

# PARTS MANUAL



## **JTNS20HTCSL JTNSW20HTCSL RIDE-ON POWER TROWEL (HONDA GX630RQZB2-R280 GASOLINE ENGINE)**

Revision #1 (11/08/13)

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**THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.**

**P/N 24100**

## JTNS/SW20H Ride-On Power Trowel

|                                            |   |
|--------------------------------------------|---|
| Table Of Contents .....                    | 2 |
| Explanation Of Code In Remarks Column..... | 4 |
| Suggested Spare Parts .....                | 5 |

### Component Drawings

|                                          |       |
|------------------------------------------|-------|
| Nameplate and Decals Assembly.....       | 6-7   |
| Steering Assembly (Left-Side) .....      | 8-9   |
| Steering Assembly (Right-Side) .....     | 10-11 |
| JTNS Pivot Assembly .....                | 12-13 |
| JTNSW Left-Side Pivot Assembly .....     | 14-15 |
| JTNSW Right-Side Pivot Assembly .....    | 16-17 |
| JTNS Gearbox Assembly (Left-Side).....   | 18-19 |
| JTNS Gearbox Assembly (Right-Side) ..... | 20-21 |
| JTNSW Gearbox Assembly (Left-Side) ..... | 22-23 |
| JTNSW Gearbox Assembly (Right-Side)..... | 24-25 |
| Pitch Control Tower Assembly .....       | 26-29 |
| Pitch Control Drive Cable Assembly ..... | 30-31 |
| Fuel Tank Assembly.....                  | 32-33 |
| Drive Assembly.....                      | 34-35 |
| Engine Mounting and Clutch Assembly..... | 36-37 |
| Engine Components Assembly .....         | 38-39 |
| Spider Assembly (Left) .....             | 40-41 |
| Spider Assembly (Right).....             | 42-43 |
| Seat Frame Assembly .....                | 44-45 |
| Foot Pedal Assembly .....                | 46-47 |
| Battery Assembly.....                    | 48-49 |
| Spray Tank Assembly .....                | 50-51 |
| Lights Assembly .....                    | 52-53 |
| Front Panel Assembly.....                | 54-55 |
| Harness Assembly.....                    | 56-57 |
| E-Z Mover and Lift Handle Assembly ..... | 58-59 |

#### NOTICE

Specifications and part numbers are subject to change without notice.

|                                           |    |
|-------------------------------------------|----|
| Terms and Conditions Of Sale — Parts..... | 60 |
|-------------------------------------------|----|

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## EXPLANATION OF CODE IN REMARKS COLUMN

The following section explains the different symbols and remarks used in the Parts section of this manual. Use the help numbers found on the back page of the manual if there are any questions.

### NOTICE

The contents and part numbers listed in the parts section are subject to change **without notice**. Multiquip does not guarantee the availability of the parts listed.

### SAMPLE PARTS LIST

| NO. | PART NO. | PART NAME            | QTY. | REMARKS             |
|-----|----------|----------------------|------|---------------------|
| 1   | 12345    | BOLT .....           | 1    | INCLUDES ITEMS W/%  |
| 2%  |          | WASHER, 1/4 IN. .... |      | NOT SOLD SEPARATELY |
| 2%  | 12347    | WASHER, 3/8 IN. ...  | 1    | MQ-45T ONLY         |
| 3   | 12348    | HOSE .....           |      | A/R ...MAKE LOCALLY |
| 4   | 12349    | BEARING .....        | 1    | S/N 2345B AND ABOVE |

### NO. Column

**Unique Symbols** — All items with same unique symbol

(@, #, +, %, or >) in the number column belong to the same assembly or kit, which is indicated by a note in the “Remarks” column.

**Duplicate Item Numbers** — Duplicate numbers indicate multiple part numbers, which are in effect for the same general item, such as different size saw blade guards in use or a part that has been updated on newer versions of the same machine.

### NOTICE

When ordering a part that has more than one item number listed, check the remarks column for help in determining the proper part to order.

### PART NO. Column

**Numbers Used** — Part numbers can be indicated by a number, a blank entry, or TBD.

TBD (To Be Determined) is generally used to show a part that has not been assigned a formal part number at the time of publication.

A blank entry generally indicates that the item is not sold separately or is not sold by Multiquip. Other entries will be clarified in the “Remarks” Column.

### QTY. Column

**Numbers Used** — Item quantity can be indicated by a number, a blank entry, or A/R.

A/R (As Required) is generally used for hoses or other parts that are sold in bulk and cut to length.

A blank entry generally indicates that the item is not sold separately. Other entries will be clarified in the “Remarks” Column.

### REMARKS Column

Some of the most common notes found in the “Remarks” Column are listed below. Other additional notes needed to describe the item can also be shown.

**Assembly/Kit** — All items on the parts list with the same unique symbol will be included when this item is purchased.

Indicated by:

“INCLUDES ITEMS W/(unique symbol)”

**Serial Number Break** — Used to list an effective serial number range where a particular part is used.

Indicated by:

“S/N XXXXX AND BELOW”

“S/N XXXX AND ABOVE”

“S/N XXXX TO S/N XXX”

**Specific Model Number Use** — Indicates that the part is used only with the specific model number or model number variant listed. It can also be used to show a part is NOT used on a specific model or model number variant.

Indicated by:

“XXXXX ONLY”

“NOT USED ON XXXX”

**“Make/Obtain Locally”** — Indicates that the part can be purchased at any hardware shop or made out of available items. Examples include battery cables, shims, and certain washers and nuts.

**“Not Sold Separately”** — Indicates that an item cannot be purchased as a separate item and is either part of an assembly/kit that can be purchased, or is not available for sale through Multiquip.

## SUGGESTED SPARE PARTS

### JTNS20HTCSL/JTNSW20HTCSL RIDE-ON POWER TROWEL WITH HONDA GX630RQZB2-R280 GASOLINE ENGINE

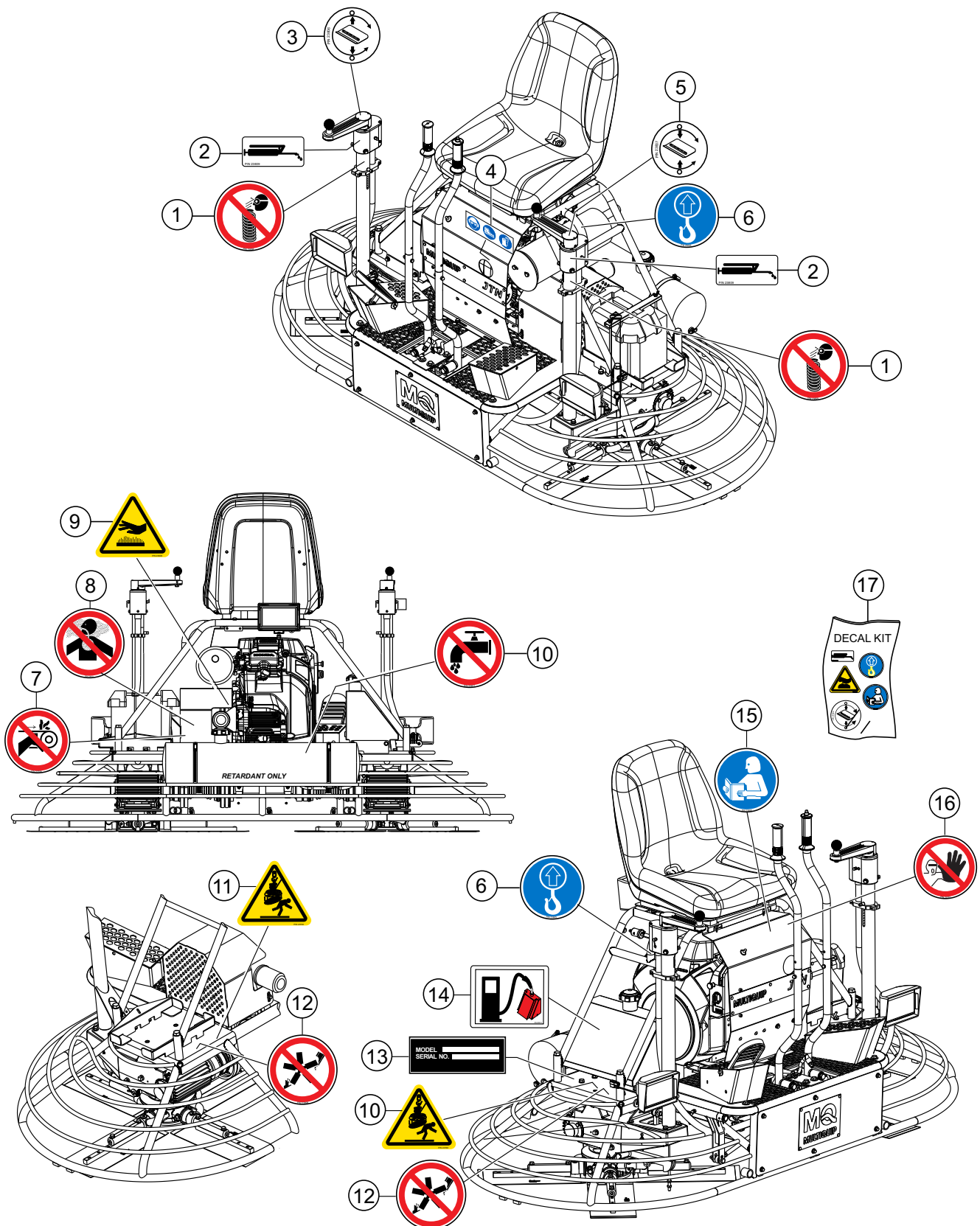
#### 1 to 3 units

| Qty.   | P/N                 | Description                               |
|--------|---------------------|-------------------------------------------|
| 2..... | 22762.....          | HANDLE GRIP W/ .63 HOLE                   |
| 2..... | 2584.....           | SWITCH                                    |
| 2..... | 2008.....           | CABLE PITCH                               |
| 1..... | 24090.....          | LEVER ASSY. TROWEL ADJUSTMENT             |
| 1..... | 24092.....          | KNOB, KIT                                 |
| 1..... | 24214.....          | THROTTLE CABLE, INNER                     |
| 2..... | 10968.....          | THRUST BEARING KIT                        |
| 4..... | 2826-1 .....        | ARM TROWEL, SILVER 9-3/4"                 |
| 2..... | 1555-1 .....        | RIGHT-SIDE TROWEL ARM LEVER               |
| 2..... | 1163-1 .....        | LEVER, TROWEL RH, SILVER                  |
| 8..... | 1157 A .....        | BUSHING, TROWEL ARM                       |
| 4..... | 1316.....           | SPRING, LS ARM RETURN                     |
| 4..... | 1317.....           | SPRING, RS ARM RETURN                     |
| 4..... | 1875.....           | WASHER, INT. SHKP, 3/8"                   |
| 4..... | 1322.....           | SCREW ASSY, RETAINING, ZERK               |
| 2..... | 11876-1 .....       | SPIDER PLATE, 1-1/8" SHAFT, 4-BLD, SILVER |
| 4..... | 24227.....          | CAP, GREASE ZERK                          |
| 1..... | 24224.....          | FUEL CAP, RED                             |
| 2..... | 35110-ZV5-V50 ..... | KEYS, IGNITION                            |
| 3..... | 20111.....          | GEARBOX LUBRICATING OIL (22 OZ. BOTTLE)   |
| 1..... | 24209.....          | CIRCUIT BREAKER, 30A, 12V                 |
| 1..... | 24210.....          | RELAY, KILL                               |
| 1..... | 24208.....          | LIGHT ASSY, RECTANGULAR W/ CONS           |
| 3..... | 17218-Z6L-000 ..... | AIR FILTER, OUTER                         |
| 1..... | 90325-044-000 ..... | NUT, TOOL BOX SETTING                     |
| 6..... | 98079-5587G.....    | SPARK PLUG (ZFR5F)                        |
| 3..... | 15410-Z6L-800.....  | CARTRIDGE, OIL FILTER                     |
| 2..... | 9820044300.....     | FUSE, 30 AMP                              |
| 2..... | 11064.....          | BELT, A36, GATES HP-11                    |

#### NOTICE

Part numbers on this Suggested Spare Parts list may supersede/replace the part numbers shown in the following parts lists.

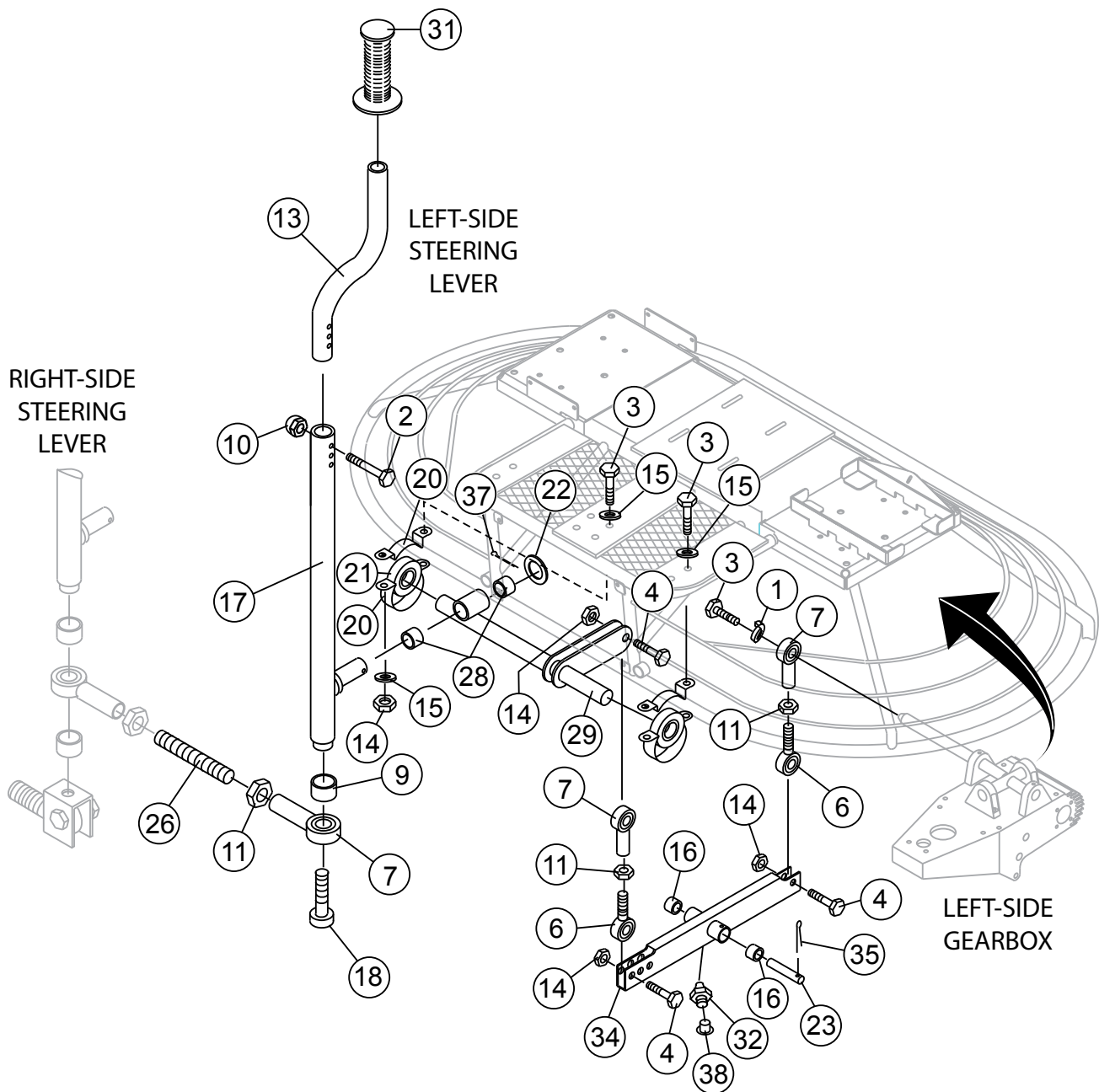
# NAMEPLATE AND DECALS



## NAMEPLATE AND DECALS

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                 | <u>QTY.</u> | <u>REMARKS</u>              |
|------------|-----------------|----------------------------------|-------------|-----------------------------|
| 1          | 23804           | DECAL, DO NOT DISASSEMBLE HAZARD | 2           |                             |
| 2          | 23809           | DECAL, LUBRICATION POINT         | 2           |                             |
| 3          | 23806           | DECAL, PITCH RH                  | 1           |                             |
| 4          | 36099           | DECAL, PROTECTIVE CLOTHING       | 1           |                             |
| 5          | 23807           | DECAL, PITCH LH                  | 1           |                             |
| 6          | 23805           | DECAL, LIFT LOCATION             | 2           |                             |
| 7          | 23810           | DECAL, INHALATION HAZARD         | 1           |                             |
| 8          | 23808           | DECAL, HOT SURFACE HAZARD        | 2           |                             |
| 9          | 23811           | DECAL, WARNING, NO WATER         | 1           |                             |
| 10         | 23700           | DECAL, LIFT/CRUSH HAZARD         | 2           |                             |
| 11         | 23698           | DECAL, ROTATING BLADE HAZARD     | 2           |                             |
| 12         |                 | SERIAL PLATE .....               | 1           | .....CONTACT MQ PARTS DEPT. |
| 13         | 23812           | DECAL, FUEL GASOLINE             | 1           |                             |
| 14         | 23699           | DECAL, READ MANUAL               | 1           |                             |
| 15         | 23701           | DECAL, ASK FOR TRAINING          | 1           |                             |
| 16         | 23659           | KIT, DECAL                       | 1           |                             |

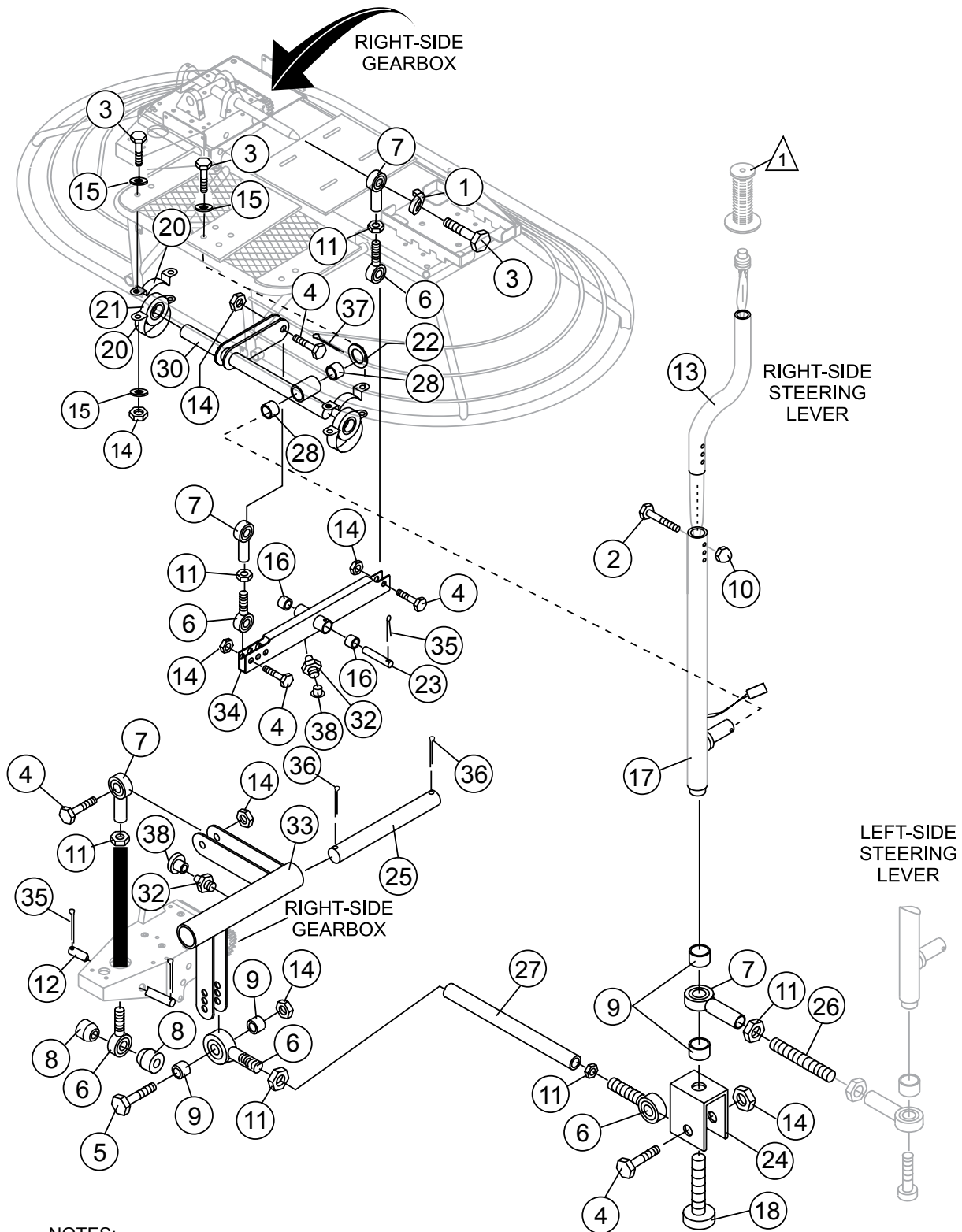
# STEERING ASSY. (LEFT-SIDE)



