2        | 25-2500  | 1    | Shaft-Trunnion       | 28       | 285-17   | 4    | Plug-Pipe          |
| 3        | 25-2510  | 2    | Washer-Flat          | 29       | 323-8    | 2    | Screw-HH           |
| 4        | 28-3300  | 1    | Bearing-Roller       | 30       | 28-3530  | 2    | Capscrew           |
| 5        | 252-82   | 2    | Bearing-Needle       | 34       | 94-2975  | 1    | Seal - Shaft       |
| 6        | 92-5709  | 1    | Housing-Transmission | 35       | 324-23   | 2    | Screw-HH           |
| 7        | 25-3210  | 2    | Seal-Lip             | 36       | 28-3450  | 2    | Washer             |
| 8        | 28-3670  | 1    | Shaft-Trunnion       | 37       | 38-2670  | 1    | Charge Pump Kit    |
| 9        | 93-4133  | 1    | Seal-Lip             | 37:1     | 28-3520  | 1    | O-Ring             |
| 10       | 28-3650  | 1    | Bearing-Ball         | 37:2     | 38-2680  | 1    | Pin                |
| 11       | 3257-5   | 2    | Key-Woodruff         | 37:3     | 28-3480  | 1    | Bearing            |
| 12       | 28-3640  | 1    | Shaft-Pump           | 37:4     | 28-3470  | 1    | Seal-Lip           |
| 13       | 49-7820  | 1    | Swashplate-Variable  | 37:5     | 94-2976  | 1    | Ring - Retaining   |
| 14       | 32121-91 | 3    | Pin-Coil Spring      | 39       | 92-5716  | 1    | Section-Center     |
| 15       | 25-2380  | 2    | Plate-Thrust         | 40       | 92-5717  | 1    | Plug- Pipe         |
| 16       | 48-1800  | 2    | Kit-Cylinder Block   | 42       | 28-3440  | 2    | Plug-Threaded      |
| 17       | 46-7320  | 1    | Plate-Valve, Pump    | 43       | 323-10   | 4    | Screw-HH           |
| 18       | 25-3300  | 2    | Bearing-Needle       | 44       | 25-2480  | 1    | Spring-Valve       |
| 22       | 49-7830  | 2    | Check Valve Kit      | 45       | 28-3380  | 1    | Plate-Valve, Motor |
| 22:1     | 28-3590  | 2    | O Ring               | 46       | 25-2430  | 2    | Pin-Dowel          |
| 22:2     | 28-3580  | 2    | Ring-Back Up         | 47       | 49-8200  | 1    | Shaft-Motor        |
| 22:3     | 28-3570  | 2    | O-Ring               | 48       | 353-599  | 2    | Pin-Dowel          |
| 23       | 25-2460  | 2    | Plug-HH              | 49       | 28-3340  | 1    | Gasket             |
| 24       | 28-3400  | 2    | O-Ring               |          |          |      |                    |
| 25       | 25-2470  | 1    | Pack-Shim            |          |          |      |                    |
| 26       | 46-7310  | 1    | Spring               |          |          |      |                    |

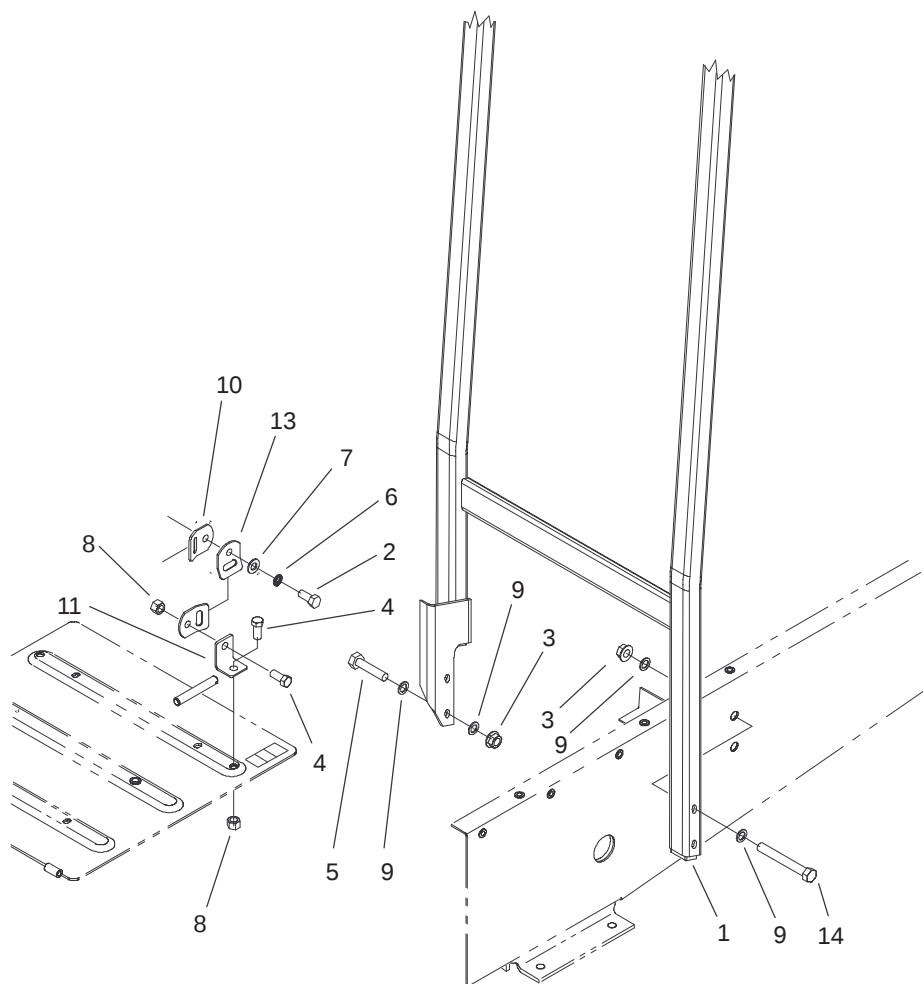


Sheet No.:13

## Transmission Interlock Assembly

| Ref. No. | Part No.   | Qty. | Description      |
|----------|------------|------|------------------|
| 1        | 3296-29    | 3    | Nut-Lock         |
| 2        | 321-4      | 2    | Screw-HH         |
| 3        | 3296-42    | 4    | Nut-Lock, NI     |
| 4        | 3256-23    | 2    | Washer-Flat      |
| 6        | 46-8810    | 1    | Stop-Leaf Spring |
| 7        | 29-6170    | 1    | Leaf Spring ASM  |
| 8        | 251-259    | 1    | Bearing          |
| 9        | 322-17     | 1    | Screw-HH         |
| 10       | 29-6150    | 1    | Spring-Leaf      |
| 11       | 29-9790-03 | 1    | Lever-Pump       |
| 12       | 321-9      | 2    | Screw-HH         |
| 13       | 52-9070    | 1    | Plate-Pump       |
| 14       | 52-8890-03 | 1    | Bracket-Mounting |
| 15       | 29-6163    | 1    | Switch-Micro     |
| 16       | 3249-11    | 2    | Screw            |
| 17       | 3230-2     | 2    | Screw-CARR       |
| 18       | 51-3150    | 1    | Shim             |
| 19       | 3210-7     | 1    | Screw-HH         |
| 20       | 3219-2     | 1    | Nut-Hex          |
| 21       | 3254-9     | 2    | Washer-Lock/Int  |
| 22       | 3217-16    | 2    | Nut-Hex          |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

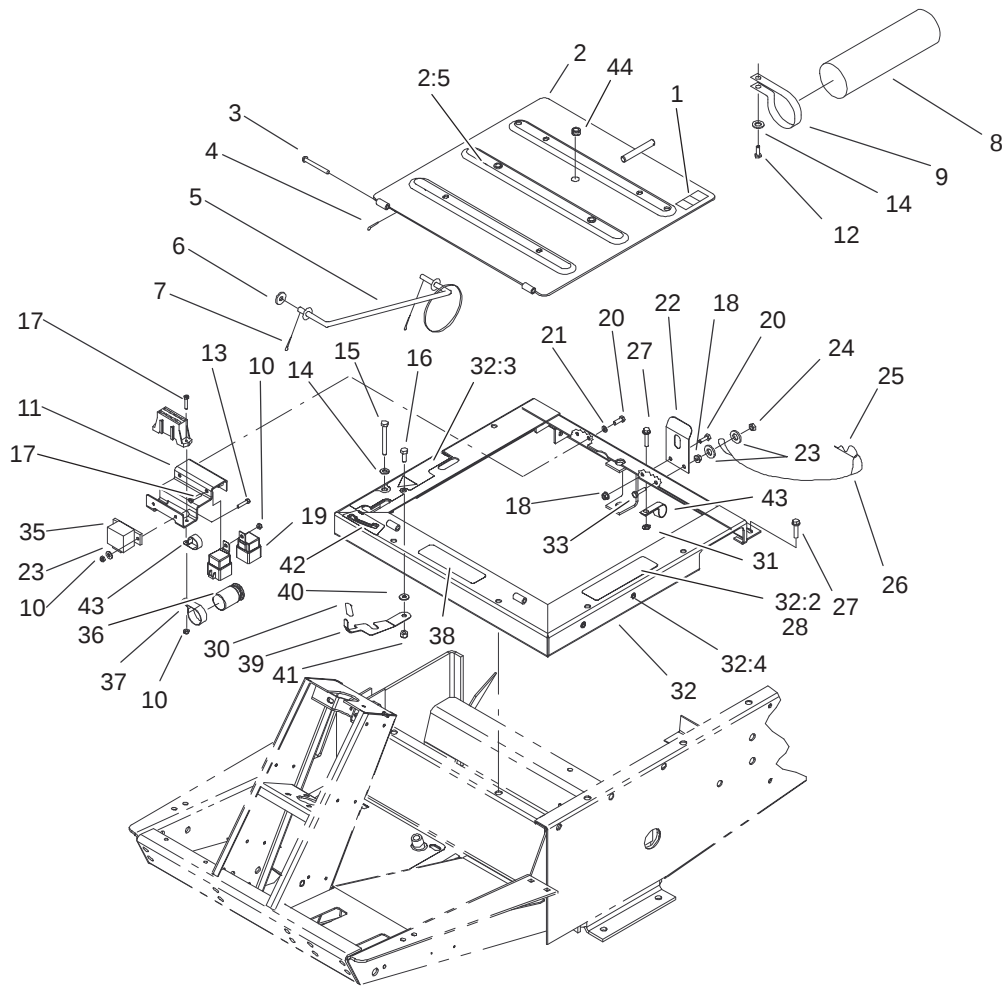


Sheet No.:14

## Roll-Over-Protection-System Assembly (only on: 30242)

| Ref. No. | Part No.    | Qty. | Description         |
|----------|-------------|------|---------------------|
| 1        | 100-6579-03 | 1    | Roll Bar ASM        |
| 2        | 3212-4      | 2    | Screw-HH            |
| 3        | 32128-23    | 4    | Nut-HF              |
| 4        | 324-4       | 4    | Screw-HH            |
| 5        | 325-9       | 2    | Screw-HH            |
| 6        | 3253-6      | 2    | Washer-Lock         |
| 7        | 3256-25     | 2    | Washer-Flat         |
| 8        | 3296-48     | 4    | Nut-Lock NI         |
| 9        | 41-8440     | 8    | Washer              |
| 10       | 72-9390     | 1    | Belt-Seat           |
| 11       | 92-5515     | 2    | Mount-Strap, Tether |
| 13       | 92-5521     | 2    | Strap-Tether        |
| 14       | 325-17      | 2    | Screw-HH            |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



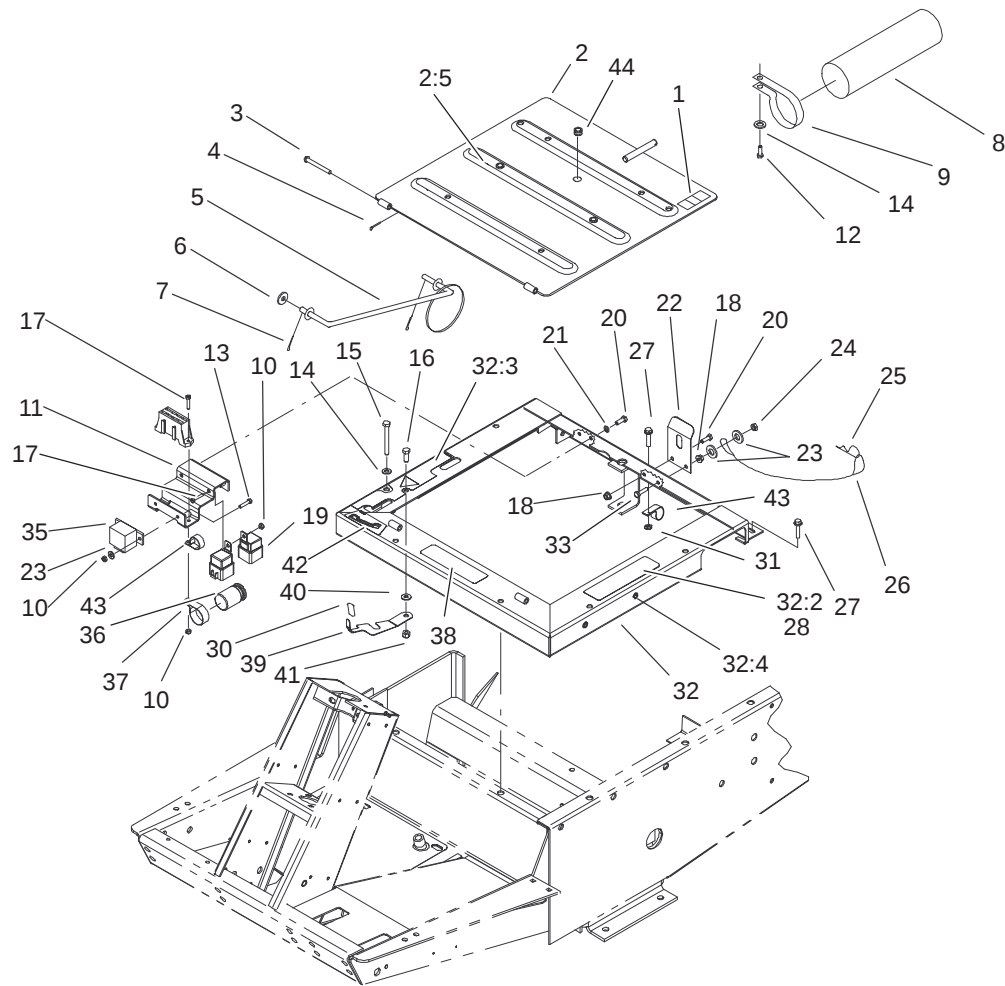
Sheet No.:15

## Seat Frame Assembly

| Ref. No. | Part No.   | Qty. | Description            |
|----------|------------|------|------------------------|
| 1        | 93-6680    | 1    | Decal-Diesel Only      |
| 2        | 92-5759    | 1    | Plate-Seat             |
| 2:5      | 32148-9    | 2    | Nut-Insert             |
| 3        | 283-49     | 2    | Clevis Pin             |
| 4        | 3272-4     | 2    | Pin-Cotter             |
| 5        | 66-2800-03 | 1    | Rod-Support            |
| 6        | 3256-24    | 1    | Washer-Flat            |
| 7        | 3272-11    | 2    | Pin-Cotter             |
| 8        | 74-0720    | 1    | Tube-Manual            |
| 9        | 2412-133   | 2    | R-Clamp                |
| 10       | 3296-12    | 6    | Nut-Lock               |
| 11       | 105-0036   | 1    | Bracket ASM-Fuse Block |
| *11:2    | 32148-6    | 2    | Nut-Insert             |
| 12       | 322-5      | 2    | Screw-HH               |
| 13       | 32105-12   | 2    | Screw                  |
| 14       | 3256-23    | 8    | Washer-Flat            |
| 15       | 322-13     | 6    | Screw-HH               |
| 16       | 322-4      | 1    | Screw-HH               |
| 17       | 32105-13   | 4    | Screw-SHH              |
| 18       | 32128-33   | 2    | Nut-HF                 |
| 19       | 70-1480    | 4    | Relay                  |
| 20       | 321-4      | 3    | Screw-HH               |
| 21       | 3253-3     | 2    | Washer-Lock            |
| 22       | 66-2630    | 1    | Latch-Seat             |
| 23       | 3256-22    | 3    | Washer-Flat            |

| Ref. No. | Part No. | Qty. | Description                                  |
|----------|----------|------|----------------------------------------------|
| 24       | 3296-42  | 1    | Nut-Lock, NI                                 |
| 25       | 3290-255 | 1    | Pin-Hair                                     |
| 26       | 28-8070  | 1    | Lanyard                                      |
| 27       | 3234-17  | 3    | Screw-HHF                                    |
| 28       | 93-7841  | 1    | Decal - Blank                                |
| 30       | 100-6576 | 1    | Grip-Handle                                  |
| 31       | 32128-20 | 1    | Nut-Lock                                     |
| 32       | 92-8877  | 1    | Seat Frame ASM                               |
| 32:2     | 67-1710  | 1    | Decal-Warning                                |
| 32:3     | 93-7833  | 1    | Decal-Throttle & Lift Control                |
| 32:4     | 32148-6  | 4    | Nut-Insert                                   |
| 33       | 321-6    | 1    | Screw-HH                                     |
| 35       | 66-8800  | 1    | Relay                                        |
| 36       | 37-2690  | 1    | Capacitor                                    |
| *36:1    | 3252-18  | 2    | Screw                                        |
| *36:2    | 3254-1   | 2    | Washer-Lock, Internal                        |
| 37       | 2412-74  | 1    | R-Clamp                                      |
| 38       | 105-2509 | 1    | Decal-Starting Instructions (only on: 30242) |
| 38       | 105-2511 | 1    | Decal-Starting Instructions (only on: 30242) |
| 39       | 100-6551 | 1    | Latch-Spring                                 |

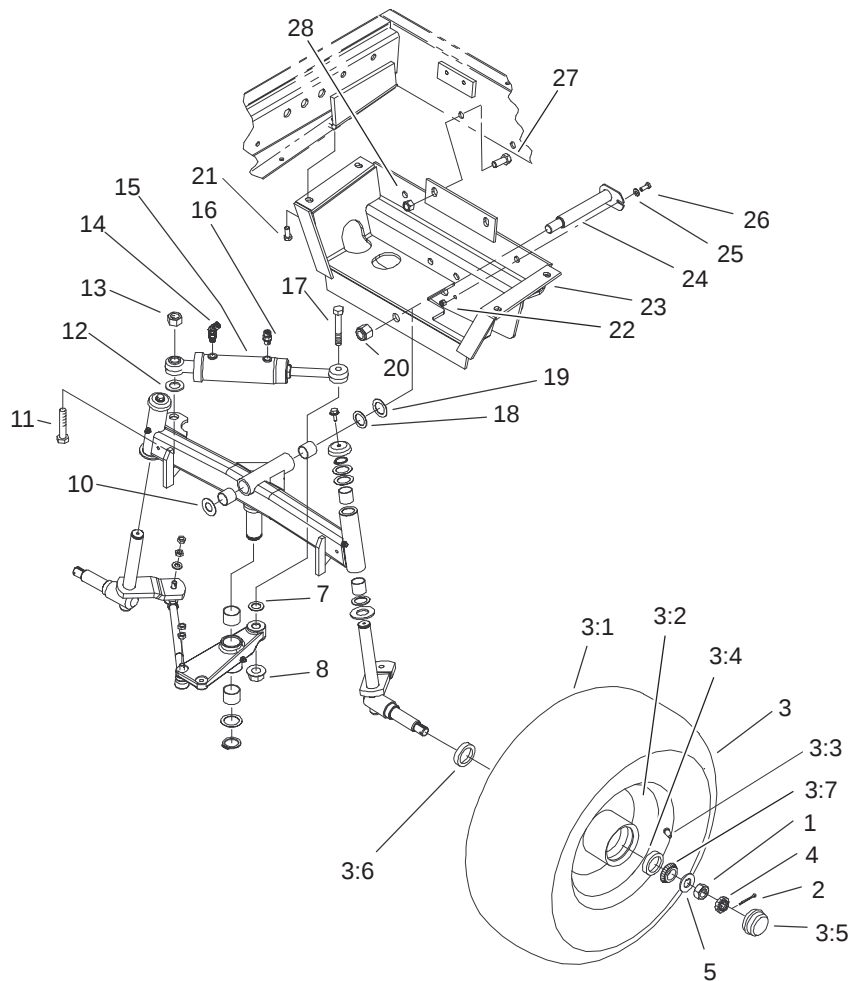
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## Seat Frame Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description     |
|----------|----------|------|-----------------|
| 40       | 3256-2   | 1    | Washer-Flat     |
| 41       | 3296-29  | 1    | Nut-Lock        |
| 42       | 100-6577 | 1    | Decal-Lift Lock |
| 43       | 2412-106 | 2    | Clamp-R         |
| 44       | 240-5    | 1    | Grommet         |



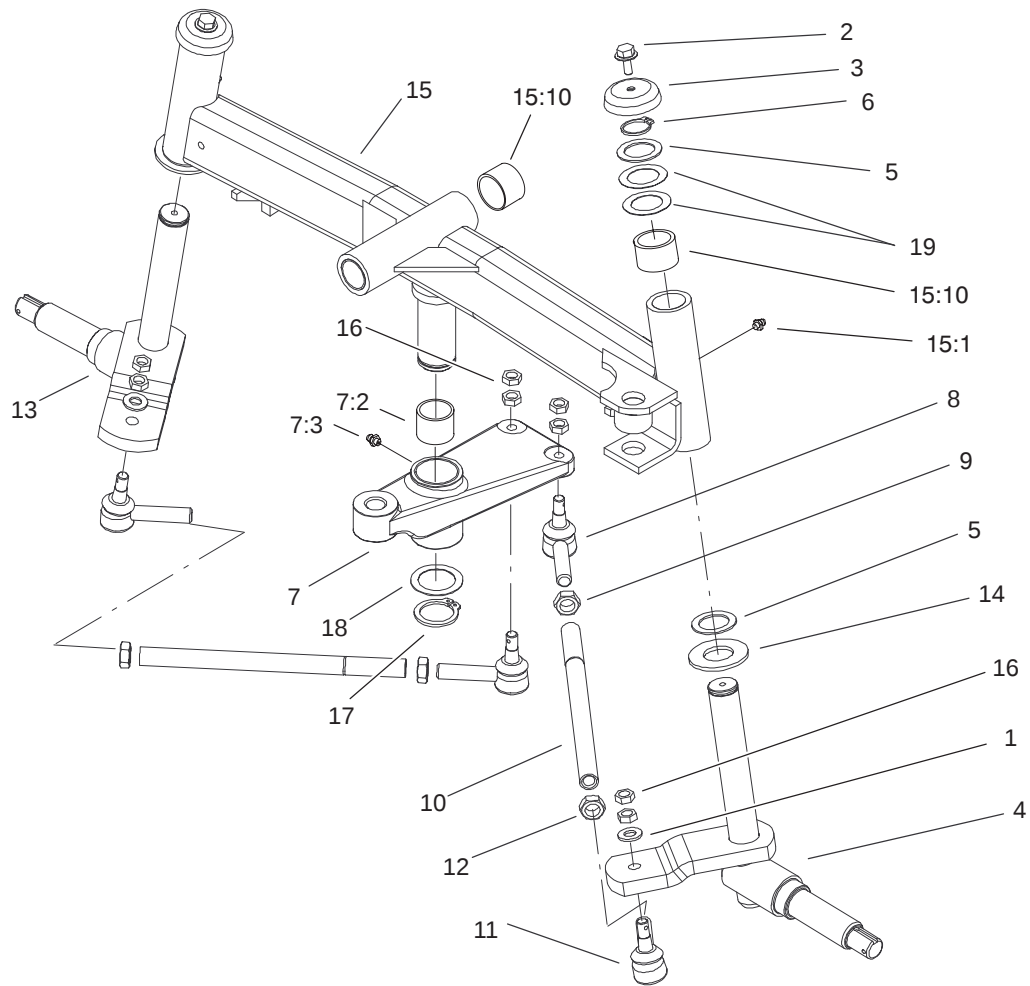
Sheet No.:16

## 2 Wheel Drive Rear Axle Assembly (only on: 30241)

| Ref. No. | Part No. | Qty. | Description           |
|----------|----------|------|-----------------------|
| 1        | 3220-7   | 2    | Nut-Jam               |
| 2        | 3272-13  | 2    | Pin-Cotter            |
| ☆3       |          | 2    | 16" Wheel & Tire ASM  |
| 3:1      | 231-105  | 1    | Tire                  |
| 3:2      | 217-118  | 1    | Rim                   |
| 3:3      | 232-35   | 1    | Valve Stem            |
| 3:4      | 254-72   | 2    | Bearing-Taper, Cup    |
| 3:5      | 241-119  | 1    | Cap-Dust              |
| 3:6      | 253-129  | 1    | Seal                  |
| 3:7      | 254-94   | 2    | Bearing-Taper, Cone   |
| 4        | 93-0307  | 2    | Nut-Retainer, Lock    |
| 5        | 93-0309  | 2    | Washer-Tab            |
| 7        | 67-9410  | 1    | Washer                |
| 8        | 32128-45 | 1    | Locknut-Flange        |
| 10       | 71-4540  | 1    | Washer-Thrust         |
| 11       | 67-7300  | 1    | Screw-HH              |
| 12       | 67-7250  | 1    | Spacer-Ring           |
| 13       | 32153-6  | 1    | Locknut               |
| 14       | 340-103  | 1    | Fitting-HYD, 45°      |
| *14:1    | 237-78   | 1    | O-Ring                |
| *14:2    | 237-21   | 1    | O-Ring                |
| 15       | 76-2070  | 1    | Cylinder-Steering     |
| 16       | 340-92   | 1    | Fitting-Straight, HYD |
| *16:1    | 237-78   | 1    | O-Ring                |
| *16:2    | 237-21   | 1    | O-Ring                |
| 17       | 328-25   | 1    | Screw-HH              |

| Ref. No. | Part No.   | Qty. | Description   |
|----------|------------|------|---------------|
| 18       | 10-8110    | 1    | Washer-Thrust |
| 19       | 56-2460    | 2    | Washer-Flat   |
| 20       | 3296-51    | 1    | Nut-Lock, NI  |
| 21       | 3234-25    | 4    | Bolt-HF       |
| 22       | 3296-42    | 1    | Nut-Lock, NI  |
| 23       | 63-6430-03 | 1    | Frame-Rear    |
| 24       | 63-6770-03 | 1    | Pin-Masked    |
| 25       | 3256-22    | 1    | Washer-Flat   |
| 26       | 321-4      | 1    | Screw-HH      |
| 27       | 325-5      | 2    | Screw-HH      |
| 28       | 3296-25    | 2    | Nut-Lock NI   |

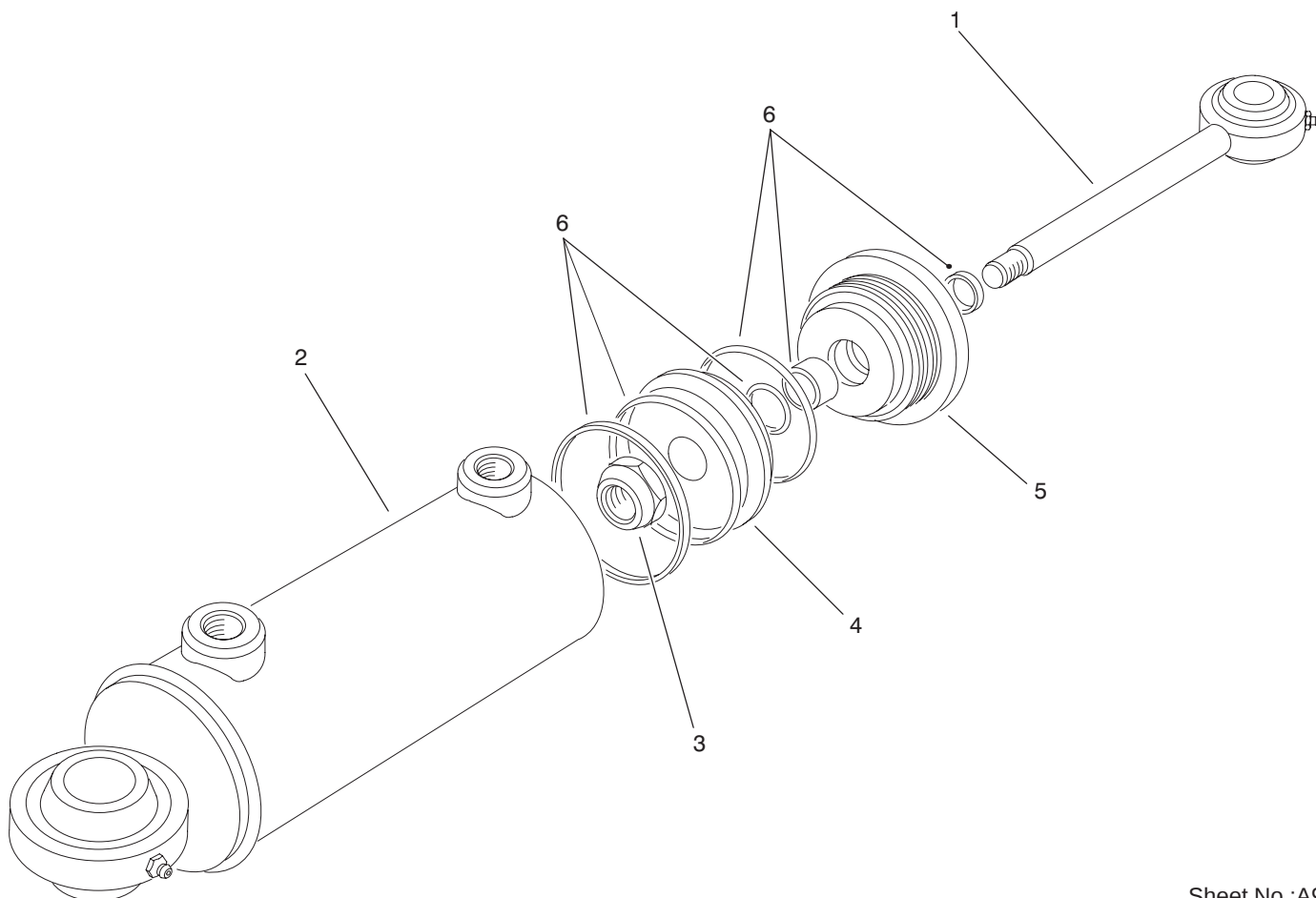
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 \* Not illustrated



Sheet No.:A8

## Axle Assembly (only on: 30241)

| Ref. No. | Part No. | Qty. | Description          | Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|----------------------|----------|----------|------|-------------|
| 1        | 3256-24  | 2    | Washer-Flat          |          |          |      |             |
| 2        | 3234-13  | 2    | Screw-HHF            |          |          |      |             |
| 3        | 66-2990  | 2    | Cap-Spindle          |          |          |      |             |
| 4        | 93-3196  | 1    | Spindle ASM-RH       |          |          |      |             |
| 5        | 10-8110  | 4    | Washer-Thrust        |          |          |      |             |
| 6        | 32151-36 | 2    | Ring-Retaining       |          |          |      |             |
| 7        | 100-6598 | 1    | Steering Pivot ASM   |          |          |      |             |
| 7:2      | 76-2970  | 2    | Bushing-Straight     |          |          |      |             |
| 7:3      | 302-5    | 1    | Fitting-Grease       |          |          |      |             |
| 8        | 21-0151  | 2    | LH Ball Joint ASM    |          |          |      |             |
| 9        | 3220-12  | 2    | Nut-HJ, LH Thread    |          |          |      |             |
| 10       | 63-6880  | 2    | Tie Rod-Steering     |          |          |      |             |
| 11       | 21-0141  | 2    | RH Ball Joint ASM    |          |          |      |             |
| 12       | 3220-5   | 2    | Nut-Jam              |          |          |      |             |
| 13       | 93-3195  | 1    | Spindle ASM-LH       |          |          |      |             |
| 14       | 256-121  | 2    | Washer-Thrust        |          |          |      |             |
| 15       | 76-3000  | 1    | Axle-Rear            |          |          |      |             |
| 15:1     | 302-5    | 3    | Fitting-Grease       |          |          |      |             |
| 15:10    | 67-1750  | 6    | Bushing              |          |          |      |             |
| 16       | 3220-3   | 8    | Nut-Jam              |          |          |      |             |
| 17       | 32151-77 | 1    | Ring-Retaining, Ext. |          |          |      |             |
| 18       | 76-2980  | 1    | Washer-Thrust        |          |          |      |             |
| 19       | 56-2460  | 4    | Washer-Flat          |          |          |      |             |