## STEERING ASSY. (LEFT-SIDE)

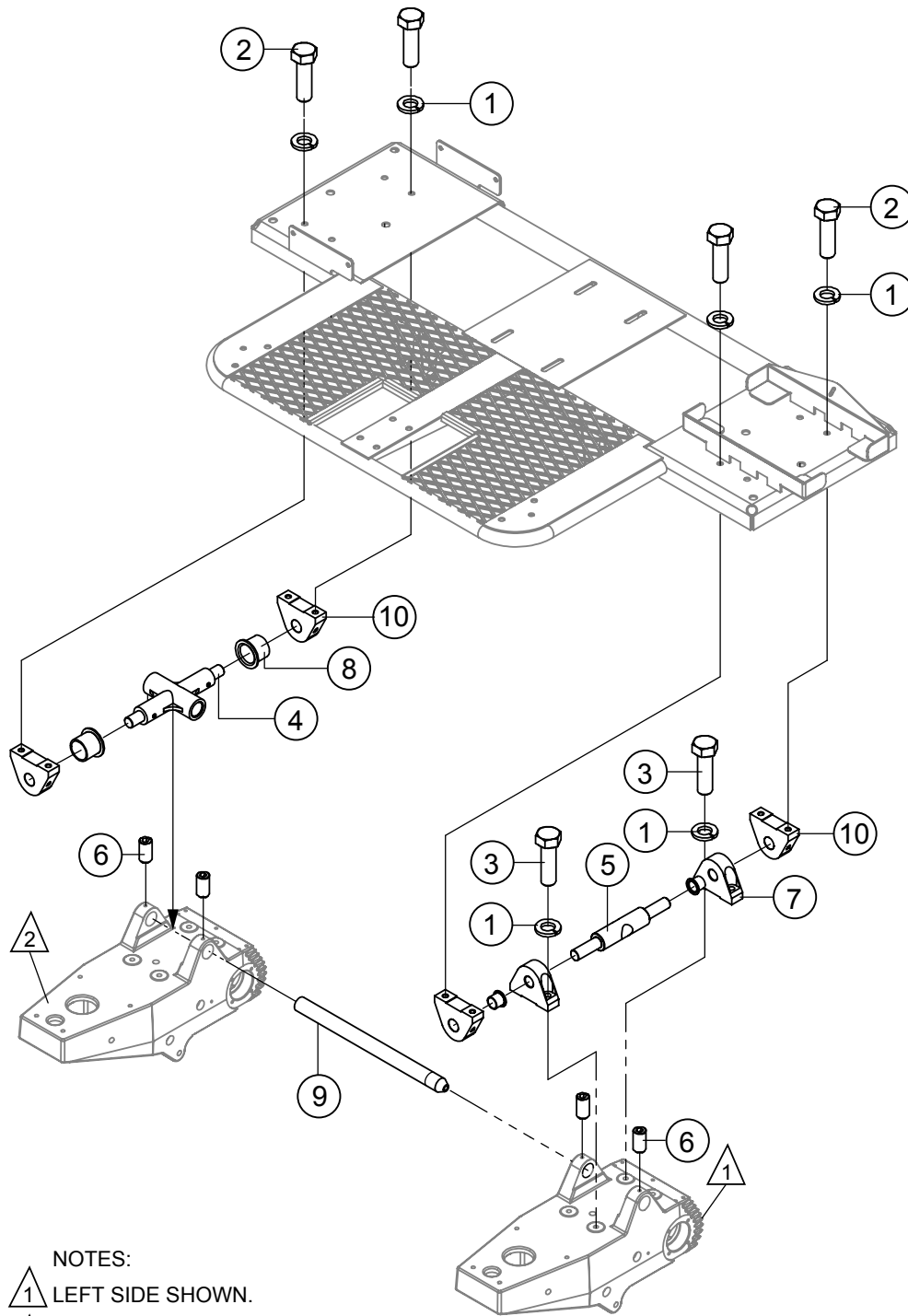
| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                 | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|----------------------------------|-------------|----------------|
| 1          | 0166 A          | WASHER, LOCK, 3/8" MED.          | 2           |                |
| 2          | 424             | SCREW, HHC 1/4-20 X 1-1/4"       | 2           |                |
| 3          | 1023            | SCREW, HHC 3/8-16 X 1-1/4" GRD 5 | 10          |                |
| 4          | 1284            | SCREW, HHC 3/8-16 X 1-1/2"       | 8           |                |
| 5          | 1665            | SCREW, HHC 3/8-16 X 2"           | 1           |                |
| 6          | 2063            | ROD END, 3/8-24 MALE RH          | 7           |                |
| 7          | 2064            | ROD END, 3/8-24 FEMALE RH        | 7           |                |
| 8          | 2188            | SPACER .....                     | 2           | JTNS           |
| 8          | 24122           | SPACER.....                      | 2           | JTNSW          |
| 9          | 2196            | SPACER                           | 5           |                |
| 10         | 2197            | NUT, ACORN 1/4-20                | 2           |                |
| 11         | 2199            | NUT, HEX JAM 3/8-24              | 9           |                |
| 12         | 3550            | PIN, SHROUD HINGE .....          | 1           | JTNS           |
| 12         | 24133           | PIN, SHROUD HINGE .....          | 1           | JTNSW          |
| 13         | 10130           | HANDLE TUBE                      | 2           |                |
| 14         | 10133           | NUT, NYLOC 3/8-16                | 17          |                |
| 15         | 10136           | WASHER, FLAT SAE 3/8"            | 16          |                |
| 16         | 11072           | BEARING, NEEDLE                  | 4           |                |
| 17         | 11079           | HANDLE, LOWER                    | 2           |                |
| 18         | 11089           | SCREW, SHC 3/8-16 X 2" PLATED    | 1           |                |
| 20         | 11138           | BEARING, HOUSING                 | 4           |                |
| 21         | 11149           | BEARING, INSERT                  | 4           |                |
| 22         | 11265           | WASHER, STEERING HANDLE          | 2           |                |
| 23         | 11275           | PIN, 3/8 DIA X 3"                | 2           |                |
| 24         | 11303           | BRACKET, L/R MOTION ROD          | 1           |                |
| 25         | 11497           | SHAFT, L/R, MOTION LEVER         | 1           |                |
| 26         | 11498           | THREADPIECE, CONN. STEERING      | 1           |                |
| 27         | 11513           | ROD, L/R, LINKAGE                | 1           |                |
| 28         | 12408           | BUSHING                          | 4           |                |
| 29         | 12650           | STEERING CONTROL, LS             | 1           |                |
| 31         | 22762           | GRIP, HANDLE, W/ HOLE            | 1           |                |
| 32         | 24110           | FITTING, GREASE ZERK 45 DEG      | 3           |                |
| 33         | 24123           | RIGHT-LEFT MOTION CONTROL ARM    | 1           |                |
| 34         | 24134           | LEVER, STEERING CONTROL          | 2           |                |
| 35         | 24193           | PIN, COTTER, 2.5 X 30MM          | 4           |                |
| 37         | 24195           | PIN, COTTER, 4MM X 35MM          | 2           |                |
| 38         | 24227           | CAP, GREASE ZERK                 | 3           |                |

# STEERING ASSY. (RIGHT-SIDE)



## STEERING ASSY. (RIGHT-SIDE)

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                  | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|-----------------------------------|-------------|----------------|
| 1          | 0166 A          | WASHER, LOCK, 3/8" MED.           | 2           |                |
| 2          | 424             | SCREW, HHC 1/4-20 X 1-1/4"        | 2           |                |
| 3          | 1023            | SCREW, HHC 3/8-16 X 1-1/4" GRD 5  | 10          |                |
| 4          | 1284            | SCREW, HHC 3/8-16 X 1-1/2"        | 8           |                |
| 5          | 1665            | SCREW, HHC 3/8-16 X 2"            | 1           |                |
| 6          | 2063            | ROD END, 3/8-24 MALE RH           | 7           |                |
| 7          | 2064            | ROD END, 3/8-24 FEMALE RH         | 7           |                |
| 8          | 2188            | SPACER .....                      | 2           | .....JTNS      |
| 8          | 24122           | SPACER.....                       | 2           | .....JTNSW     |
| 9          | 2196            | SPACER                            | 5           |                |
| 10         | 2197            | NUT, ACORN 1/4-20                 | 2           |                |
| 11         | 2199            | NUT, HEX JAM 3/8-24               | 9           |                |
| 12         | 3550            | PIN, SHROUD HINGE .....           | 1           | .....JTNS      |
| 12         | 24133           | PIN, SHROUD HINGE .....           | 1           | .....JTNSW     |
| 13         | 10130           | HANDLE TUB                        | 2           |                |
| 14         | 10133           | NUT, NYLOC 3/8-16                 | 17          |                |
| 15         | 10136           | WASHER, FLAT SAE 3/8"             | 16          |                |
| 16         | 11072           | BEARING, NEEDLE                   | 4           |                |
| 17         | 11079           | HANDLE, LOWER                     | 2           |                |
| 18         | 11089           | SCREW, SHC 3/8-16 X 2" PLATED     | 1           |                |
| 19         | 11090           | SCREW, SHC 3/8-16 X 1-1/4" PLATED | 1           |                |
| 20         | 11138           | BEARING, HOUSING                  | 4           |                |
| 21         | 11149           | BEARING, INSERT                   | 4           |                |
| 22         | 11265           | WASHER, STEERING HANDLE           | 2           |                |
| 23         | 11275           | PIN, 3/8 DIA X 3"                 | 2           |                |
| 24         | 11303           | BRACKET, L/R MOTION ROD           | 1           |                |
| 25         | 11497           | SHAFT, L/R, MOTION LEVER          | 1           |                |
| 26         | 11498           | THREADPIECE, CONN. STEERING       | 1           |                |
| 27         | 11513           | ROD, L/R, LINKAGE                 | 1           |                |
| 28         | 12408           | BUSHING                           | 4           |                |
| 30         | 12651           | STEERING CONTROL, RS              | 1           |                |
| 31         | 22762           | GRIP, HANDLE W/ HOLE              | 2           |                |
| 32         | 24110           | FITTING, GREASE ZERK 45 DEG       | 3           |                |
| 33         | 24123           | RIGHT-LEFT MOTION CONTROL ARM     | 1           |                |
| 34         | 24134           | LEVER, STEERING CONTROL           | 2           |                |
| 35         | 24193           | PIN, COTTER, 2.5 X 30MM           | 4           |                |
| 36         | 24194           | PIN, COTTER 3MM X 40MM            | 1           |                |
| 37         | 24195           | PIN, COTTER, 4MM X 35MM           | 2           |                |
| 38         | 24227           | CAP, GREASE ZERK                  | 3           |                |

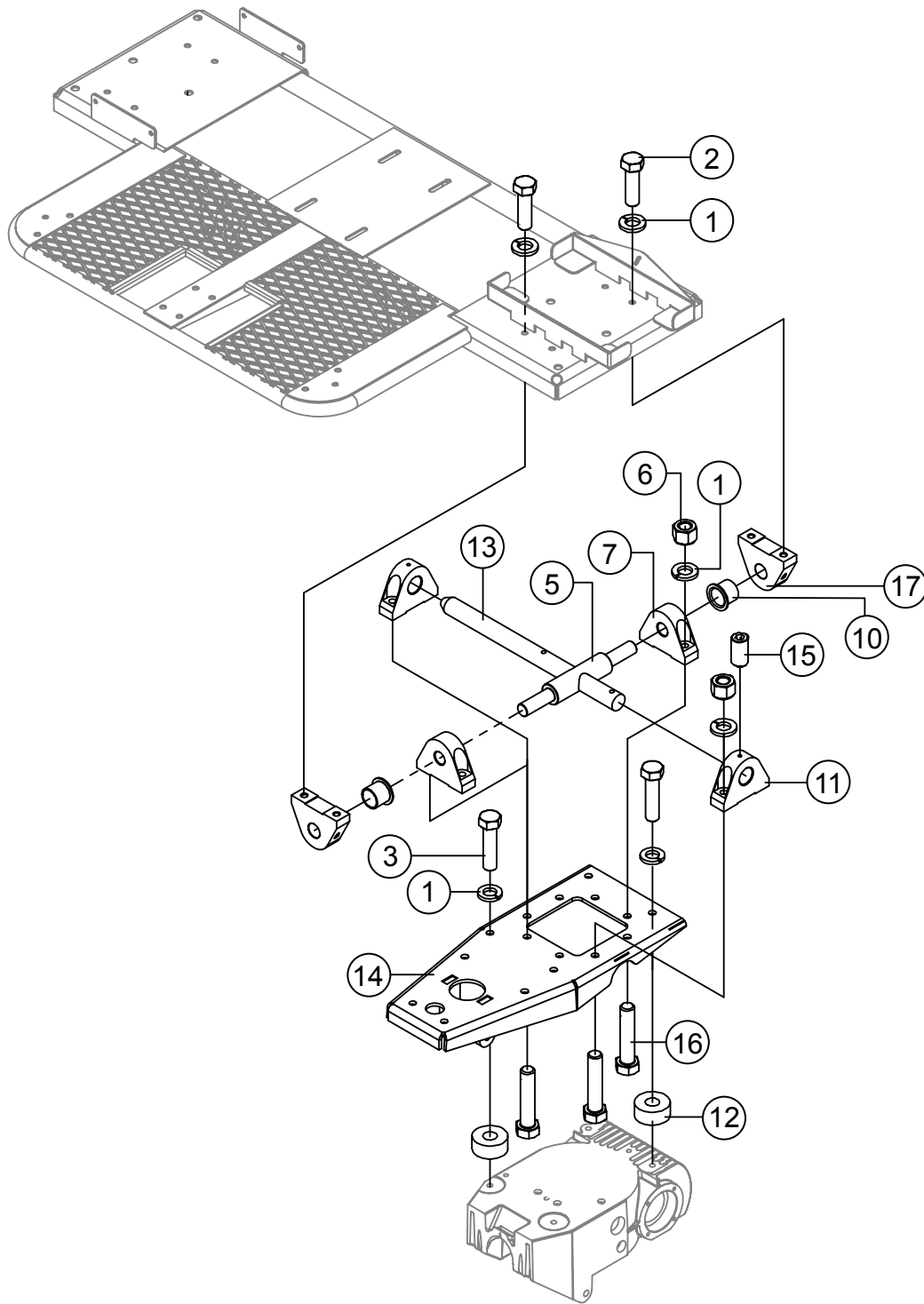


## **JTNS PIVOT ASSY.**

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| <b><u>NO.</u></b> | <b><u>PART NO.</u></b> | <b><u>PART NAME</u></b>          | <b><u>QTY.</u></b> | <b><u>REMARKS</u></b> |
|-------------------|------------------------|----------------------------------|--------------------|-----------------------|
| 1                 | 0166 A                 | WASHER, LOCK, 3/8" MED.          | 12                 |                       |
| 2                 | 1023                   | SCREW, HHC 3/8-16 X 1-1/4" GRD 5 | 8                  |                       |
| 3                 | 1284                   | SCREW, HHC 3/8-16 X 1-1/2"       | 4                  |                       |
| 4                 | 2044                   | ARM, PIVOT RH                    | 1                  |                       |
| 5                 | 2076                   | TUBE, PIVOT                      | 1                  |                       |
| 6                 | 10138                  | SCREW, SHS 1/4-20 X 1/2"         | 4                  |                       |
| 7                 | 10973                  | ROCKER BLOCK,                    | 2                  |                       |
| 8                 | 12408                  | BUSHING                          | 4                  |                       |
| 9                 | 24139                  | TUBE, CONTROL PIVOT 1"           | 2                  |                       |
| 10                | 392079                 | ROCKER BLOCK                     | 4                  |                       |

## JTNSW LEFT-SIDE PIVOT ASSY.

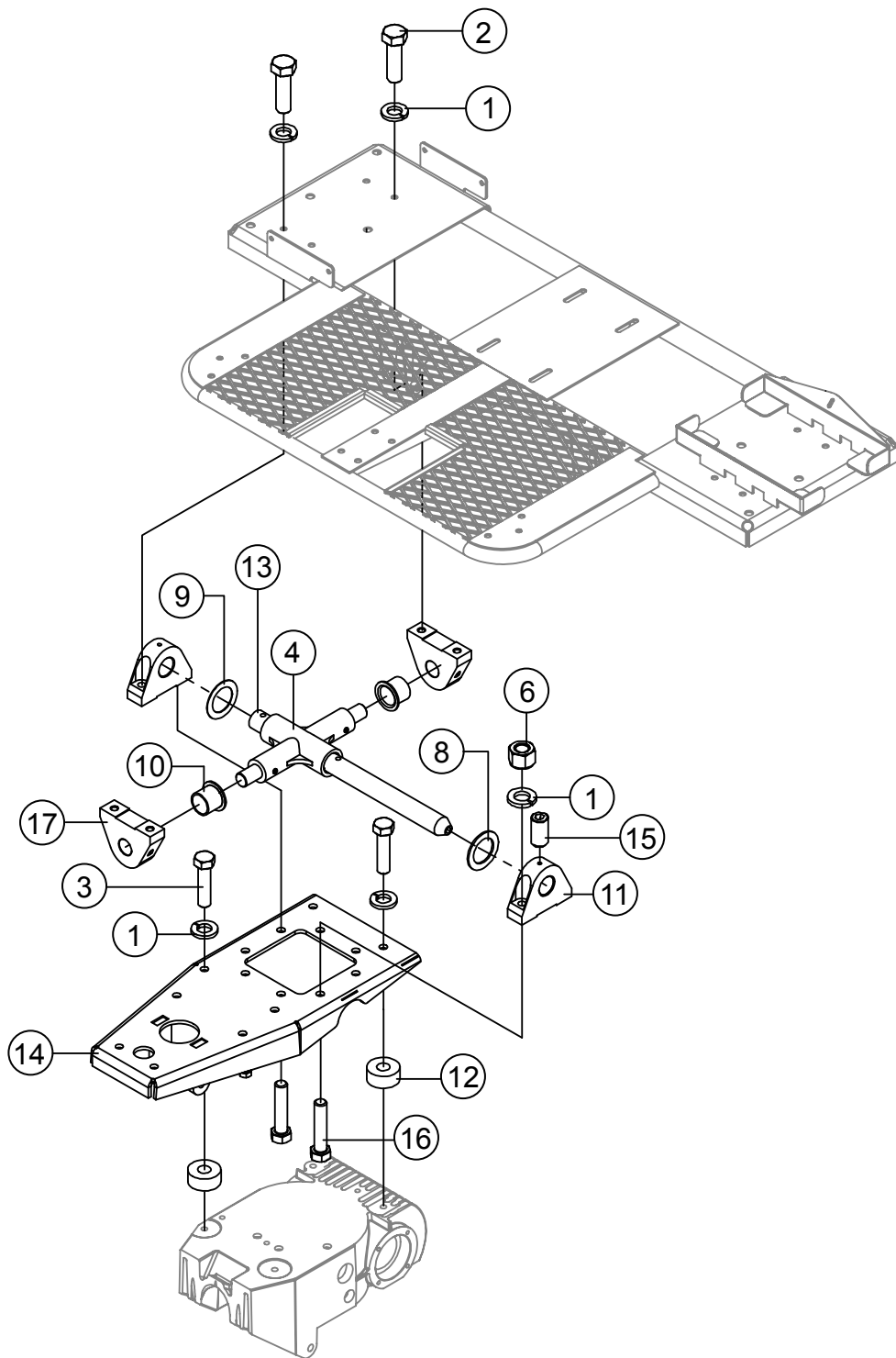


## **JTNSW LEFT-SIDE PIVOT ASSY.**

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| <b><u>NO.</u></b> | <b><u>PART NO.</u></b> | <b><u>PART NAME</u></b>          | <b><u>QTY.</u></b> | <b><u>REMARKS</u></b> |
|-------------------|------------------------|----------------------------------|--------------------|-----------------------|
| 1                 | 0166 A                 | WASHER, LOCK, 3/8" MED.          | 14                 |                       |
| 2                 | 1023                   | SCREW, HHC 3/8-16 X 1-1/4" GRD 5 | 4                  |                       |
| 3                 | 1284                   | SCREW, HHC 3/8-16 X 1-1/2"       | 4                  |                       |
| 5                 | 2076                   | TUBE, PIVOT LH                   | 1                  |                       |
| 6                 | 10133                  | NUT, NYLOC 3/8-16                | 6                  |                       |
| 7                 | 10973                  | ROCKER BLOCK                     | 2                  |                       |
| 10                | 12408                  | BUSHING                          | 2                  |                       |
| 11                | 24089                  | ROCKER BLOCK                     | 2                  |                       |
| 12                | 24099                  | SPACER                           | 4                  |                       |
| 13                | 24139                  | TUBE, CONTROL PIVOT 1"           | 1                  |                       |
| 14                | 24168                  | PLATE, GEARBOX ADAPTOR           | 1                  |                       |
| 15                | 24249                  | SCREW, SHS M6 X1.0 X 20MM        | 2                  |                       |
| 16                | 24250                  | SCREW, HHC 3/8-16 X 1-3/4" GRD5  | 6                  |                       |
| 17                | 392079                 | ROCKER BLOCK                     | 2                  |                       |