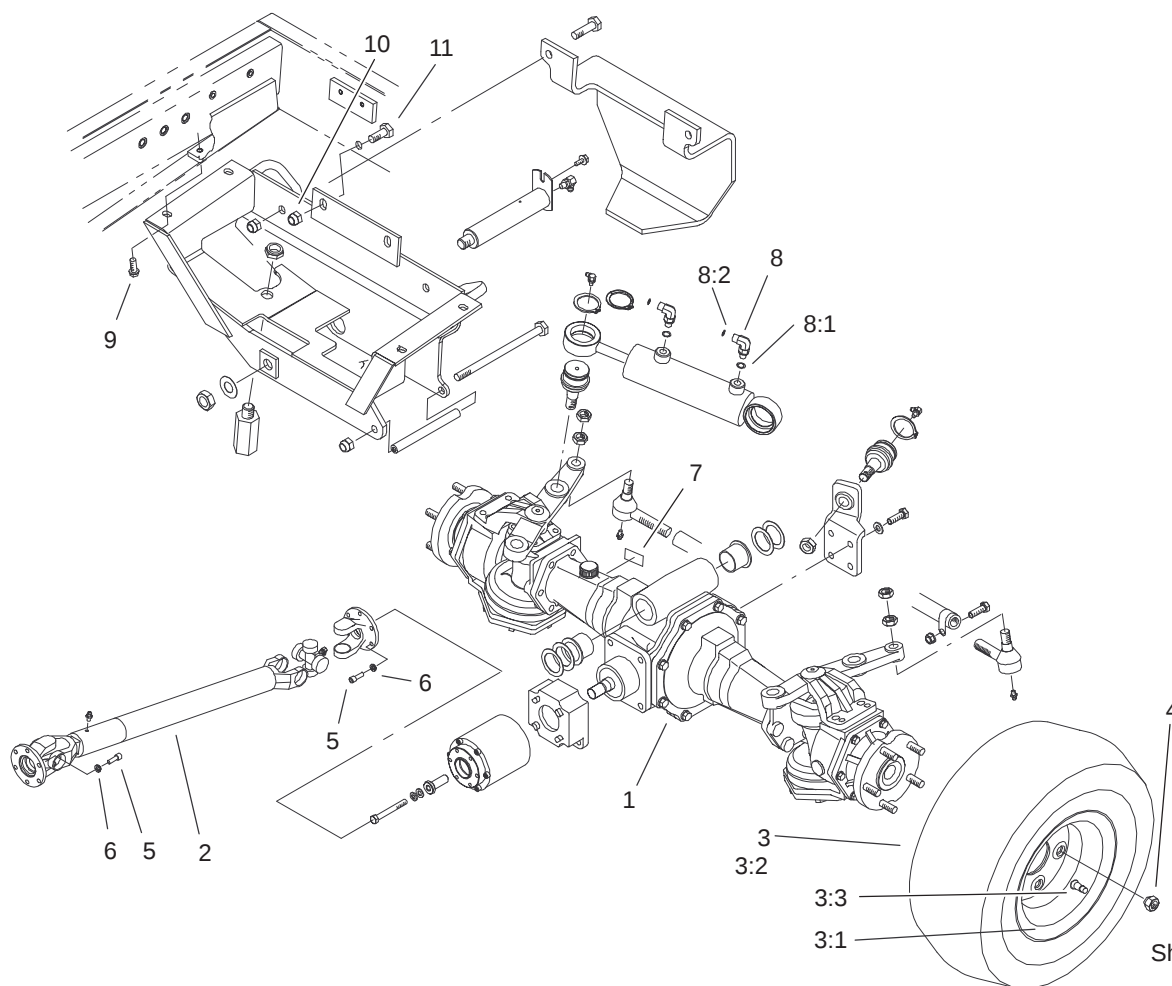
Sheet No.:A9

T-0541

## Steering Cylinder Assembly No. 76-2070 (only on: 30241)

| Ref. No. | Part No. | Qty. | Description    |
|----------|----------|------|----------------|
| 1        | 76-2080  | 1    | Piston Rod ASM |
| 2        | 66-2770  | 1    | Tube-Cylinder  |
| 3        | 66-1930  | 1    | Locknut        |
| 4        | 66-1940  | 1    | Piston         |
| 5        | 76-2790  | 1    | Gland          |
| 6        | 76-2090  | 1    | Seal Kit       |

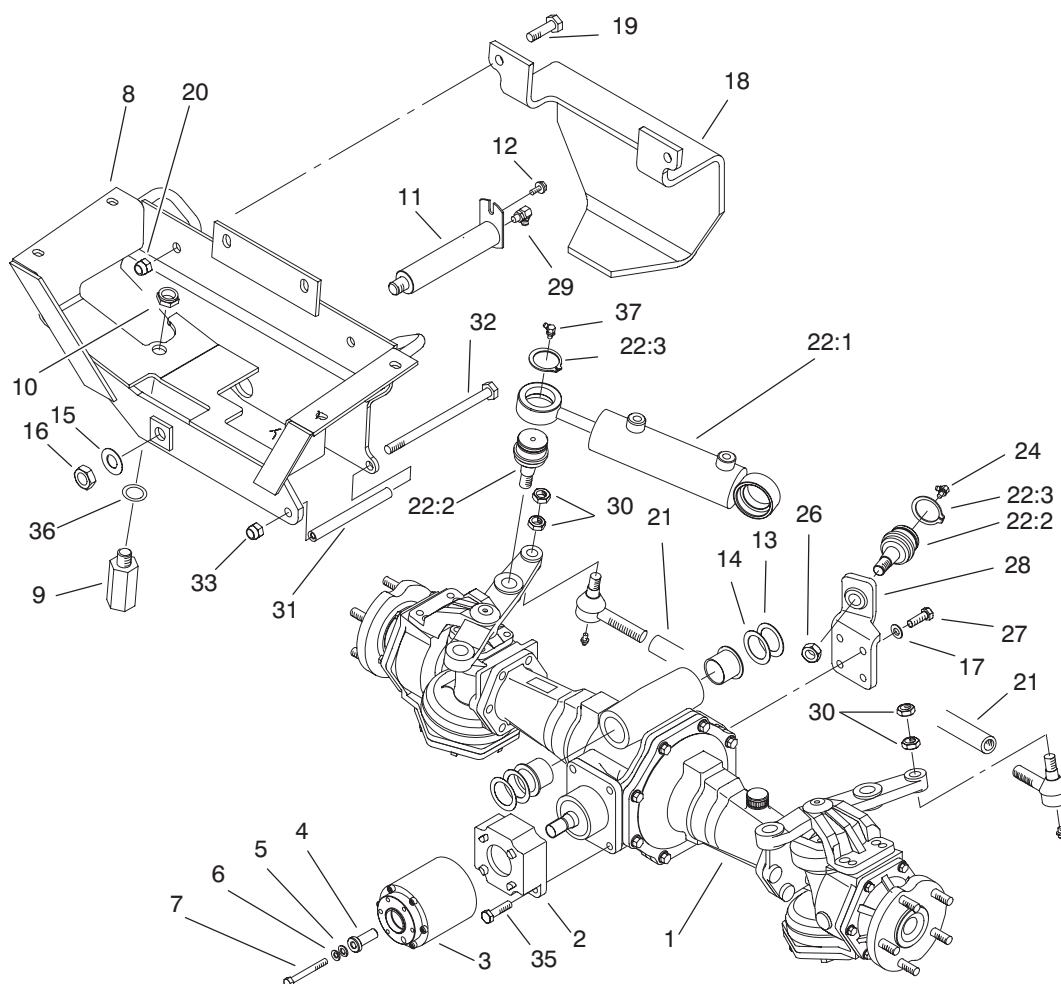
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



## 4 Wheel Drive Rear Axle Assembly (only on: 30242)

| Ref. No. | Part No. | Qty. | Description      |
|----------|----------|------|------------------|
| ☆1       |          | 1    | Rear Axle ASM    |
| 2        | 98-5009  | 1    | Driveshaft ASM   |
| ☆3       |          | 2    | Tire & Wheel ASM |
| 3:1      | 99-2410  | 1    | Rim              |
| 3:2      | 231-122  | 1    | Tire             |
| 3:3      | 232-31   | 1    | Stem-Valve       |
| 4        | 93-5268  | 10   | Nut-Lug          |
| 5        | 3274-64  | 12   | Screw-HSH        |
| 6        | 3253-3   | 12   | Washer-Lock      |
| 7        | 93-6697  | 1    | Decal-Lube       |
| 8        | 340-132  | 2    | Fitting-HYD, 90° |
| 8:1      | 237-78   | 1    | O-Ring           |
| 8:2      | 237-21   | 1    | O-Ring           |
| 9        | 3234-25  | 4    | Bolt-HF          |
| 10       | 3296-25  | 2    | Nut-Lock NI      |
| 11       | 325-5    | 2    | Screw-HH         |

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Sheet No.:B4

## 4 Wheel Drive Rear Axle Assembly (Continued) (only on: 30242)

| Ref. No. | Part No.   | Qty. | Description              |
|----------|------------|------|--------------------------|
| 1        | 95-7501    | 1    | Rear Axle ASM            |
| 2        | 98-3860-03 | 1    | Adaptor - Clutch Locator |
| 3        | 95-6296    | 1    | Clutch - Bidirectional   |
| 4        | 99-8436    | 1    | Spacer-Plated            |
| 5        | 33094-00   | 1    | Washer-Flat              |
| 6        | 3253-4     | 1    | Washer-Lock              |
| 7        | 33114-070  | 1    | Screw-HH                 |
| 8        | 99-2403-03 | 1    | Support-Axle             |
| 9        | 98-3863    | 1    | Stop - Oscillation       |
| 10       | 3296-15    | 1    | Nut-Lock NI              |
| 11       | 99-8434-03 | 1    | Rear Axle Pin ASM        |
| 12       | 32144-14   | 1    | Screw-HWH                |
| 13       | 99-8431    | 1    | Washer-Thrust            |
| 14       | 99-8432    | 1    | Washer-Thrust            |
| 15       | 71-4540    | 1    | Washer-Thrust            |
| 16       | 32146-20   | 1    | Nut-Jam                  |
| 17       | 48-9220    | 4    | Washer                   |
| 18       | 99-2405    | 1    | Bumper                   |
| 19       | 325-5      | 2    | Screw-HH                 |
| 20       | 3296-25    | 2    | Nut-Lock NI              |
| 21       | 98-3871    | 1    | Tie Rod ASM              |
| ☆22      |            | 1    | Cylinder ASM-Steering    |

| Ref. No. | Part No.   | Qty. | Description               |
|----------|------------|------|---------------------------|
| 22:1     | 99-2415    | 1    | Cylinder-HYD              |
| 22:2     | 92-5838-01 | 2    | Joint-Ball                |
| 22:3     | 32151-104  | 2    | Ring-Retaining, Ext.      |
| 24       | 302-11     | 1    | Fitting-Lube 45°          |
| 26       | 3220-6     | 4    | Nut-Jam                   |
| 27       | 95-8812    | 4    | Screw-HH                  |
| 28       | 98-3862-03 | 1    | Bracket-Support, Cylinder |
| 29       | 302-33     | 1    | Fitting-Grease            |
| 30       | 3220-11    | 4    | Nut-Jam                   |
| 31       | 99-2404-03 | 1    | Stop-Rear Axle, LH        |
| 32       | 325-36     | 1    | Screw-HH                  |
| 33       | 3296-23    | 1    | Nut-Lock, NI              |
| 35       | 87-3700    | 2    | Screw                     |
| 36       | 3256-27    | 1    | Washer-Flat               |
| 37       | 302-5      | 1    | Fitting-Grease            |

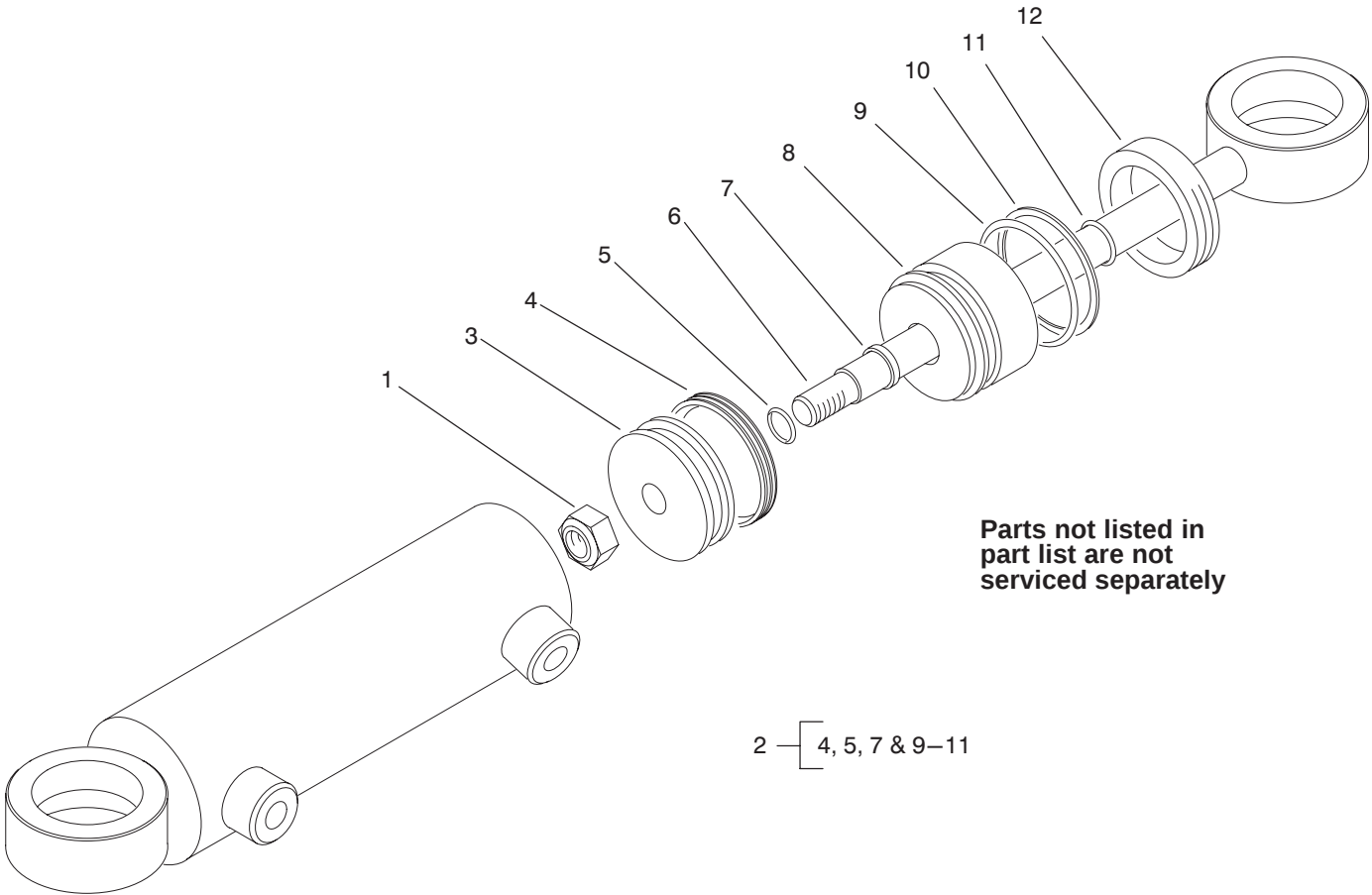
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Sheet No.:B5  
T-3802

| Ref. No. | Part No. | Qty. | Description                |
|----------|----------|------|----------------------------|
| 1        | 100-6589 | 1    | Seal-Oil                   |
| 2        | 100-6593 | 1    | Seal-Oil                   |
| 3        | 100-6594 | 1    | Ring-Snap, Internal        |
| 4        | 100-6596 | 1    | Screw-PPH,<br>W/O-Ring     |
| 5        | 100-6597 | 1    | Ring-Snap, External        |
| 6        | 93-8925  | 6    | Roller                     |
| 7        | 93-8919  | 1    | Bearing – Thrust<br>Needle |
| 8        | 93-8923  | 1    | Spring – Wave              |
| 9        | 99-2902  | 1    | Bearing-Ball               |
| 10       | 92-9705  | 1    | Bearing                    |
| 11       | 3245-6   | 6    | Screw-HSH                  |
| 12       | 32120-84 | 1    | Ring-Snap, External        |
| 13       | 71-6790  | 1    | Seal-Oil                   |
| 14       | 100-2568 | 1    | Roll Cage ASM              |
| 15       | 93-8929  | 1    | Washer – Thrust            |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



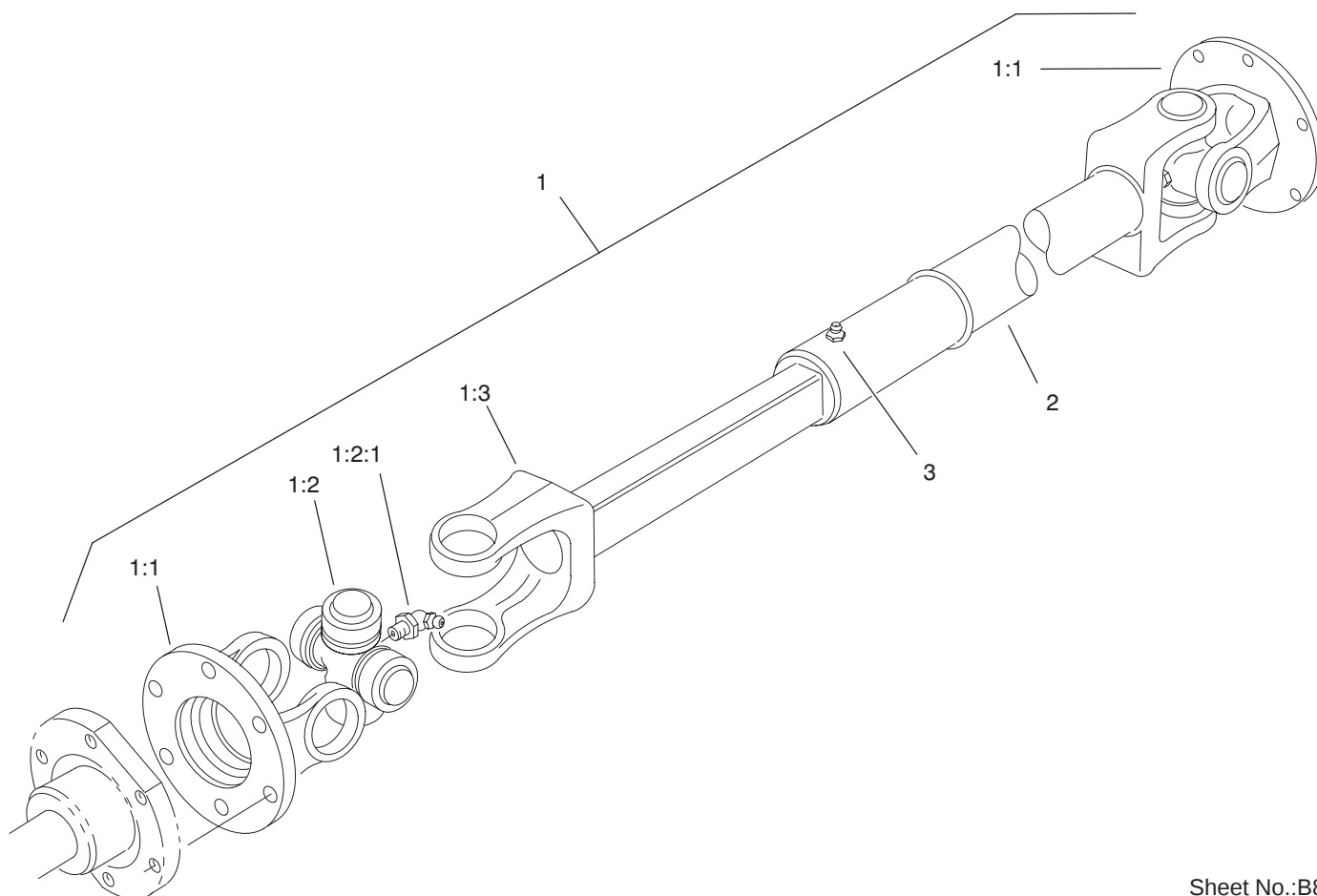


Sheet No.:B7  
T-3111

**Cylinder Assembly No. 99-2415 (only on: 30242)**

| Ref. No. | Part No. | Qty. | Description                  |
|----------|----------|------|------------------------------|
| 1:1      | 32152-10 | 1    | Locknut-Deform, Top          |
| 1:2      | 86-5390  | 1    | Kit-Seal Repair, 2" Cylinder |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



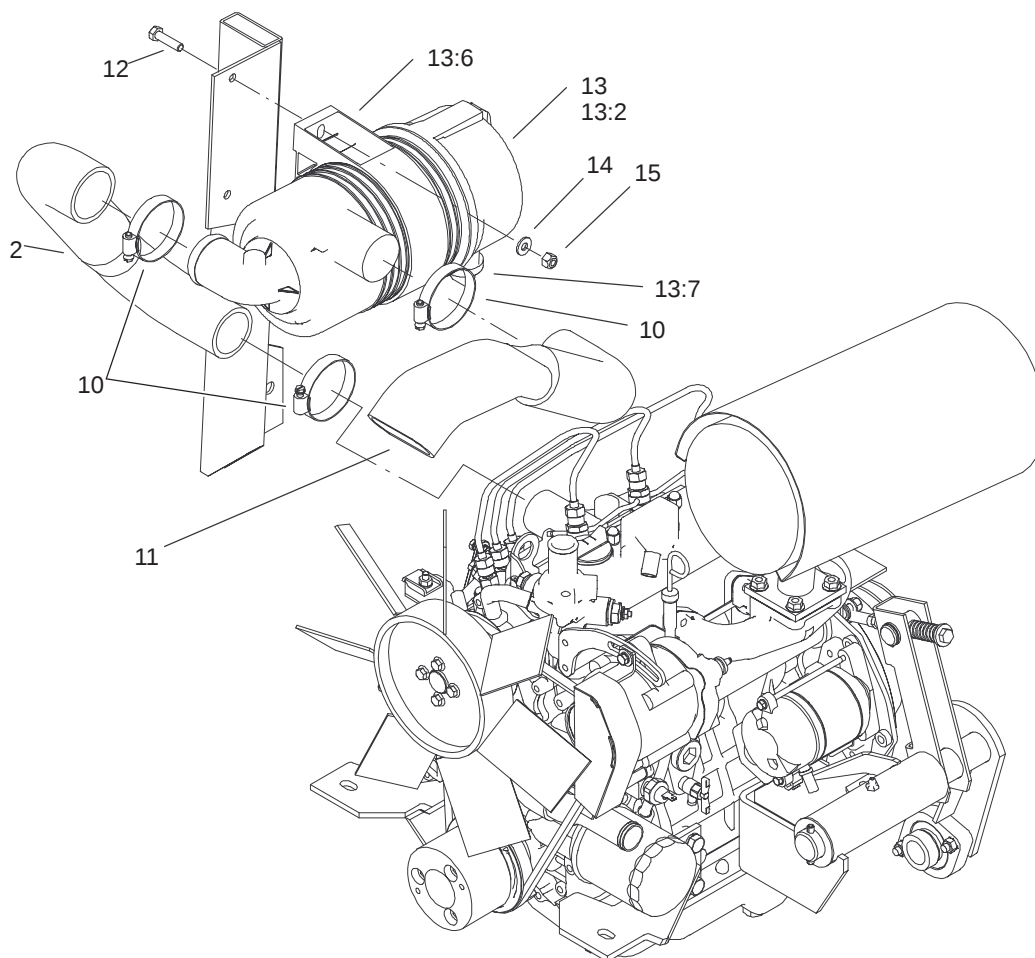
Sheet No.:B8

T-3804

## Driveshaft Assembly No. 98-5009 (only on: 30242)

| Ref. No. | Part No. | Qty. | Description       |
|----------|----------|------|-------------------|
| 1        | 92-5096  | 1    | ASM-Joint & Shaft |
| 1:1      | 72-3410  | 1    | Yoke - Flange     |
| 1:2      | 54-9180  | 1    | U-Joint Kit       |
| 1:2:1    | 62-3820  | 1    | Fitting-Grease    |
| 1:3      | 72-3420  | 1    | Shaft-Yoke, Slip  |
| 2        | 72-3431  | 1    | Tube - Slip Yoke  |
| 3        | 302-58   | 1    | Fitting-Grease    |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



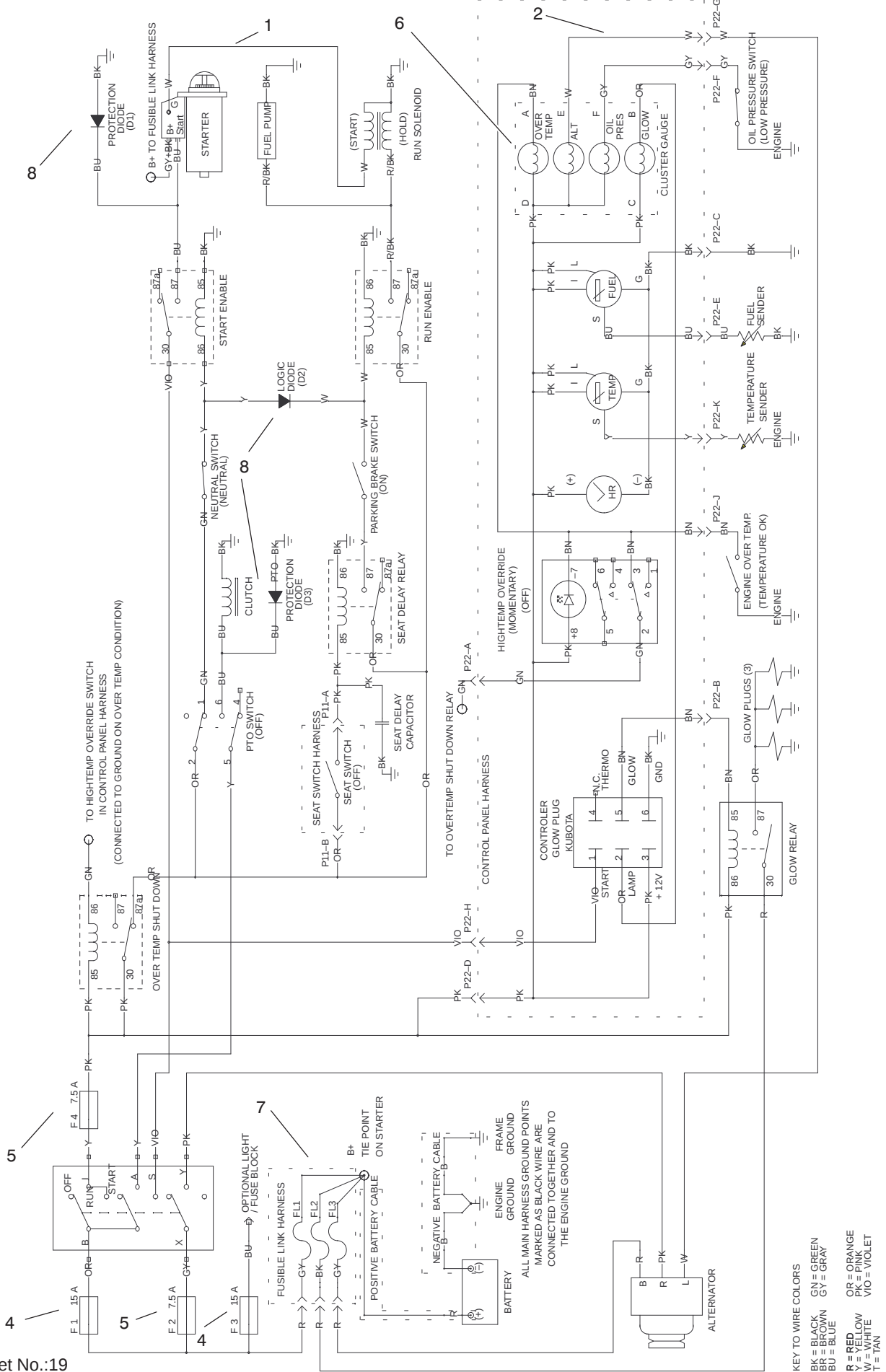
Sheet No.:18

## Engine Installation Assembly

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 2        | 104-3446 | 1    | Hose-Air Outlet      |
| 10       | 2412-42  | 3    | Clamp-Hose           |
| 11       | 104-3444 | 1    | Hose-Air Inlet       |
| 12       | 322-6    | 2    | Screw-HH             |
| 13       | 104-3427 | 1    | Air Cleaner ASM      |
| *13:1    | 105-4292 | 1    | Nipple-Pipe          |
| 13:2     | 104-0497 | 1    | Cover ASM            |
| 13:6     | 98-4525  | 1    | Bracket-Cleaner, Air |
| 13:7     | 104-0498 | 1    | Valve-Vacuator       |
| *13:8    | 98-9763  | 1    | Element ASM          |
| *13:9    | 94-1416  | 1    | Indicator-Mini       |
| 14       | 3256-23  | 2    | Washer-Flat          |
| 15       | 3296-29  | 2    | Nut-Lock             |