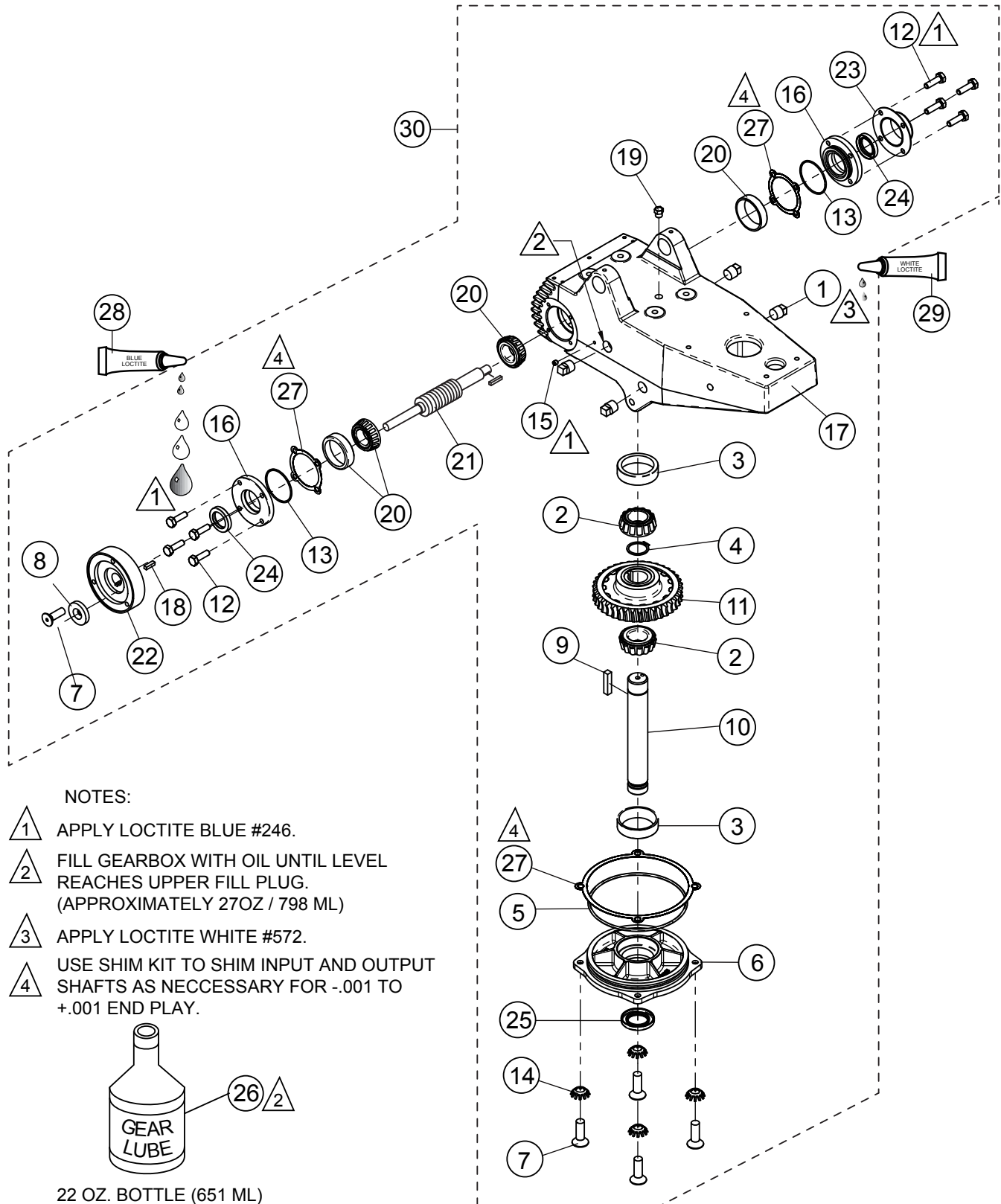
## JTNSW RIGHT-SIDE PIVOT ASSY.



## **JTNSW RIGHT-SIDE PIVOT ASSY.**

| <b><u>NO.</u></b> | <b><u>PART NO.</u></b> | <b><u>PART NAME</u></b>          | <b><u>QTY.</u></b> | <b><u>REMARKS</u></b> |
|-------------------|------------------------|----------------------------------|--------------------|-----------------------|
| 1                 | 0166 A                 | WASHER, LOCK, 3/8" MED.          | 14                 |                       |
| 2                 | 1023                   | SCREW, HHC 3/8-16 X 1-1/4" GRD 5 | 4                  |                       |
| 3                 | 1284                   | SCREW, HHC 3/8-16 X 1-1/2"       | 4                  |                       |
| 4                 | 2044                   | ARM, PIVOT RH                    | 1                  |                       |
| 6                 | 10133                  | NUT, NYLOC 3/8-16                | 6                  |                       |
| 8                 | 11772                  | SHIM, STEEL                      | AR                 |                       |
| 9                 | 11773                  | SHIM, STEEL                      | AR                 |                       |
| 10                | 12408                  | BUSHING                          | 2                  |                       |
| 11                | 24089                  | ROCKER BLOCK                     | 2                  |                       |
| 12                | 24099                  | SPACER                           | 4                  |                       |
| 13                | 24139                  | TUBE, CONTROL PIVOT 1"           | 1                  |                       |
| 14                | 24168                  | PLATE, GEARBOX ADAPTOR           | 1                  |                       |
| 15                | 24249                  | SCREW, SHS M6 X 1.0 X 20MM       | 2                  |                       |
| 16                | 24250                  | SCREW, HHC 3/8-16 X 1-3/4" GRD5  | 6                  |                       |
| 17                | 392079                 | ROCKER BLOCK                     | 2                  |                       |

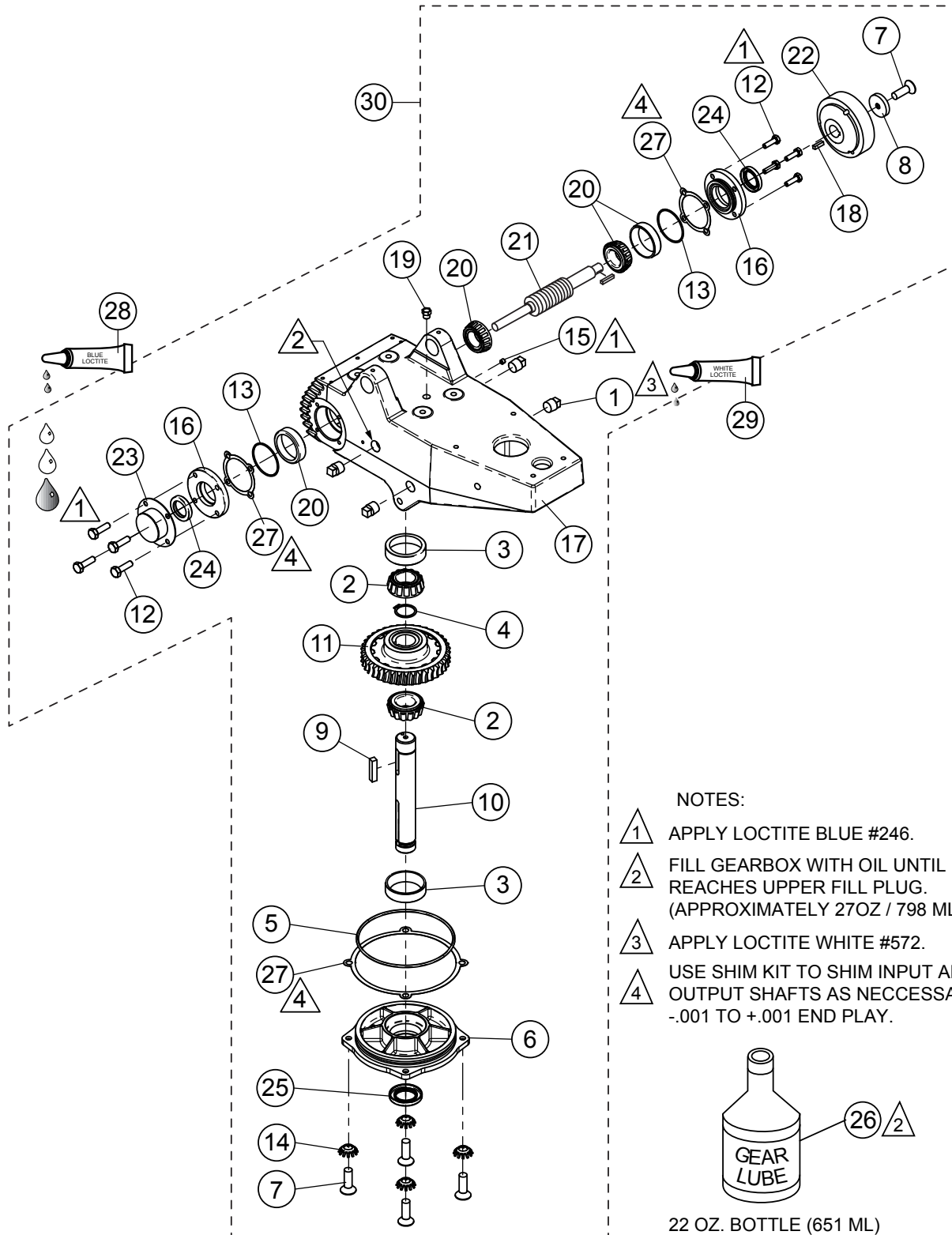
# JTNS GEARBOX ASSY. (LEFT-SIDE)



## JTNS GEARBOX ASSY. (LEFT-SIDE)

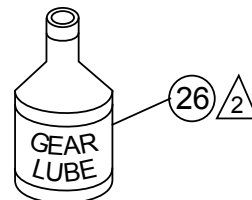
| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                    | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|-------------------------------------|-------------|--------------------|
| 1#         | 0121 A          | PIPE PLUG 3/8"                      | 4           |                    |
| 2#         | 0232            | BEARING, TAPERED ROLLER 1-1/8" I.D. | 2           |                    |
| 3#         | 0232 A          | BEARING, CUP 2-5/16 O.D.            | 2           |                    |
| 4#         | 1138            | SNAP RING, EXTERNAL, 1-1/8" DIA     | 1           |                    |
| 5#         | 1143            | O-RING                              | 1           |                    |
| 6#         | 1145            | COVER, GEARBOX OUTPUT               | 1           |                    |
| 7#         | 1146            | SCREW, FHSC 5/16-18X1", NYLOC       | 5           |                    |
| 8#         | 2037            | SPACER                              | 1           |                    |
| 9#         | 2229            | KEY, 5/16 X 1-7/16"                 | 1           |                    |
| 10#        | 2231            | SHAFT, OUTPUT                       | 1           |                    |
| 11#        | 2250            | GEAR, WORM, COMPOSITE, LH           | 1           |                    |
| 12#        | 2295            | SCREW, HHC 1/4-20 X 7/8"            | 8           |                    |
| 13#        | 2308            | O-RING                              | 2           |                    |
| 14#        | 10235           | WASHER, LOCK 5/16" EXT.             | 4           |                    |
| 15#        | 10450           | SCREW, SHS 10-32 X 1/4"             | 1           |                    |
| 16#        | 10498           | FLANGE COUNTER SHAFT                | 2           |                    |
| 17#        | 10800           | GEARBOX, MACHINED                   | 1           |                    |
| 18#        | 10909           | KEY, 3/16" SQ X 11/16"              | 1           |                    |
| 19#        | 21218           | VENT, AIR, GEAR BOX                 | 1           |                    |
| 20#        | 21634           | BEARING, CONE AND CUP 52 MM X 25 MM | 2           |                    |
| 21#        | 21764           | WORM CNTR SHAFT LS                  | 1           |                    |
| 22#        | 24121           | COUPLER, .75" ID                    | 1           |                    |
| 23#        | 24140           | COVER, GEARBOX, 3.00"               | 1           |                    |
| 24#        | 24207           | SEAL, OIL, DUAL LIP                 | 2           |                    |
| 25#        | 24254           | SEAL, OIL DUAL LIP                  | 1           |                    |
| 26         | 60073           | OIL, MOBIL SHC 634/EP 460 22 OZ.    | 2           |                    |
| 27#        | 24291           | KIT, SHIMS                          | 1           |                    |
| 28         | 60097           | LOCTITE, #246 BLUE                  | 1           |                    |
| 29         | 60096           | LOCTITE, #572 WHITE                 | 1           |                    |
| 30         | 24272           | GEARBOX ASSY., LS.....              | 1.....      | INCLUDES ITEMS W/# |

# JTNS GEARBOX ASSY. (RIGHT-SIDE)



## NOTES:

- 1 APPLY LOCTITE BLUE #246.
- 2 FILL GEARBOX WITH OIL UNTIL LEVEL REACHES UPPER FILL PLUG. (APPROXIMATELY 27OZ / 798 ML)
- 3 APPLY LOCTITE WHITE #572.
- 4 USE SHIM KIT TO SHIM INPUT AND OUTPUT SHAFTS AS NECESSARY FOR -.001 TO +.001 END PLAY.

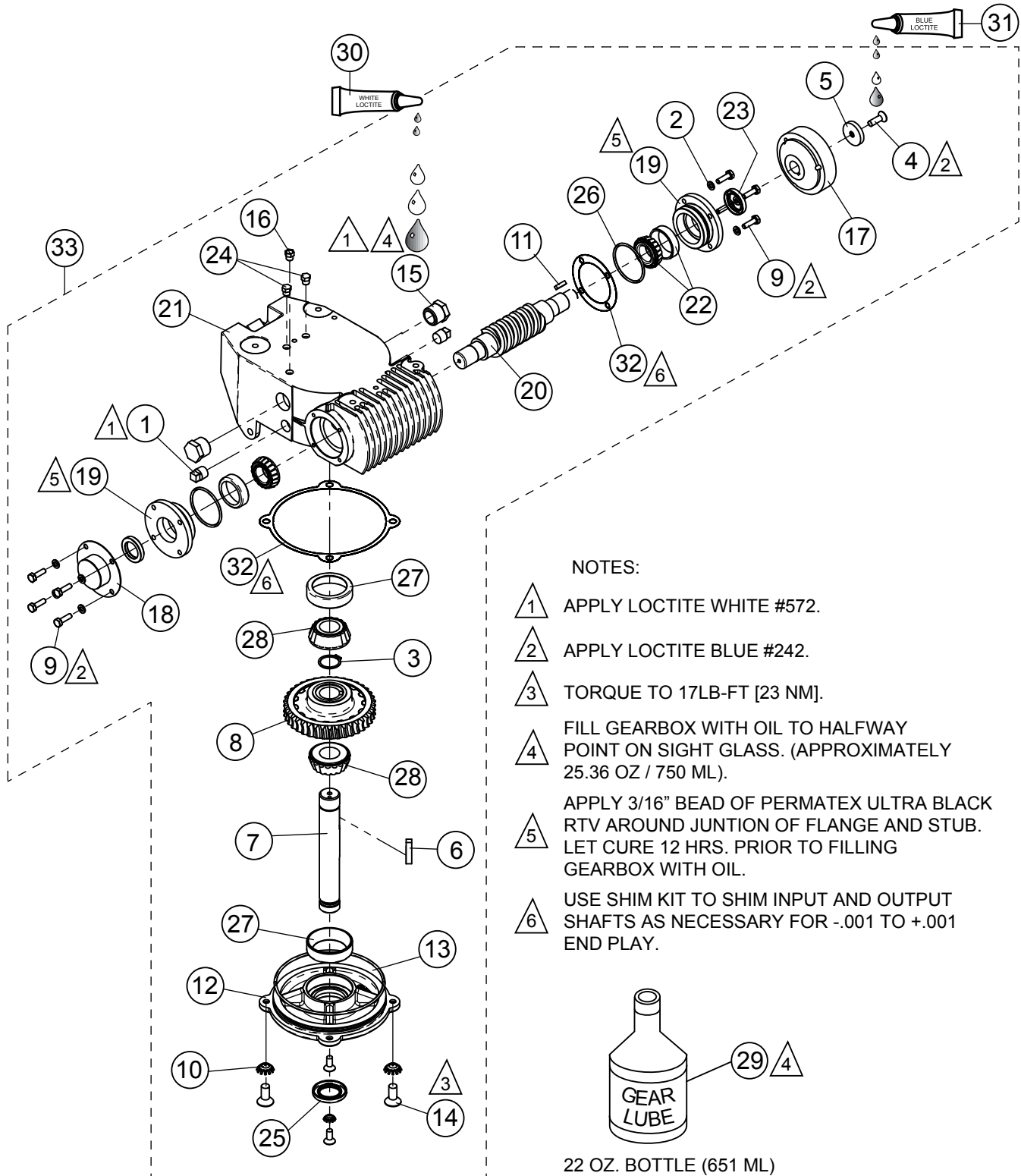


22 OZ. BOTTLE (651 ML)

## JTNS GEARBOX ASSY. (RIGHT-SIDE)

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                    | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|-------------------------------------|-------------|--------------------|
| 1#         | 0121 A          | PIPE PLUG 3/8"                      | 4           |                    |
| 2#         | 0232            | BEARING, TAPERED ROLLER 1-1/8" I.D. | 2           |                    |
| 3#         | 0232 A          | BEARING, CUP 2-5/16" O.D.           | 2           |                    |
| 4#         | 1138            | SNAP RING, EXTERNAL, 1-1/8" DIA     | 1           |                    |
| 5#         | 1143            | O-RING                              | 1           |                    |
| 6#         | 1145            | COVER, GEARBOX OUTPUT               | 1           |                    |
| 7#         | 1146            | SCREW, FHSC 5/16-18 X 1", NYLOC     | 5           |                    |
| 8#         | 2037            | SPACER                              | 1           |                    |
| 9#         | 2229            | KEY, 5/16" X 1-7/16"                | 1           |                    |
| 10#        | 2231            | SHAFT, OUTPUT                       | 1           |                    |
| 11#        | 2249            | GEAR, WORM, COMPOSITE, RH           | 1           |                    |
| 12#        | 2295            | SCREW, HHC 1/4-20 X 7/8"            | 8           |                    |
| 13#        | 2308            | O-RING                              | 2           |                    |
| 14#        | 10235           | WASHER, LOCK 5/16" EXT. TOOTH       | 4           |                    |
| 15#        | 10450           | SCREW, SHS 10-32 X 1/4"             | 1           |                    |
| 16#        | 10498           | FLANGE COUNTER SHAFT                | 2           |                    |
| 17#        | 10800           | GEARBOX, MACHINED                   | 1           |                    |
| 18#        | 10909           | KEY, 3/16" SQ X 11/16"              | 1           |                    |
| 19#        | 21218           | VENT, AIR, GEAR BOX                 | 1           |                    |
| 20#        | 21634           | BEARING, CONE & CUP 52 MM X 25 MM   | 2           |                    |
| 21#        | 21763           | WORM COUNTER SHAFT RS               | 1           |                    |
| 22#        | 24121           | COUPLER, .75" ID                    | 1           |                    |
| 23#        | 24140           | COVER, GEARBOX, 3.00"               | 1           |                    |
| 24#        | 24207           | SEAL, OIL, DUAL LIP                 | 2           |                    |
| 25#        | 24254           | SEAL, OIL DUAL LIP                  | 1           |                    |
| 26         | 20111           | OIL, MOBIL SHC 634/ EP 460 22 OZ.   | 2           |                    |
| 27#        | 24291           | KIT, SHIMS                          | 1           |                    |
| 28         | 60097           | LOCTITE, #246 BLUE                  | 1           |                    |
| 29         | 60096           | LOCTITE, #572 WHITE                 | 1           |                    |
| 30         | 24273           | GEARBOX ASSY., RS.....              | 1.....      | INCLUDES ITEMS W/# |