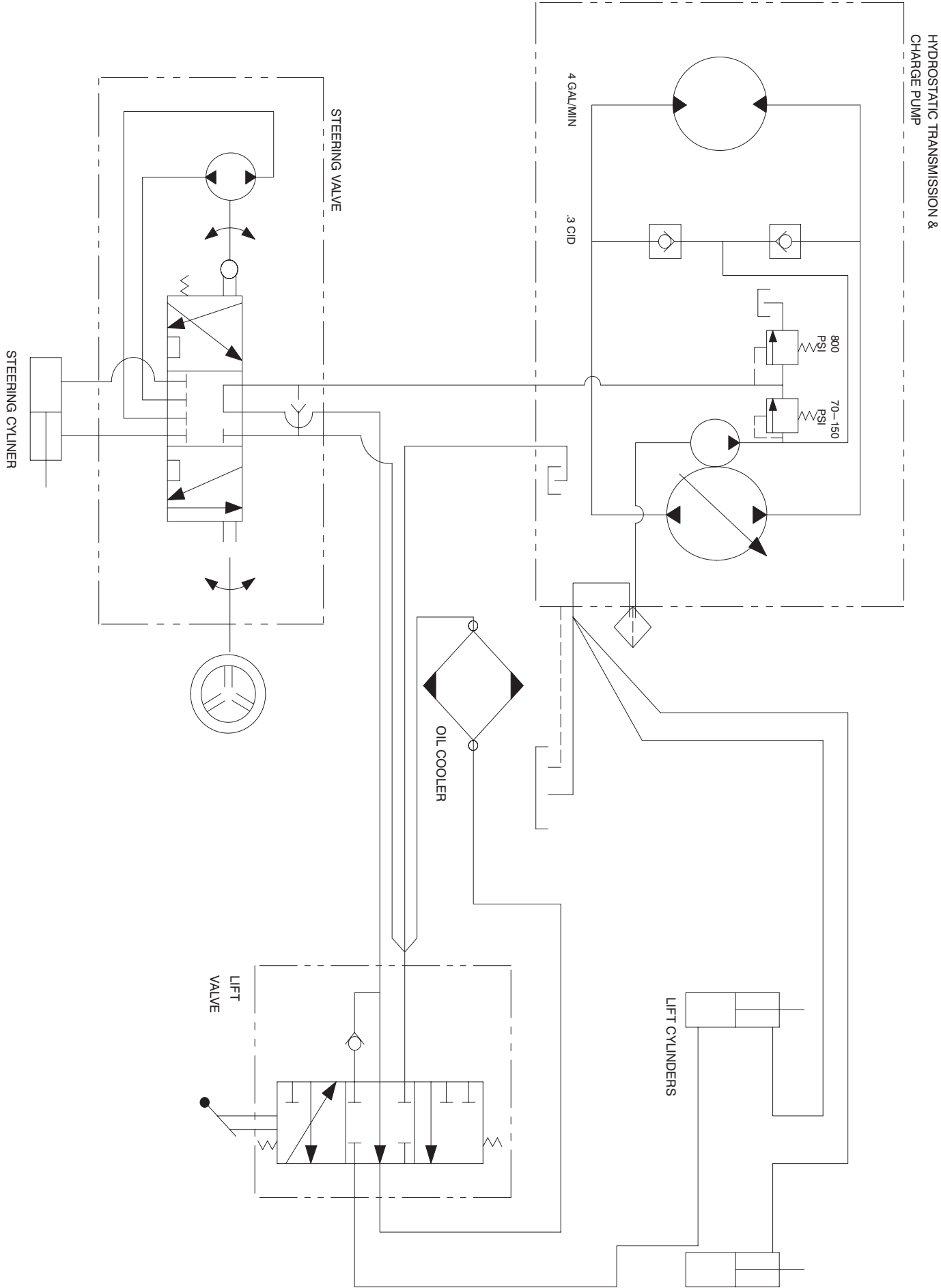
\* Not illustrated

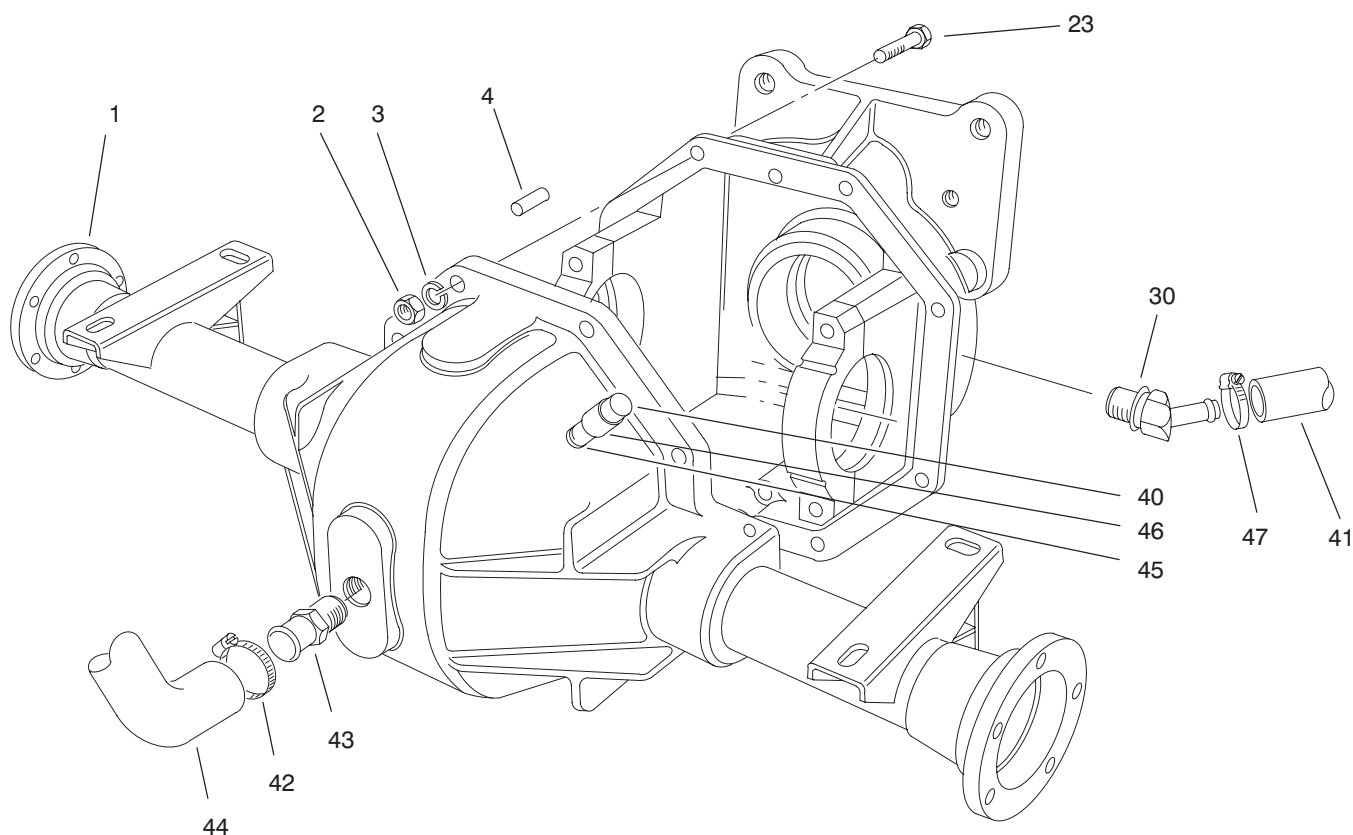
# Electrical Schematic



| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

# Hydraulic Schematic





Sheet No.:1

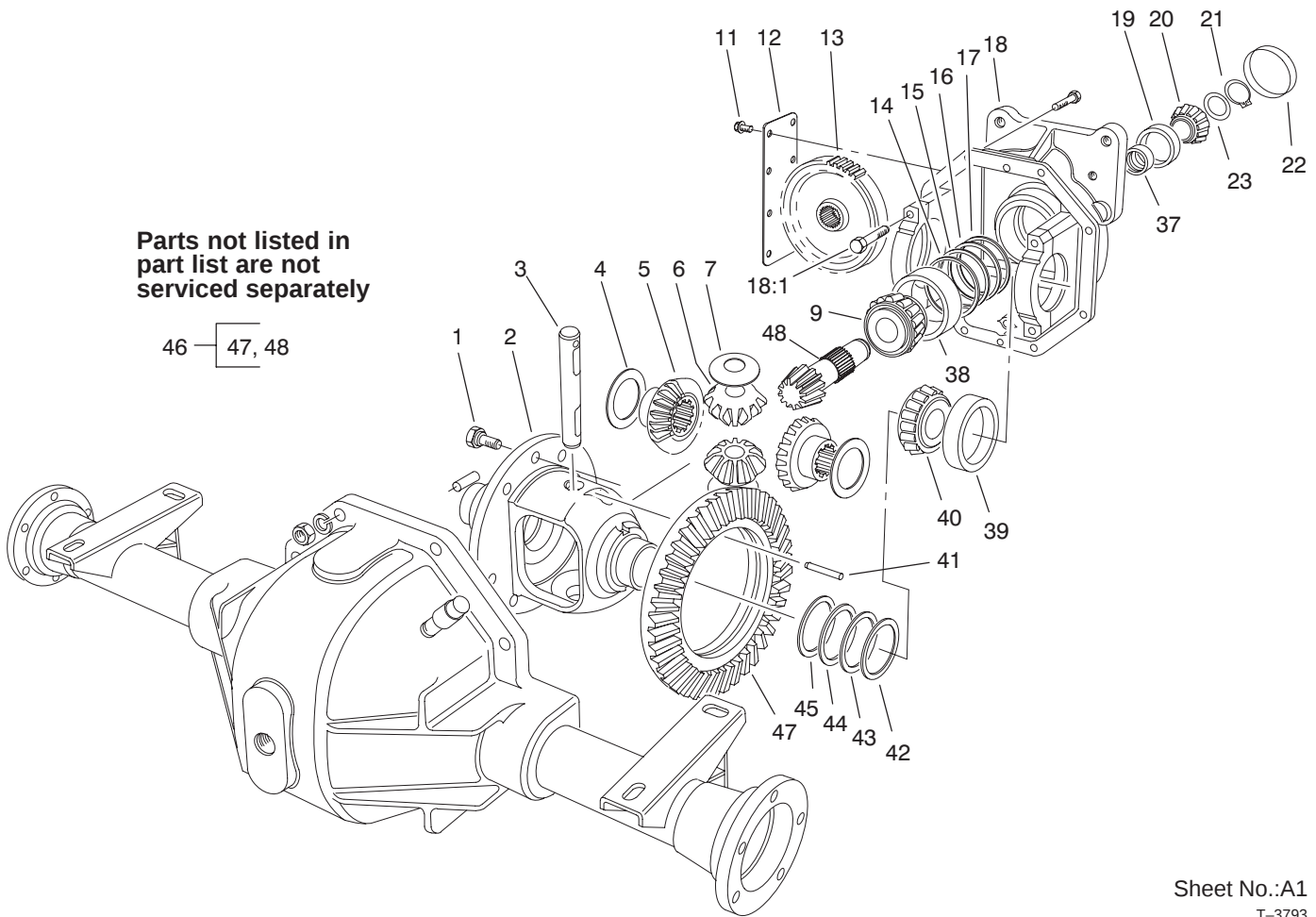
T-3792

# Differential Assembly

| Ref. No. | Part No.   | Qty. | Description                               |
|----------|------------|------|-------------------------------------------|
| 1        | 63-8090-03 | 1    | Lower Housing ASM                         |
| 2        | 3219-2     | 8    | Nut-Hex                                   |
| 3        | 3255-8     | 8    | Washer-Lock/Ext                           |
| 4        | 21-8270    | 2    | Pin-Dowel                                 |
| 23       | 3210-7     | 8    | Screw-HH                                  |
| 30       | 92-5088    | 1    | Fitting-45°, Barbed                       |
| 40       | 72-9420    | 1    | Vent                                      |
| 41       | 92-5083    | 1    | Hose-Hydraulic                            |
| 42       | 2412-34    | 2    | Clamp-Hose                                |
| 43       | 354-71     | 1    | Fitting-HYD, Barbed                       |
| 44       | 77-0550    | 1    | Hose-Differential Fill                    |
| 45       | 289-6      | 1    | Nipple-Pipe                               |
| 46       | 2810-1     | 1    | Coupling                                  |
| 47       | 2412-119   | 1    | Clamp-Hose                                |
| *49      | 92-4909    | 1    | Differential Carrier ASM (only on: 30241) |
| *50      | 92-4907    | 1    | Differential Carrier ASM (only on: 30242) |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

\* Not illustrated



Sheet No.:A1

T-3793

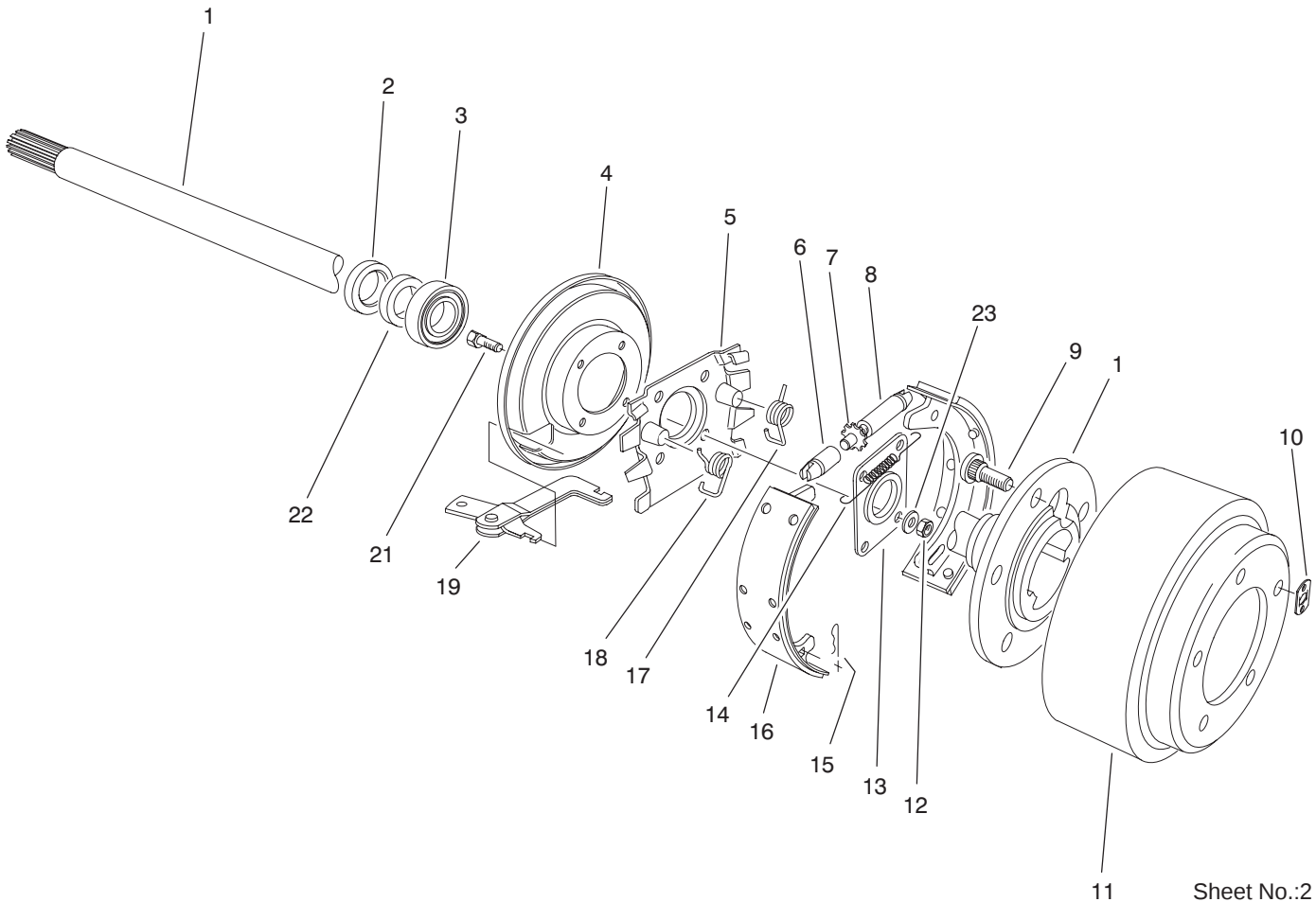
## Differential Carrier Assembly No. 92-4909(Only On: 30241)

| Ref. No. | Part No. | Qty. | Description                |
|----------|----------|------|----------------------------|
| 1        | 21-7770  | 5    | Screw—Gear, Drive          |
| 2        | 21-7670  | 1    | Case—Differential          |
| 3        | 21-7700  | 1    | Shaft—Pinion Mate          |
| 4        | 21-7720  | 2    | Washer—Thrust              |
| 5        | 24-8790  | 2    | Gear—Differential          |
| 6        | 21-7690  | 2    | Pinion—Differential        |
| 7        | 21-7730  | 2    | Washer—Thrust, Pinion      |
| 9        | 43-6760  | 1    | Bearing—Roller, Cone Taper |
| 11       | 12-5450  | 8    | Screw                      |
| 12       | 21-7830  | 1    | Cover—Gear                 |
| 13       | 86-7230  | 1    | Gear—Input, Transmission   |
| 14       | 43-6710  | 1    | Shim                       |
| 15       | 43-6711  | 1    | Shim                       |
| 16       | 43-6712  | 1    | Shim                       |
| 17       | 43-6713  | 1    | Shim                       |
| 18       | 86-7930  | 1    | Upper Housing ASM          |
| 18:1     | 92-1773  | 4    | Screw—HHF                  |
| 19       | 254-90   | 1    | Bearing—Cup                |
| 20       | 254-91   | 1    | Cone—Bearing               |
| 21       | 43-6550  | 1    | Ring—Snap                  |
| 22       | 21-7850  | 1    | Cup Plug                   |
| 23       | 46-2210  | 1    | Shim—Front Bearing, .031   |
| *24      | 46-2211  | 1    | Shim—Front Bearing,        |

| Ref. No. | Part No. | Qty. | Description              |
|----------|----------|------|--------------------------|
|          |          |      | .033                     |
| *25      | 46-2212  | 1    | Shim—Front Bearing, .035 |
| *26      | 46-2213  | 1    | Shim—Front Bearing, .037 |
| *27      | 46-2214  | 1    | Shim—Front Bearing, .039 |
| *28      | 46-2215  | 1    | Shim—Front Bearing, .041 |
| *29      | 46-2216  | 1    | Shim—Front Bearing, .043 |
| *30      | 46-2220  | 1    | Shim—Front Bearing, .045 |
| *31      | 46-2221  | 1    | Shim—Front Bearing, .047 |
| *32      | 46-2222  | 1    | Shim—Front Bearing, .049 |
| *33      | 46-2223  | 1    | Shim—Front Bearing, .051 |
| *34      | 46-2224  | 1    | Shim—Front Bearing, .053 |
| *35      | 46-2225  | 1    | Shim—Front Bearing, .055 |

\* Not illustrated





Sheet No.:2

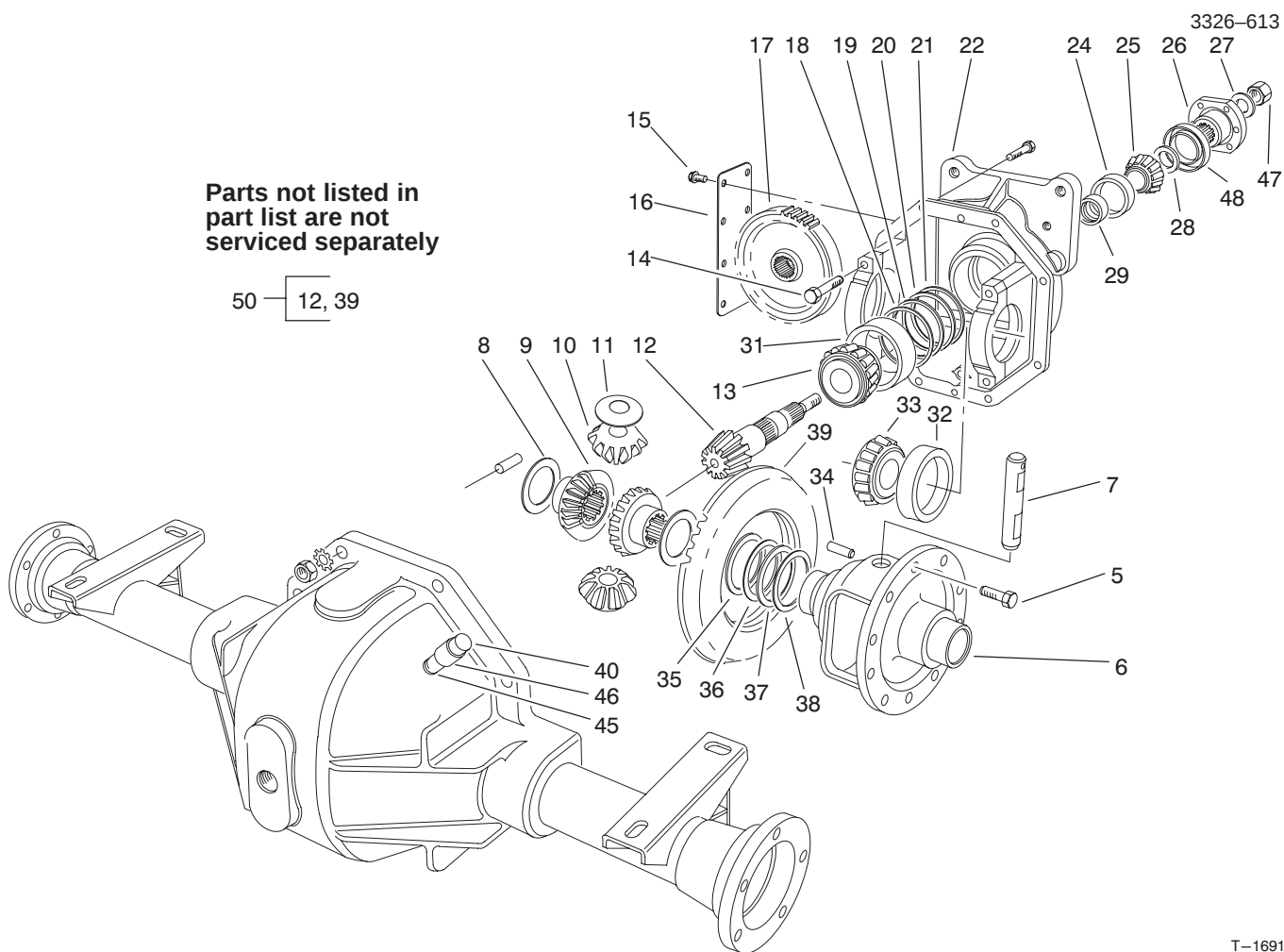
T-2664

## Brake Assembly

| Ref. No. | Part No. | Qty. | Description                   |
|----------|----------|------|-------------------------------|
| *1       | 27-6851  | 1    | RH Flanged Axle Shaft         |
| 1        | 27-6861  | 1    | LH Flanged Axle Shaft         |
| 2        | 92-1774  | 2    | Seal-Oil                      |
| 3        | 21-8180  | 2    | Bearing ASM                   |
| 4        | 21-9450  | 2    | Shield-Dust                   |
| 5        | 43-6810  | 2    | Spider-Torque                 |
| 6        | 21-9390  | 2    | Socket-Adjusting, Screw       |
| 7        | 21-9370  | 2    | Screw-Adjusting               |
| 8        | 21-9380  | 2    | Nut-Pivot                     |
| 9        | 242-34   | 10   | Stud-Drive                    |
| 10       | 21-8360  | 2    | Locknut                       |
| 11       | 28-0680  | 2    | Drum-Brake                    |
| 12       | 94-6935  | 8    | Locknut                       |
| 13       | 28-0670  | 2    | Seal-Grease                   |
| 14       | 21-9440  | 2    | Spring-Adjusting Screw        |
| 15       | 21-9460  | 4    | Retainer-Lever, Brake         |
| 16       | 84-8600  | 1    | Set-4 Shoes, Brake            |
| 17       | 21-9430  | 2    | Spring-Return, RH             |
| 18       | 21-9420  | 2    | Spring-Return, LH             |
| 19       | 24-9180  | 2    | Strut And Lever ASM           |
| 21       | 94-6934  | 8    | Screw-HH, Brake               |
| 22       | 24-8840  | 2    | Ring-Retaining, Wheel Bearing |

| Ref. No. | Part No. | Qty. | Description       |
|----------|----------|------|-------------------|
| 23       | 94-6936  | 8    | Washer-Hardened   |
| *24      | 92-8775  | 1    | Kit-Liquid Gasket |

\* Not illustrated

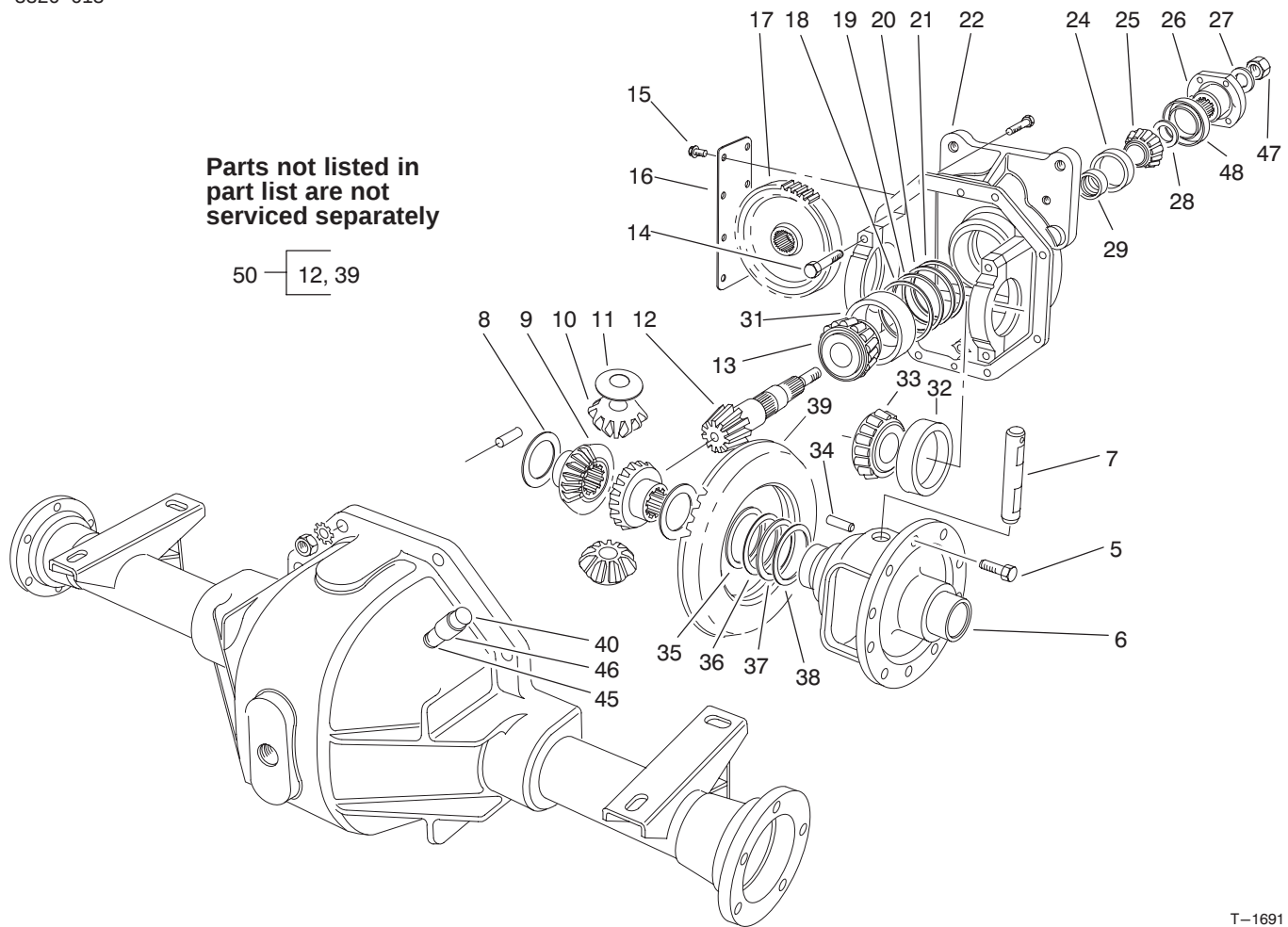


## Differential Carrier Assembly No. 92-4907(Only on: 30242)

| Ref. No. | Part No. | Qty. | Description                              |
|----------|----------|------|------------------------------------------|
| 5        | 21-7770  | 5    | Screw—Drive Gear                         |
| 6        | 21-7670  | 1    | Differential Case                        |
| 7        | 21-7700  | 1    | Shaft—Pinion Mate                        |
| 8        | 21-7720  | 2    | Washer—Thrust                            |
| 9        | 24-8790  | 2    | Gear—Bevel, Differential                 |
| 10       | 21-7690  | 2    | Gear—Pinion                              |
| 11       | 21-7730  | 2    | Washer—Thrust                            |
| 12       |          | 1    | Drive Pinion                             |
| 13       | 43-6760  | 1    | Cone—Bearing, Tapered                    |
| 14       | 92-1773  | 4    | Screw—HH                                 |
| 15       | 12-5450  | 8    | Screw—Thread Forming                     |
| 16       | 21-7830  | 1    | Cover—Gear                               |
| 17       | 86-7230  | 1    | Gear—Spur                                |
| 18       | 43-6710  | A/R  | Shim Adjusting Differential Bearing .003 |
| 19       | 43-6711  | A/R  | Shim Adjusting Differential Bearing .005 |
| 20       | 43-6712  | A/R  | Shim Adjusting Differential Bearing .010 |
| 21       | 43-6713  | A/R  | Shim Adjusting Differential              |

| Ref. No. | Part No. | Qty. | Description                                     |
|----------|----------|------|-------------------------------------------------|
| 22       | 86-7190  | 1    | Bearing .030 Asm—Upper Housing (Incl. Ref. #14) |
| 24       | 254-90   | 1    | Cup—Bearing                                     |
| 25       | 254-91   | 1    | Cone—Bearing                                    |
| 26       | 68-7010  | 1    | Flange                                          |
| 27       | 71-4340  | 1    | Washer                                          |
| 28       | 72-3570  | A/R  | Shim .094—Diff. Adjust.                         |
| *        | 72-3571  | A/R  | Shim .096—Diff. Adjust.                         |
| *        | 72-3572  | A/R  | Shim .098—Diff. Adjust.                         |
| *        | 72-3573  | A/R  | Shim .100—Diff. Adjust.                         |
| *        | 72-3574  | A/R  | Shim .102—Diff. Adjust.                         |
| *        | 72-3575  | A/R  | Shim .104—Diff. Adjust.                         |
| *        | 72-3576  | A/R  | Shim .106—Diff. Adjust.                         |
| *        | 72-3577  | A/R  | Shim .108—Diff. Adjust.                         |
| *        | 72-3578  | A/R  | Shim .110—Diff. Adjust.                         |
| *        | 72-3580  | A/R  | Shim .112—Diff. Adjust.                         |
| *        | 72-3581  | A/R  | Shim .114—Diff. Adjust.                         |

\*Not Illustrated



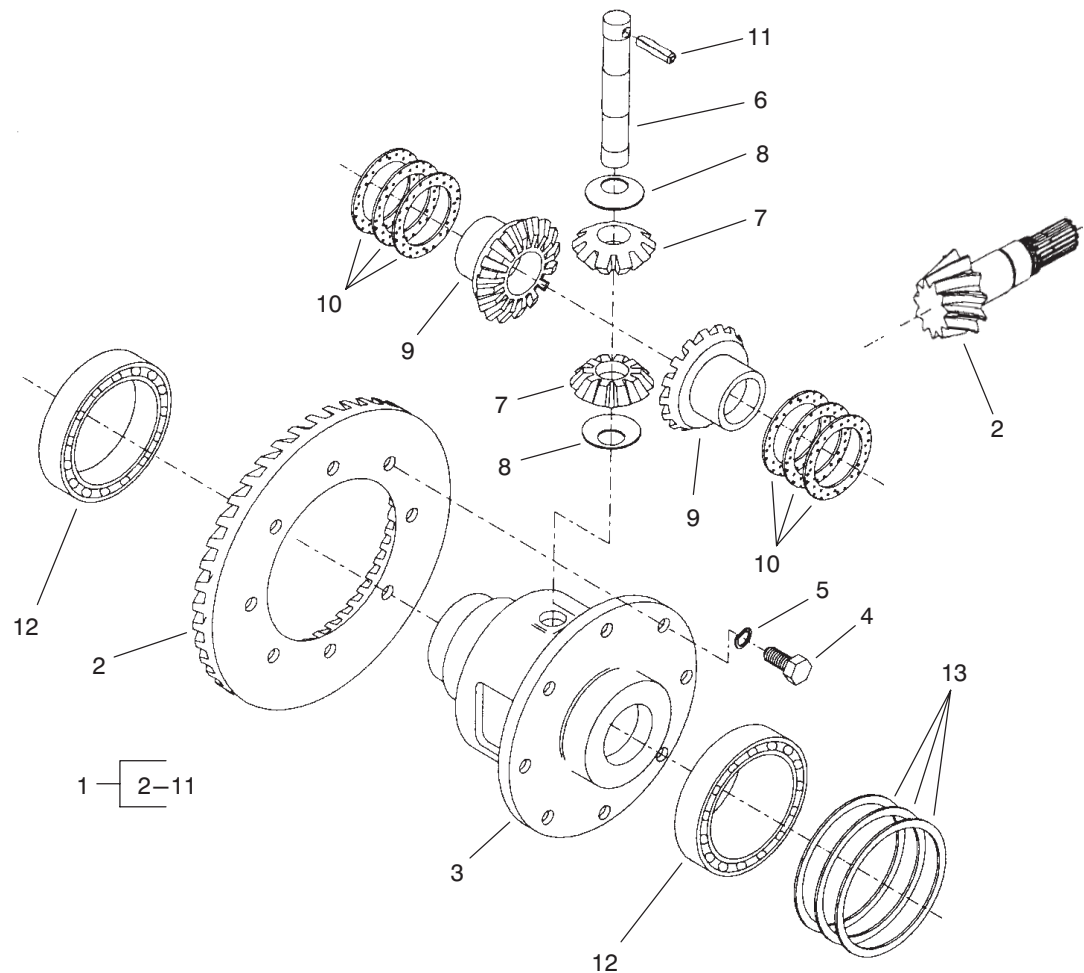
## Differential Carrier Assembly No. 92-4907(Continued) (Only On: 30242)

| Ref. No. | Part No. | Qty. | Description                    |
|----------|----------|------|--------------------------------|
| *        | 72-3583  | A/R  | Shim .118-Diff. Adjust.        |
| *        | 72-3584  | A/R  | Shim .120-Diff. Adjust.        |
| *        | 72-3585  | A/R  | Shim .125-Diff. Adjust.        |
| *        | 72-3586  | A/R  | Shim .127-Diff. Adjust.        |
| *        | 72-3587  | A/R  | Shim .129-Diff. Adjust.        |
| *        | 72-3588  | A/R  | Shim .131-Diff. Adjust.        |
| *        | 72-3582  | A/R  | Shim .116-Diff. Adjust.        |
| 28       | 72-3590  | A/R  | Shim .133-Diff. Adjust.        |
| *        | 72-3591  | A/R  | Shim .135-Diff. Adjust.        |
| *        | 72-3592  | A/R  | Shim .137-Diff. Adjust.        |
| *        | 72-3593  | A/R  | Shim .139-Diff. Adjust.        |
| *        | 72-3594  | A/R  | Shim .141-Diff. Adjust.        |
| *        | 72-3595  | A/R  | Shim .143-Diff. Adjust.        |
| *        | 72-3596  | A/R  | Shim .145-Diff. Adjust.        |
| *        | 72-3597  | A/R  | Shim .147-Diff. Adjust.        |
| *        | 72-3598  | A/R  | Shim .149-Diff. Adjust.        |
| *        | 72-3600  | A/R  | Shim .151-Diff. Adjust.        |
| 29       | 21-8020  | 1    | Spacer-Bearing                 |
| 31       | 43-6750  | 1    | Cup-Bearing                    |
| 32       | 254-66   | 2    | Cup-Bearing                    |
| 33       | 254-65   | 2    | Cone-Bearing                   |
| 34       | 32121-15 | 1    | Pin-Roll                       |
| 35       | 21-8090  | A/R  | Differential Adjust. Shim .003 |

| Ref. No. | Part No. | Qty. | Description                    |
|----------|----------|------|--------------------------------|
| 36       | 21-8100  | A/R  | Differential Adjust. Shim .005 |
| 37       | 21-8110  | A/R  | Differential Adjust. Shim .010 |
| 38       | 21-8120  | A/R  | Differential Adjust. Shim .030 |
| 39       |          | 1    | Gear-Ring                      |
| 47       | 71-4350  | 1    | Nut                            |
| 48       | 71-4330  | 1    | Seal                           |
| 50       | 92-1676  | 1    | Asm-Gear & Pinion              |