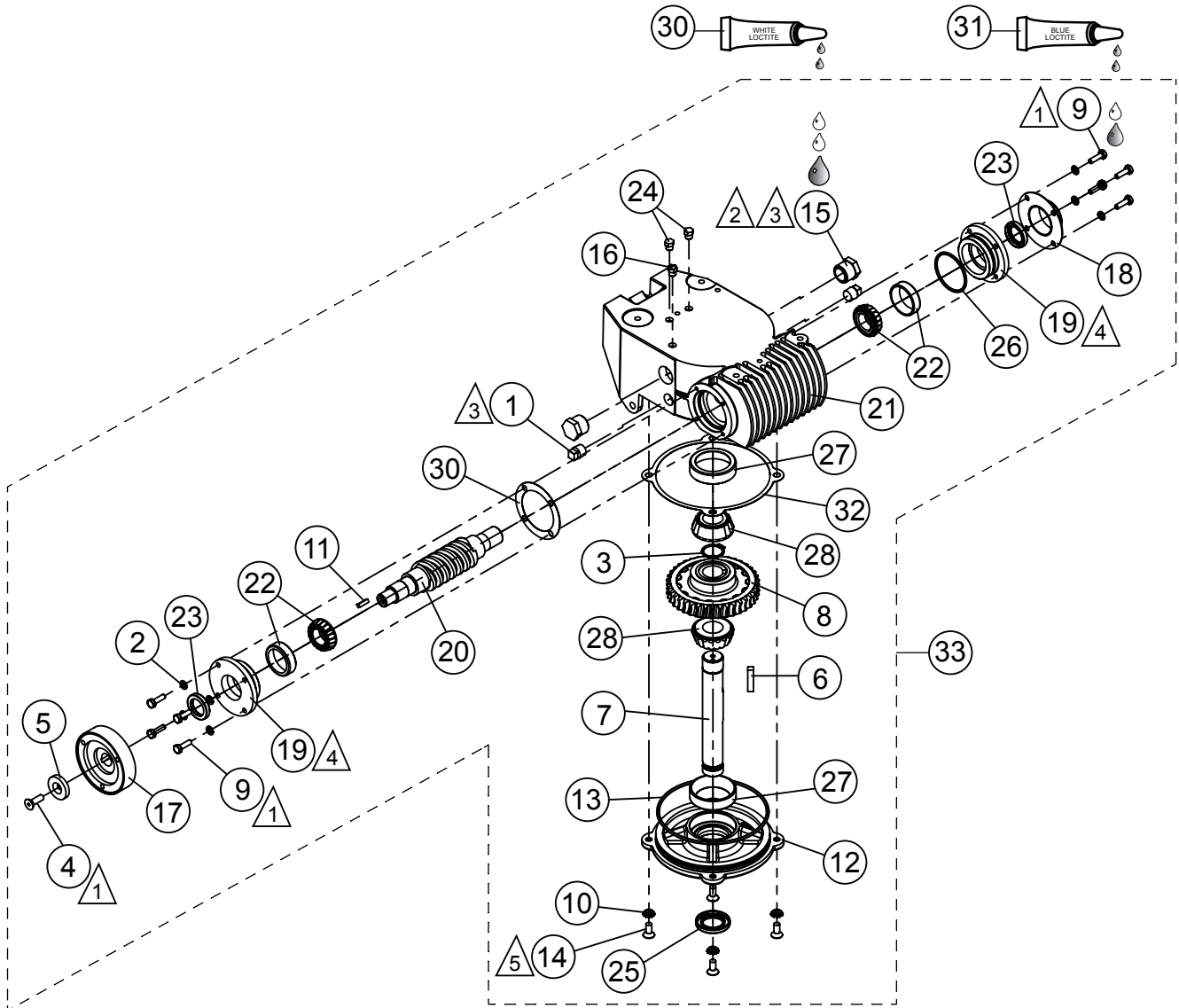
# JTNSW GEARBOX ASSY. (LEFT-SIDE)



## JTNSW GEARBOX ASSY. (LEFT-SIDE)

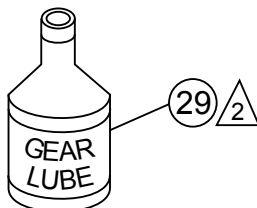
| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                 | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|----------------------------------|-------------|--------------------|
| 1#         | 0121 A          | PIPE PLUG 3/8"                   | 2           |                    |
| 2#         | 0181 B          | WASHER, LOCK 1/4" MED            | 8           |                    |
| 3#         | 1138            | SNAP RING, EXTERNAL, 1-1/8" DIA  | 1           |                    |
| 4#         | 1146            | SCREW, FHSC 5/16-18X1, NYLOC     | 1           |                    |
| 5#         | 2037            | SPACER                           | 1           |                    |
| 6#         | 2229            | KEY, 5/16" X 1-7/16"             | 1           |                    |
| 7#         | 2231            | SHAFT, OUTPUT                    | 1           |                    |
| 8#         | 2250            | GEAR, WORM, COMPOSITE, LH        | 1           |                    |
| 9#         | 2295            | SCREW, HHC 1/4-20 X 7/8"         | 8           |                    |
| 10#        | 10235           | WASHER, LOCK 5/16" EXT. TOOTH    | 4           |                    |
| 11#        | 10909           | KEY, 3/16" SQ X 11/16"           | 1           |                    |
| 12#        | 12875           | COVER, GEAR BOX                  | 1           |                    |
| 13#        | 20396           | O-RING                           | 1           |                    |
| 14#        | 20875           | SCREW, FHSC 5/16-18 X 3/4"       | 4           |                    |
| 15#        | 21033           | SIGHT GLASS                      | 2           |                    |
| 16#        | 21218           | VENT, AIR, GEAR BOX              | 1           |                    |
| 17#        | 24121           | COUPLER, .75" ID                 | 1           |                    |
| 18#        | 24141           | COVER, GEARBOX                   | 1           |                    |
| 19#        | 24156           | FLANGE, INPUT SHAFT              | 2           |                    |
| 20#        | 24158           | WORM GEAR, RH                    | 1           |                    |
| 21#        | 24159           | CASE, WORM GEAR, MACHINED        | 1           |                    |
| 22#        | 24206           | BEARING, CONE & CUP              | 2           |                    |
| 23#        | 24207           | SEAL, OIL, DUAL LIP              | 2           |                    |
| 24#        | 24222           | PLUG, 1/8 NPT, HEX SOCKET HEAD   | 2           |                    |
| 25#        | 24254           | SEAL, OIL DUAL LIP               | 1           |                    |
| 26#        | 24279           | O-RING                           | 2           |                    |
| 27#        | 24286           | CUP BEARING                      | 2           |                    |
| 28#        | 24287           | BEARING, CONE                    | 2           |                    |
| 29         | 20111           | OIL, MOBIL SHC 634/EP 460 22 OZ. | 2           |                    |
| 30         | 60096           | LOCTITE, #572 WHITE              | 1           |                    |
| 31         | 60091           | LOCTITE, #242 BLUE               | 1           |                    |
| 32#        | 24292           | KIT, SHIMS                       | 1           |                    |
| 33         | 24277           | GEARBOX ASSY., L.S.....          | 1           | INCLUDES ITEMS W/# |

# JTNSW GEARBOX ASSY. (RIGHT-SIDE)



## NOTES:

- 1** APPLY LOCTITE BLUE #242.
- 2** FILL GEARBOX WITH OIL TO HALFWAY POINT ON SIGHT GLASS. (APPROXIMATELY 25.36 OZ / 750 ML).
- 3** APPLY LOCTITE WHITE #572.
- APPLY 3/16" BEAD OF PERMATEX ULTRA BLACK RTV AROUND JUNCTION OF FLANGE AND STUB OF 24196. LET CURE 12 HRS. PRIOR TO FILLING GEARBOX WITH OIL.
- 4** TORQUE TO 17LB-FT [23 Nm]
- 5** USE SHIM KIT TO SHIM INPUT AND OUTPUT SHAFTS AS NECESSARY FOR -.001 TO +.001 END PLAY.

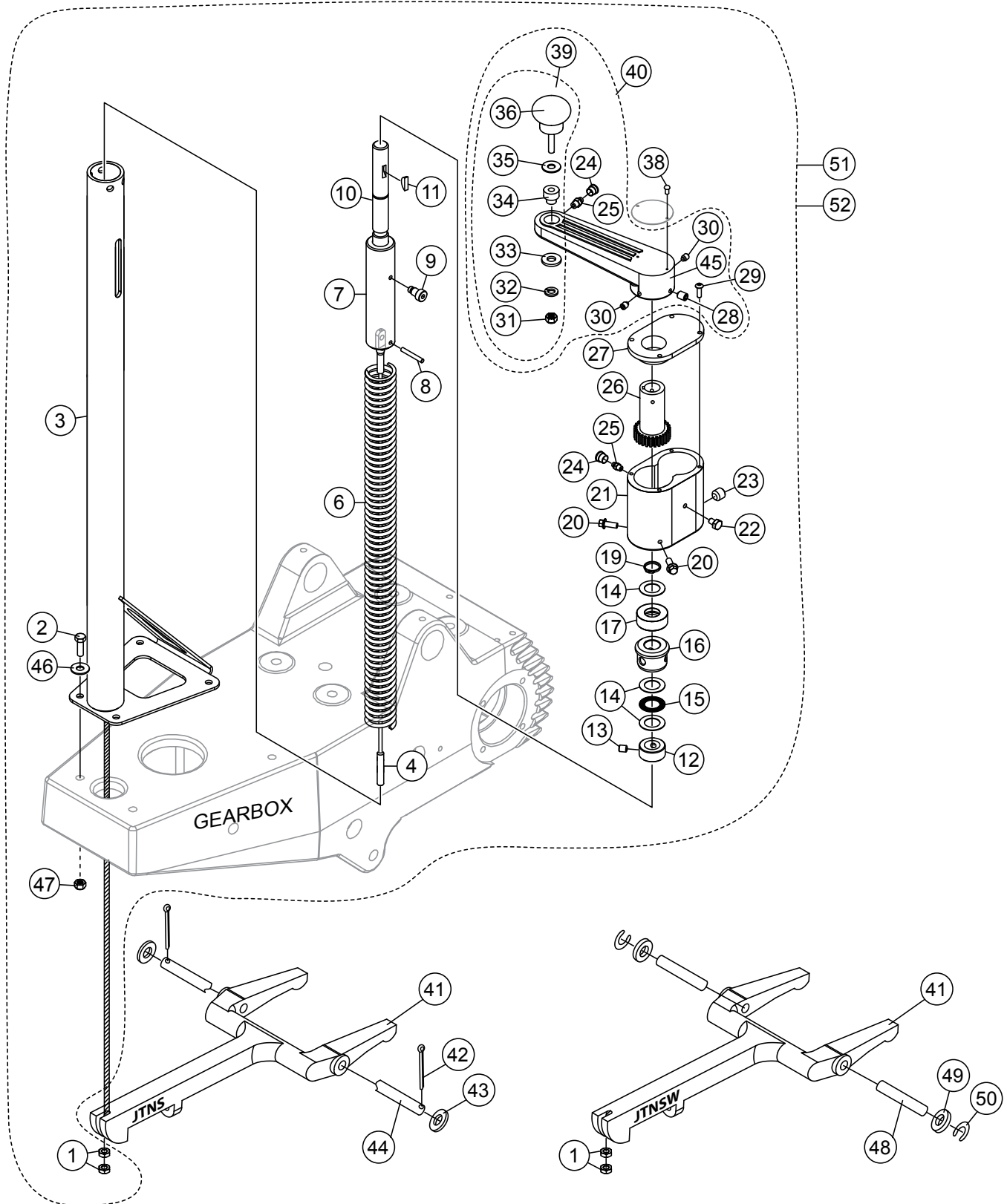


22 OZ. BOTTLE (651 ML)

## JTNSW GEARBOX ASSY. (RIGHT-SIDE)

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|---------------------------------|-------------|--------------------|
| 1#         | 0121 A          | PIPE PLUG 3/8"                  | 2           |                    |
| 2#         | 0181 B          | WASHER, LOCK 1/4" MED           | 8           |                    |
| 3#         | 1138            | SNAP RING, EXTERNAL, 1-1/8" DIA | 1           |                    |
| 4#         | 1146            | SCREW, FHSC 5/16-18X1", NYLOC   | 1           |                    |
| 5#         | 2037            | SPACER                          | 1           |                    |
| 6#         | 2229            | KEY, 5/16" X 1-7/16"            | 1           |                    |
| 7#         | 2231            | SHAFT, OUTPUT                   | 1           |                    |
| 8#         | 2249            | GEAR, WORM, COMPOSITE, RH       | 1           |                    |
| 9#         | 2295            | SCREW, HHC 1/4-20 X 7/8"        | 8           |                    |
| 10#        | 10235           | WASHER, LOCK 5/16" EXT.         | 4           |                    |
| 11#        | 10909           | KEY, 3/16" SQ X 11/16"          | 1           |                    |
| 12#        | 12875           | COVER, GEAR BOX                 | 1           |                    |
| 13#        | 20396           | O-RING                          | 1           |                    |
| 14#        | 20875           | SCREW, FHSC 5/16-18 X 3/4"      | 4           |                    |
| 15#        | 21033           | SIGHT GLASS                     | 2           |                    |
| 16#        | 21218           | VENT, AIR, GEAR BOX             | 1           |                    |
| 17#        | 24121           | COUPLER, .75" ID                | 1           |                    |
| 18#        | 24141           | COVER, GEARBOX                  | 1           |                    |
| 19#        | 24156           | FLANGE, INPUT SHAFT             | 2           |                    |
| 20#        | 24157           | WORM GEAR, RH                   | 1           |                    |
| 21#        | 24159           | CASE, WORM GEAR, MACHINED       | 1           |                    |
| 22#        | 24206           | BEARING, CONE & CUP             | 2           |                    |
| 23#        | 24207           | SEAL, OIL, DUAL LIP             | 2           |                    |
| 24#        | 24222           | PLUG, 1/8 NPT, HEX SOCKET HEAD  | 2           |                    |
| 25#        | 24254           | SEAL, OIL DUAL LIP              | 1           |                    |
| 26#        | 24279           | O-RING                          | 2           |                    |
| 27#        | 24286           | CUP BEARING                     | 2           |                    |
| 28#        | 24287           | BEARING, CONE                   | 2           |                    |
| 29         | 20111           | OIL, MOBIL SHC 634/EP 460 22OZ. | 2           |                    |
| 30         | 60096           | LOCTITE, #572 WHITE             | 1           |                    |
| 31         | 60091           | LOCTITE, #242 BLUE              | 1           |                    |
| 32#        | 24292           | KIT, SHIMS                      | 1           |                    |
| 33         | 24278           | GEARBOX ASSY., RS.....          | 1.....      | INCLUDES ITEMS W/# |

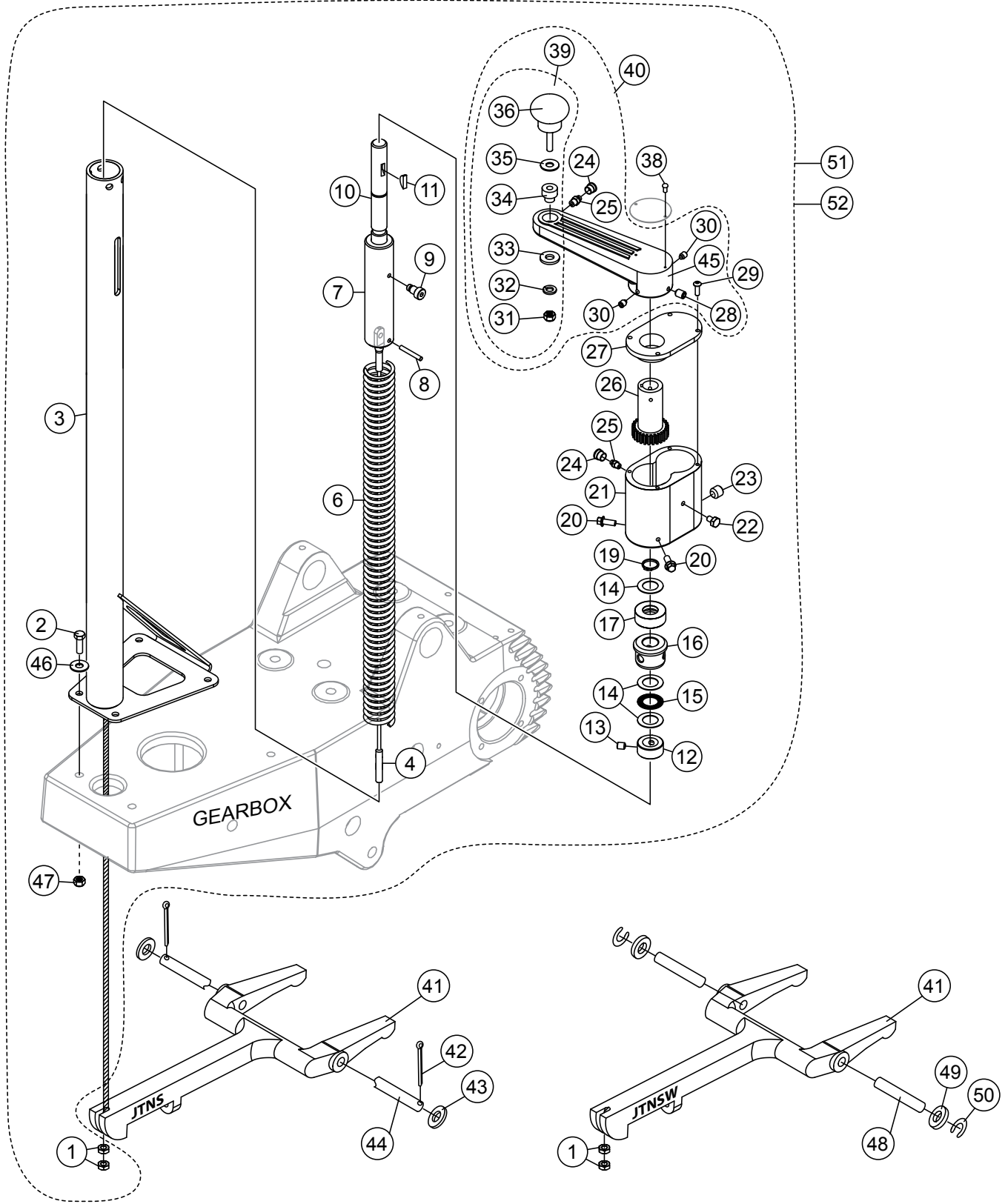
# PITCH CONTROL TOWER ASSY.