\*Not Illustrated



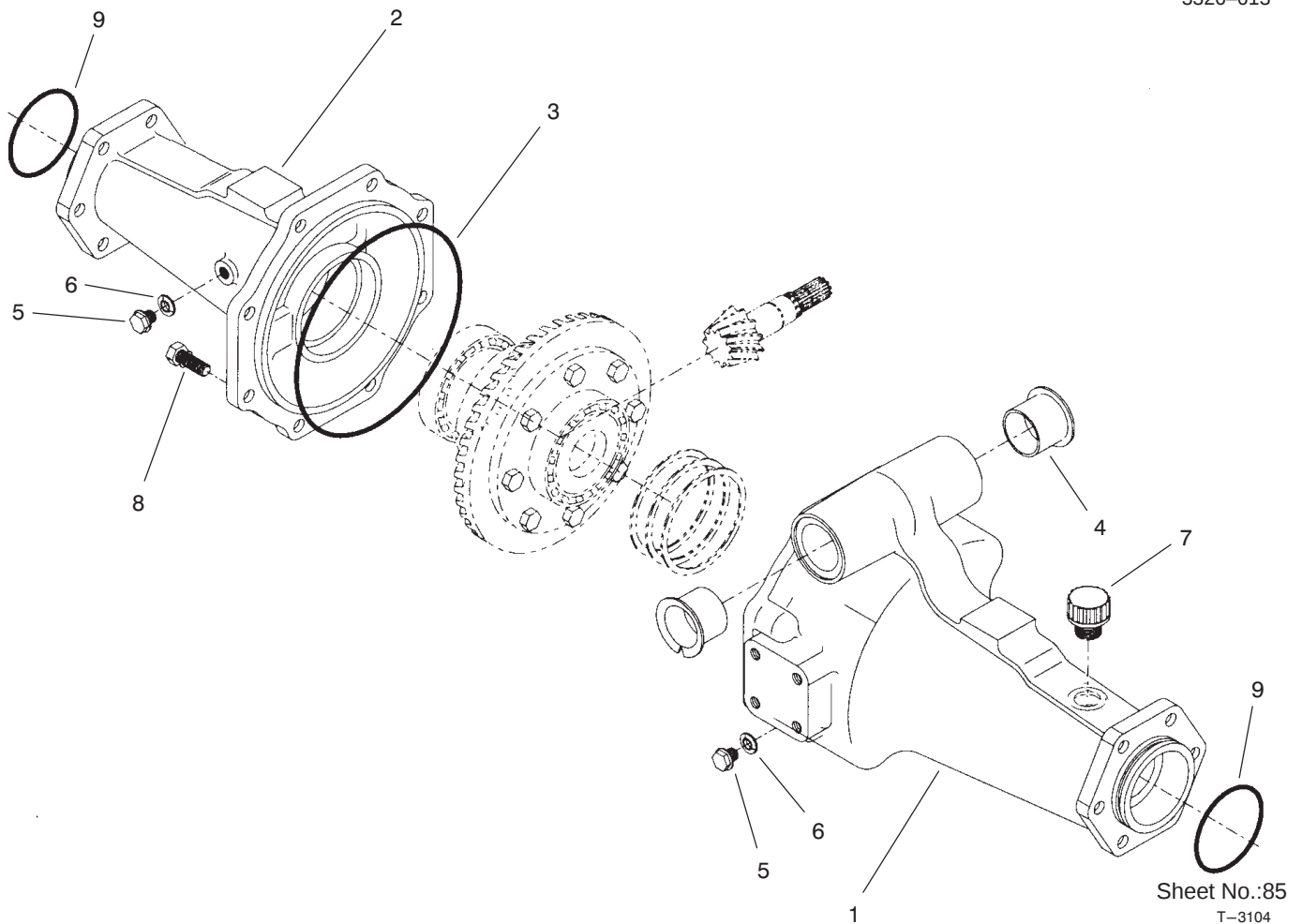


Sheet No.:84  
T-3103

**4 Wheel Drive Rear Axle Assembly No. 95-7501**  
**(Continued)**  
**Differential Assembly (only on: 30631)**

| Ref. No. | Part No. | Qty. | Description                    | Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|--------------------------------|----------|----------|------|-------------|
| 1        | 95-7503  | 1    | Differential ASM               |          |          |      |             |
| 2        | 100-2555 | 1    | Ring And Pinion<br>Matched Set |          |          |      |             |
| 3        | 95-7502  | 1    | Case-Differential              |          |          |      |             |
| 4        | 99-7576  | 8    | Bolt                           |          |          |      |             |
| 5        | 99-7577  | 8    | Washer-Spring                  |          |          |      |             |
| 6        | 99-7578  | 1    | Shaft-Differential             |          |          |      |             |
| 7        | 99-7579  | 2    | Pinion-Differential            |          |          |      |             |
| 8        | 99-7580  | 2    | Washer-Differential            |          |          |      |             |
| 9        | 99-7581  | 2    | Gear-Differential              |          |          |      |             |
| 10       | 99-7582  | 2    | Washer-Differential            |          |          |      |             |
| *10      | 99-7583  | 2    | Washer-Differential            |          |          |      |             |
| *10      | 99-7584  | 2    | Washer-Differential            |          |          |      |             |
| 11       | 99-7588  | 1    | Pin-Spring                     |          |          |      |             |
| 12       | 99-7562  | 2    | Bearing-Ball                   |          |          |      |             |
| 13       | 99-7585  | 2    | Shim 0.1                       |          |          |      |             |
| *13      | 99-7586  | 2    | Shim 0.2                       |          |          |      |             |
| *13      | 99-7587  | 2    | Shim 0.4                       |          |          |      |             |

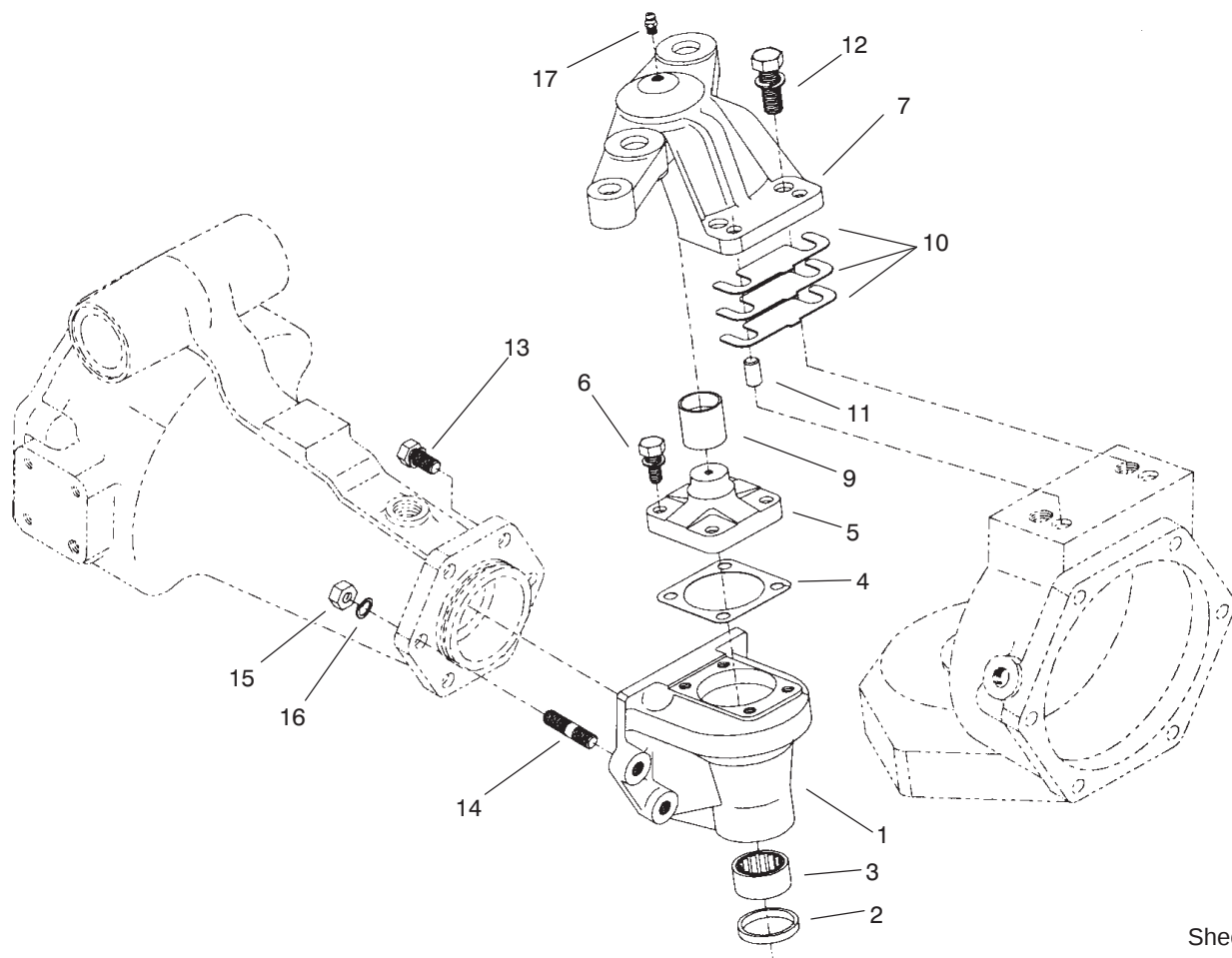
\* Not illustrated



## 4 Wheel Drive Rear Axle Assembly No. 95-7501 (Continued) Axle Support Assembly (only on: 30631)

| Ref. No. | Part No. | Qty. | Description     |
|----------|----------|------|-----------------|
| 1        | 95-7508  | 1    | Support-Axle    |
| 2        | 95-7506  | 1    | Support-Axle    |
| 3        | 95-7507  | 1    | O-Ring          |
| 4        | 95-7537  | 2    | Bushing-Flanged |
| 5        | 99-7589  | 2    | Plug            |
| 6        | 99-7590  | 2    | Washer-Seal     |
| 7        | 99-7591  | 1    | Oil Plug ASM    |
| 8        | 99-7592  | 8    | Bolt            |
| 9        | 99-7593  | 2    | O-Ring          |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:86

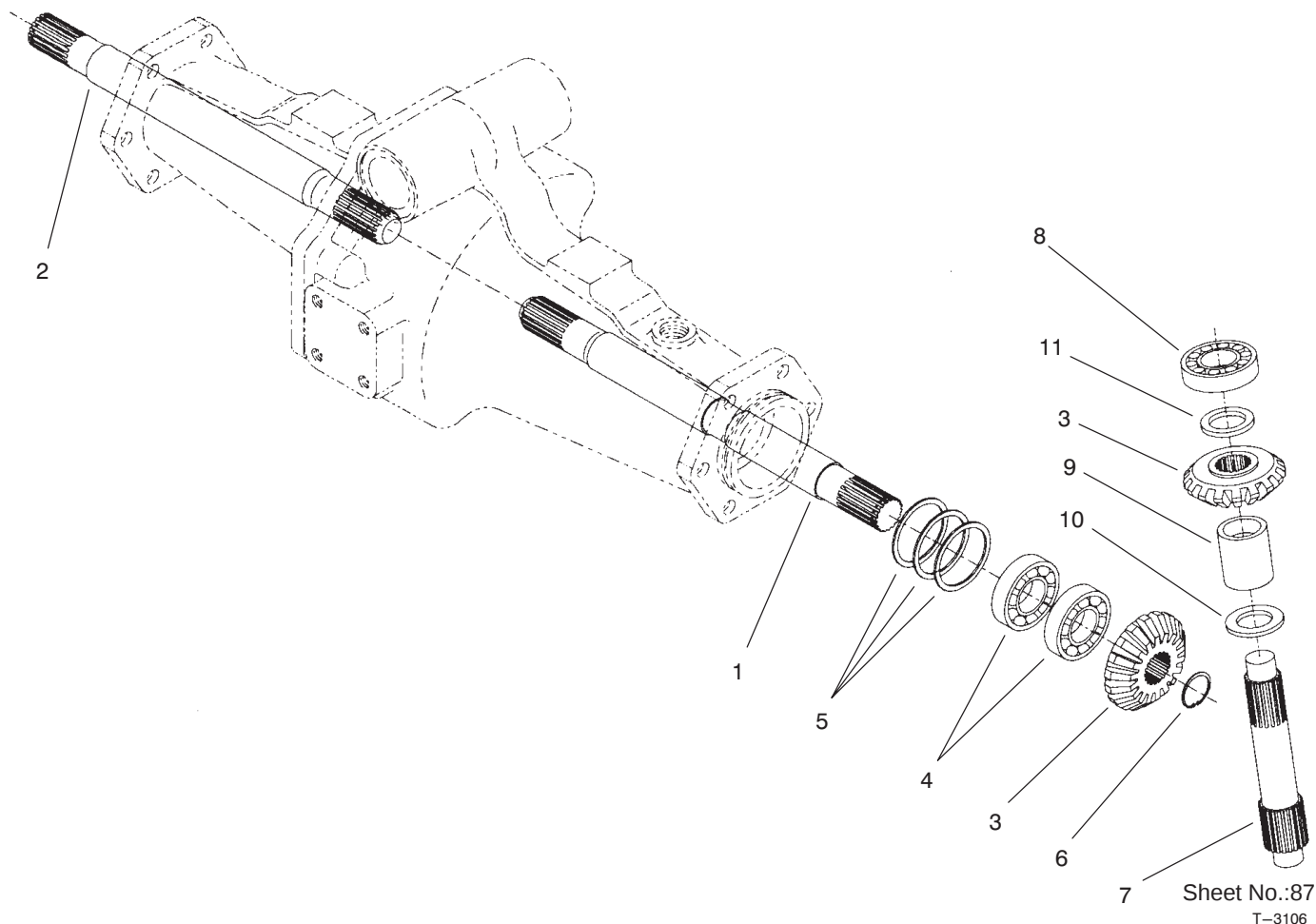
T-3105

## 4 Wheel Drive Rear Axle Assembly No. 95-7501 (Continued) Bevel Gear Case Assembly (only on: 30631)

| Ref. No. | Part No. | Qty. | Description              |
|----------|----------|------|--------------------------|
| 1        | 95-7539  | 2    | Case-Bevel Gear          |
| 2        | 99-7594  | 2    | Seal-Oil                 |
| 3        | 99-7595  | 2    | Bearing-Needle           |
| 4        | 95-7511  | 2    | Gasket                   |
| 5        | 95-7510  | 2    | Pin-Knuckle              |
| 6        | 99-7596  | 8    | Bolt                     |
| 7        | 95-7514  | 1    | Support-Axle Case,<br>RH |
| *8       | 95-7516  | 1    | Support-Axle Case,<br>LH |
| 9        | 99-7529  | 2    | Bushing                  |
| 10       | 95-7547  | 2    | Shim 0.1                 |
| *10      | 95-7548  | 2    | Shim 0.2                 |
| *10      | 95-7549  | 2    | Shim 0.4                 |
| 11       | 99-7597  | 4    | Pin-Dowel                |
| 12       | 99-7598  | 4    | Bolt                     |
| 13       | 99-7599  | 8    | Bolt                     |
| 14       | 99-7525  | 4    | Stud                     |
| 15       | 99-7526  | 4    | Nut                      |
| 16       | 99-7527  | 4    | Washer-Spring            |
| 17       | 99-7528  | 2    | Nipple-Grease            |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

\* Not illustrated

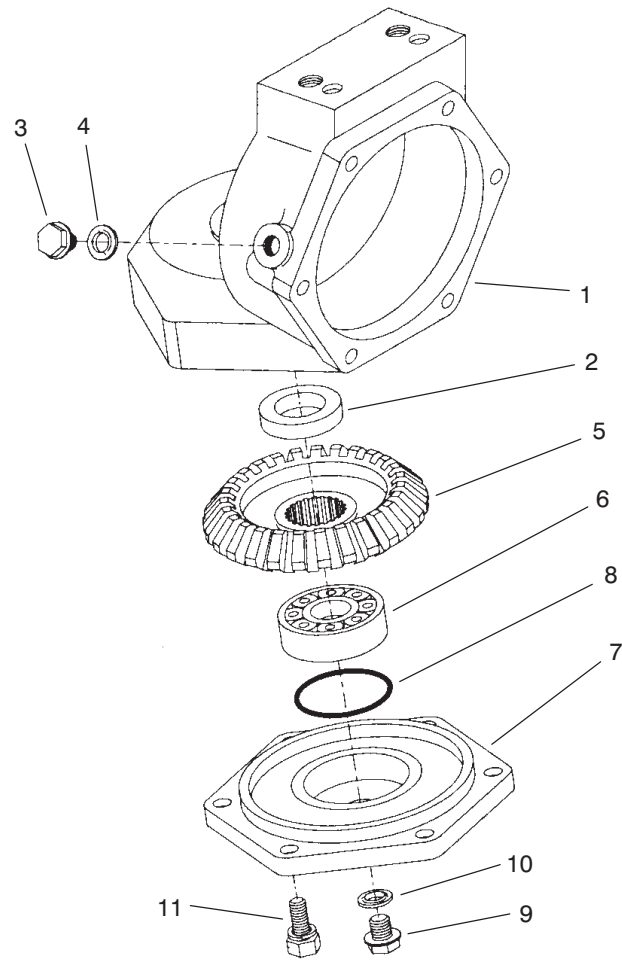


## 4 Wheel Drive Rear Axle Assembly No. 95-7501 (Continued) Bevel Gear Shaft Assembly (only on: 30631)

| Ref. No. | Part No. | Qty. | Description                 |
|----------|----------|------|-----------------------------|
| 1        | 95-7509  | 1    | Shaft-Gear,<br>Differential |
| 2        | 95-7512  | 1    | Shaft-Gear,<br>Differential |
| 3        | 95-7518  | 4    | Gear-18 Bevel               |
| 4        | 99-7530  | 4    | Bearing-Ball                |
| 5        | 99-7552  | 2    | Shim 0.1                    |
| *5       | 99-7553  | 2    | Shim 0.2                    |
| *5       | 99-7554  | 2    | Shim 0.5                    |
| 6        | 99-7531  | 2    | Clip                        |
| 7        | 95-7530  | 2    | Shaft-Bevel Gear            |
| 8        | 99-7532  | 2    | Bearing-Taper Roller        |
| 9        | 95-7543  | 2    | Spacer                      |
| 10       | 99-7533  | 2    | Collar-Thrust               |
| 11       | 99-7558  | 2    | Collar                      |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

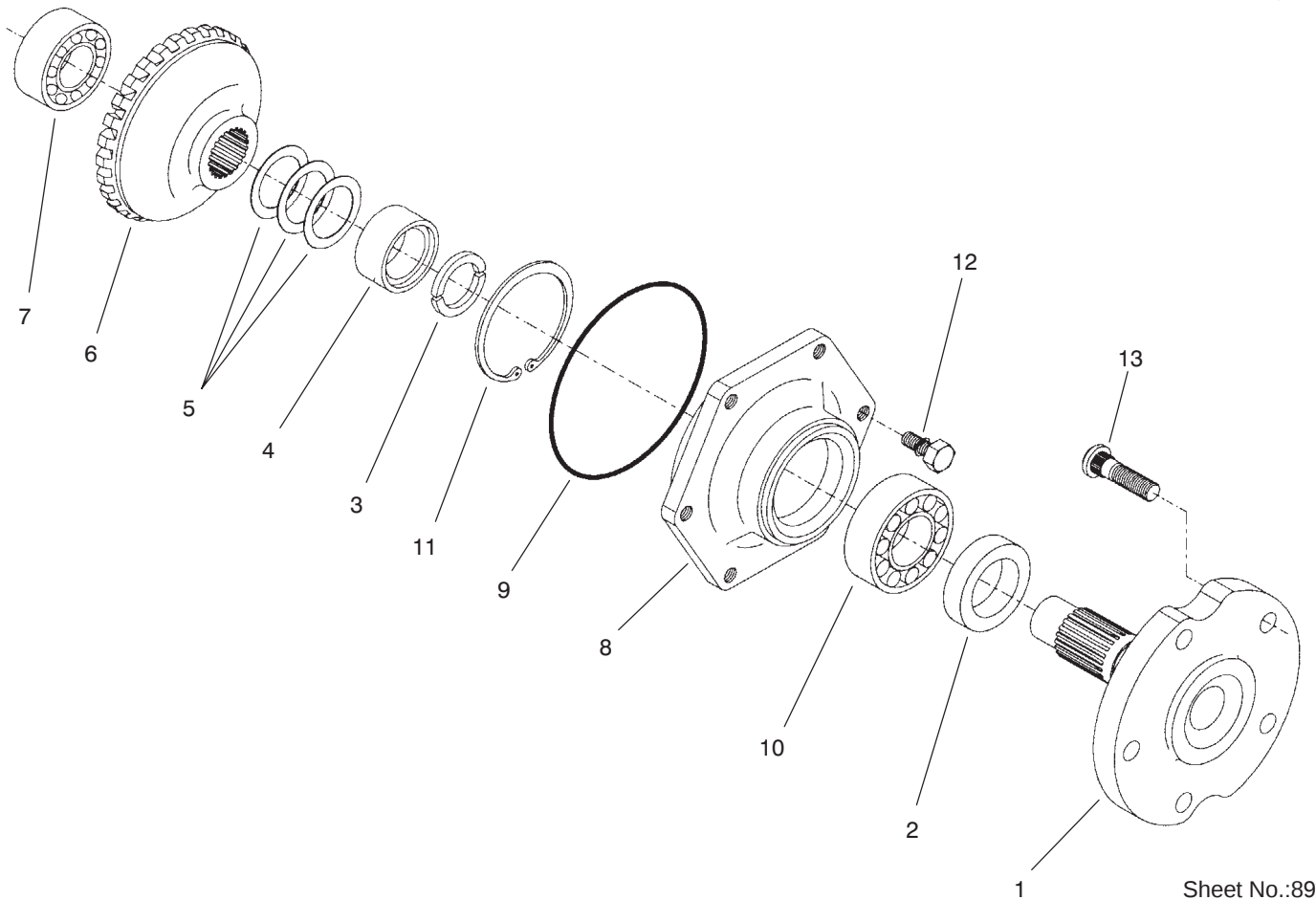
\* Not illustrated



Sheet No.:88  
T-3107

**4 Wheel Drive Rear Axle Assembly No. 95-7501  
(Continued)  
Axle Case Assembly (only on: 30631)**

| Ref. No. | Part No. | Qty. | Description          | Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|----------------------|----------|----------|------|-------------|
| 1        | 95-7532  | 2    | Case-Axle            |          |          |      |             |
| 2        | 99-7594  | 2    | Seal-Oil             |          |          |      |             |
| 3        | 99-7535  | 2    | Plug                 |          |          |      |             |
| 4        | 99-7536  | 2    | Washer-Seal          |          |          |      |             |
| 5        | 95-7528  | 2    | Gear-27 Bevel        |          |          |      |             |
| 6        | 99-7532  | 2    | Bearing-Taper Roller |          |          |      |             |
| 7        | 95-7526  | 2    | Cover-Axle           |          |          |      |             |
| 8        | 99-7537  | 2    | O-Ring               |          |          |      |             |
| 9        | 99-7589  | 2    | Plug                 |          |          |      |             |
| 10       | 99-7590  | 2    | Washer-Seal          |          |          |      |             |
| 11       | 99-7596  | 12   | Bolt                 |          |          |      |             |



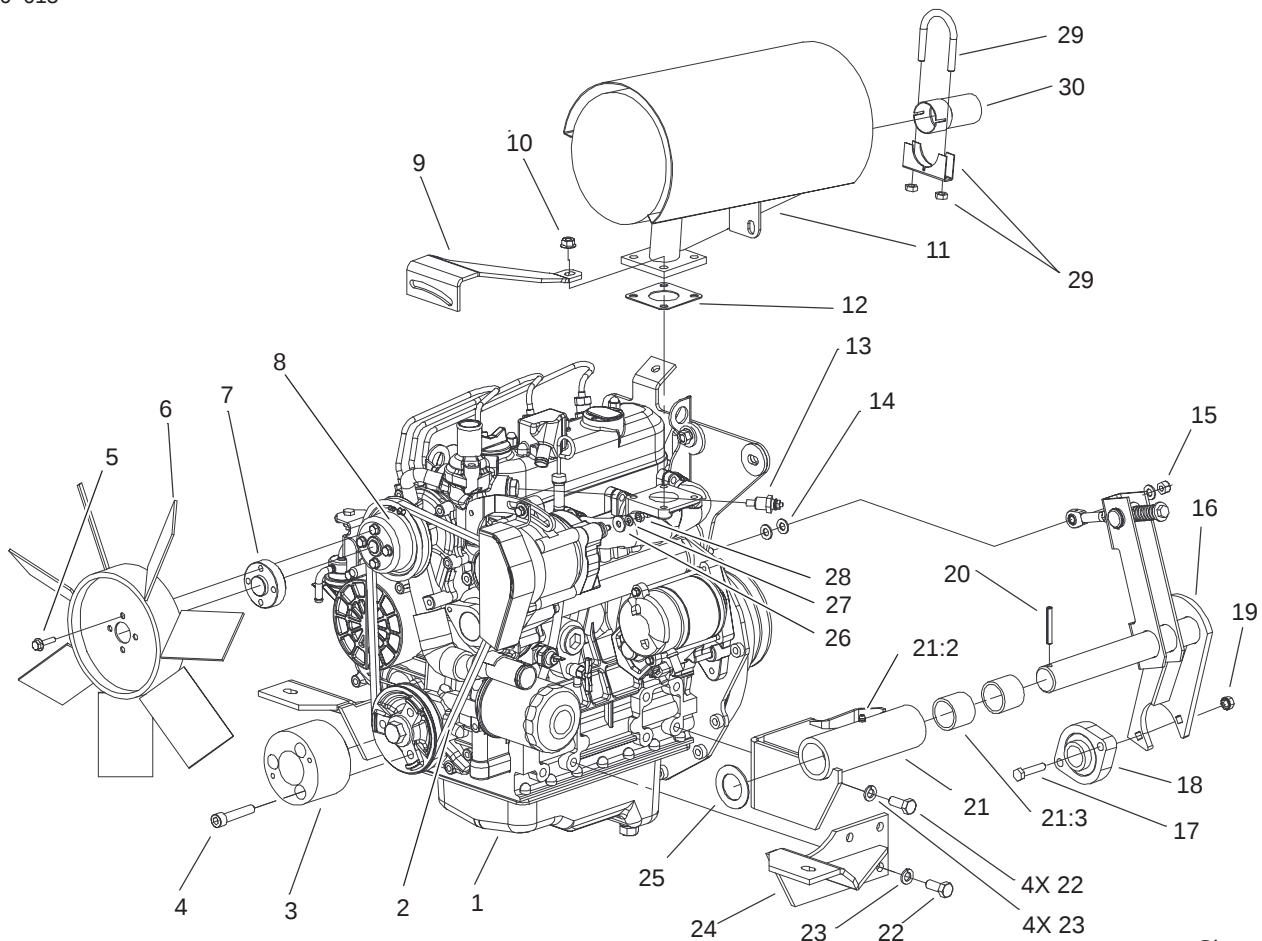
Sheet No.:89  
T-3108

## 4 Wheel Drive Rear Axle Assembly No. 95-7501 (Continued) Axle Assembly (only on: 30631)

| Ref. No. | Part No. | Qty. | Description   |
|----------|----------|------|---------------|
| 1        | 95-7522  | 2    | Axle          |
| 2        | 99-7564  | 2    | Seal-Oil      |
| 3        | 95-7544  | 4    | Clip          |
| 4        | 95-7523  | 2    | Spacer        |
| 5        | 99-7555  | 2    | Shim 0.3      |
| *5       | 99-7556  | 2    | Shim 0.2      |
| *5       | 99-7557  | 2    | Shim 0.5      |
| 6        | 95-7525  | 2    | Gear-27 Bevel |
| 7        | 99-7534  | 2    | Bearing-Ball  |
| 8        | 95-7521  | 2    | Cover-Axle    |
| 9        | 99-7538  | 2    | O-Ring        |
| 10       | 99-7561  | 2    | Bearing-Ball  |
| 11       | 99-7539  | 2    | Clip          |
| 12       | 99-7596  | 12   | Bolt          |
| 13       | 99-7563  | 10   | Stud          |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

\* Not illustrated



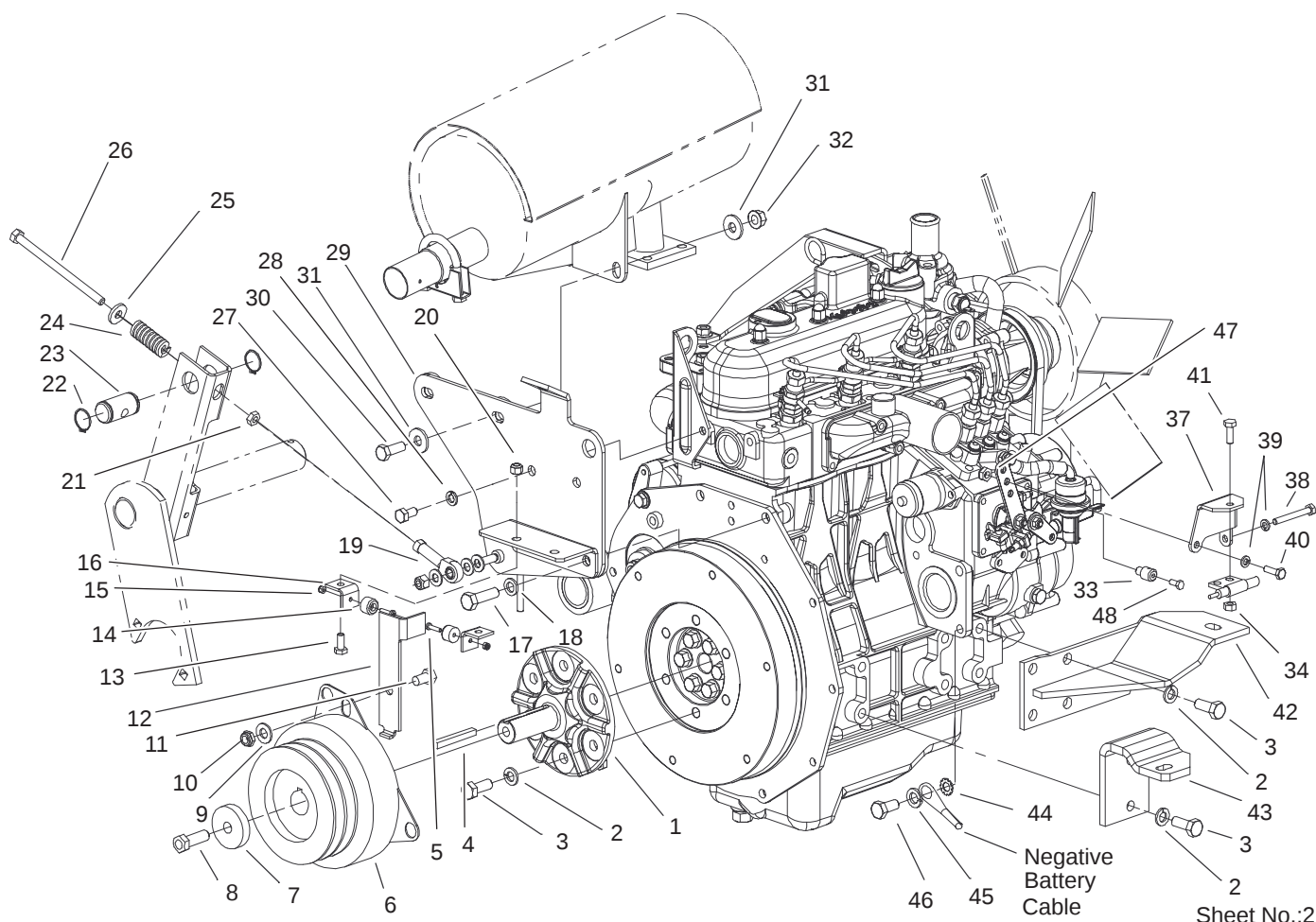
Sheet No.:1

## Engine and Mounting Components Assembly

| Ref. No. | Part No.    | Qty. | Description             |
|----------|-------------|------|-------------------------|
| 1        | 104-3448    | 1    | Engine-Kubota           |
| 2        | 104-3494    | 1    | Belt-V                  |
| 3        | 104-1723-03 | 1    | Adaptor-Front Drive     |
| 4        | 3274-106    | 3    | Screw-HSH               |
| 5        | 33103-025   | 4    | Screw-HHF               |
| 6        | 104-4246    | 1    | Fan-Engine              |
| 7        | 105-0000    | 1    | Spacer-Fan              |
| 8        | 104-3497    | 1    | Pulley-Fan              |
| 9        | 105-2556-03 | 1    | Brace-Alternator, Upper |
| 10       | 68-9400     | 4    | Nut-Flange              |
| 11       | 104-3426    | 1    | Muffler-Exhaust         |
| 12       | 98-9611     | 1    | Gasket                  |
| 13       | 98-9346     | 1    | Sender-Temperature      |
| 14       | 3256-23     | 4    | Washer-Flat             |
| 15       | 3296-29     | 1    | Nut-Lock                |
| 16       | 63-6250-03  | 1    | Shaft-PTO Tension       |
| 17       | 322-7       | 2    | Screw-HH                |
| 18       | 92-8799     | 1    | Bearing-Flange          |
| *18:1    | 251-77      | 1    | Bearing-Lockcollar      |
| *18:2    | 3246-1      | 1    | Screw-Set               |
| *18:3    | 302-40      | 1    | Fitting-Grease          |
| 19       | 32149-1     | 2    | Nut                     |
| 20       | 32121-32    | 1    | Pin-Roll                |
| 21       | 104-3417    | 1    | Lr Engine Mount ASM     |
| 21:2     | 302-5       | 1    | Fitting-Grease          |

| Ref. No. | Part No.    | Qty. | Description        |
|----------|-------------|------|--------------------|
| 21:3     | 256-299     | 1    | Bushing-Straight   |
| 22       | 43-0090     | 8    | Screw-HH           |
| 23       | 42-9600     | 8    | Lockwasher-Spring  |
| 24       | 104-1702-03 | 1    | Engine Mount ASM   |
| 25       | 3-4324      | 1    | Washer-Flat        |
| 26       | 3256-78     | 1    | Washer-Flat        |
| 27       | 43-5930     | 1    | Washer-Spring      |
| 28       | 48-7890     | 1    | Nut                |
| 29       | 2112-9      | 1    | Clamp              |
| 30       | 105-4269    | 1    | Extension-Tailpipe |

\* Not illustrated

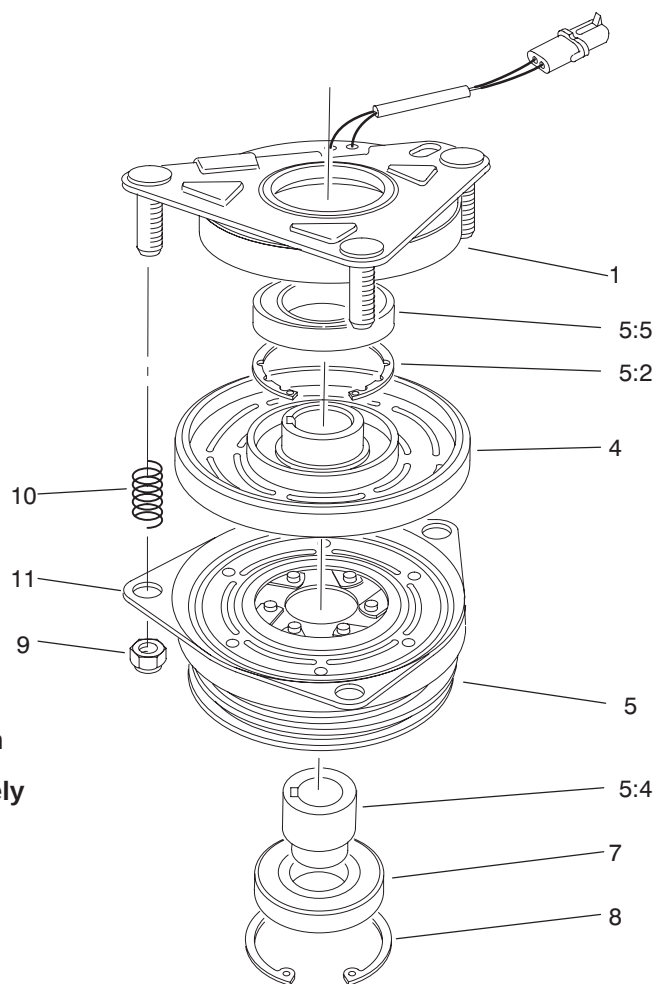


Sheet No.:2

## Engine and Mounting Components Assembly (Continued)

| Ref. No. | Part No.   | Qty. | Description               |
|----------|------------|------|---------------------------|
| 1        | 104-1715   | 1    | Hub-Clutch                |
| 2        | 42-9600    | 12   | Lockwasher-Spring         |
| 3        | 43-0090    | 12   | Screw-HH                  |
| 4        | 18-6430    | 1    | Key-Square                |
| 5        | 3250-39    | 2    | Screw-PPH                 |
| 6        | 100-6565   | 1    | Electric Clutch/Brake ASM |
| 7        | 105-3698   | 1    | Spacer                    |
| 8        | 3212-5     | 1    | Screw-HH                  |
| 9        | 3256-24    | 1    | Washer-Flat               |
| 10       | 3296-59    | 1    | Nut-Lock NI               |
| 11       | 323-34     | 1    | Screw-HH                  |
| 12       | 63-6690-03 | 1    | Lever-Clutch Anchor       |
| 13       | 321-3      | 2    | Screw-HH                  |
| 14       | 66-2910    | 2    | Bumper                    |
| 15       | 3296-9     | 2    | Nut-Lock NI               |
| 16       | 63-8230    | 2    | Angle-Clutch Anchor       |
| 17       | 56-2140    | 2    | Bolt                      |
| 18       | 48-9590    | 2    | Washer-Lock               |
| 19       | 66-2900    | 1    | Ball End-Female           |
| 20       | 3296-42    | 2    | Nut-Lock, NI              |
| 21       | 3220-2     | 1    | Nut                       |
| 22       | 32151-83   | 2    | Ring-Snap                 |
| 23       | 63-6290    | 1    | Pin-PTO Tension           |
| 24       | 3-6624     | 1    | Spring-Compression        |
| 25       | 4-2390     | 1    | Washer-Flat               |

| Ref. No. | Part No.    | Qty. | Description           |
|----------|-------------|------|-----------------------|
| 26       | 105-3692    | 1    | Screw-HH              |
| 27       | 48-7700     | 2    | Screw                 |
| 28       | 48-9570     | 2    | Washer                |
| 29       | 105-3673-03 | 1    | Muffler Mount ASM     |
| 30       | 323-44      | 2    | Screw-HH              |
| 31       | 80-6990     | 4    | Washer-Hardened       |
| 32       | 32128-21    | 2    | Nut-HF                |
| 33       | 105-4263    | 1    | Swivel-Throttle Cable |
| 34       | 3296-12     | 1    | Nut-Hex               |
| 37       | 104-3421-03 | 1    | Bracket-Throttle      |
| 38       | 60-6650     | 1    | Screw-HH              |
| 39       | 48-8020     | 2    | Washer-Spring         |
| 40       | 48-7630     | 1    | Screw                 |
| 41       | 32105-12    | 1    | Screw-HH              |
| 42       | 104-1710-03 | 1    | Engine Mount ASM      |
| 43       | 104-1713-03 | 1    | Mount-Engine          |
| 44       | 3255-9      | 1    | Washer-Lock/Ext       |
| 45       | 3253-6      | 1    | Washer-Lock           |
| 46       | 63-7790     | 1    | Screw-Cap             |
| 47       | 3296-20     | 1    | Nut-Lock, NI          |
| 48       | 25-8640     | 1    | Screw-HH              |



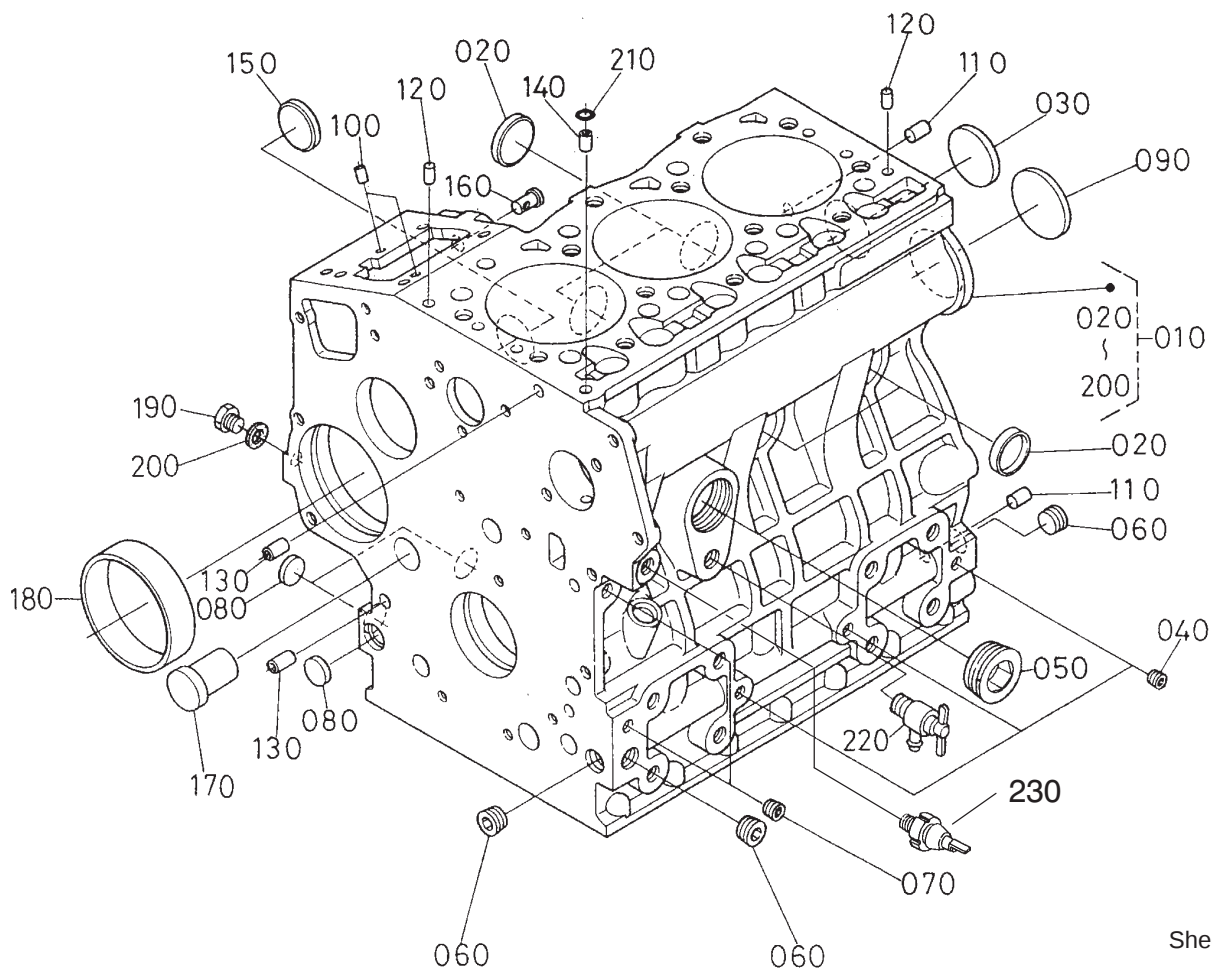
**Parts not listed in  
part list are not  
serviced separately**

Sheet No.:A4  
T-0544

## Electric Clutch/Brake Assembly No. 100-6565

| Ref. No. | Part No. | Qty. | Description              |
|----------|----------|------|--------------------------|
| 1        | 100-6563 | 1    | Field & Rotor ASM        |
| 5        | 67-7070  | 1    | Armature & Pulley ASM    |
| 5:2      | 67-7060  | 1    | Ring-Retaining           |
| 5:4      | 67-7080  | 1    | Sleeve-Bearing, Armature |
| 5:5      | 67-7090  | 1    | Bearing-Armature         |
| 7        | 67-7090  | 1    | Bearing-Armature         |
| 8        | 67-7060  | 1    | Ring-Retaining           |
| 9        | 3296-6   | 3    | Nut-Lock, NI             |
| 10       | 44-8320  | 3    | Spring                   |
| 11       | 67-7100  | 1    | Plate-Brake              |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

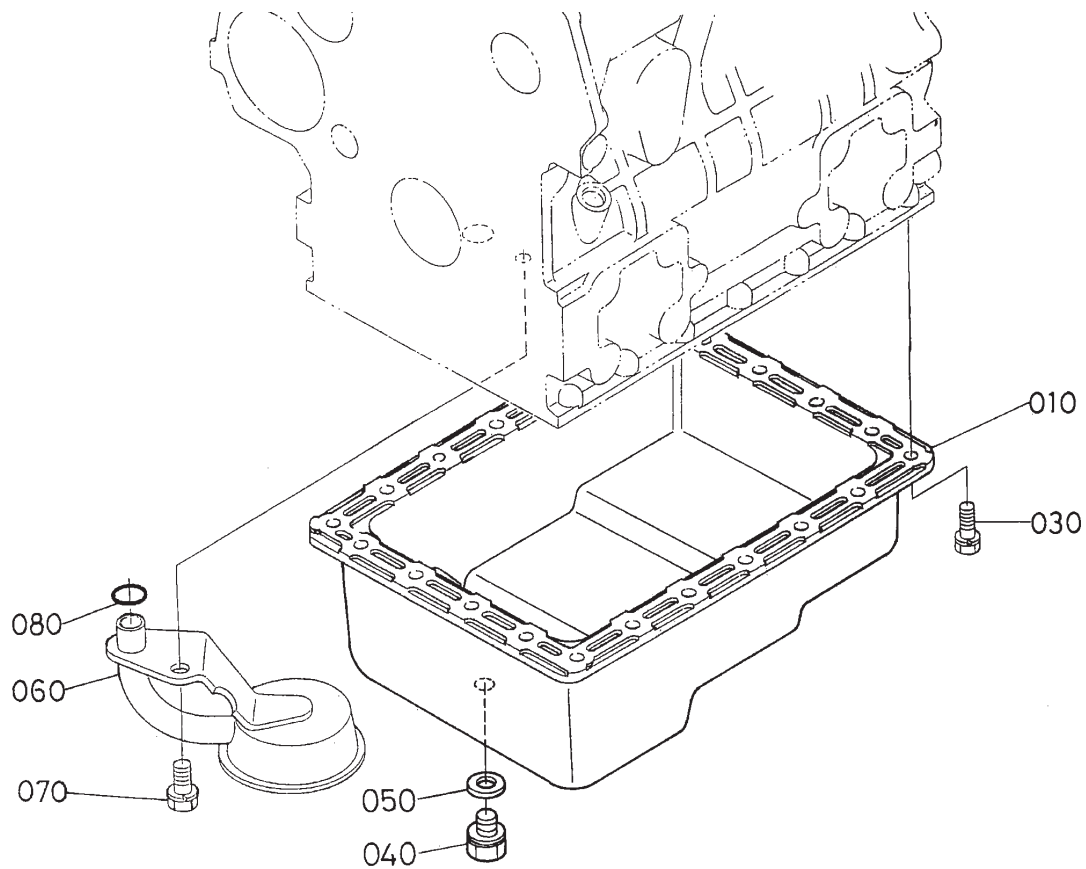


Sheet No.:53

## Crankcase Assembly

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 010      | 105-3778 | 1    | Crankcase ASM       |
| 020      | 98-9398  | 4    | Cap-Sealing         |
| 030      | 98-7539  | 1    | Cap-Sealing         |
| 040      | 98-7540  | 3    | Cap-Sealing         |
| 050      | 105-3779 | 1    | Plug                |
| 060      | 98-9597  | 3    | Plug                |
| 070      | 98-7487  | 2    | Plug                |
| 080      | 98-7489  | 3    | Plug                |
| 090      | 98-9668  | 1    | Plug                |
| 100      | 105-3793 | 2    | Pin-Straight        |
| 110      | 105-3794 | 2    | Pin-Straight        |
| 120      | 105-3795 | 2    | Pin-Straight        |
| 130      | 98-9387  | 2    | Pin-Pipe            |
| 140      | 98-9539  | 1    | Pin-Pipe            |
| 150      | 98-9599  | 1    | Plug                |
| 160      | 98-9630  | 1    | Pin-Spring, Start   |
| 170      | 98-9675  | 1    | Plug                |
| 180      | 98-9656  | 1    | Bush-Governor, Gear |
| 190      | 98-7507  | 1    | Plug                |
| 200      | 98-7428  | 1    | Gasket              |
| 210      | 98-7509  | 1    | O-Ring              |
| 220      | 98-9436  | 1    | Drain Cock ASM      |
| 230      | 98-9416  | 1    | Switch-Oil          |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

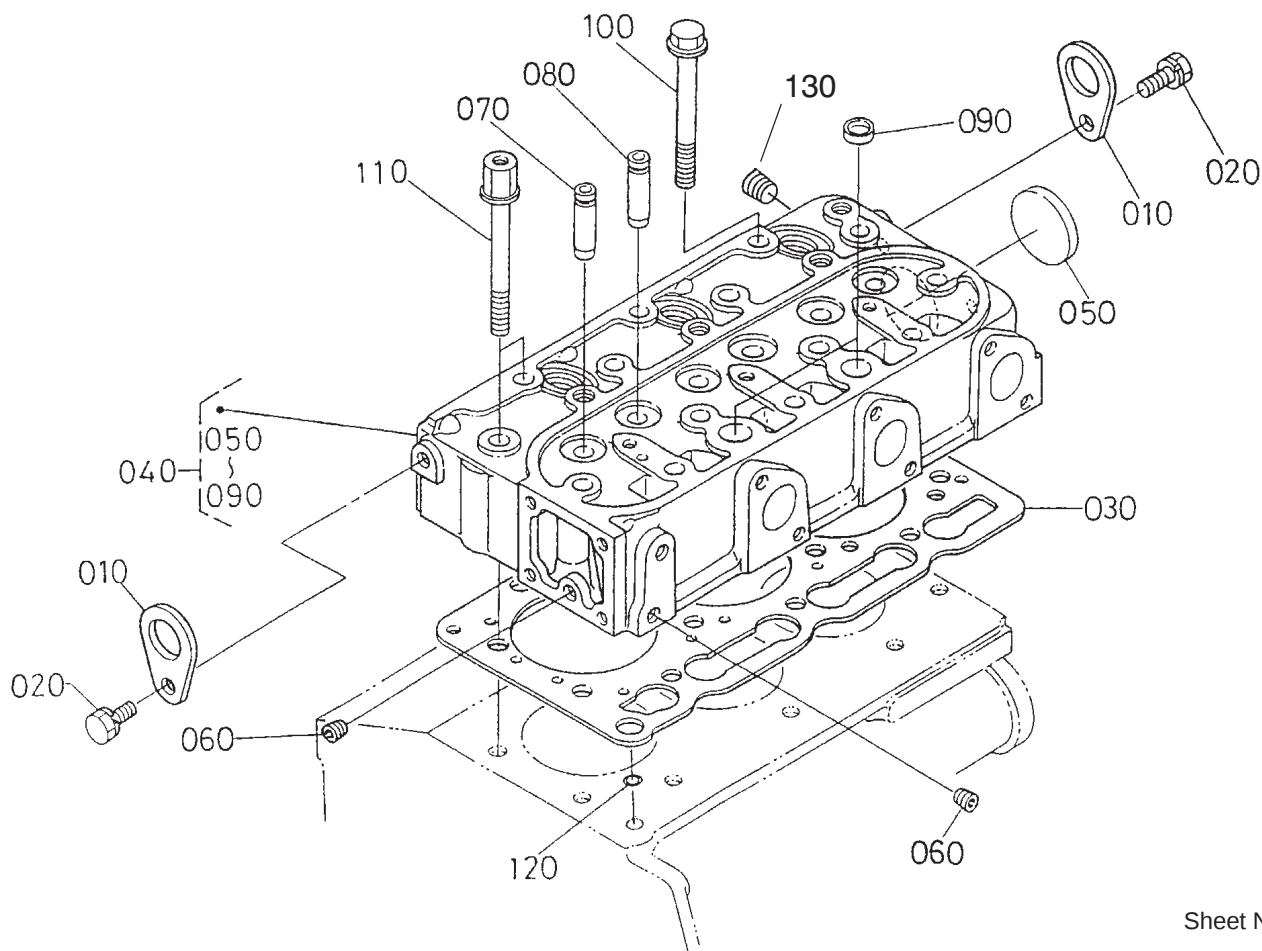


Sheet No.:54

## Oil Pan Assembly

| Ref. No. | Part No. | Qty. | Description       |
|----------|----------|------|-------------------|
| 010      | 104-3495 | 1    | Pan-Oil           |
| 030      | 98-9350  | 2    | Bolt              |
| 040      | 98-9386  | 1    | Plug              |
| 050      | 98-7524  | 1    | Gasket            |
| 060      | 104-3496 | 1    | Filter-Oil Pickup |
| 070      | 98-9358  | 1    | Bolt              |
| 080      | 105-3776 | 1    | O-Ring            |

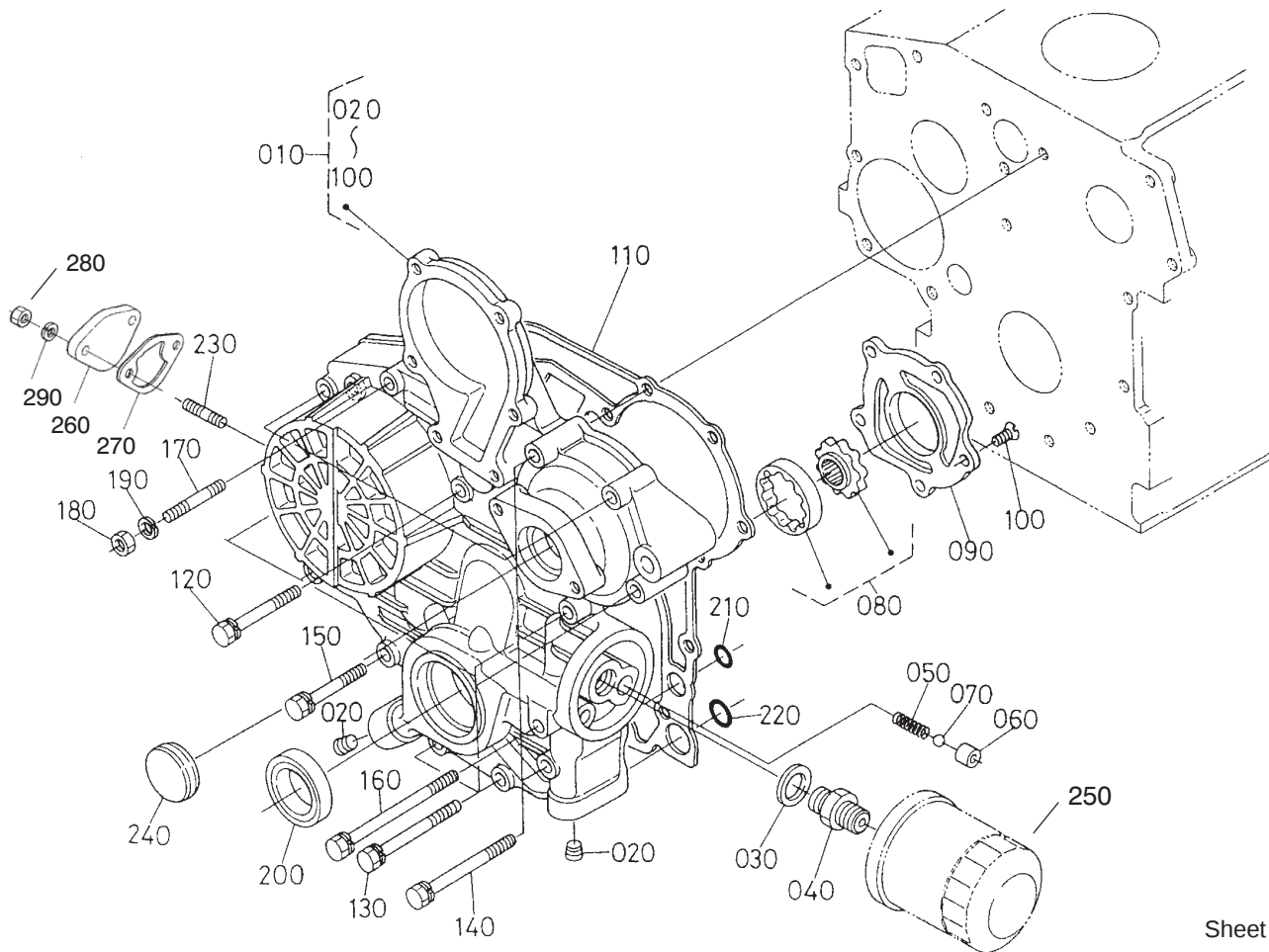
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:55

# Cylinder Head Assembly

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 010      | 98-7531  | 2    | Hook-Engine          |
| 020      | 100-9195 | 2    | Bolt                 |
| 030      | 105-3780 | 1    | Gasket-Head,Cylinder |
| 040      | 98-9460  | 1    | Cylinder Head ASM    |
| 050      | 98-9395  | 1    | Cap-Sealing          |
| 060      | 98-7540  | 2    | Cap-Sealing          |
| 070      | 98-9499  | 3    | Guide-Valve, Inlet   |
| 080      | 98-9500  | 3    | Guide-Valve, Exhaust |
| 090      | 98-9389  | 2    | Cap-Sealing          |
| 100      | 98-9479  | 1    | Bolt-Head, Cylinder  |
| 110      | 98-9647  | 2    | Bolt-Head, Cylinder  |
| 120      | 98-7509  | 1    | O-Ring               |
| 130      | 98-9444  | 1    | Plug                 |

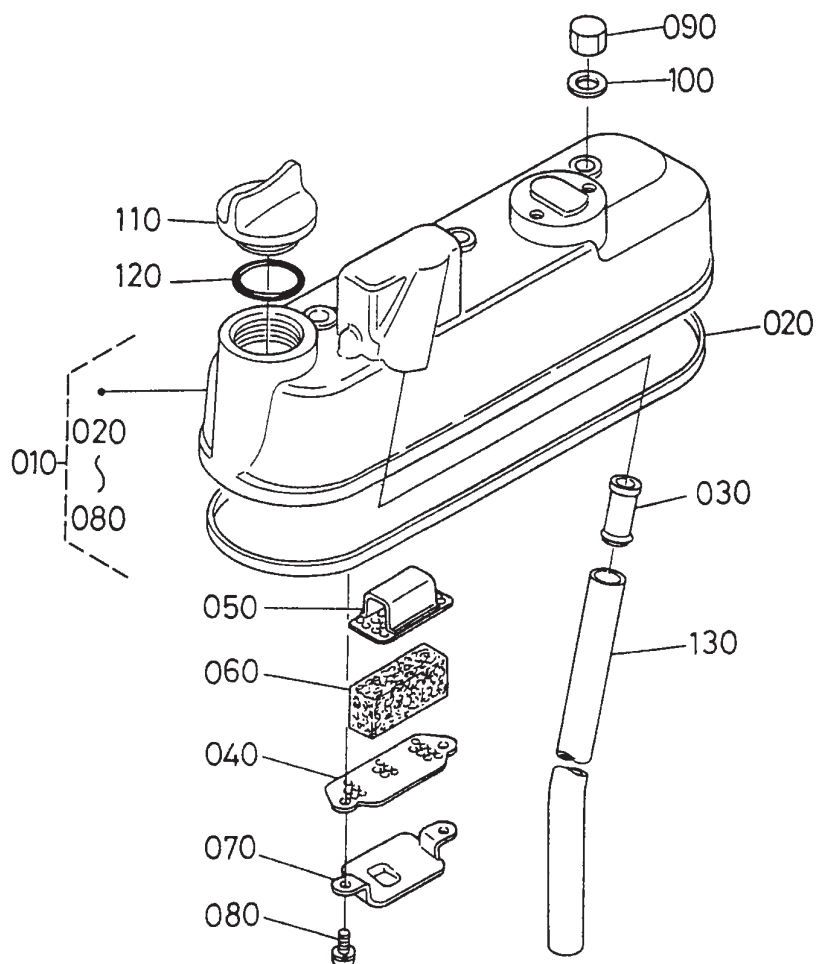


Sheet No.:56

## Gear Case, Oil Filter and Cover Assembly

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 010      | 98-9481  | 1    | Gear Case ASM      |
| 020      | 98-9598  | 1    | Plug               |
| 030      | 98-7562  | 1    | Washer-Plain       |
| 040      | 98-9388  | 1    | Joint-Pipe         |
| 050      | 98-9544  | 1    | Spring             |
| 060      | 98-9543  | 1    | Seat-Valve         |
| 070      | 98-9380  | 1    | Ball               |
| 080      | 98-9540  | 1    | Oil Pump Rotor ASM |
| 090      | 98-9541  | 1    | Cover-Pump, Oil    |
| 100      | 98-9592  | 5    | Screw              |
| 110      | 98-9633  | 1    | Gasket-Case, Gear  |
| 120      | 98-7496  | 3    | Bolt               |
| 130      | 105-3797 | 6    | Bolt               |
| 140      | 98-9356  | 2    | Bolt               |
| 150      | 98-9437  | 1    | Bolt               |
| 160      | 98-9586  | 1    | Bolt               |
| 170      | 105-3709 | 1    | Stud               |
| 180      | 98-7572  | 1    | Nut                |
| 190      | 98-7699  | 1    | Washer-Spring      |
| 200      | 98-9482  | 1    | Seal-Oil           |
| 210      | 105-3781 | 2    | O-Ring             |
| 220      | 105-3777 | 2    | O-Ring             |
| 230      | 105-3710 | 2    | Stud               |
| 240      | 98-9641  | 1    | Cover              |
| 250      | 99-8384  | 1    | Filter-Oil         |
| 260      | 99-3514  | 1    | Cover              |