## PITCH CONTROL TOWER ASSY.

| <b>NO.</b> | <b>PART NO.</b> | <b>PART NAME</b>                                  | <b>QTY.</b> | <b>REMARKS</b> |
|------------|-----------------|---------------------------------------------------|-------------|----------------|
| 1\$#       | 1116            | NUT, BRASS JAM 5/16-18                            | 2           |                |
| 2\$#       | 36720           | SCREW, HHF 5/16-18 X 3/4" GRD5                    | 4           |                |
| 3\$#       | 23582           | TOWER, PITCH CONTROL .....                        | 1           | RIGHT SIDE     |
| 3\$#       | 23581           | TOWER, PITCH CONTROL .....                        | 1           | LEFT SIDE      |
| 4\$#       | 2008            | CABLE ASSY, 25.63"                                | 1           |                |
| 6\$#       | 2156            | SPRING, HANDLE BALANCE COIL                       | 1           |                |
| 7\$#       | 10721           | SLIDE BLOCK, PITCH CONTROL .....                  | 1           | RIGHT SIDE     |
| 7\$#       | 10722           | SLIDE BLOCK, PITCH CONTROL .....                  | 1           | LEFT SIDE      |
| 8\$#       | 10723           | PIN, SPIRAL 3/16 X 1-3/8"                         | 1           |                |
| 9\$#       | 24112           | PIN, ADJUSTMENT                                   | 1           |                |
| 10\$#      | 24113           | SHAFT, PITCH CONTROL .....                        | 1           | RIGHT SIDE     |
| 10\$#      | 24114           | SHAFT, PITCH CONTROL .....                        | 1           | LEFT SIDE      |
| 11\$#      | 0627            | KEY, 3/16" X 1-1/4"                               | 1           |                |
| 12\$#      | 24109           | COLLAR, SET                                       | 1           |                |
| 13\$#      | 24115           | SCREW, SET, 5/16-18 X 1/4"                        | 2           |                |
| 14\$#      | 2170            | BEARING, RACE                                     | 2           |                |
| 15\$#      | 2169            | BEARING, THRUST                                   | 1           |                |
| 16\$#      | 1612            | BEARING, ALUM., PITCH CONTROL                     | 1           |                |
| 17\$#      | 0281            | BEARING, THRUST                                   | 1           |                |
| 19\$#      | 10512           | RING, SNAP                                        | 1           |                |
| 20\$#      | 22021           | SCREW, HHFS M8-1.25 X 20 MM, GRD10.9, .....       | 2           | RIGHT SIDE     |
| 21\$#      | 24107           | HOUSING, PITCH CONTROL                            | 1           |                |
| 22\$#      | 22021           | SCREW, HHFS M8-1.25 X 20 MM, GRD10.9, PATCH ..... | 1           | LEFT SIDE      |
| 23\$#      | 17109           | SCREW, SHSCU M8-1.25 X 8MM                        | 1           |                |
| 24%\$#     | 2621            | FITTING, GREASE ZERK STR.                         | 2           |                |
| 25%\$#     | 24227           | CAP, GREASE ZERK                                  | 2           |                |
| 26\$#      | 24105           | GEAR, DRIVE PITCH CONTROL                         | 1           |                |
| 27\$#      | 2649            | COVER, PITCH CONTROL HOUSING                      | 1           |                |
| 28%\$#     | 0185            | SCREW, SHS 3/8-16 X 3/8                           | 1           |                |
| 29\$#      | 9191            | SCREW, BHSC M5-0.8 X 16MM                         | 4           |                |

# PITCH CONTROL TOWER ASSY.(CONTINUED)



## PITCH CONTROL TOWER ASSY.(CONTINUED)

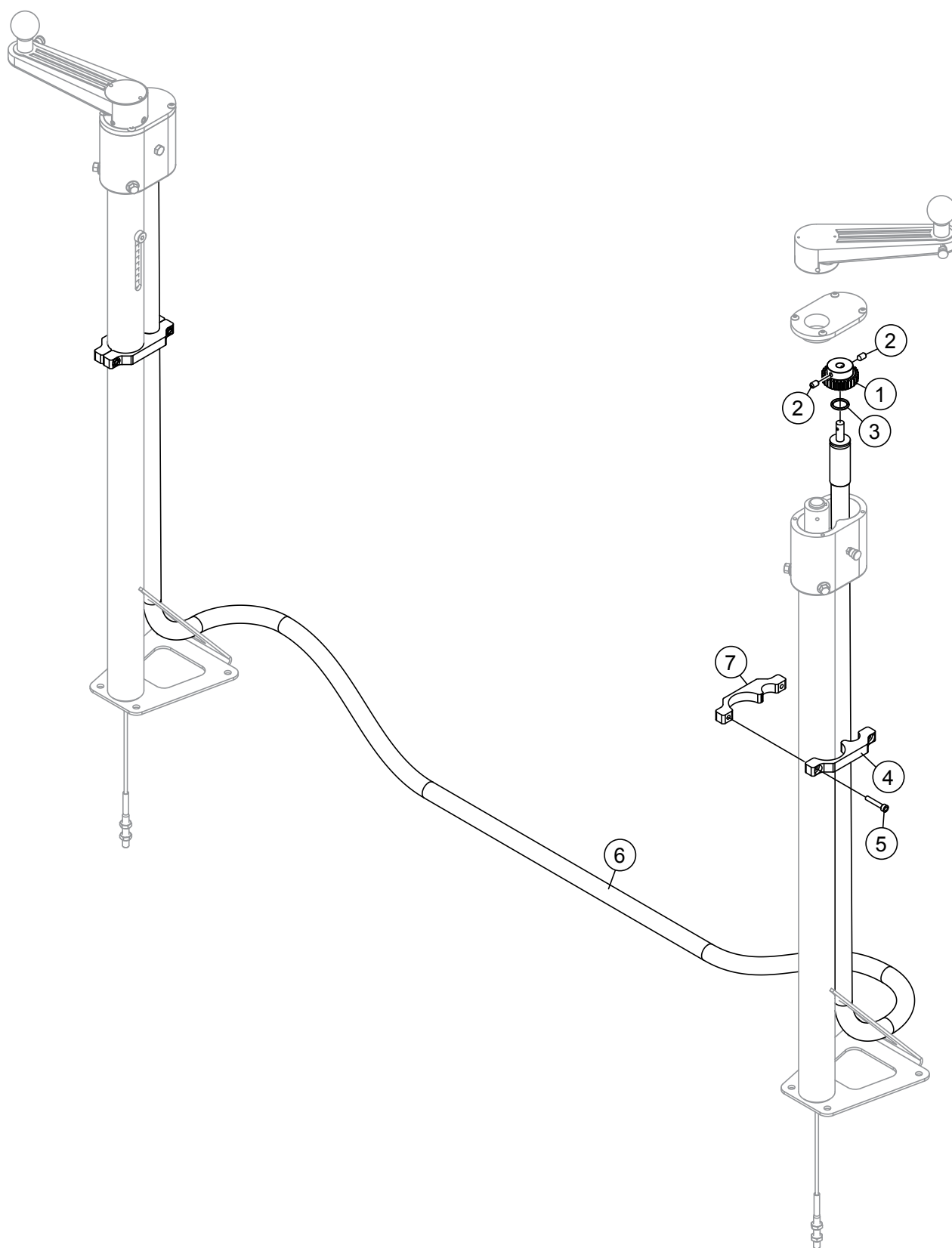
| NO.      | PART NO. | PART NAME                                | QTY. | REMARKS             |
|----------|----------|------------------------------------------|------|---------------------|
| 30%\$#   | 24091    | SCREW, SHS 1/4-20 X 5/16"                | 2    |                     |
| 31 @%\$# | 24093    | HEX NUT, M8 X 1-1/4" NYLOC               | 1    |                     |
| 32 @%\$# | 24096    | WASHER, M8 SPLIT LOCK                    | 1    |                     |
| 33 @%\$# | 13351    | WASHER, FLAT 3/8 EXT THICK HIGH STRENGTH | 1    |                     |
| 34 @%\$# | 24094    | SPACER                                   | 1    |                     |
| 35 @%\$# | 10136    | WASHER, FLAT SAE 3/8"                    | 1    |                     |
| 36 @%\$# | 24095    | KNOB W/ BOLT                             | 1    |                     |
| 38\$#    | 4014     | SCREW, #2, 3/16 P-K TYPE U-DRIVE         | 2    |                     |
| 39%\$#   | 24092    | KNOB, KIT .....                          | 1    | INCLUDES ITEMS W/@  |
| 40\$#    | 24090    | LEVER ASSY., TROWEL ADJ. ....            | 1    | INCLUDES ITEMS W/%  |
| 41       | 1150     | YOKE ARM .....                           | 2    | JTNS/JTNSW          |
| 42       | 24193    | PIN, COTTER 2.5MM X 30MM .....           | 4    | JTNS                |
| 43       | 10136    | WASHER, FLAT SAE 7/16" .....             | 4    | JTNS                |
| 44       | 1151     | YOKE ARM PIN .....                       | 2    | JTNS                |
| 45%\$#   | 1615     | LEVER, TROWEL ADJ.                       | 1    |                     |
| 46\$#    | 0300B    | WASHER, FLAT 5/16"                       | 4    |                     |
| 47\$#    | 5283     | NUT, NYLOCK 5/16"                        | 4    |                     |
| 48       | 20801    | PIN, YOKE ARM.....                       | 1    | JTNSW               |
| 49       | 22292    | SPACER.....                              | 4    | JTNSW               |
| 50       | 20802    | RING SNAP .....                          | 4    | JTNSW               |
| 51       | 24108    | TOWER ASSY. PITCH CONTROL, RH .....      | 1    | INCLUDES ITEMS W/\$ |
| 52       | 24098    | TOWER ASSY. PITCH CONTROL, LH .....      | 1    | INCLUDES ITEMS W/#  |

### NOTICE

Indicated quantities are for one pitch control drive assembly. If ordering for two pitch control drives, double the quantity.

## PITCH CONTROL DRIVE CABLE ASSY.

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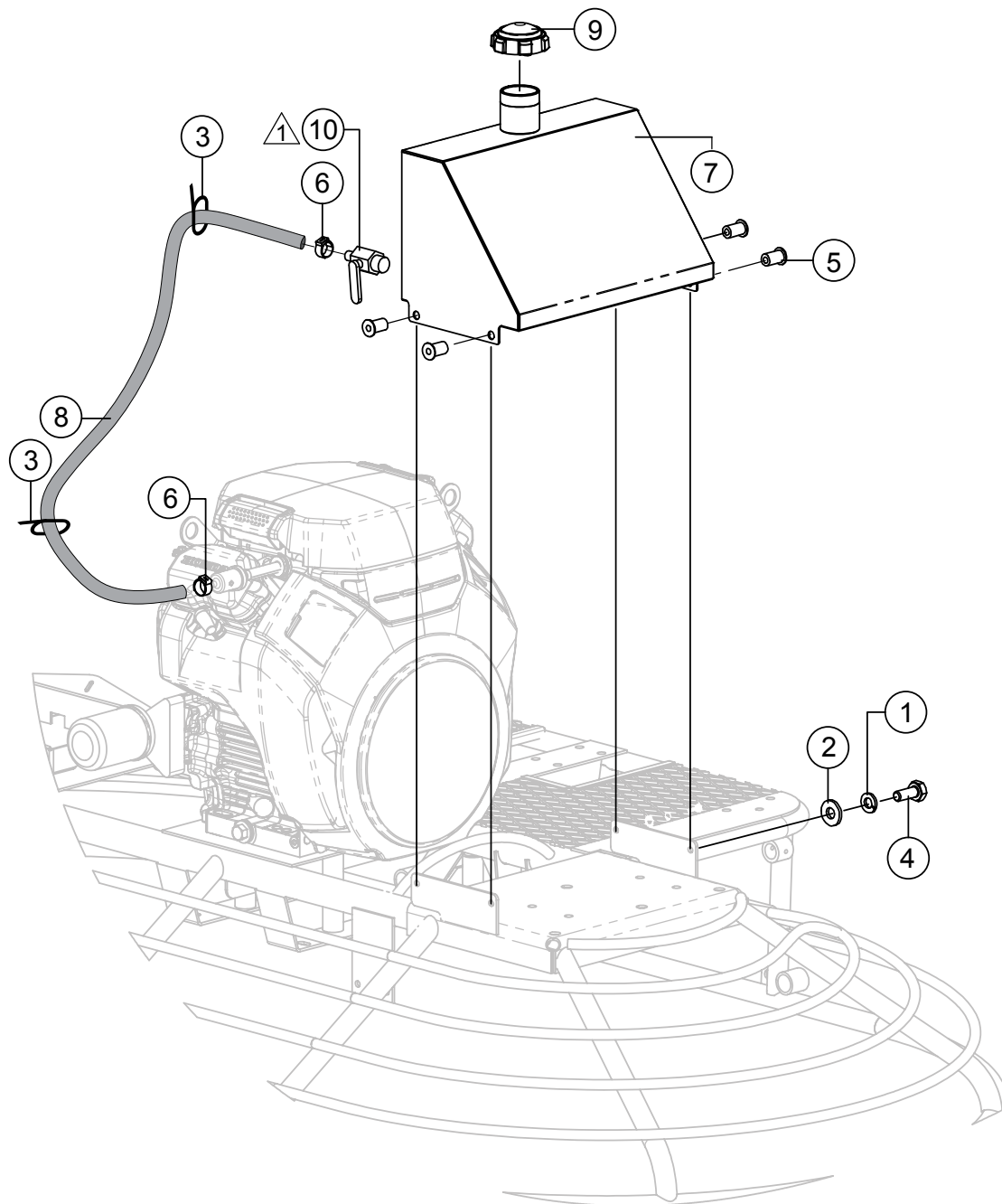


## **PITCH CONTROL DRIVE CABLE ASSY.**

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| <b><u>NO.</u></b> | <b><u>PART NO.</u></b> | <b><u>PART NAME</u></b>      | <b><u>QTY.</u></b> | <b><u>REMARKS</u></b> |
|-------------------|------------------------|------------------------------|--------------------|-----------------------|
| 1                 | 23036                  | GEAR, PITCH CONTROL          | 2                  |                       |
| 2                 | 24180                  | SCREW, SHS M5-0.8 X 10MM     | 4                  |                       |
| 3                 | 9196                   | O-RING                       | 2                  |                       |
| 4                 | 24129                  | CLAMP, PITCH CABLE           | 2                  |                       |
| 5                 | 37325                  | SCREW, SHC M5-0.8 X 30MM     | 4                  |                       |
| 6                 | 24258                  | DRIVE CABLE, PITCH CONTROL   | 1                  |                       |
| 7                 | 24130                  | CLAMP, PITCH CABLE, THREADED | 2                  |                       |

## FUEL TANK ASSY.

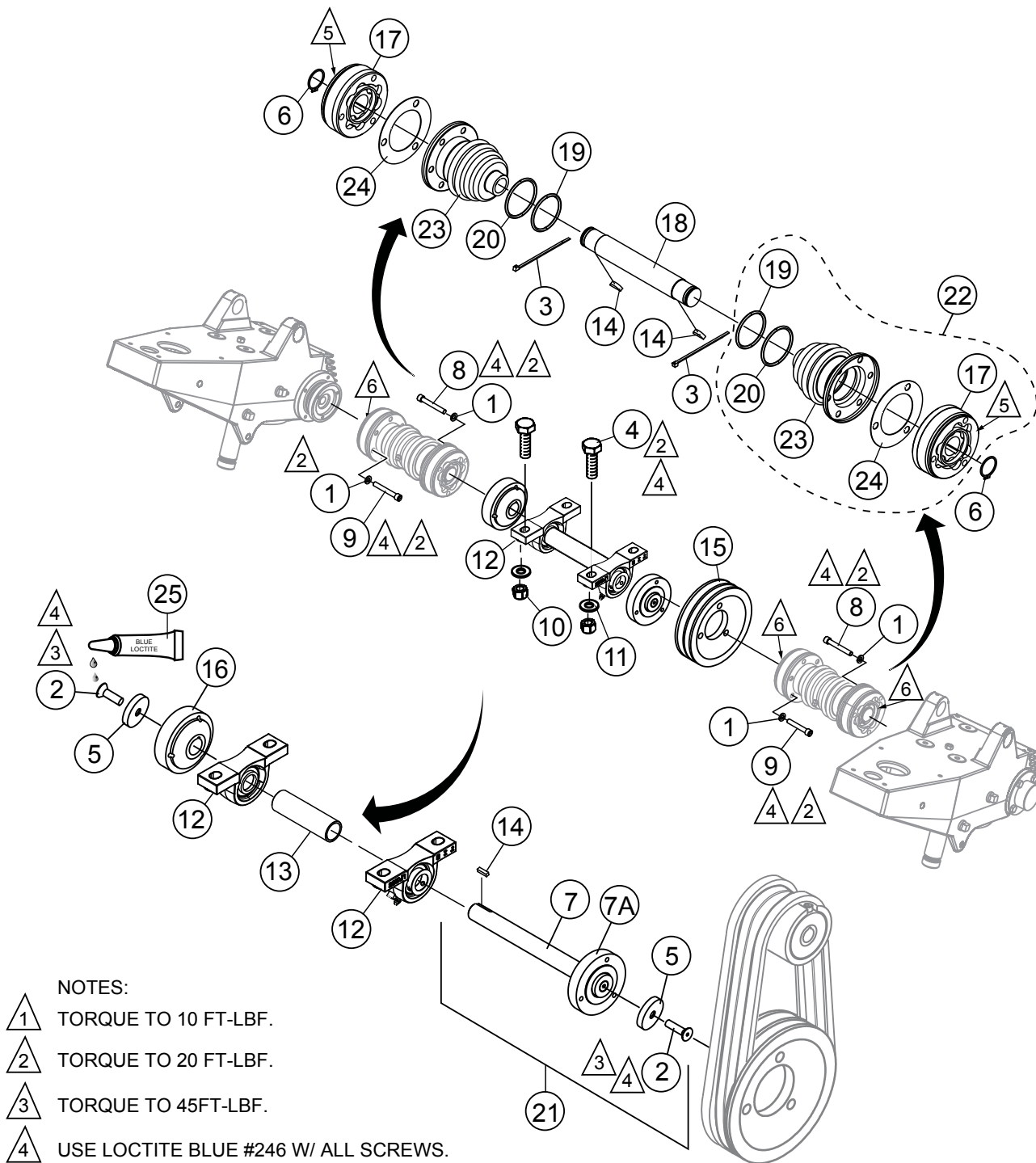


NOTES:  
1 USE FUEL RATED THREAD SEALANT ON  
PETCOCK THREADS.