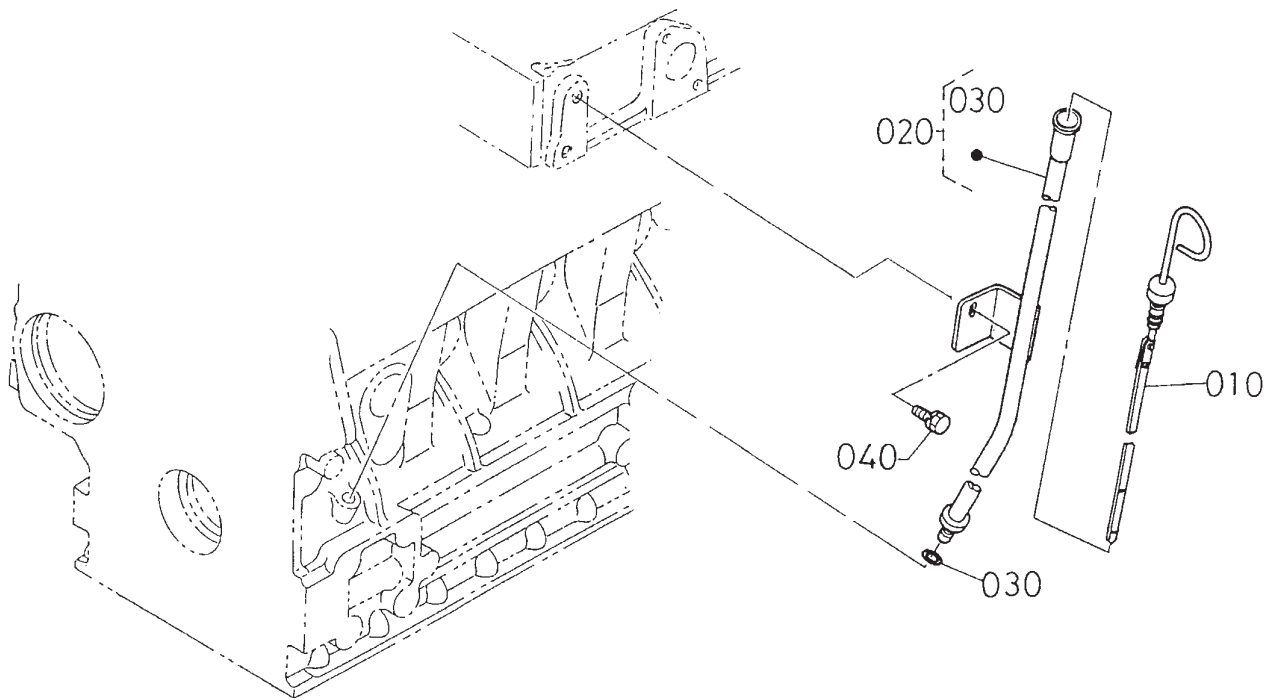
| Ref. No. | Part No. | Qty. | Description       |
|----------|----------|------|-------------------|
| 270      | 98-9636  | 1    | Gasket-Pump, Fuel |
| 280      | 98-7572  | 2    | Nut               |
| 290      | 98-7699  | 2    | Washer-Spring     |



Sheet No.:57

## Head Cover Assembly

| Ref. No. | Part No. | Qty. | Description                |
|----------|----------|------|----------------------------|
| 010      | 98-9614  | 1    | Cylinder Head Cover<br>ASM |
| 020      | 98-9615  | 1    | Gasket-Cover, Head         |
| 030      | 98-9492  | 1    | Joint-Pipe, Breather       |
| 040      | 98-9488  | 1    | Plate-Element,<br>Breather |
| 050      | 98-9489  | 1    | Plate-Element,<br>Breather |
| 060      | 98-9493  | 1    | Element-Breather           |
| 070      | 98-9490  | 1    | Shield-Oil, Breather       |
| 080      | 105-3782 | 2    | Screw W/Washer             |
| 090      | 98-9455  | 3    | Nut-Cap                    |
| 100      | 98-9454  | 3    | Gasket                     |
| 110      | 98-9449  | 1    | Plug-Filler, Oil           |
| 120      | 99-3446  | 1    | O-Ring                     |
| 130      | 98-9491  | 1    | Pipe-Breather              |

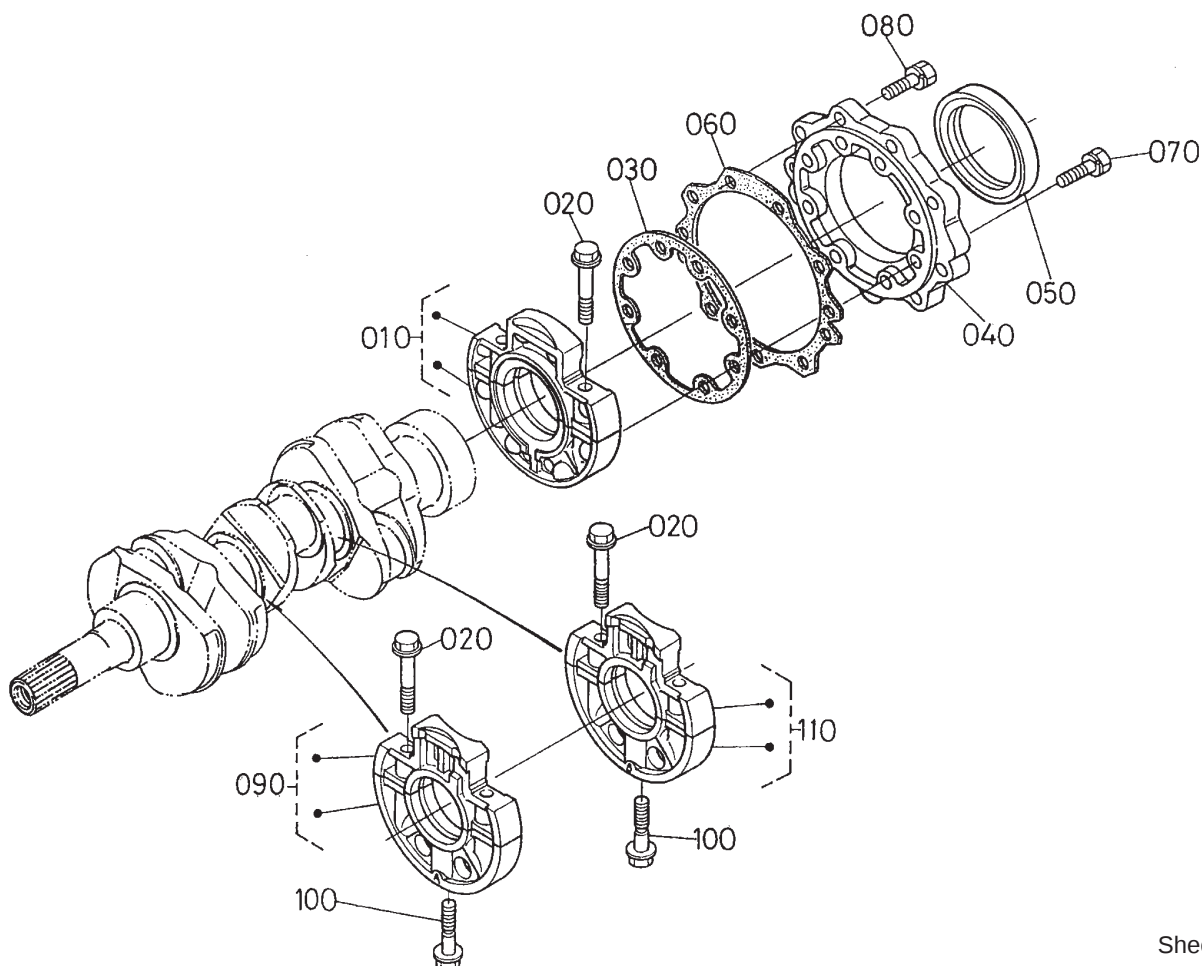


Sheet No.:58

## Dipstick and Guide Assembly

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 010      | 98-9670  | 1    | Gauge-Oil           |
| 020      | 98-9672  | 1    | Oil Gauge Guide ASM |
| 030      | 98-9374  | 1    | O-Ring              |
| 040      | 98-7453  | 1    | Bolt                |

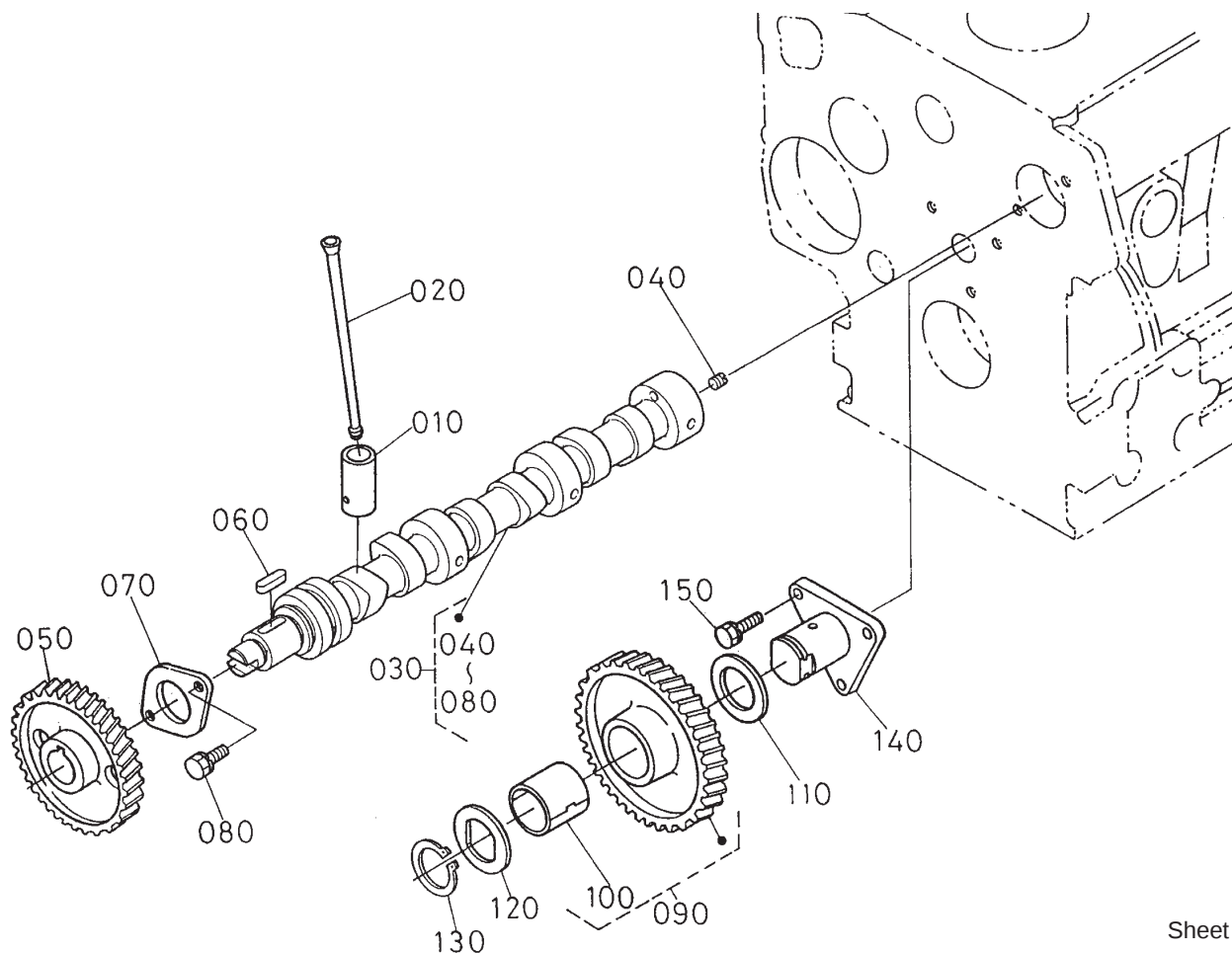
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:59

## Main Bearing Case Assembly

| Ref. No. | Part No. | Qty. | Description                   |
|----------|----------|------|-------------------------------|
| 010      | 98-9480  | 1    | Main Bearing Case<br>ASM      |
| 020      | 98-9484  | 6    | Bolt-Case, Bearing            |
| 030      | 98-9634  | 1    | Gasket-Case, Bearing          |
| 040      | 98-9487  | 1    | Cover-Case, Bearing           |
| 050      | 98-9483  | 1    | Seal-Oil                      |
| 060      | 98-9635  | 1    | Gasket-Cover,<br>Bearing Case |
| 070      | 98-9352  | 8    | Bolt                          |
| 080      | 98-7568  | 9    | Bolt                          |
| 090      | 98-9606  | 1    | Main Bearing Case<br>ASM      |
| 100      | 98-9485  | 2    | Bolt-Case, Bearing            |
| 110      | 98-9607  | 1    | Main Bearing Case<br>ASM      |

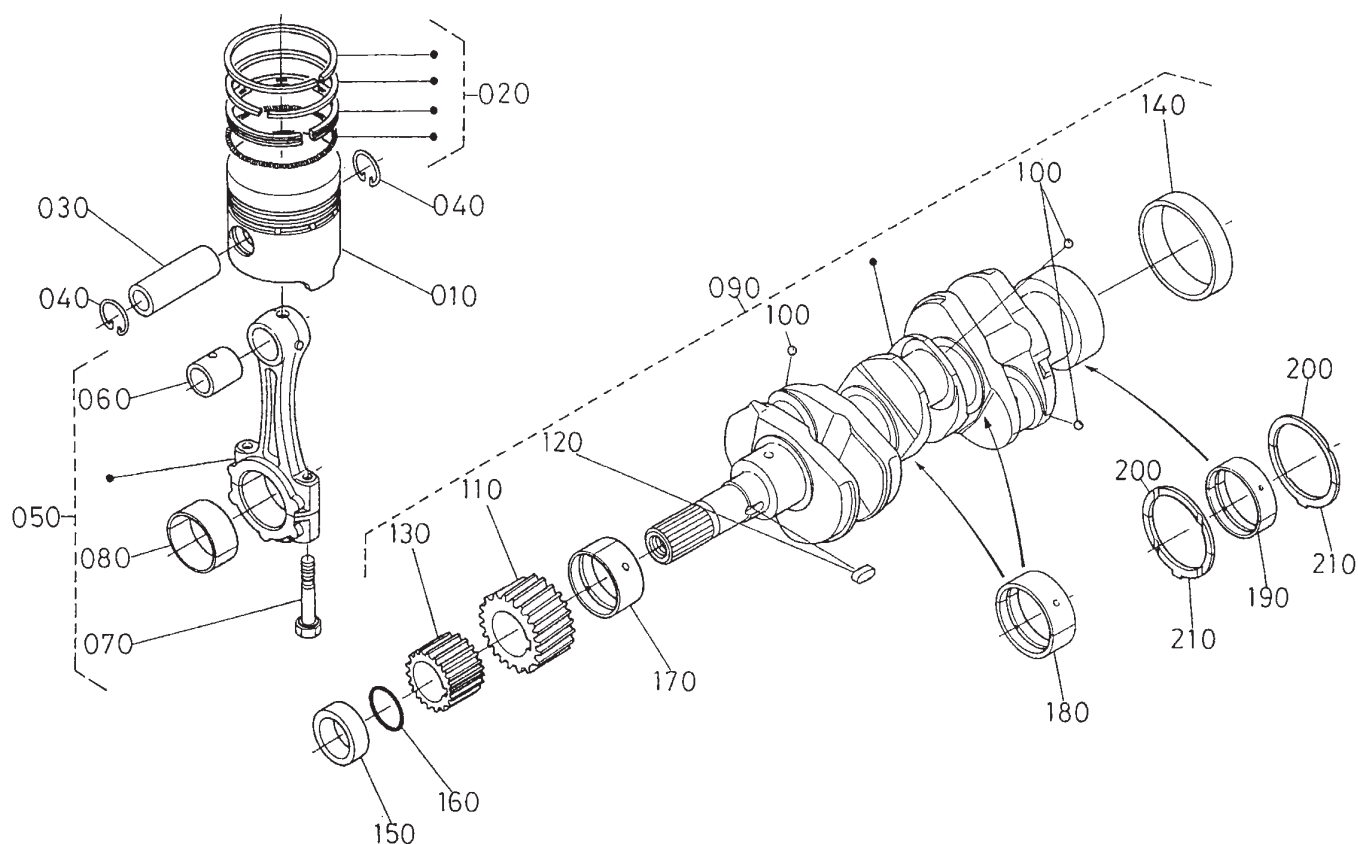


Sheet No.:60

## Camshaft and Idler Gear Shaft Assembly

| Ref. No. | Part No. | Qty. | Description                 |
|----------|----------|------|-----------------------------|
| 010      | 98-9616  | 6    | Tappet                      |
| 020      | 98-9509  | 6    | Rod-Push                    |
| 030      | 98-9617  | 1    | Camshaft ASM                |
| 040      | 98-7449  | 1    | Screw-Set                   |
| 050      | 98-9512  | 1    | Gear-Cam                    |
| 060      | 98-9378  | 1    | Key-Feather                 |
| 070      | 98-9510  | 1    | Stopper-Camshaft            |
| 080      | 98-9351  | 2    | Bolt                        |
| 090      | 98-9649  | 1    | Idle Gear ASM               |
| 100      | 98-9650  | 1    | Bushing-Gear, Idle          |
| 110      | 98-9535  | 1    | Collar-Gear, Idle           |
| 120      | 98-9536  | 1    | Collar-Gear, Idle           |
| 130      | 98-9534  | 1    | Clip-Circular, Idle<br>Gear |
| 140      | 98-9533  | 1    | Shaft-Gear, Idle            |
| 150      | 98-7692  | 3    | Bolt                        |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

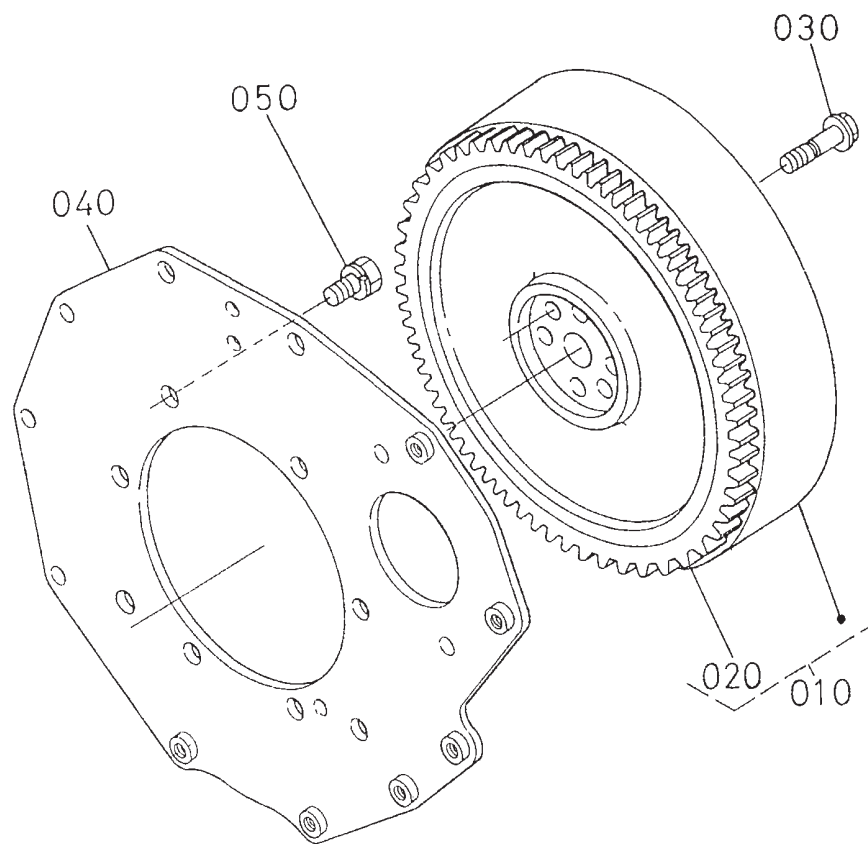


Sheet No.:61

## Piston and Crankshaft Assembly

| Ref. No. | Part No. | Qty. | Description               |
|----------|----------|------|---------------------------|
| 010      | 98-9469  | 3    | Piston (STD)              |
| 010      | 98-9470  | 3    | Piston (0.5mm)            |
| 020      | 98-9618  | 3    | Piston Ring ASM (STD)     |
| 020      | 98-9619  | 3    | Piston Ring ASM (+0.5mm)  |
| 030      | 98-9513  | 3    | Pin-Piston                |
| 040      | 98-9514  | 6    | Clip-Circular, Piston Pin |
| 050      | 98-9516  | 3    | Connecting Rod ASM        |
| 060      | 98-9515  | 3    | Bushing-Pin, Piston       |
| 070      | 98-9517  | 6    | Bolt-Rod, Connecting      |
| 080      | 98-9518  | 3    | Metal, Crankpin (STD)     |
| 080      | 98-9519  | 3    | Bearing-Rod (0.2mm)       |
| 080      | 98-9520  | 3    | Bearing-Rod (0.4mm)       |
| 090      | 98-9642  | 1    | Crankshaft ASM            |
| 100      | 98-7473  | 3    | Ball                      |
| 110      | 98-9532  | 1    | Gear-Crankshaft           |
| 120      | 98-9666  | 1    | Key                       |
| 130      | 98-9542  | 1    | Gear-Drive, Oil Pump      |
| 140      | 98-9522  | 1    | Sleeve-Crankshaft         |
| 150      | 98-9521  | 1    | Collar-Crankshaft         |
| 160      | 105-3783 | 1    | O-Ring                    |
| 170      | 98-9529  | 1    | Bearing-Main (0.4mm)      |
| 170      | 98-9528  | 1    | Bearing-Main (0.2mm)      |
| 170      | 98-9523  | 1    | Metal Crankshaft(STD)     |

| Ref. No. | Part No. | Qty. | Description                |
|----------|----------|------|----------------------------|
| 180      | 98-9531  | 2    | Bearing-Main (0.4mm)       |
| 180      | 98-9530  | 2    | Bearing-Main (0.2mm)       |
| 180      | 98-9524  | 2    | Metal-Crankshaft (STD Set) |
| 190      | 98-9527  | 1    | Bearing-Main (0.4mm)       |
| 190      | 98-9526  | 1    | Bearing-Main (0.2mm)       |
| 190      | 98-9525  | 1    | Metal Crankshaft(STD Set)  |
| 200      | 98-9415  | 2    | Bearing-Thrust (0.4mm)     |
| 200      | 98-9414  | 2    | Bearing-Thrust (0.2mm)     |
| 200      | 98-9413  | 2    | Bearing-Thrust (STD)       |
| 210      | 98-9690  | 2    | Bearing-Thrust (0.4mm)     |
| 210      | 98-9689  | 2    | Bearing-Thrust (0.2mm)     |
| 210      | 98-9688  | 2    | Bearing-Thrust (STD)       |

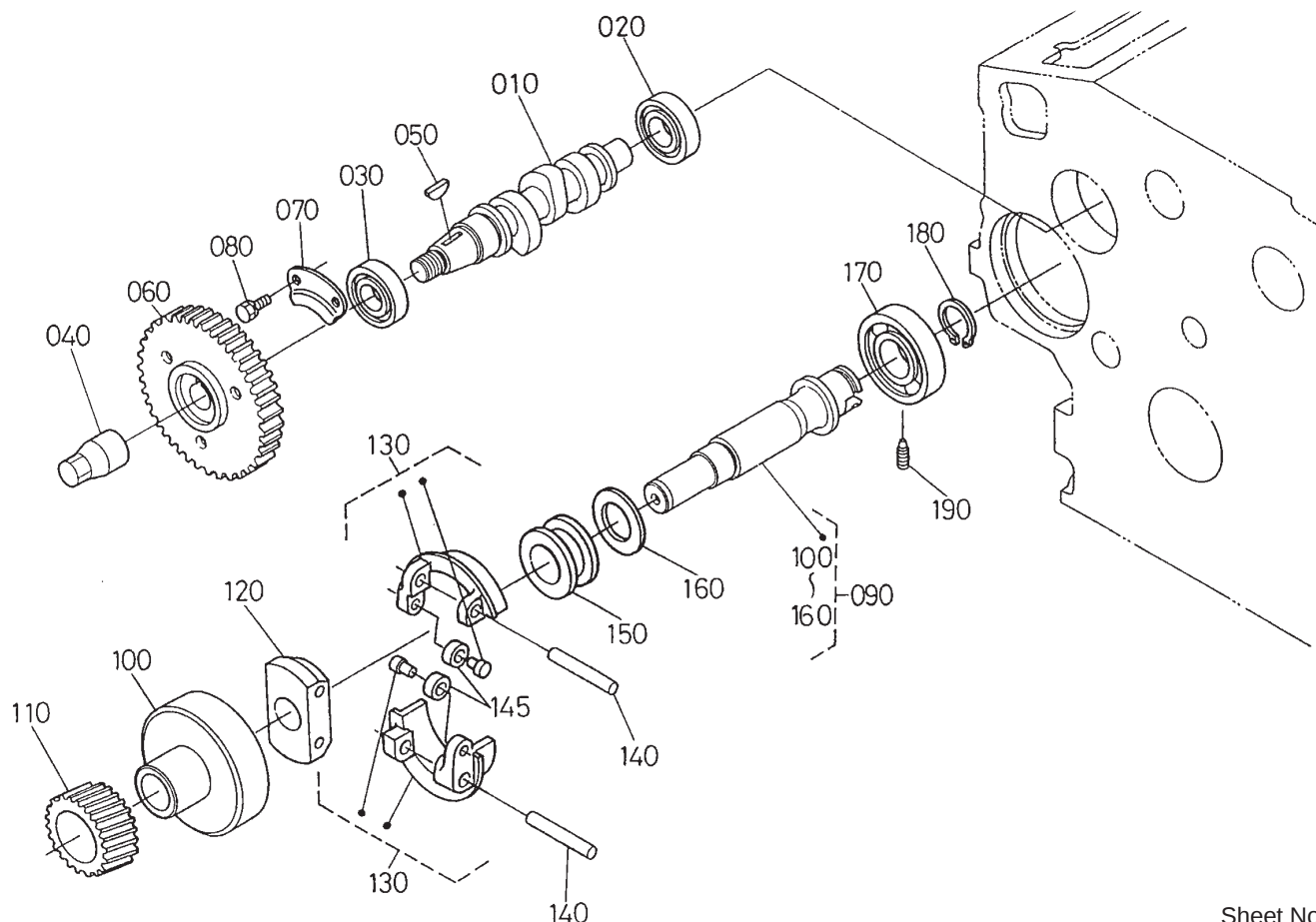


Sheet No.:62

## Flywheel Assembly

| Ref. No. | Part No. | Qty. | Description     |
|----------|----------|------|-----------------|
| 010      | 105-3784 | 1    | Flywheel ASM    |
| 020      | 105-3722 | 1    | Gear-Ring       |
| 030      | 98-9537  | 6    | Bolt-Flywheel   |
| 040      | 98-9486  | 1    | Plate-End, Rear |
| 050      | 98-9392  | 8    | Bolt            |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

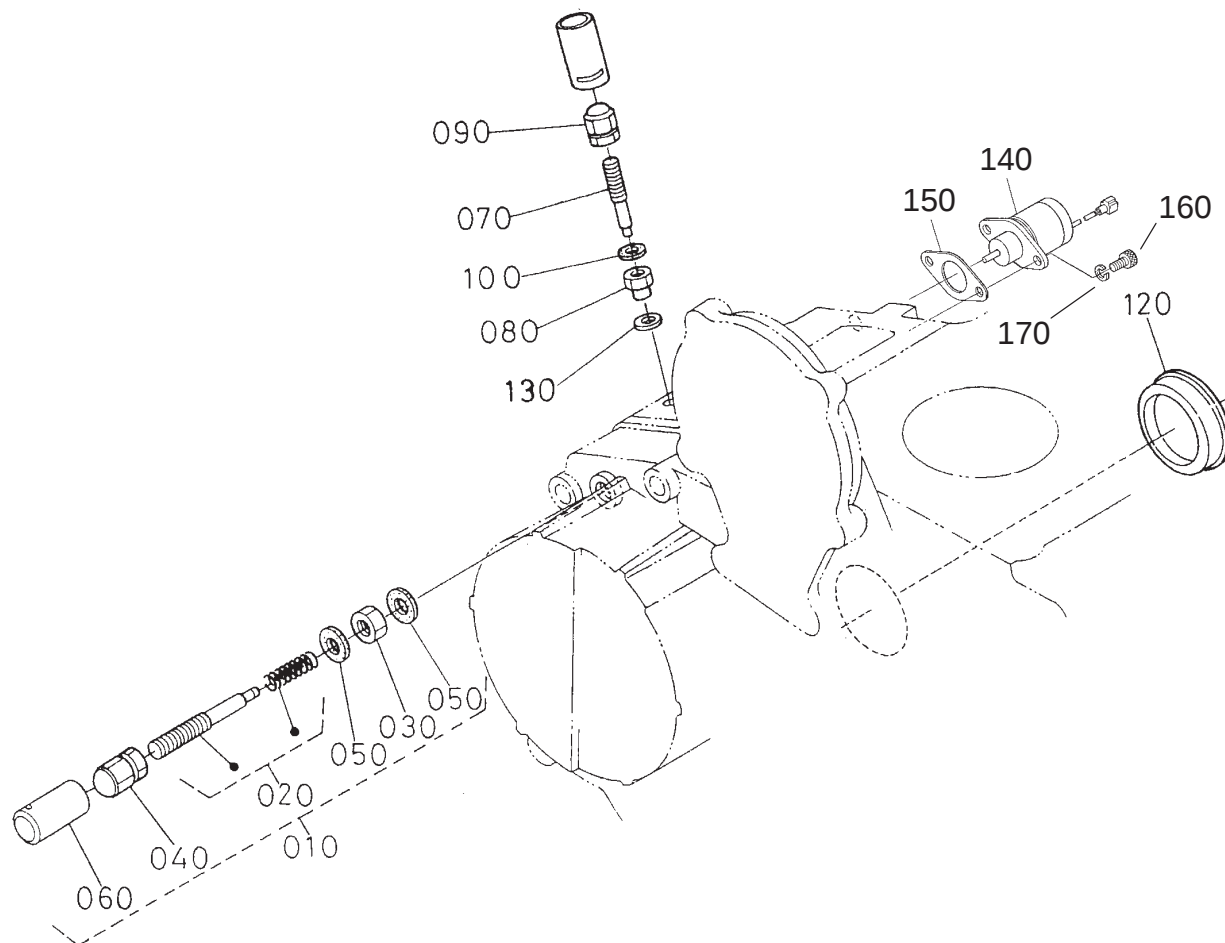


Sheet No.:63

## Fuel, Camshaft and Governor Shaft Assembly

| Ref. No. | Part No. | Qty. | Description                      |
|----------|----------|------|----------------------------------|
| 010      | 98-9459  | 1    | Camshaft-Fuel                    |
| 020      | 98-9382  | 1    | Bearing-Ball                     |
| 030      | 98-9383  | 1    | Bearing-Ball                     |
| 040      | 98-9590  | 1    | Nut-Cap                          |
| 050      | 98-9595  | 1    | Key-Woodruff                     |
| 060      | 98-9669  | 1    | Gear-Pump, Injection             |
| 070      | 98-9511  | 1    | Stopper-Fuel,<br>Camshaft        |
| 080      | 98-9350  | 2    | Bolt                             |
| 090      | 98-9644  | 1    | Governor Shaft ASM               |
| 100      | 98-9562  | 1    | Holder-Gear,<br>Governor         |
| 110      | 98-9673  | 1    | Gear-Governor                    |
| 120      | 98-9561  | 1    | Holder-Weight,<br>Governor       |
| 130      | 98-9559  | 2    | Governor Weight ASM              |
| 140      | 98-9560  | 2    | Shaft-Weight,<br>Governor        |
| 145      | 98-9692  | 2    | Roller                           |
| 150      | 98-9563  | 1    | Sleeve-Governor                  |
| 160      | 98-9564  | 1    | Washer-Thrust                    |
| 170      | 98-9381  | 1    | Bearing-Ball                     |
| 180      | 98-9657  | 1    | Clip-Circular,<br>Governor Shaft |
| 190      | 98-9565  | 1    | Screw-Set                        |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