## **FUEL TANK ASSY.**

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| <b><u>NO.</u></b> | <b><u>PART NO.</u></b> | <b><u>PART NAME</u></b>        | <b><u>QTY.</u></b> | <b><u>REMARKS</u></b> |
|-------------------|------------------------|--------------------------------|--------------------|-----------------------|
| 1                 | 0181 B                 | WASHER, LOCK 1/4" MED          | 4                  |                       |
| 2                 | 0948                   | WASHER, FLAT SAE 1/4"          | 4                  |                       |
| 3                 | 1662                   | TIE, CABLE TY-RAP BLACK        | 2                  |                       |
| 4                 | 4514                   | SCREW, HHC 1/4-20 X 5/8" GRD 5 | 4                  |                       |
| 5                 | 19266                  | NUT, BLIND 1/4-20              | 4                  |                       |
| 6                 | 22067                  | CLAMP, STEPLESS EAR            | 2                  |                       |
| 7                 | 24173                  | FUEL TANK                      | 1                  |                       |
| 8                 | 24213                  | FUEL HOSE, 8MM X 14MM X 450MM  | 1                  |                       |
| 9                 | 24224                  | CAP, RED                       | 1                  |                       |
| 10                | 24257                  | VALVE, M14 - 8MM BARB          | 1                  |                       |



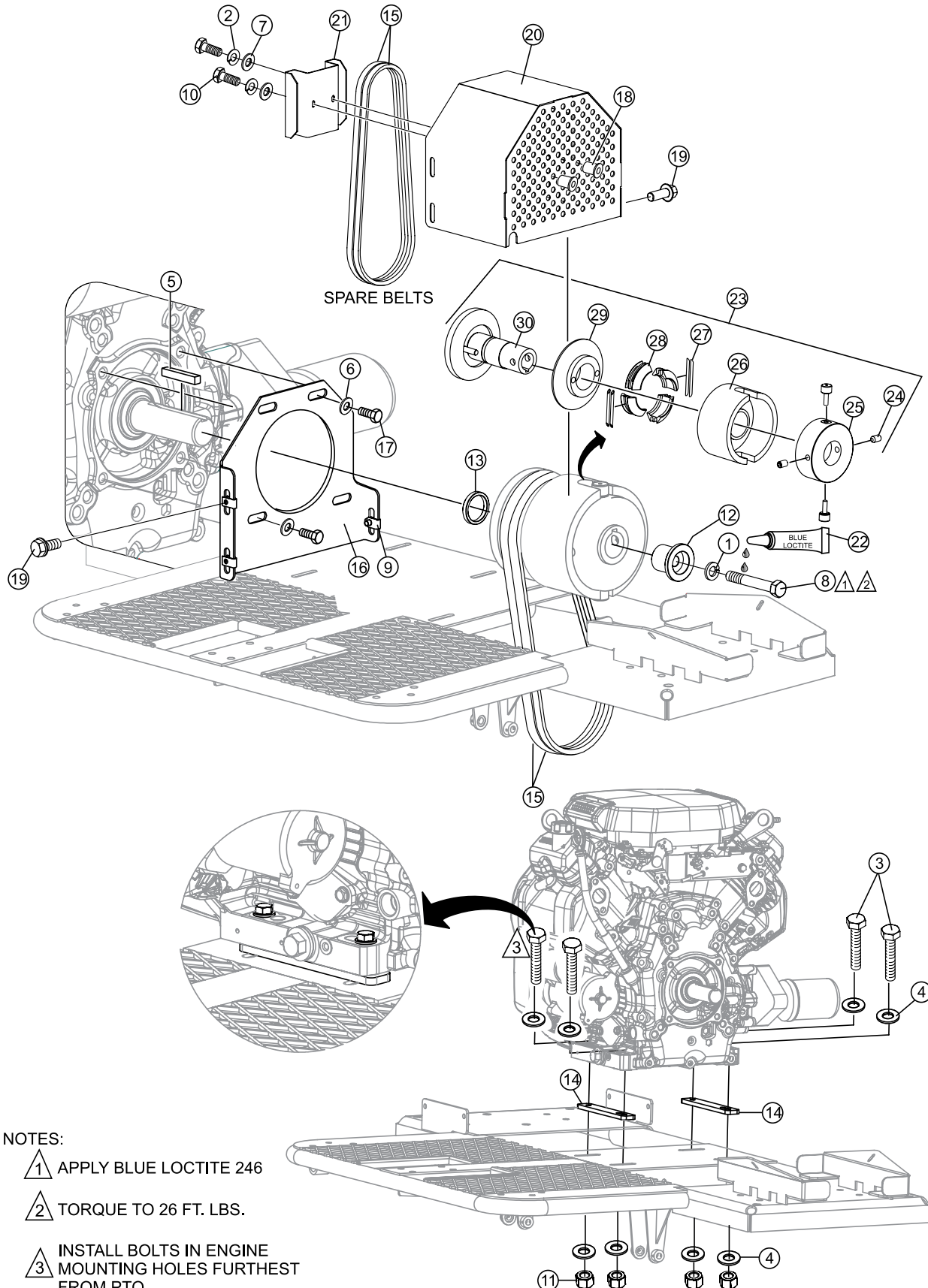
## NOTES:

- △1 TORQUE TO 10 FT-LBF.
- △2 TORQUE TO 20 FT-LBF.
- △3 TORQUE TO 45FT-LBF.
- △4 USE LOCTITE BLUE #246 W/ ALL SCREWS.
- △5 APPLY LIGHT COATING RTV SILICONE.
- △6 APPLY NLG1#2 GREASE TO C.V. JOINT CAVITY.

**DRIVE ASSY.**

| <b><u>NO.</u></b> | <b><u>PART NO.</u></b> | <b><u>PART NAME</u></b>                 | <b><u>QTY.</u></b> | <b><u>REMARKS</u></b> |
|-------------------|------------------------|-----------------------------------------|--------------------|-----------------------|
| 1                 | 0161 C                 | WASHER, LOCK 5/16" MED                  | 12                 |                       |
| 2\$               | 1146                   | SCREW, FHSC 5/16-18 X 1", NYLOC         | 1                  |                       |
| 3                 | 1662                   | TIE, CABLE TY-RAP BLACK                 | 4                  |                       |
| 4                 | 1665                   | SCREW, HHC 3/8-16 X 2"                  | 4                  |                       |
| 5\$               | 2037                   | SPACER                                  | 1                  |                       |
| 6                 | 2090                   | SNAP RING, EXTERNAL, 1-1/16" DIA        | 4                  |                       |
| 7\$               | 10903                  | SHAFT DRIVE BEARING                     | 1                  |                       |
| 8                 | 2186                   | SCREW, SHC 5/16-18 X2-1/4 PLTD          | 9                  |                       |
| 9                 | 2187                   | SCREW, SHC 5/16-18 X2-1/2 GRD5 PLTD     | 3                  |                       |
| 10                | 10133                  | NUT, NYLOC 3/8-16                       | 4                  |                       |
| 11                | 10136                  | WASHER, FLAT SAE 3/8"                   | 4                  |                       |
| 12                | 10337                  | BEARING, P-BLOCK                        | 2                  |                       |
| 13                | 10514                  | SPACER                                  | 1                  |                       |
| 14\$              | 10909                  | KEY, 3/16" SQ X 11/16"                  | 5                  |                       |
| 15                | 11047                  | PULLEY, 5-41/64" OD, 138 RPM            | 1                  |                       |
| 16                | 24124                  | COUPLER, C.V. SHAFT DRIVE RIDER         | 1                  |                       |
| 17#               | 24253                  | JOINT, C.V.                             | 4                  |                       |
| 18                | 24138                  | SHAFT, C.V. JOINT 8.13L                 | 2                  |                       |
| 19#               | 22220                  | O-RING                                  | 2                  |                       |
| 20#               | 22219                  | O-RING                                  | 2                  |                       |
| 21                | 2129                   | SHAFT ASSY. PILLOW BLOCK BEARINGS ..... | 1                  | INCLUDES ITEMS W/\$   |
| 22%               | 24127                  | JOINT, C.V. W/ BOOT AND O-RINGS .....   | 1                  | INCLUDES ITEMS W/#    |
| 23#               | 24255                  | BOOT ASM., C.V. JOINT                   | 1                  |                       |
| 24#               | 24235                  | GASKET, C.V. JOINT BOOT                 | 1                  |                       |
| 25                | 60097                  | LOCTITE, #246 BLUE                      | 1                  |                       |

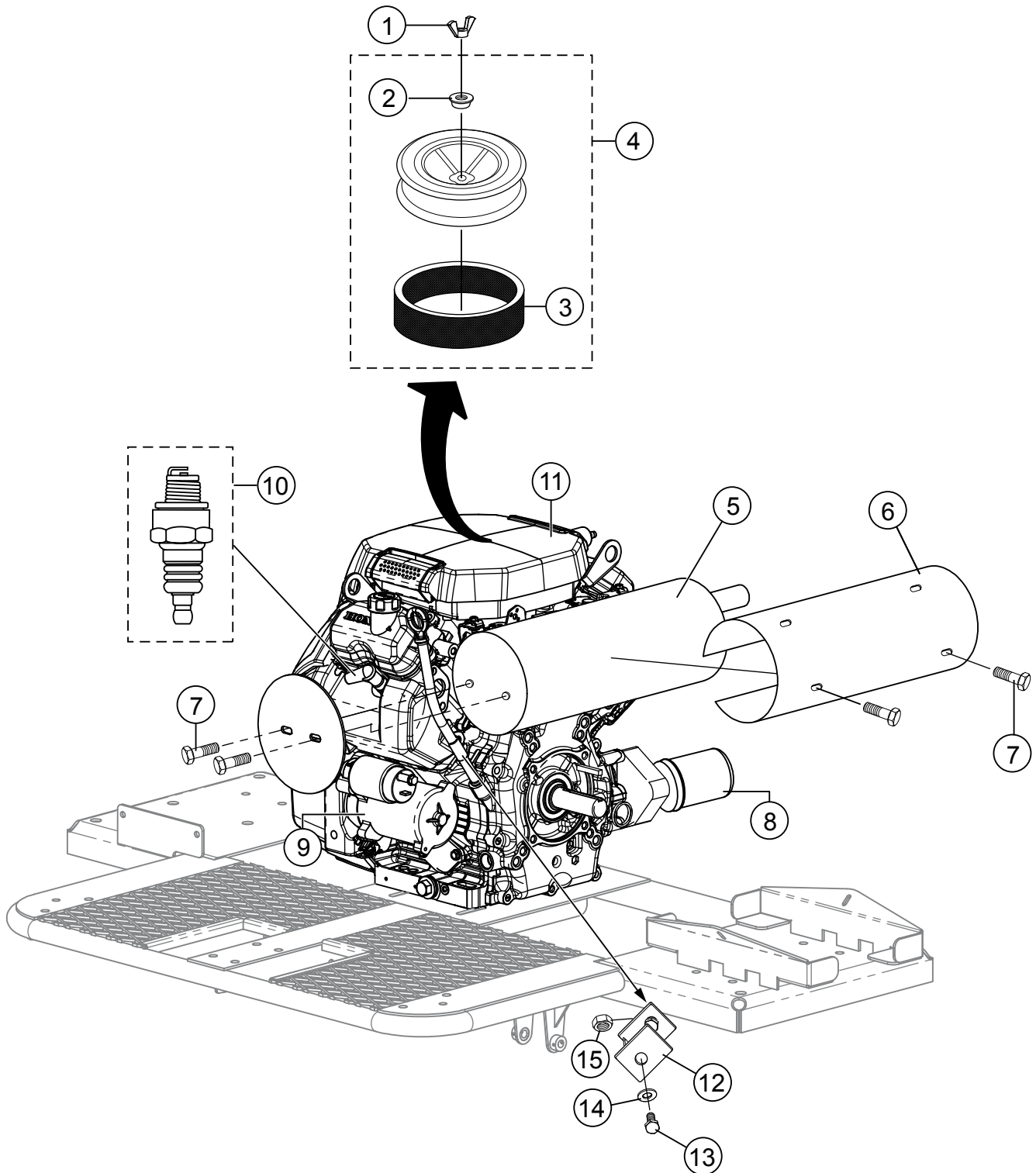
# ENGINE MOUNTING AND CLUTCH ASSY.



## ENGINE MOUNTING AND CLUTCH ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                             | <u>QTY.</u> | <u>REMARKS</u>      |
|------------|-----------------|----------------------------------------------|-------------|---------------------|
| 1          | 0166 A          | WASHER, LOCK, 3/8" MED.                      | 1           |                     |
| 2          | 0181 B          | WASHER, LOCK 1/4" MED                        | 2           |                     |
| 3          | 0300 A          | SCREW, HHC 5/16-18" X 2"                     | 4           |                     |
| 4          | 0300 B          | WASHER, FLAT SAE 5/16"                       | 8           |                     |
| 5          | 0310            | KEY, 1/4" SQ X 1-1/2"                        | 1           |                     |
| 6          | 0448            | WASHER, FLAT SAE 7/16"                       | 4           |                     |
| 7          | 0948            | WASHER, FLAT SAE 1/4"                        | 2           |                     |
| 8          | 2667            | SCREW, HHC 3/8-24 X 2-1/2"                   | 1           |                     |
| 9          | 24174           | NUT, "U" TYPE, M8 X 1.25                     | 3           |                     |
| 10         | 4514            | SCREW, HHC 1/4-20 X 5/8" GRD 5               | 2           |                     |
| 11         | 5283            | NUT, NYLOC 5/16-18"                          | 4           |                     |
| 12         | 9123            | DRIVE PULLEY RETAINER                        | 1           |                     |
| 13         | 10948           | SPACER                                       | 1           |                     |
| 14         | 10984           | SPACER, ENGINE MOUNT                         | 2           |                     |
| 15         | 11064           | BELT, A36, GATES HP-II                       | 4           |                     |
| 16         | 24172           | BACK PANEL, BELT GUARD                       | 1           |                     |
| 17         | 24252           | SCREW, HHC 7/16-14 X 0.75"                   | 4           |                     |
| 18         | 19266           | NUT, BLIND 1/4-20 X .027-.165                | 2           |                     |
| 19         | 22021           | SCREW, HEX FLANGE M8-1.25 x 20MM GRD10       | 3           |                     |
| 20         | 24171           | BELT GUARDT                                  | 1           |                     |
| 21         | 24106           | BELT HOLDER, SPARE BELT                      | 1           |                     |
| 22         | 60097           | LOCTITE, #246 BLUE                           | 1           |                     |
| 23         | 24143           | CLUTCH, 35°, 4" POS-GRIP ASSY, 1" BORE ..... | 1           | INCLUDES ITEMS W/\$ |
| 24\$       | 1893            | SCREW, SHS 3/8-24 X 5/8", ZINC PLATED        | 2           |                     |
| 25\$       | 24155           | CLUTCH PLATE ASSY. 35° W/ BEARINGS           | 1           |                     |
| 26\$       | 2504            | BOWL, CLUTCH 35°                             | 1           |                     |
| 27\$       | 2450            | WEIGHT SPRING, 4" CLUTCH                     | 2           |                     |
| 28\$       | 2451            | WEIGHT, 4" POSI GRIP CLUTCH                  | 4           |                     |
| 29\$       | 1886            | PULLEY, CLUTCH CENTER SLIDER, 4"             | 1           |                     |
| 30\$       | 1882            | STEM CLUTCH ASSEMBLY                         | 1           |                     |

## ENGINE COMPONENTS

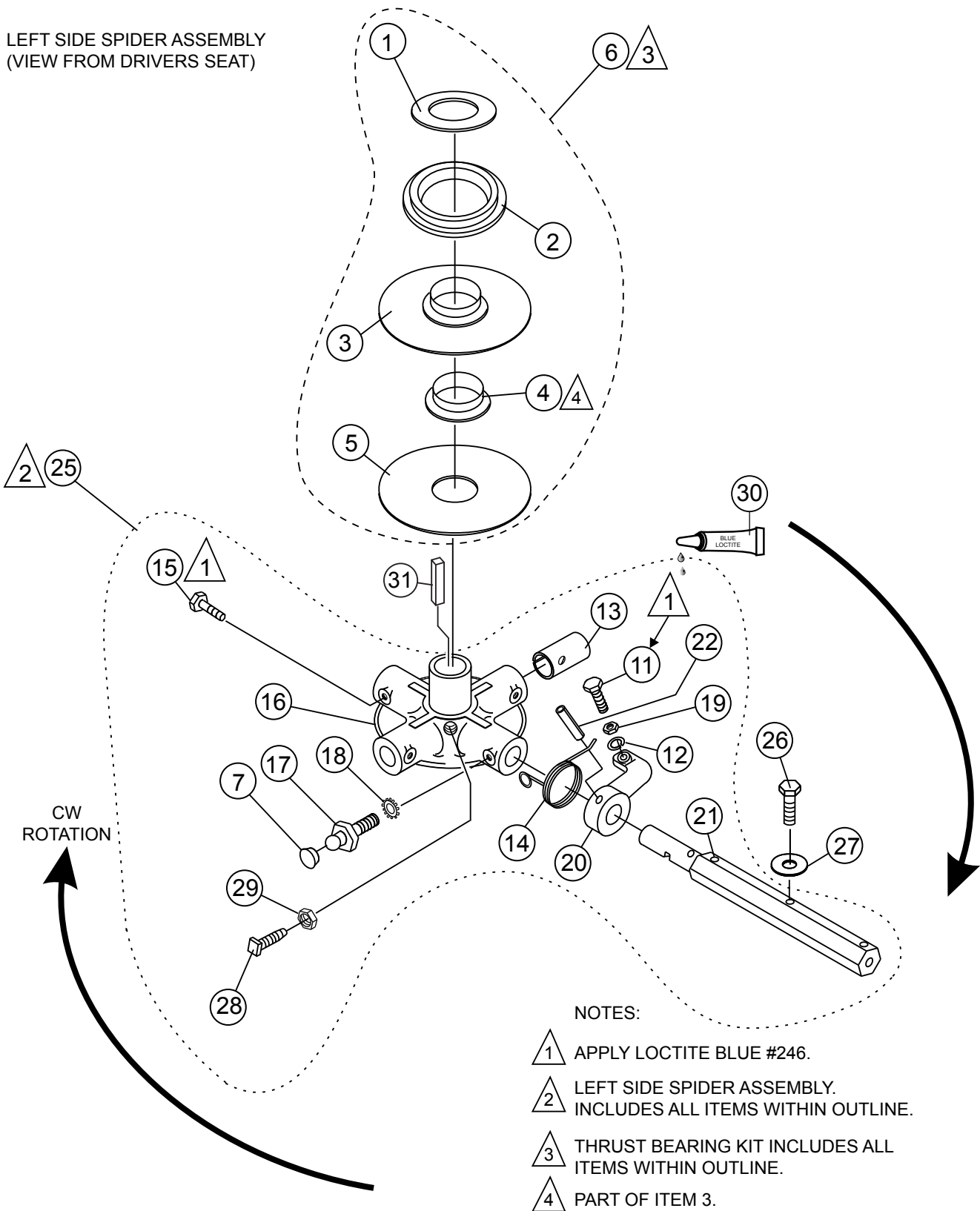


## ENGINE COMPONENTS

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|---------------------------------|-------------|--------------------|
| 1          | 90325-044-000   | NUT, TOOL BOX SETTING           | 1           |                    |
| 2#         | 17232-Z2E-000   | GROMMET, AIR CLEANER            | 1           |                    |
| 3#         | 17218-Z6L-000   | AIR FILTER, OUTER               | 1           |                    |
| 4          | 17210-Z6L-010   | ELEMENT COMP., AIR CLEANER..... | 1.....      | INCLUDES ITEMS W/# |
| 5          | 24142           | MUFFLER                         | 1           |                    |
| 6          | 24145           | COVER, MUFFLER                  | 1           |                    |
| 7          | 24147           | SCREW, HHFS, M8-1.25 X 12MM     | 8           |                    |
| 8          | 15410-Z6L-800   | CARTRIDGE, OIL FILTER           | 1           |                    |
| 9          | 31200-Z6L-003   | STARTER, MOTOR ASSY             | 1           |                    |
| 10         | 98079-5587G     | SPARK PLUG (ZFR5F)              | 2           |                    |
| 11         | 22618           | ENGINE, HONDA GX630RQZB2        | 1           |                    |
| 12         | 23772           | BRACKET, DIP STICK MOUNTING     | 1           |                    |
| 13         | 2295            | SCREW                           | 1           |                    |
| 14         | 0948            | WASHER, FLAT SAE 1/4            | 1           |                    |
| 15         | 10024           | NUT, NYLOC 1/4-20               | 1           |                    |