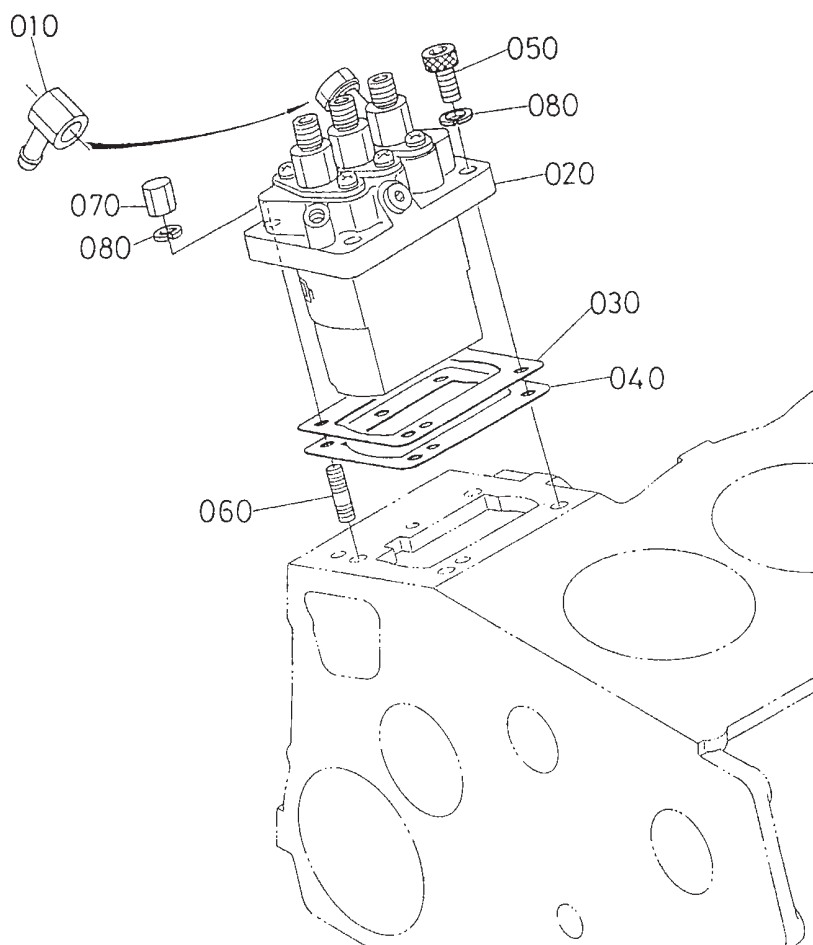


Sheet No.:64

## Idle Apparatus and Stop Solenoid Assembly

| Ref. No. | Part No. | Qty. | Description               |
|----------|----------|------|---------------------------|
| 010      | 98-9678  | 1    | Idle Apparatus ASM        |
| 020      | 98-9679  | 1    | Adjusting Bolt ASM        |
| 030      | 98-9439  | 1    | Nut                       |
| 040      | 105-3785 | 1    | Plug                      |
| 050      | 98-7654  | 2    | Gasket                    |
| 060      | 98-7656  | 1    | Cap                       |
| 070      | 98-9557  | 1    | Bolt-Adjusting            |
| 080      | 99-3512  | 1    | Nut                       |
| 090      | 105-3785 | 1    | Plug                      |
| 100      | 98-7654  | 1    | Gasket                    |
| 120      | 98-9640  | 1    | Cover-Pump                |
| 130      | 99-8389  | 1    | Gasket                    |
| 140      | 98-9693  | 1    | Solenoid-Stop             |
| 150      | 98-9683  | 1    | Gasket-Cover,<br>Solenoid |
| 160      | 105-3799 | 2    | Bolt-HSH                  |
| 170      | 98-7699  | 2    | Washer-Spring             |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
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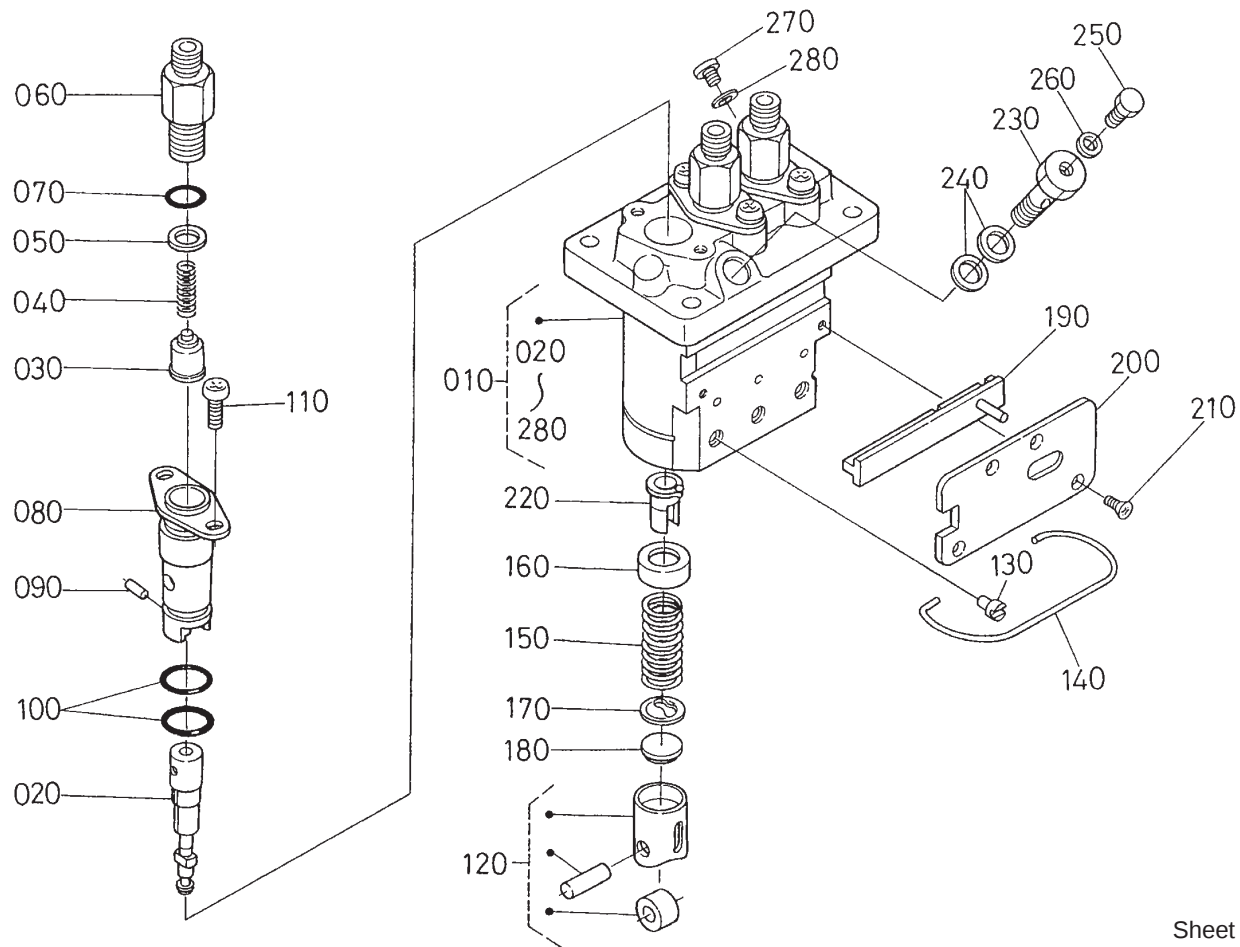


Sheet No.:65

## Injection Pump Assembly

| Ref. No. | Part No. | Qty. | Description             |
|----------|----------|------|-------------------------|
| 010      | 98-9596  | 1    | Joint-Eye               |
| 020      | 98-9643  | 1    | Injection Pump ASM      |
| 030      | 98-9456  | 1    | Shim (0.2mm)            |
| 030      | 98-9457  | 1    | Shim-Injection (0.25mm) |
| 040      | 98-9458  | 1    | Shim-Injection (0.30mm) |
| 050      | 98-9361  | 2    | Bolt-HSH                |
| 060      | 98-9438  | 2    | Stud                    |
| 070      | 98-9440  | 2    | Nut-Cap                 |
| 080      | 98-7699  | 4    | Washer-Spring           |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
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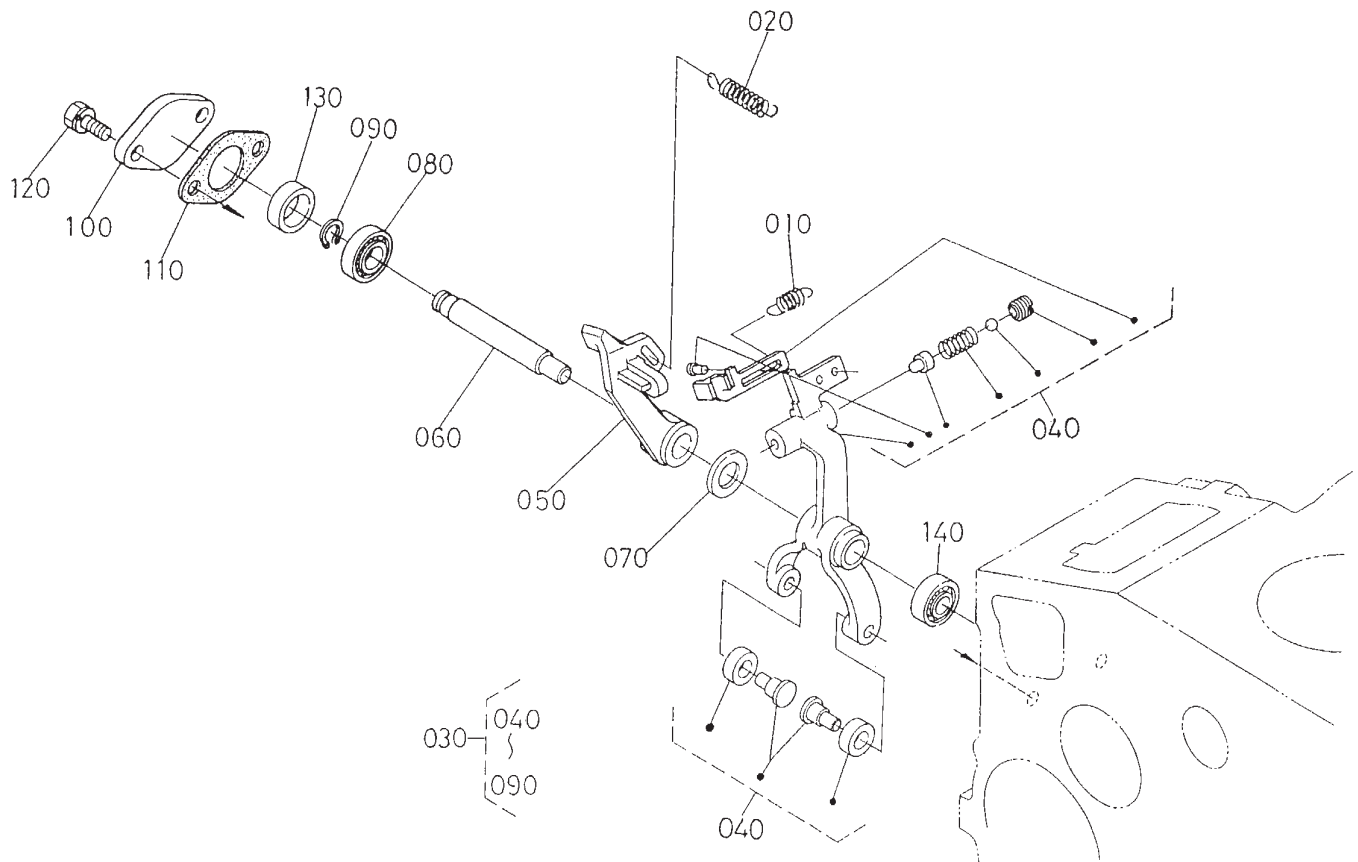


Sheet No.:66

## Injection Pump Assembly No. 98-9643

| Ref. No. | Part No. | Qty. | Description            |
|----------|----------|------|------------------------|
| 010      | 98-9643  | 1    | Injection Pump ASM     |
| 020      | 98-9462  | 3    | Element-Pump           |
| 030      | 98-9421  | 3    | Valve-Delivery         |
| 040      | 98-9424  | 3    | Spring-Valve, Delivery |
| 050      | 98-9425  | 3    | Gasket-Valve, Delivery |
| 060      | 98-9652  | 3    | Holder-Valve, Delivery |
| 070      | 98-9447  | 3    | O-Ring                 |
| 080      | 98-9434  | 3    | Flange-Sleeve          |
| 090      | 98-9443  | 3    | Pin-Joint              |
| 100      | 98-9423  | 6    | O-Ring                 |
| 110      | 105-2892 | 6    | Screw                  |
| 120      | 98-9422  | 3    | Tappet ASM             |
| 130      | 98-9426  | 3    | Pin-Guide, Tappet      |
| 140      | 98-9450  | 1    | Pin-Clamp              |
| 150      | 98-9428  | 3    | Spring-Plunger         |
| 160      | 98-9427  | 3    | Seat-Spring, Upper     |
| 170      | 98-9429  | 3    | Seat-Spring, Lower     |
| 180      | 98-9433  | 3    | Shim                   |
| 190      | 98-9463  | 1    | Control-Rack           |
| 200      | 98-9465  | 1    | Plate                  |
| 210      | 98-9442  | 4    | Screw                  |
| 220      | 98-9432  | 3    | Sleeve-Control         |
| 230      | 98-9464  | 1    | Bolt-Joint             |
| 240      | 98-9445  | 2    | Gasket                 |
| 250      | 98-9430  | 1    | Screw                  |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
| 260      | 98-9446  | 1    | Gasket      |
| 270      | 98-9466  | 1    | Plug        |
| 280      | 98-9451  | 1    | Gasket      |

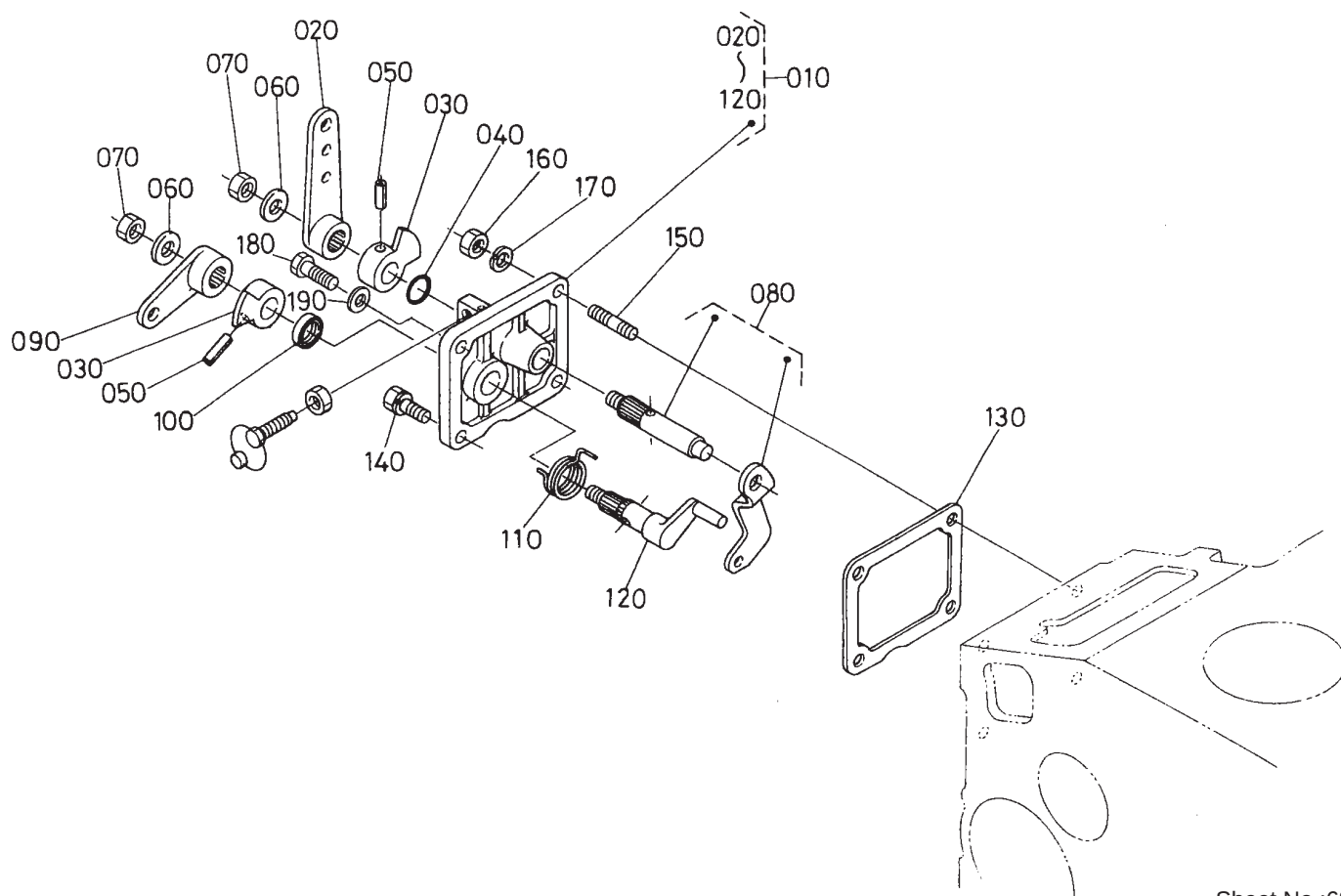


Sheet No.:67

## Governor Assembly

| Ref. No. | Part No. | Qty. | Description                |
|----------|----------|------|----------------------------|
| 010      | 105-3786 | 1    | Spring-Start               |
| 020      | 98-9681  | 1    | Spring-Governor            |
| 030      | 105-3787 | 1    | Fork Lever ASM             |
| 040      | 99-8380  | 1    | Fork Lever ASM             |
| 050      | 105-3743 | 1    | Lever-Fork                 |
| 060      | 98-9566  | 1    | Shaft-Lever, Fork          |
| 070      | 98-9593  | 1    | Washer-Plain               |
| 080      | 98-9570  | 1    | Bearing-Miniaturize        |
| 090      | 98-9369  | 1    | Clip-Circular, External    |
| 100      | 98-9569  | 1    | Cover-Shaft, Fork<br>Lever |
| 110      | 98-9682  | 1    | Gasket                     |
| 120      | 98-9351  | 2    | Bolt                       |
| 130      | 98-9567  | 1    | Collar                     |
| 140      | 98-9571  | 1    | Bearing-Miniaturize        |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

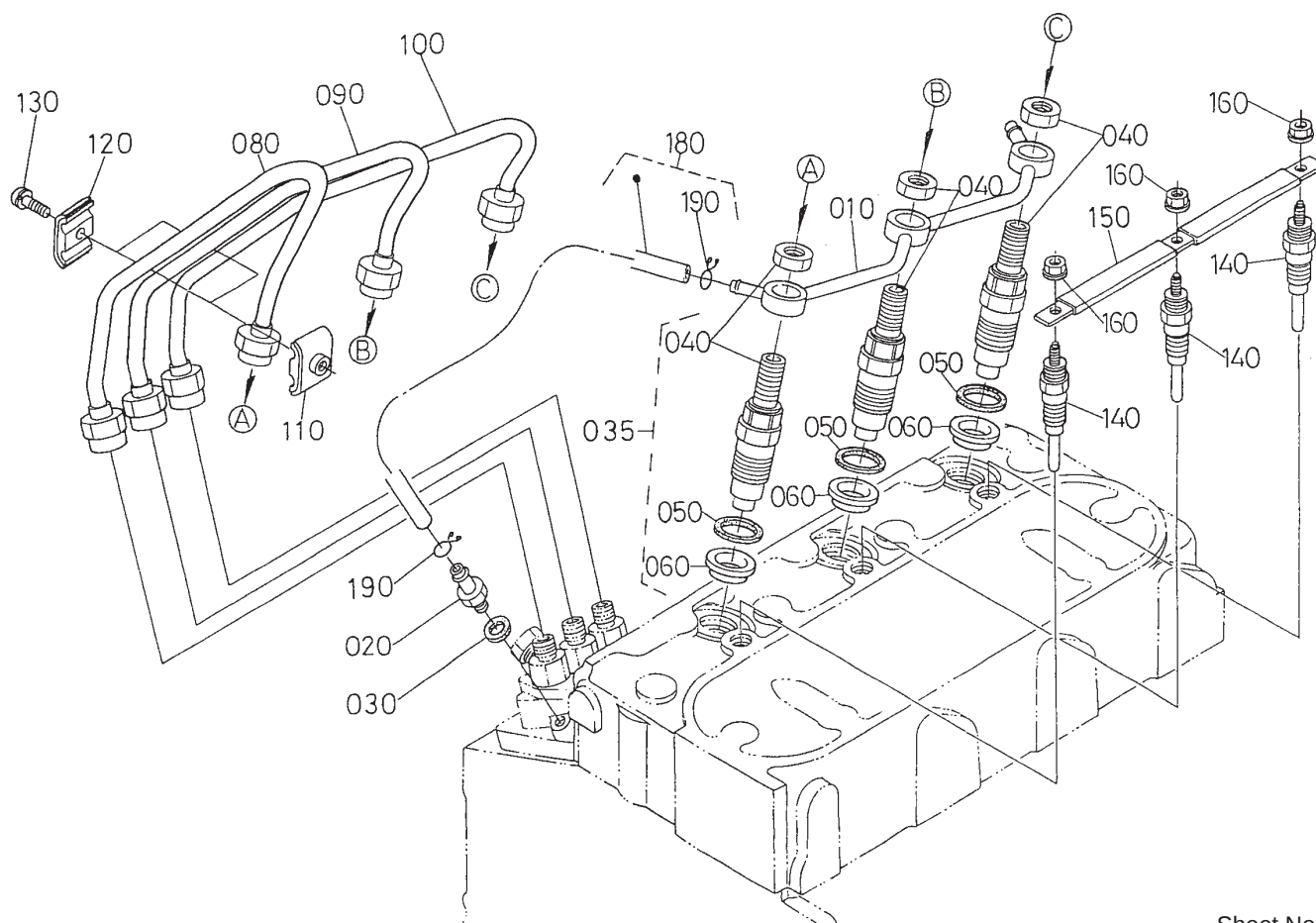


Sheet No.:68

## Speed Control Plate Assembly

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 010      | 98-9661  | 1    | Control Plate ASM    |
| 020      | 98-9662  | 1    | Lever-Control, Speed |
| 030      | 98-9572  | 2    | Lever-Control, Speed |
| 040      | 105-3788 | 1    | O-Ring               |
| 050      | 98-7602  | 2    | Pin-Spring           |
| 060      | 98-9594  | 2    | Washer-Plain         |
| 070      | 98-9589  | 2    | Nut                  |
| 080      | 98-9658  | 1    | Governor Lever ASM   |
| 090      | 98-9663  | 1    | Lever-Stop, Engine   |
| 100      | 98-7601  | 1    | Seal-Oil             |
| 110      | 98-9472  | 1    | Spring-Return        |
| 120      | 98-9664  | 1    | Shaft-Lever, Stop    |
| 130      | 98-9637  | 1    | Gasket               |
| 140      | 98-7692  | 1    | Bolt                 |
| 150      | 105-3710 | 2    | Stud                 |
| 160      | 98-7572  | 2    | Nut                  |
| 170      | 98-7699  | 2    | Washer-Spring        |
| 180      | 99-8348  | 1    | Bolt                 |
| 190      | 98-7654  | 1    | Gasket               |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
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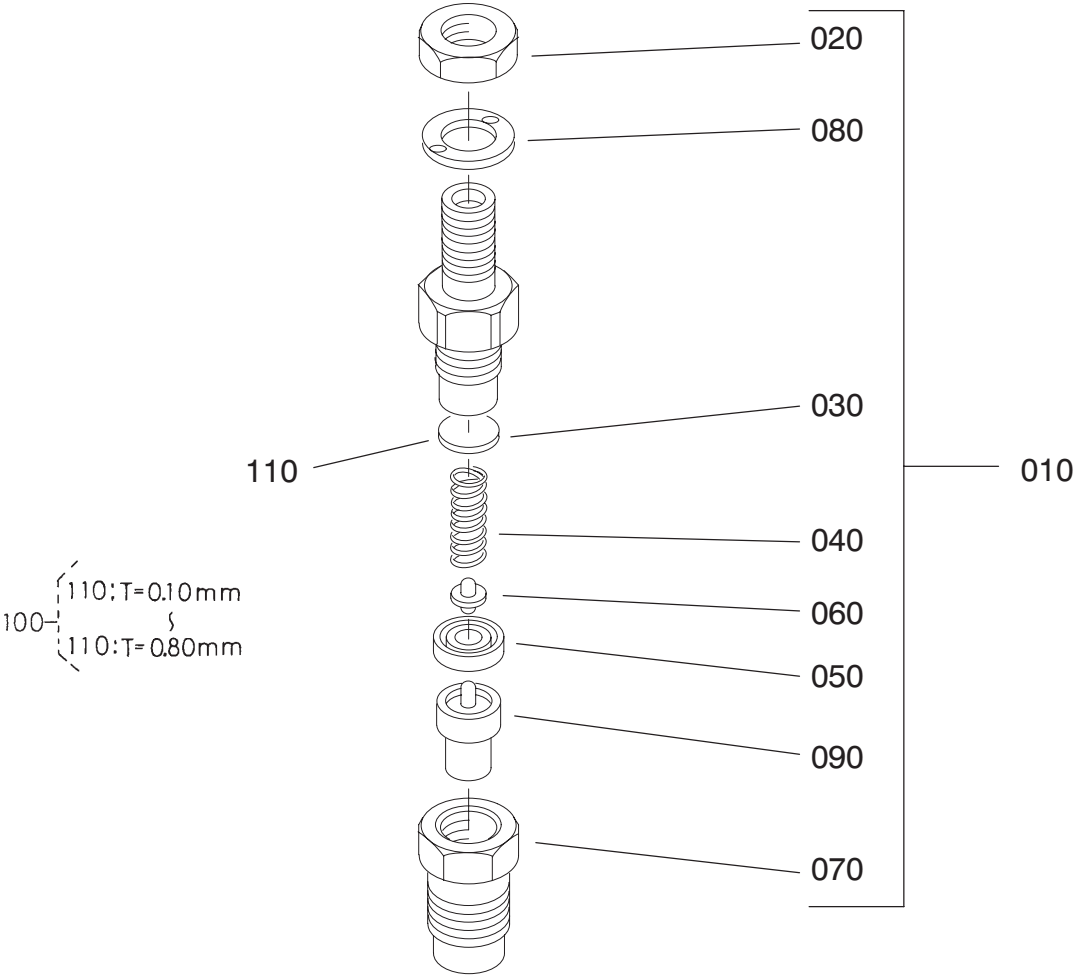


Sheet No.:69

## Nozzle Holder Glow Plug Assembly

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 010      | 98-9620  | 1    | Over Flow Pipe ASM |
| 020      | 98-9431  | 1    | Screw-Bleeder      |
| 030      | 98-7654  | 1    | Gasket             |
| 035      | 105-3740 | 3    | Kit-Holder, Nozzle |
| 040      | 98-9468  | 3    | Nozzle Holder ASM  |
| 050      | 98-7676  | 3    | Gasket             |
| 060      | 98-7677  | 3    | Seal               |
| 080      | 98-9653  | 1    | Pipe-Injection     |
| 090      | 98-9654  | 1    | Pipe-Injection     |
| 100      | 98-9655  | 1    | Pipe-Injection     |
| 110      | 98-7682  | 2    | Clamp-Pipe         |
| 120      | 98-7683  | 2    | Clamp-Pipe         |
| 130      | 98-7684  | 2    | Screw W/Washer     |
| 140      | 98-9695  | 3    | Plug,Glow          |
| 150      | 98-9631  | 3    | Cord-Plug, Glow    |
| 160      | 99-8377  | 3    | Nut - Flange       |
| 180      | 98-9420  | 1    | Over Flow Pipe ASM |
| 190      | 98-7671  | 2    | Clip-Pipe          |

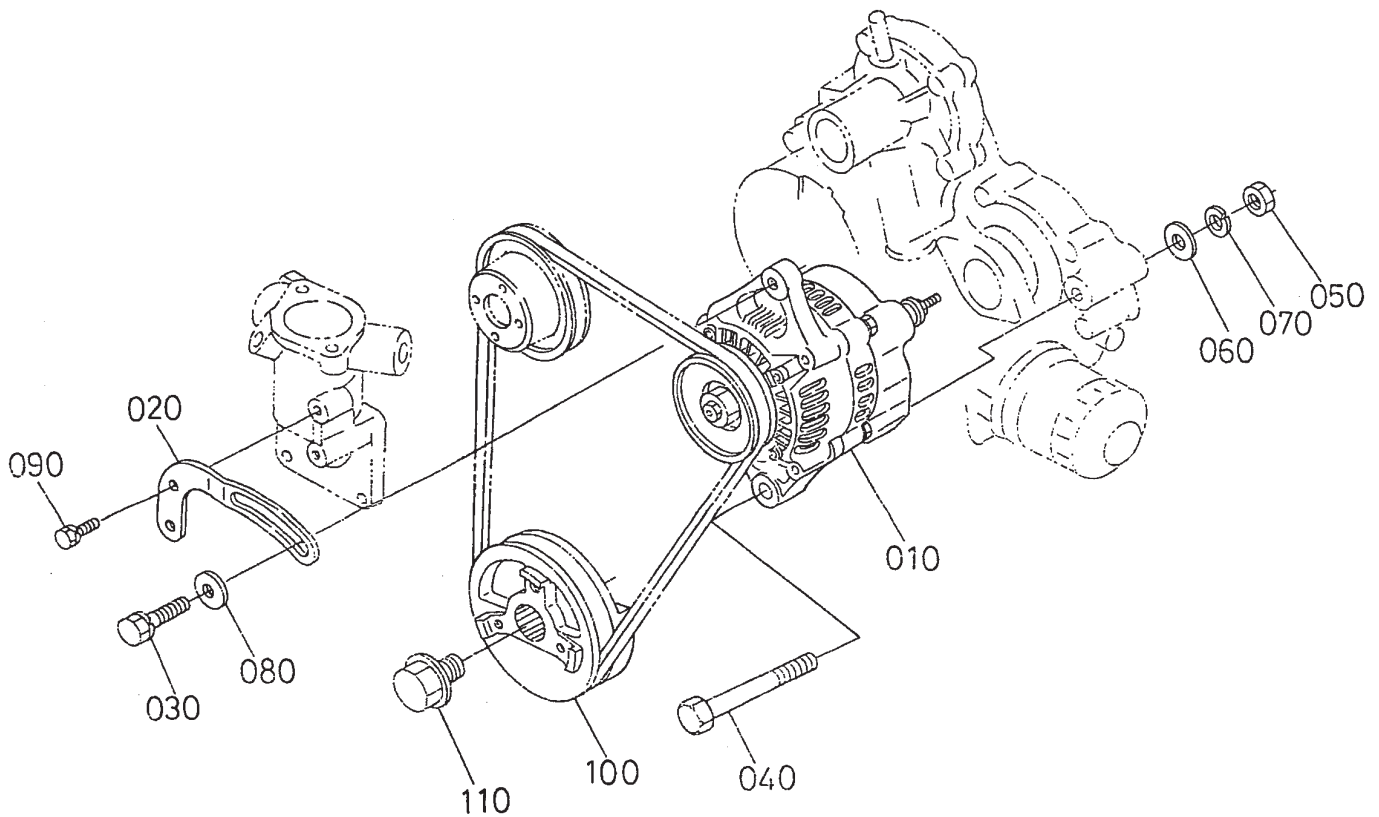
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
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Sheet No.:70