# SPIDER ASSY. (LEFT)

LEFT SIDE SPIDER ASSEMBLY  
(VIEW FROM DRIVERS SEAT)

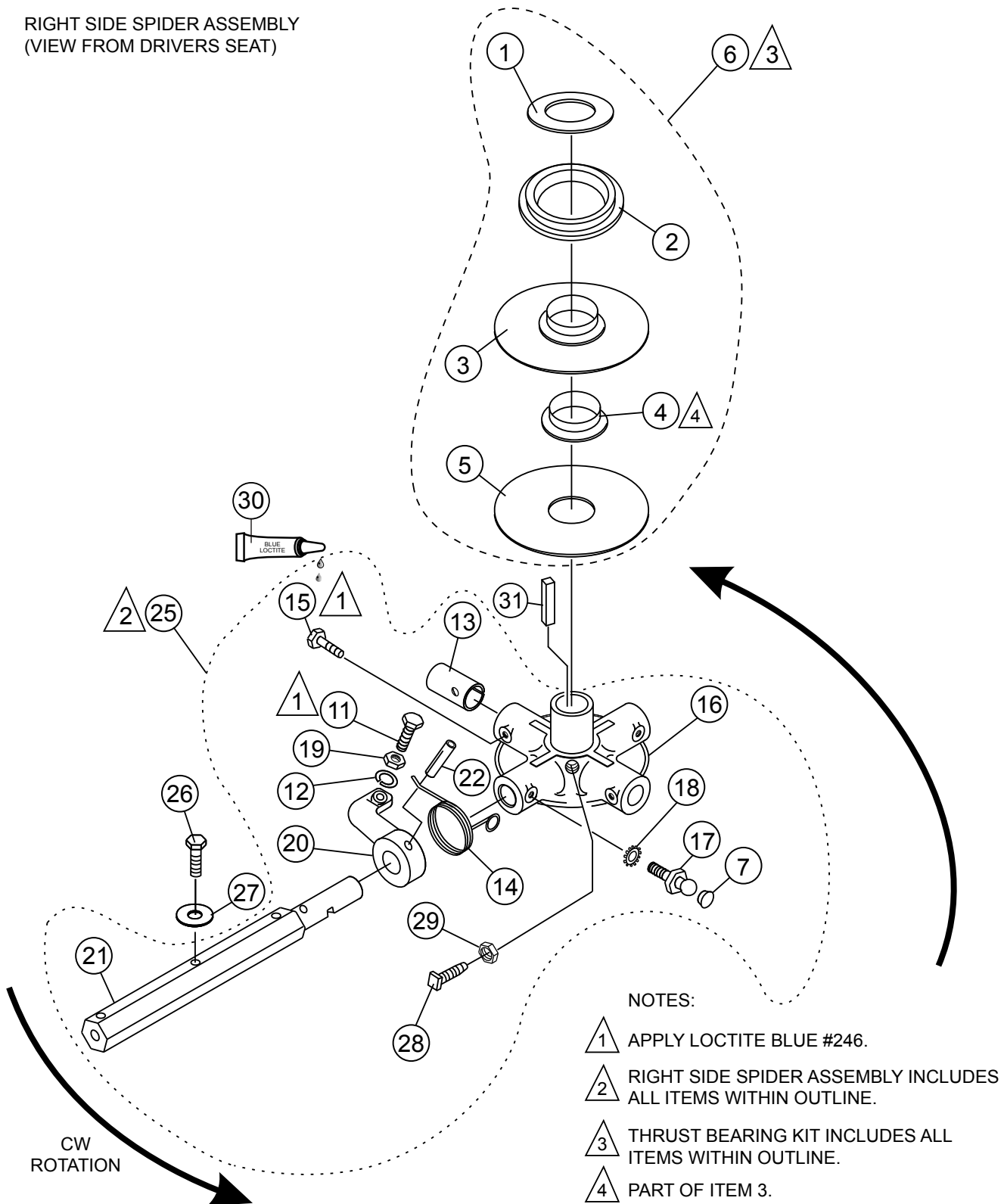


**SPIDER ASSY. (LEFT)**

| <b>NO</b> | <b>PART NO</b> | <b>PART NAME</b>                        | <b>QTY.</b> | <b>REMARKS</b>      |
|-----------|----------------|-----------------------------------------|-------------|---------------------|
| 1\$       | 12208          | WEAR RING                               | 1           |                     |
| 2\$       | 12778          | FLANGE BEARING                          | 1           |                     |
| 3\$       | 10793          | THRUST COLLAR W/ BUSHING .....          | 1.....      | INCLUDES ITEM W/%   |
| 4\$%      | 1471           | BUSHING                                 | 1           |                     |
| 5\$       | 1154 A         | LOWER WEAR PLATE                        | 1           |                     |
| 6         | 10968          | THRUST BEARING KIT .....                | 1.....      | INCLUDES ITEMS W/\$ |
| 7#        | 24227          | CAP, GREASE ZERK                        | 4           |                     |
| 11#       | 0164 B         | SCREW, HHC 3/8-16 X 1-1/4", ROUNDED.    | 4           |                     |
| 12#       | 0166 A         | WASHER, LOCK, 3/8" MED.                 | 4           |                     |
| 13#       | 1157 A         | BUSHING, TROWEL SMALL ARM               | 4           |                     |
| 14#       | 1316           | SPRING, LS ARM RETURN                   | 4           |                     |
| 15#       | 11602          | SCREW, HHC 3/8-16 X 3/8"                | 4           |                     |
| 16#       | 11876-G        | SPIDER PLATE, 1-1/8" SHAFT,4-BLD, GREEN | 1           |                     |
| 17#       | 1322           | SCREW, RETAINING, ZERK                  | 4           |                     |
| 18#       | 1875           | WASHER, INT. SHKP, 3/8"                 | 4           |                     |
| 19#       | 1876           | NUT, HEX JAM 3/8-16                     | 4           |                     |
| 20#       | 1163-G         | LEVER, TROWEL RH, GREEN                 | 4           |                     |
| 21#       | 2826-G         | ARM, TROWEL, 9-3/4", GREEN              | 4           |                     |
| 22#       | 4164           | PIN, ROLL 5/16" X 2"                    | 4           |                     |
| 25        | 24268          | SPIDER ASSY, 4BLD, LS.....              | 1.....      | INCLUDES ITEMS W/#  |
| 26        | 0105           | SCREW, HHC 5/16-18 X 1-1/2"             | 4           |                     |
| 27        | 0161 C         | LOCK WASHER 5/16"                       | 8           |                     |
| 28#       | 12097          | SCREW, SQHS 3/8-16x1-3/4" GRD 8         | 1           |                     |
| 29#       | 1456           | NUT, HEX 3/8-16                         | 1           |                     |
| 30        | 60091          | LOCTITE, #242 BLUE                      | 1           |                     |
| 31        | 1141           | KEY, 5/16" SQ X 2-5/8"                  | 1           |                     |

# SPIDER ASSY. (RIGHT)

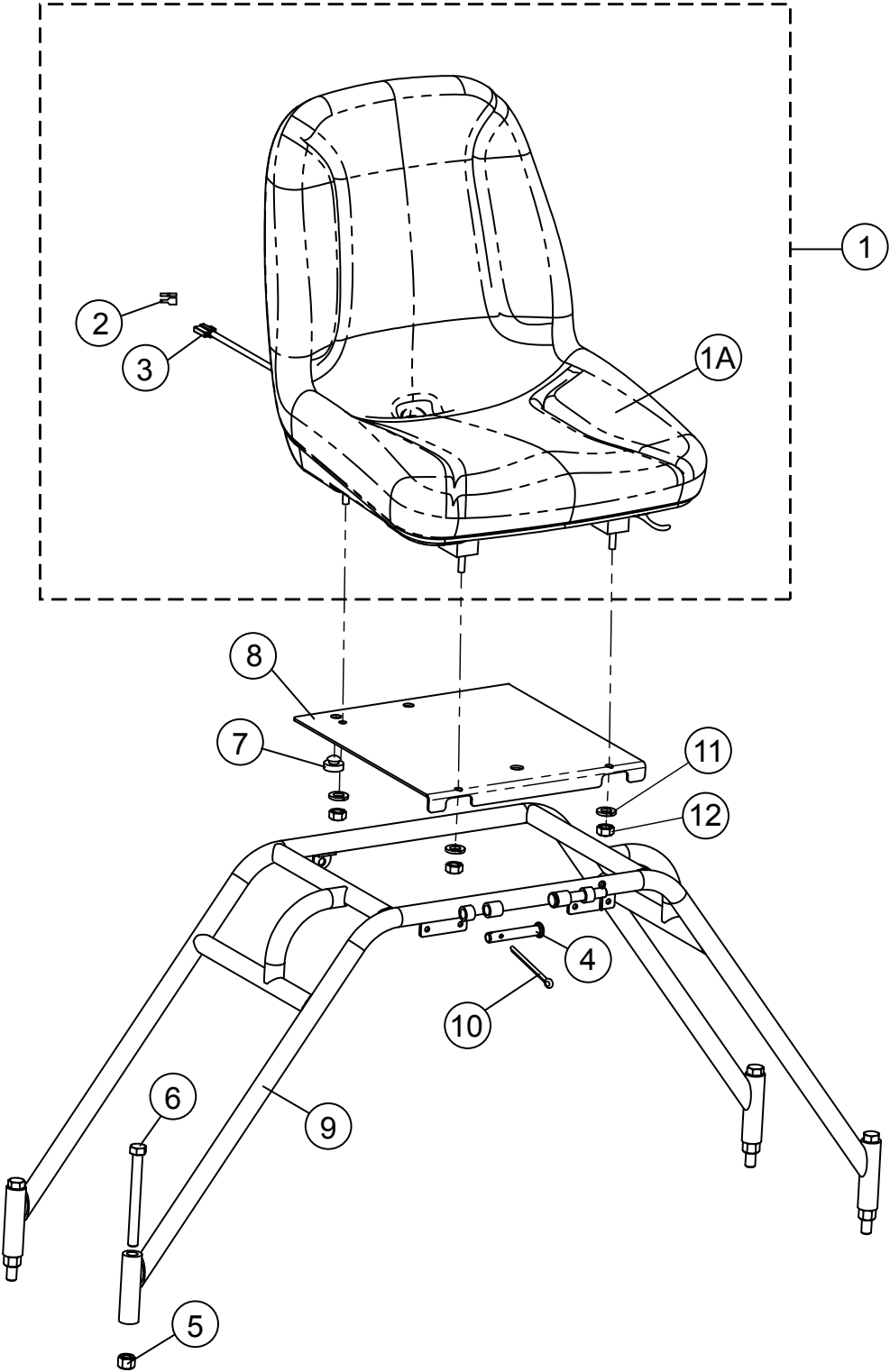
RIGHT SIDE SPIDER ASSEMBLY  
(VIEW FROM DRIVERS SEAT)



**SPIDER ASSY. (RIGHT)**

| <b>NO</b> | <b>PART NO</b> | <b>PART NAME</b>                         | <b>QTY.</b> | <b>REMARKS</b>      |
|-----------|----------------|------------------------------------------|-------------|---------------------|
| 1\$       | 12208          | WEAR RING                                | 1           |                     |
| 2\$       | 12778          | FLANGE BEARING                           | 1           |                     |
| 3\$       | 10793          | THRUST COLLAR W/ BUSHING .....           | 1.....      | INCLUDES ITEM W/%   |
| 4\$%      | 1471           | BUSHING                                  | 1           |                     |
| 5\$       | 1154 A         | LOWER WEAR PLATE                         | 1           |                     |
| 6         | 10968          | THRUST BEARING KIT .....                 | 1.....      | INCLUDES ITEMS W/\$ |
| 7#        | 24227          | CAP, GREASE ZERK                         | 4           |                     |
| 11#       | 0164 B         | SCREW, HHC 3/8-16 X 1-1/4" ROUNDED.      | 4           |                     |
| 12#       | 0166 A         | WASHER, LOCK, 3/8" MED.                  | 4           |                     |
| 13#       | 1157 A         | BUSHING,TROWEL SMALL ARM                 | 4           |                     |
| 14#       | 1317           | SPRING, R.S. ARM RETURN                  | 4           |                     |
| 15#       | 11602          | SCREW, HHC 3/8-16 X 3/8"                 | 4           |                     |
| 16#       | 11876-G        | SPIDER PLATE, 1-1/8" SHAFT, 4-BLD, GREEN | 1           |                     |
| 17#       | 1322           | SCREW, RETAINING                         | 4           |                     |
| 18#       | 1875           | WASHER, INT. SHKP, 3/8"                  | 4           |                     |
| 19#       | 1876           | NUT, HEX JAM 3/8-16                      | 4           |                     |
| 20#       | 1555-G         | LEVER, TROWEL, LH, GREEN                 | 4           |                     |
| 21#       | 2826-G         | ARM, TROWEL 9-3/4", GREEN                | 4           |                     |
| 22#       | 4164           | PIN, ROLL 5/16" X 2"                     | 4           |                     |
| 25        | 24270          | SPIDER ASSY, 4BLD, RS.....               | 1.....      | INCLUDES ITEMS W/#  |
| 26        | 0105           | SCREW, HHC 5/16-18 X 1-1/2"              | 4           |                     |
| 27        | 0161 C         | LOCK WASHER 5/16"                        | 8           |                     |
| 28#       | 12097          | SCREW, SQHS 3/8-16x1-3/4" GRD 8          | 1           |                     |
| 29#       | 1456           | NUT, HEX 3/8-16                          | 1           |                     |
| 30        | 60091          | LOCTITE, #242 BLUE                       | 1           |                     |
| 31        | 1141           | KEY, 5/16" SQ X 2-5/8"                   | 1           |                     |

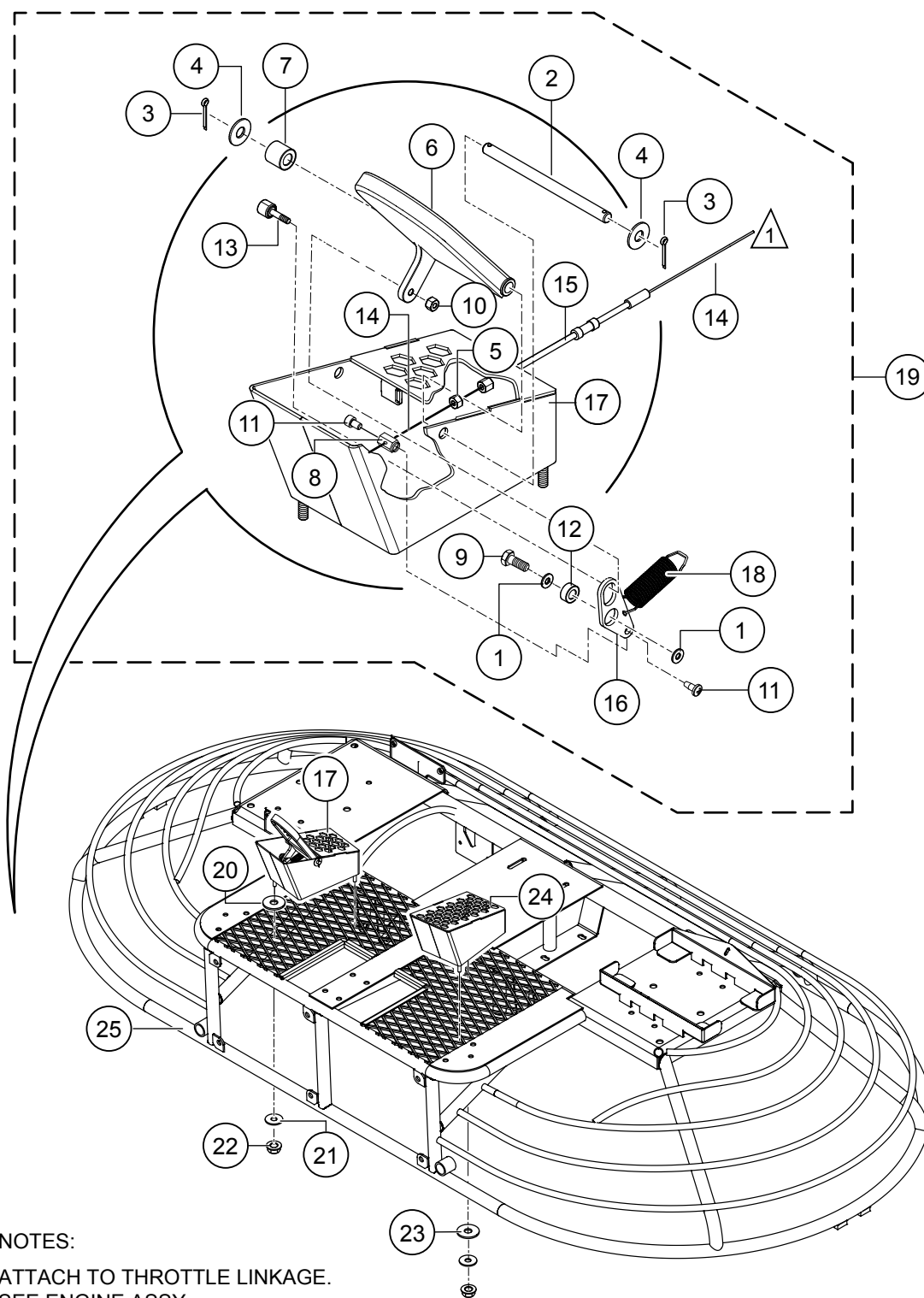
**SEAT FRAME ASSY.**



## SEAT FRAME ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>           | <u>QTY.</u> | <u>REMARKS</u>      |
|------------|-----------------|----------------------------|-------------|---------------------|
| 1          | 24120           | SEAT ASSY.....             | 1.....      | INCLUDES ITEMS W/\$ |
| 1A\$       | 24203           | SEAT                       | 1           |                     |
| 2\$        | 24233           | TERMINAL, FEMALE           | 2           |                     |
| 3\$        | 24234           | CONNECTOR BODY, MALE       | 1           |                     |
| 4          | 8081            | PIN, CLEVIS 1/2" X 2- 3/4" | 2           |                     |
| 5          | 10176           | NUT, NYLOC 1/2-13          | 4           |                     |
| 6          | 10307           | SCREW, HHC 1/2-13 X 5"     | 4           |                     |
| 7          | 21597           | BUMPER, STEM               | 3           |                     |
| 8          | 24118           | SEAT PLATE                 | 1           |                     |
| 9          | 24119           | FRAME, SEAT                | 1           |                     |
| 10         | 24193           | PIN, COTTER, 2.5 X 30MM    | 2           |                     |
| 11         | 24096           | WASHER, M8 SPLIT LOCK      | 4           |                     |
| 12         | 24251           | NUT, M8-P1.25              | 4           |                     |

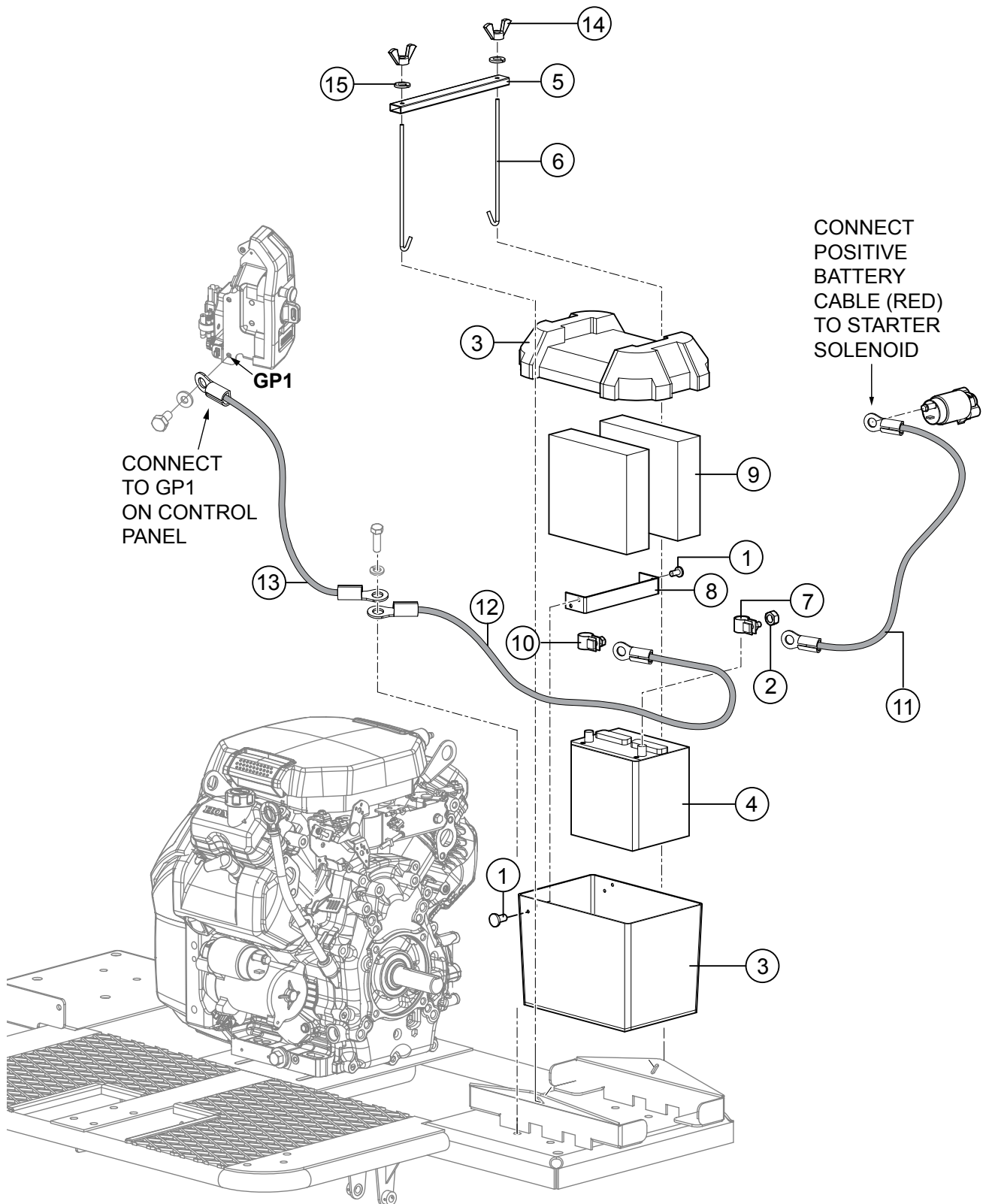
# FOOT PEDAL ASSY.