**Nozzle Holder Assembly No. 98-9468**

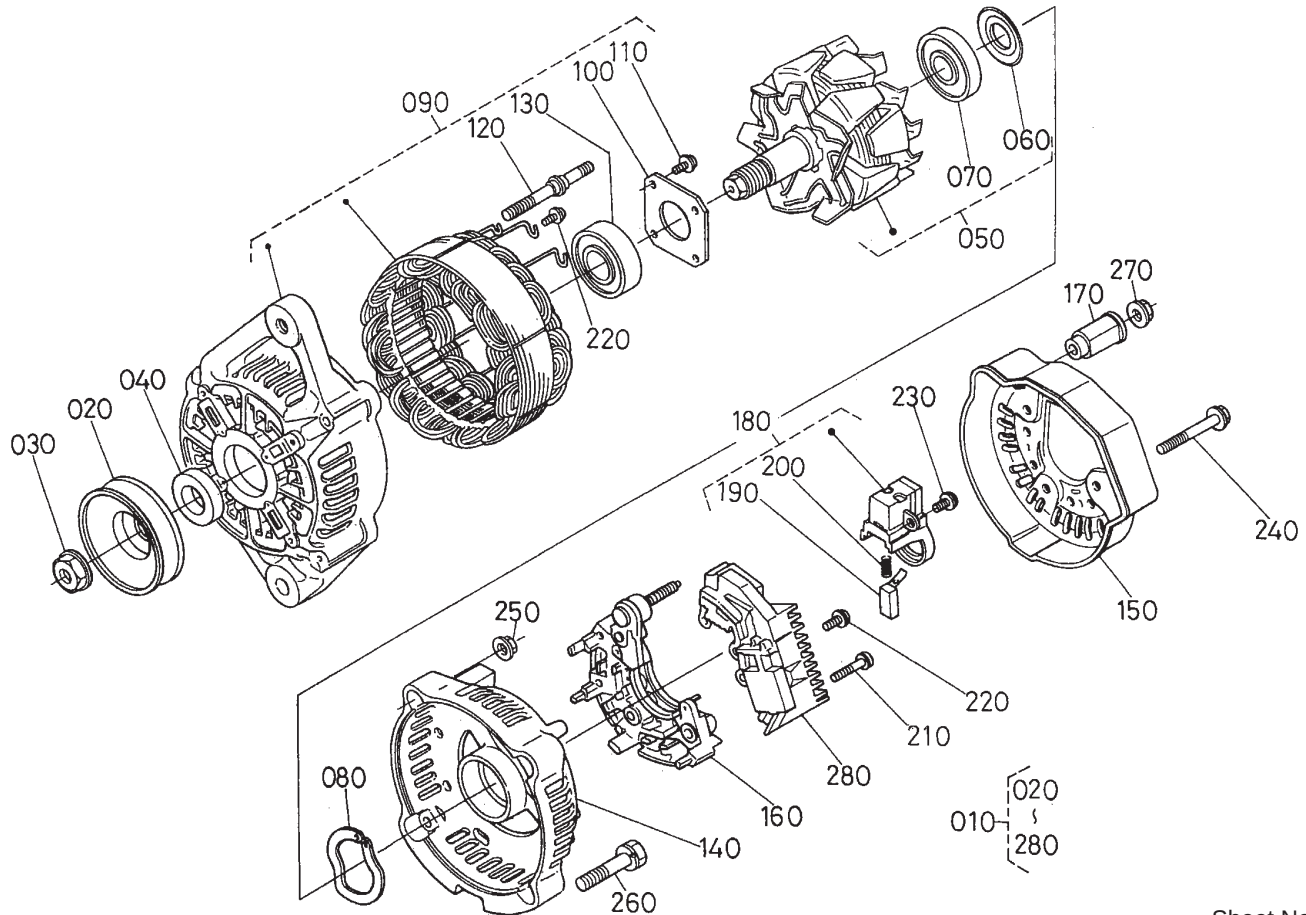
| Ref. No. | Part No. | Qty. | Description            | Ref. No. | Part No. | Qty. | Description            |
|----------|----------|------|------------------------|----------|----------|------|------------------------|
| 010      | 98-9468  | 3    | Nozzle Holder ASM      | 110      | 99-8313  | 3    | Washer-Adjust (0.40mm) |
| 020      | 99-8301  | 3    | Nut                    | 110      | 99-8314  | 3    | Washer-Adjust (0.50mm) |
| 030      | 99-8302  | 3    | Washer-Adjusting       |          |          |      |                        |
| 040      | 99-8303  | 3    | Spring - Nozzle        |          |          |      |                        |
| 050      | 99-8304  | 3    | Spacer - Distance      |          |          |      |                        |
| 060      | 99-8305  | 3    | Rod-Push               |          |          |      |                        |
| 070      | 99-8306  | 3    | Nut - Nozzle           |          |          |      |                        |
| 080      | 99-8307  | 3    | Washer-Plain           |          |          |      |                        |
| 090      | 99-8308  | 3    | Piece - Nozzle         |          |          |      |                        |
| 100      | 99-8309  | 3    | Adjusting Washer ASM   |          |          |      |                        |
| 110      | 99-8315  | 3    | Washer-Adjust (0.52mm) |          |          |      |                        |
| 110      | 99-8316  | 3    | Washer-Adjust (0.54mm) |          |          |      |                        |
| 110      | 99-8317  | 3    | Washer-Adjust (0.56mm) |          |          |      |                        |
| 110      | 99-8318  | 3    | Washer-Adjust (0.58mm) |          |          |      |                        |
| 110      | 99-8319  | 3    | Washer-Adjust (0.80mm) |          |          |      |                        |
| 110      | 99-8310  | 3    | Washer-Adjust (0.10mm) |          |          |      |                        |
| 110      | 99-8311  | 3    | Washer-Adjust (0.20mm) |          |          |      |                        |
| 110      | 99-8312  | 3    | Washer-Adjust (0.30mm) |          |          |      |                        |



Sheet No.:71

## Alternator and Pulley Assembly

| Ref. No. | Part No. | Qty. | Description       |
|----------|----------|------|-------------------|
| 010      | 98-9474  | 1    | Alternator ASM    |
| 020      | 98-9573  | 1    | Stay-Dynamo       |
| 030      | 98-7697  | 1    | Bolt              |
| 040      | 98-9360  | 1    | Bolt              |
| 050      | 98-7737  | 1    | Nut               |
| 060      | 3256-24  | 1    | Washer-Flat       |
| 070      | 98-7738  | 1    | Washer-Spring     |
| 080      | 100-9233 | 1    | Washer-Plain      |
| 090      | 98-7692  | 1    | Bolt              |
| 100      | 98-9473  | 1    | Pulley-Drive, Fan |
| 110      | 98-9585  | 1    | Bolt              |

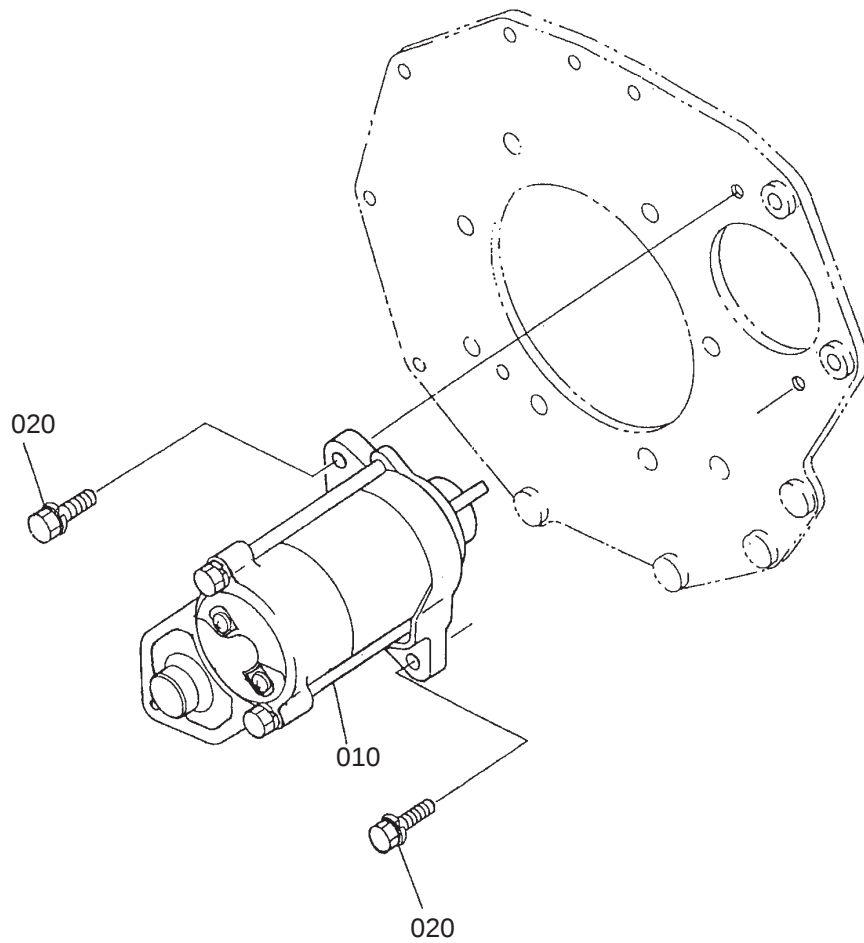


Sheet No.:72

## Alternator Assembly

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 010      | 98-9474  | 1    | Alternator ASM     |
| 020      | 98-9453  | 1    | Pulley-Dynamo      |
| 030      | 98-7708  | 1    | Nut                |
| 040      | 98-7709  | 1    | Collar             |
| 050      | 98-7710  | 1    | Rotor              |
| 060      | 98-7711  | 1    | Cover-Bearing      |
| 070      | 98-7712  | 1    | Bearing-Ball       |
| 080      | 98-7713  | 1    | Washer-Thrust      |
| 090      | 98-7714  | 1    | Frame-End, Drive   |
| 100      | 98-7715  | 1    | Plate-Retainer     |
| 110      | 98-7716  | 4    | Screw-Head, Round  |
| 120      | 98-7717  | 2    | Bolt-Through       |
| 130      | 98-7718  | 1    | Bearing-Ball       |
| 140      | 98-7719  | 1    | Frame-End          |
| 150      | 98-7720  | 1    | Cover-End          |
| 160      | 98-7721  | 1    | Rectifier ASM      |
| 170      | 98-7722  | 1    | Bushing-Insulation |
| 180      | 98-7723  | 1    | Holder-Brush       |
| 190      | 98-7724  | 2    | Brush              |
| 200      | 98-7725  | 2    | Spring-Brush       |
| 210      | 98-7726  | 2    | Screw-Head, Round  |
| 220      | 98-7727  | 6    | Screw-Head, Round  |
| 230      | 98-7728  | 1    | Screw-Head, Round  |
| 240      | 98-7729  | 3    | Bolt               |
| 250      | 98-7730  | 2    | Nut                |
| 260      | 98-7731  | 2    | Bolt               |

| Ref. No. | Part No. | Qty. | Description   |
|----------|----------|------|---------------|
| 270      | 98-7732  | 1    | Nut           |
| 280      | 98-7733  | 1    | Regulator ASM |

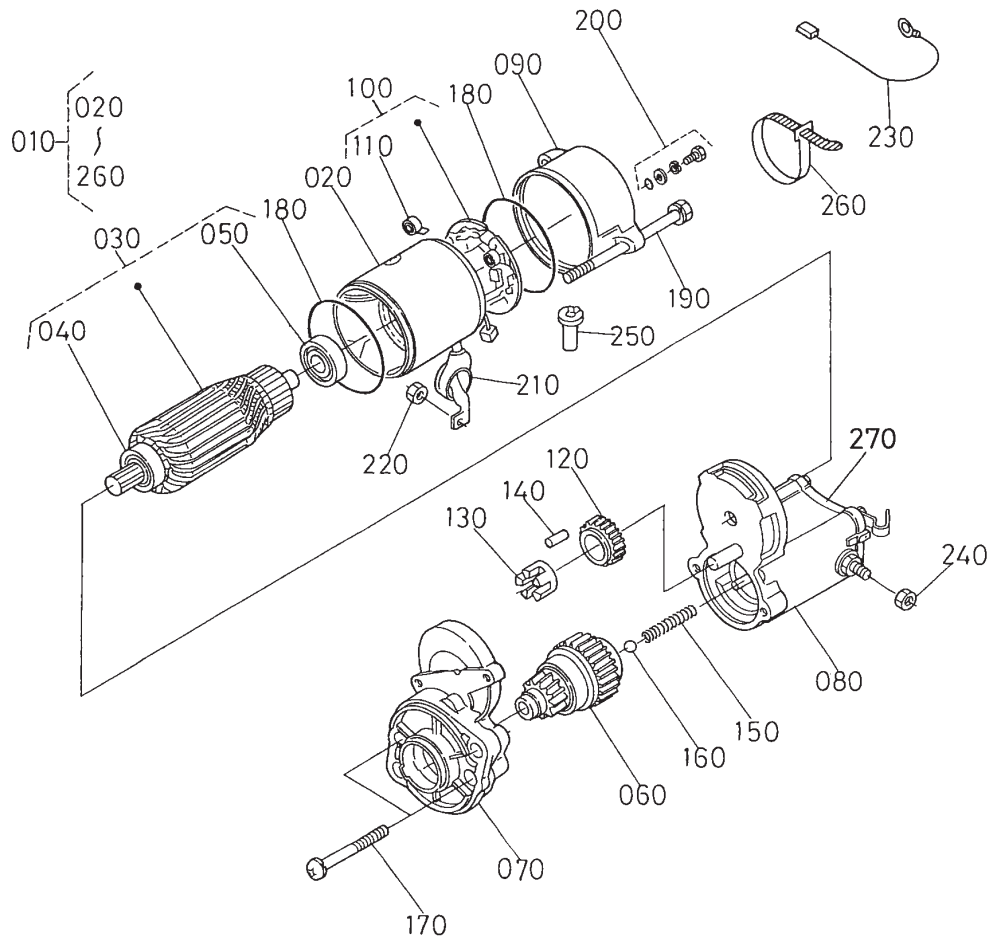


Sheet No.:73

## Starter Mount Assembly

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
| 010      | 98-9705  | 1    | Starter ASM |
| 020      | 98-7697  | 2    | Bolt        |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
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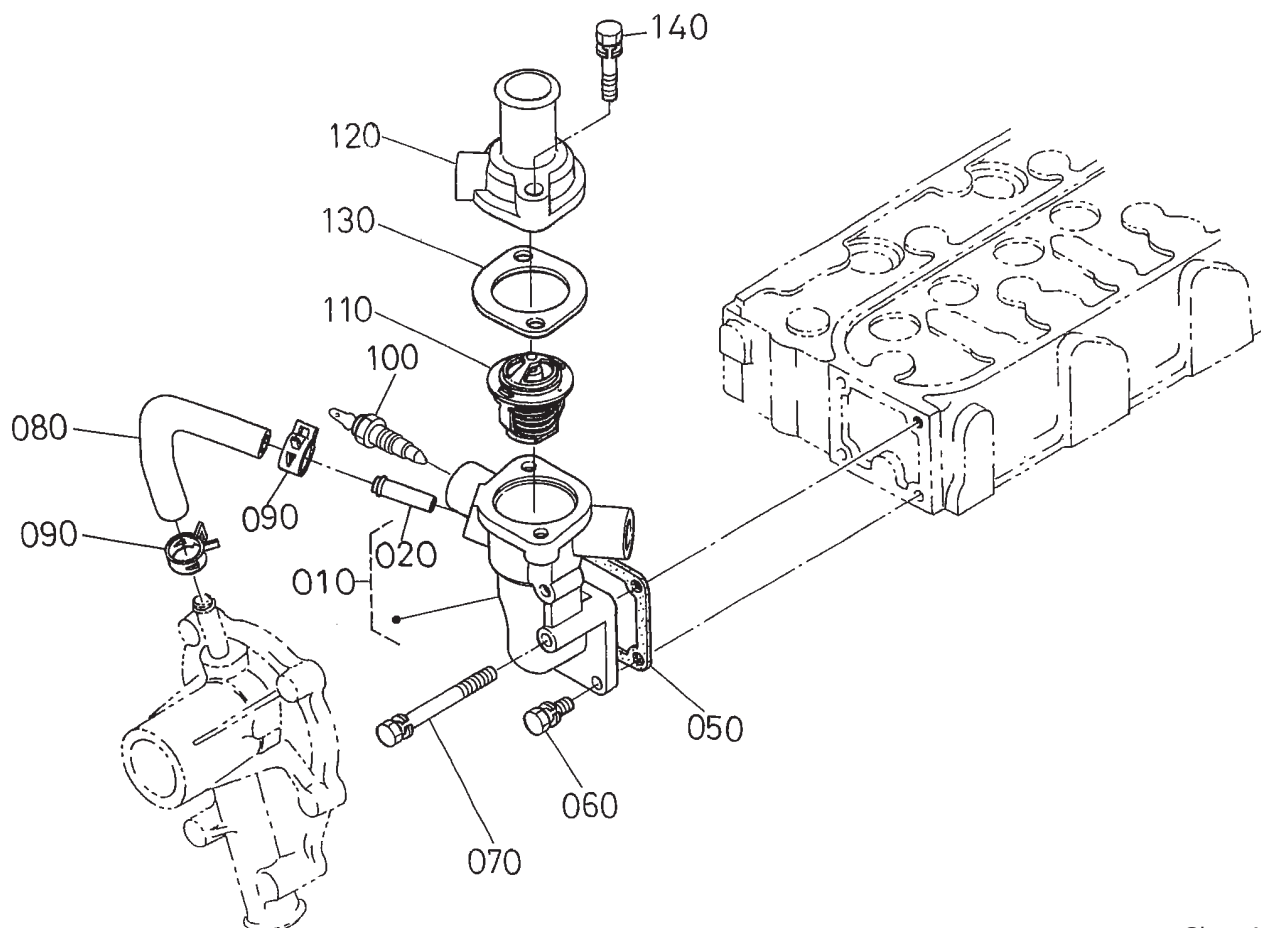


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## Starter Assembly No. 98-9705

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 010      | 98-9705  | 1    | Starter ASM          |
| 020      | 104-8608 | 1    | Yoke ASM             |
| 030      | 98-7742  | 1    | Armature ASM         |
| 040      | 98-7744  | 1    | Bearing              |
| 050      | 98-7743  | 1    | Bearing              |
| 060      | 99-8373  | 1    | Clutch-Running, Over |
| 070      | 99-8374  | 1    | Frame-End, Drive     |
| 080      | 105-3746 | 1    | Magnetic Switch ASM  |
| 090      | 98-7748  | 1    | Frame-End            |
| 100      | 98-7749  | 1    | Brush Holder ASM     |
| 110      | 98-7750  | 4    | Spring-Brush         |
| 120      | 98-7751  | 1    | Gear                 |
| 130      | 98-7752  | 1    | Retainer             |
| 140      | 98-7753  | 5    | Roller               |
| 150      | 98-7754  | 1    | Spring               |
| 160      | 98-7755  | 1    | Ball                 |
| 170      | 98-7756  | 2    | Bolt                 |
| 180      | 98-7757  | 2    | O-Ring               |
| 190      | 100-9240 | 2    | Bolt                 |
| 200      | 98-7758  | 2    | Bolt ASM             |
| 210      | 99-8375  | 1    | Cover                |
| 220      | 99-8371  | 1    | Nut-Hex              |
| 230      | 98-9711  | 1    | Cord-Solenoid, Stop  |
| 240      | 99-8376  | 1    | Nut - Hex            |
| 250      | 98-7759  | 1    | Pipe-Drain           |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
| 260      | 98-9712  | 1    | Band-Cover  |
| 270      | 105-2886 | 1    | Cover ASM   |

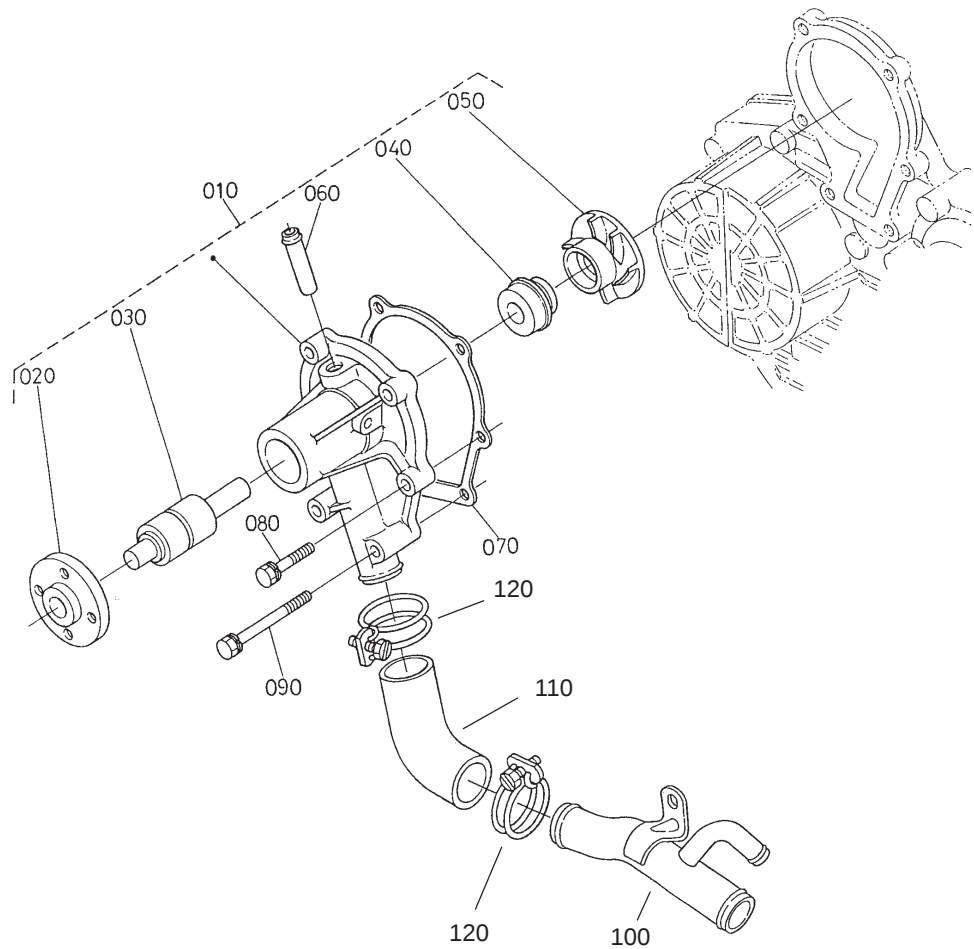


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## Water Flange and Thermostat Assembly

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 010      | 98-9713  | 1    | Water Flange ASM     |
| 020      | 98-9580  | 1    | Pipe-Return, Water   |
| 050      | 98-9638  | 1    | Gasket-Flange, Water |
| 060      | 98-7692  | 3    | Bolt                 |
| 070      | 98-9356  | 1    | Bolt                 |
| 080      | 98-9578  | 1    | Pipe-Return, Water   |
| 090      | 98-9579  | 2    | Band-Pipe            |
| 100      | 98-9719  | 1    | Thermoswitch         |
| 110      | 98-7778  | 1    | Thermostat ASM       |
| 120      | 98-9471  | 1    | Cover-Thermostat     |
| 130      | 105-3748 | 1    | Gasket-Thermostat    |
| 140      | 98-7777  | 2    | Bolt                 |

| Ref. No. | Part No. | Qty. | Description |
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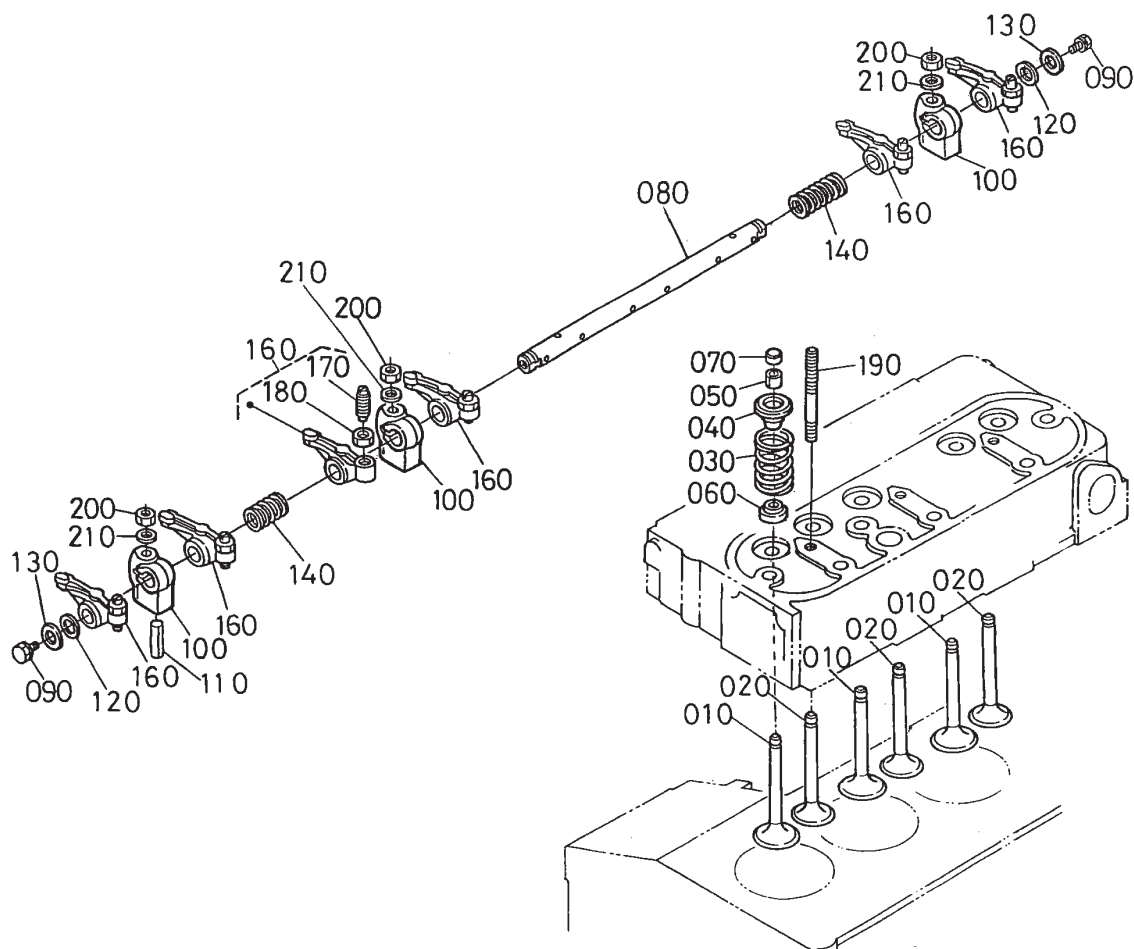


Sheet No.:76

Water pump and Water Pipe Assembly

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 010      | 98-9575  | 1    | Water Pump ASM       |
| 020      | 98-9582  | 1    | Flange-Pump, Water   |
| 030      | 98-9583  | 1    | Bearing              |
| 040      | 98-9576  | 1    | Mechanical Seal ASM  |
| 050      | 98-9581  | 1    | Impeller-Pump, Water |
| 060      | 98-9577  | 1    | Pipe-Return, Water   |
| 070      | 98-9632  | 1    | Gasket, Water Pump   |
| 080      | 105-3789 | 1    | Bolt                 |
| 090      | 98-9357  | 4    | Bolt                 |
| 100      | 98-9716  | 1    | Pipe-Water           |
| 110      | 98-9574  | 1    | Pipe-Water           |
| 120      | 98-9717  | 2    | Clamp                |

| Ref. No. | Part No. | Qty. | Description |
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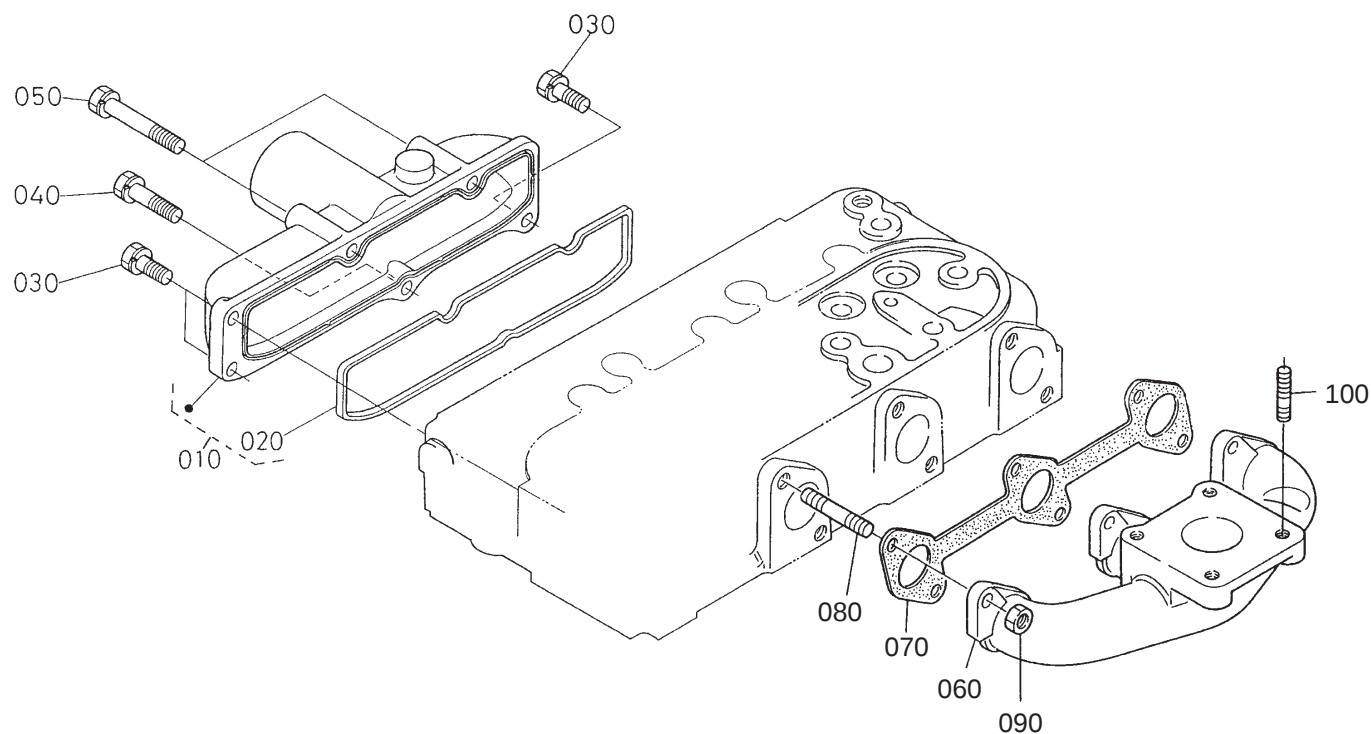


Sheet No.:77

## Valve and Rocker Arm Assembly

| Ref. No. | Part No. | Qty. | Description                 |
|----------|----------|------|-----------------------------|
| 010      | 98-9494  | 3    | Valve-Inlet                 |
| 020      | 98-9495  | 3    | Valve, Exhaust              |
| 030      | 98-9648  | 6    | Spring, Valve               |
| 040      | 98-9498  | 6    | Retainer-Valve              |
| 050      | 98-9390  | 6    | Collet-Set, Valve<br>Spring |
| 060      | 99-8385  | 6    | Seat-Stem, Valve            |
| 070      | 98-9497  | 6    | Cap-Valve                   |
| 080      | 105-3790 | 1    | R-Arm Shaft ASM             |
| 090      | 100-9265 | 2    | Bolt                        |
| 100      | 98-9505  | 3    | Bracket-Arm, Rocker         |
| 110      | 98-7602  | 1    | Pin-Spring                  |
| 120      | 98-9507  | 2    | Washer-Shaft,<br>R-Arm      |
| 130      | 3256-1   | 2    | Washer-Flat                 |
| 140      | 98-9504  | 2    | Spring-Arm, Rocker          |
| 160      | 98-9501  | 6    | Rocker Arm ASM              |
| 170      | 98-9502  | 6    | Screw, Adjusting            |
| 180      | 98-9503  | 6    | Nut                         |
| 190      | 98-9506  | 3    | Stud                        |
| 200      | 98-9393  | 3    | Nut                         |
| 210      | 98-9385  | 3    | Washer - Flat               |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:78

## Inlet and Exhaust Manifold Assembly

| Ref. No. | Part No. | Qty. | Description        |
|----------|----------|------|--------------------|
| 010      | 105-3791 | 1    | Inlet Manifold ASM |
| 020      | 98-9609  | 1    | Gasket             |
| 030      | 98-7605  | 3    | Bolt               |
| 040      | 98-9353  | 1    | Bolt               |
| 060      | 98-9718  | 1    | Manifold – Exhaust |
| 070      | 98-9610  | 1    | Gasket             |
| 080      | 98-9588  | 6    | Stud               |
| 090      | 98-9665  | 6    | Nut                |
| 100      | 98-7769  | 4    | Stud               |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

## Maintenance Record

[illegible]

## Maintenance Record

[illegible]

## Maintenance Record

[illegible]