## FOOT PEDAL ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                          | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|-------------------------------------------|-------------|--------------------|
| 1@         | 0300 B          | WASHER, FLAT SAE 5/16"                    | 2           |                    |
| 2@         | 2772            | PIN, ACCELERATOR PEDAL                    | 1           |                    |
| 3@         | 24193           | PIN, COTTER, 2.5 X 30MM                   | 2           |                    |
| 4@         | 10136           | WASHER, FLAT SAE 3/8"                     | 2           |                    |
| 5@         | 24190           | NUT, NYLOC                                | 1           |                    |
| 6@         | 23591           | PEDAL, ACCELERATOR                        | 1           |                    |
| 7@         | 23596           | SPACER, PEDAL                             | 1           |                    |
| 8@         | 24170           | STOPPER, WIRE                             | 1           |                    |
| 9@         | 24179           | SCREW, HHC M6-1.0 X 20MM                  | 1           |                    |
| 10@        | 24186           | NUT, NYLOC, M4 X 0.7                      | 1           |                    |
| 11@        | 24187           | SCREW, TRUSS HEAD, M5 X 0.8 X 8MM         | 2           |                    |
| 12@        | 24192           | BALL BEARING                              | 1           |                    |
| 13@        | 24211           | BEARING, CAM FOLLOWER                     | 1           |                    |
| 14@        | 24214           | CABLE, THROTTLE, INNER                    | 1           |                    |
| 15@        | 24215           | CASING, THROTTLE WIRE                     | 1           |                    |
| 16@        | 24225           | LINKAGE, ACCELERATOR PEDAL                | 1           |                    |
| 17@        | 24239           | FOOT RISER, ACCELERATOR SIDE              | 1           |                    |
| 18@        | 37527           | SPRING                                    | 1           |                    |
| 19         | 24275           | ACCELERATOR PEDAL, ASSY.....              | 1           | INCLUDES ITEMS W/@ |
| 20         | 13351           | WASHER, FLAT 3/8" EXT THICK HIGH STRENGTH | 1           |                    |
| 21         | 24096           | WASHER, M8 SPLIT LOCK                     | 4           |                    |
| 22         | 24093           | HEX NUT, M8 X 1-1/4" NYLOC                | 4           |                    |
| 23         | 3233            | WASHER, FENDER, 1-1/2" OD X 3/8" ID       | 2           |                    |
| 24         | 24245           | FOOT RISER                                | 1           |                    |
| 25         | 24163           | FRAME                                     | 1           |                    |

## BATTERY ASSY.

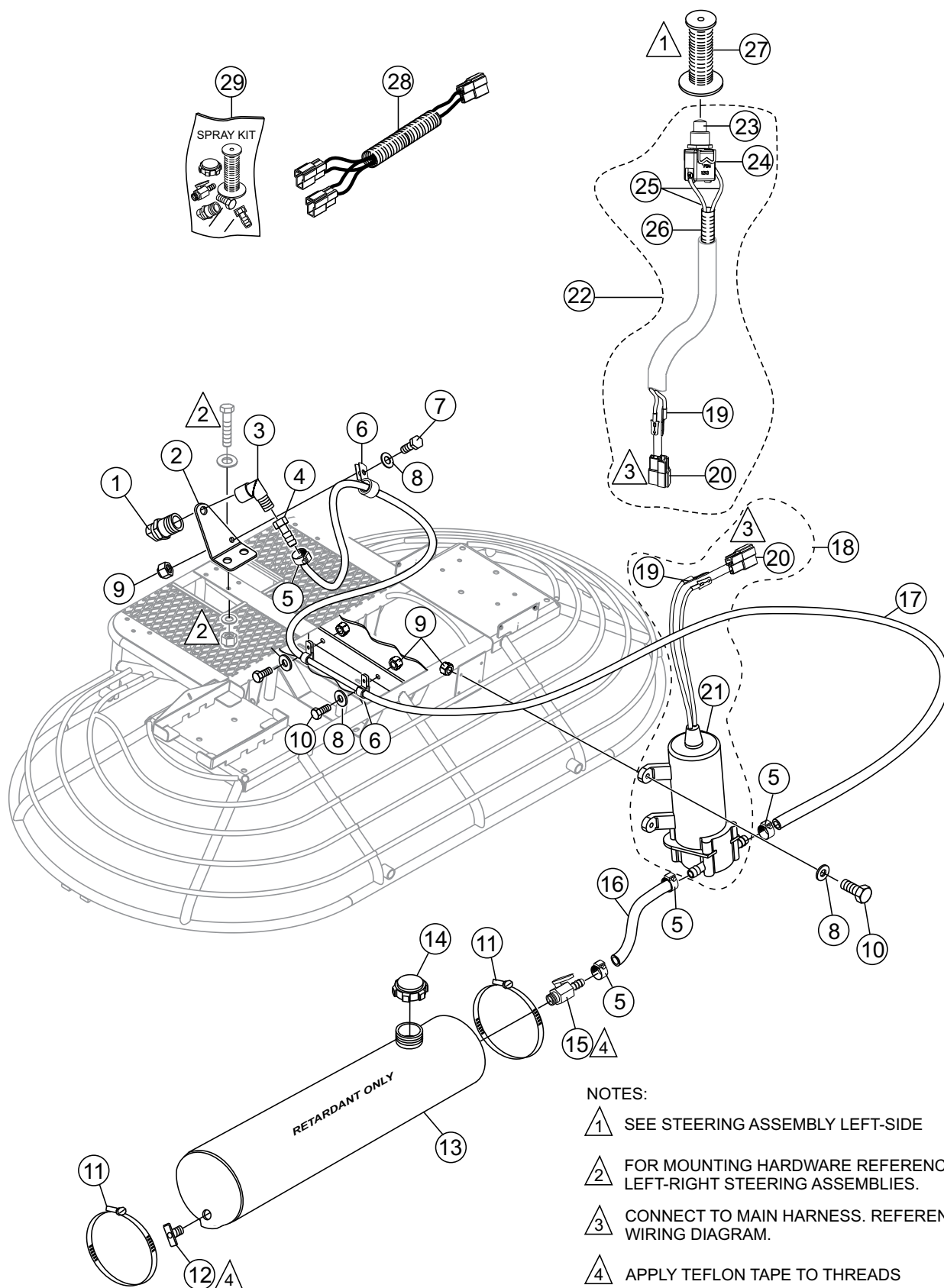


**BATTERY ASSY.**

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| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                              | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|-----------------------------------------------|-------------|----------------|
| 1          | 19847           | POP RIVET                                     | 4           |                |
| 2          | 24137           | NUT, HEX FINISH M6 X 1.0, NO PLATE            | 2           |                |
| 3          | 24150           | BATTERY BOX                                   | 1           |                |
| 4          | 24151           | BATTERY,WET, 36B20                            | 1           |                |
| 5          | 24152           | BRACKET, BATTERY HOLD DOWN                    | 1           |                |
| 6          | 24153           | BOLT, BATTERY BOX                             | 2           |                |
| 7          | 24154           | BATTERY TERMINAL (POSITIVE)                   | 1           |                |
| 8          | 24161           | BRACKET, BATTERY                              | 1           |                |
| 9          | 24162           | SPONGE                                        | 2           |                |
| 10         | 24223           | BATTERY TERMINAL (NEGATIVE)                   | 1           |                |
| 11         | 24236           | CABLE, BATTERY POS, 35MM <sup>2</sup> X 990MM | 1           |                |
| 12         | 24237           | CABLE, BATTERY NEG, 35MM <sup>2</sup> X 490MM | 1           |                |
| 13         | 24238           | CABLE, BATTERY NEG, 35MM <sup>2</sup> X 390MM | 1           |                |
| 14         | 24288           | NUT, WING, M6 X 1.0                           | 2           |                |
| 15         | 24289           | WASHER, LOCK, M6                              | 2           |                |

# SPRAY TANK ASSY.



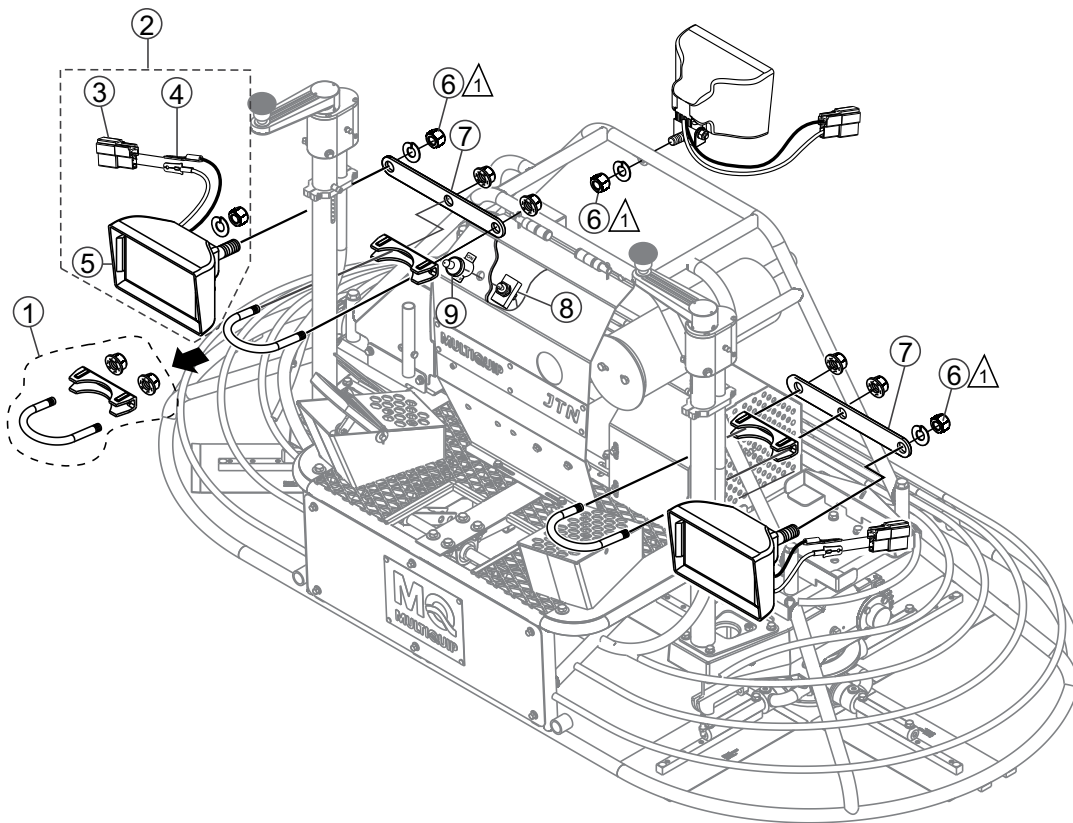
## NOTES:

- △ 1 SEE STEERING ASSEMBLY LEFT-SIDE
- △ 2 FOR MOUNTING HARDWARE REFERENCE LEFT-RIGHT STEERING ASSEMBLIES.
- △ 3 CONNECT TO MAIN HARNESS. REFERENCE WIRING DIAGRAM.
- △ 4 APPLY TEFLON TAPE TO THREADS

## SPRAY TANK ASSY.

| <b>NO.</b> | <b>PART NO.</b> | <b>PART NAME</b>                         | <b>QTY.</b> | <b>REMARKS</b>      |
|------------|-----------------|------------------------------------------|-------------|---------------------|
| 1#         | 24219           | NOZZLE, SPRAY, 1/4-19 PT MALE            | 1           |                     |
| 2#         | 11222           | MOUNTING BRACKET, SPRAY NOZZLE           | 1           |                     |
| 3#         | 24216           | FITTING, BRASS 90° 1/4 MALE X 1/4 FEMALE | 1           |                     |
| 4#         | 24220           | FITTING, PF 1/4"- 10MM DIA               | 1           |                     |
| 5#         | 24221           | CLAMP, HOSE WORM, 12-15 MM               | 4           |                     |
| 6#         | 24290           | CLAMP, HOSE SUPPORT, 7-16 MM DIA         | 3           |                     |
| 7#         | 4514            | SCREW, HHC 1/4-20 X 5/8" GRD5            | 1           |                     |
| 8#         | 0948            | WASHER, FLAT SAE 1/4"                    | 7           |                     |
| 9#         | 10024           | NUT, NYLOC 1/4-20                        | 7           |                     |
| 10#        | 0131 A          | SCREW, HHC 1/4-20 X 3/4"                 | 6           |                     |
| 11#        | 2398            | CLAMP, HOSE WORM                         | 2           |                     |
| 12#        | 2478            | FITTING, PETCOCK RAD DRAIN 1/4 MP        | 1           |                     |
| 13#        | 24178           | RETARDANT TANK                           | 1           |                     |
| 14#        | 24212           | CAP, BLUE                                | 1           |                     |
| 15#        | 24257           | VALVE, M14 - 8MM BARB                    | 1           |                     |
| 16#        | 24217           | HOSE, 8 MM ID X 12MM OD X 415MM LG       | 1           |                     |
| 17#        | 24218           | HOSE, 8 MM ID X 12MM OD X 900MM LG       | 1           |                     |
| 18#        | 24204           | PUMP, SPRAY KIT .....                    | 1           | INCLUDES ITEMS W/%  |
| 19%\$      | 24201           | TERMINAL, MALE 16-14 GA                  | 2           |                     |
| 20%\$      | 24202           | CONNECTOR, 2 WIRE MALE TERMINIAL         | 1           |                     |
| 21%        | 24205           | PUMP, SPRAY, 12VDC                       | 1           |                     |
| 22#        | 24276           | SWITCH ASSY. ....                        | 1           | INCLUDES ITEMS W/\$ |
| 23\$       | 24199           | SWITCH, PUSH BUTTON, 4A, 12 VDC          | 1           |                     |
| 24\$       | 24169           | HOLDER, SPRAY SWITCH                     | 1           |                     |
| 25\$       | 24276-3         | WIRE, 1.25 SQCM, BLACK, 79" LG           | 2           |                     |
| 26\$       | 60221           | LOOM, .375 SPLIT, 6.4 FT .....           | 2           | 1PC = 1FT           |
| 27#        | 22762           | GRIP, HANDLE W/ .63 HOLE                 | 1           |                     |
| 28#        | 24232           | HARNESS, SPRAY KIT,                      | 1           |                     |
| 29         | 23658           | KIT, SPRAY .....                         | 1           | INCLUDES ITEMS W/#  |

## LIGHTS ASSY.



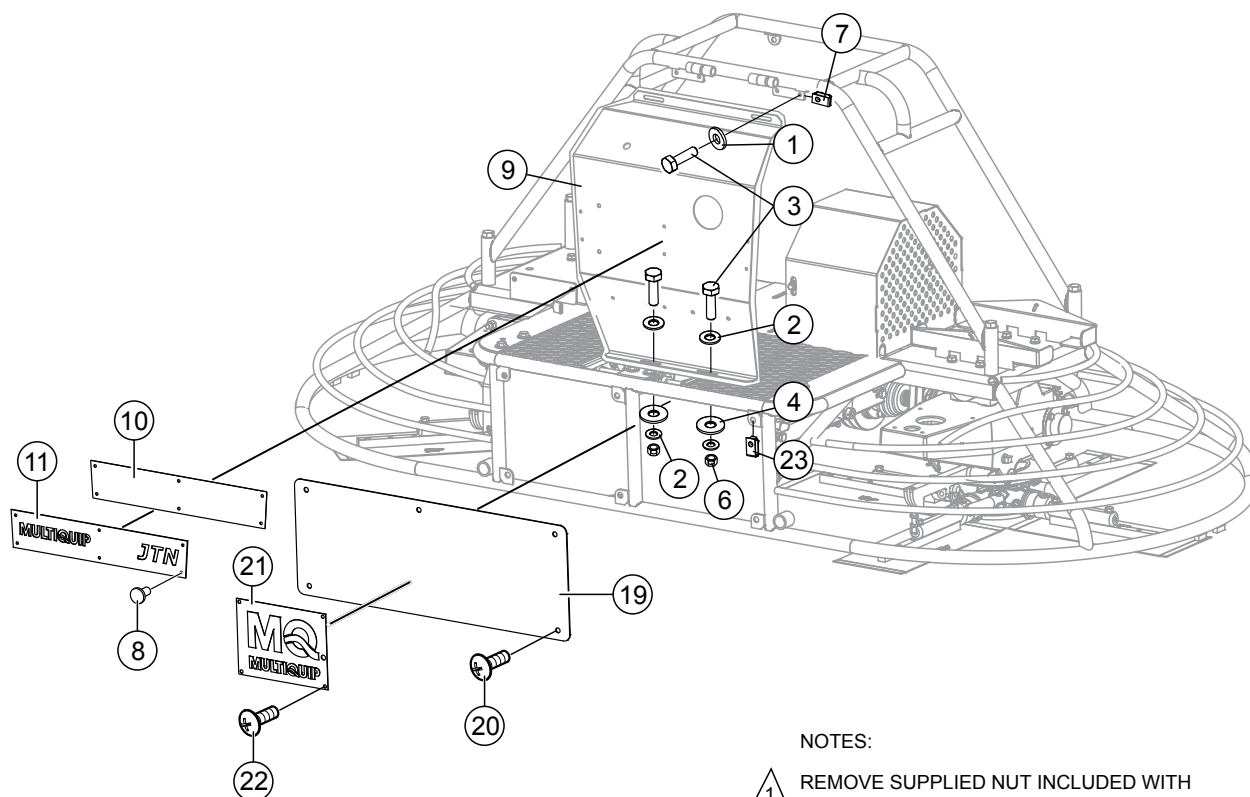
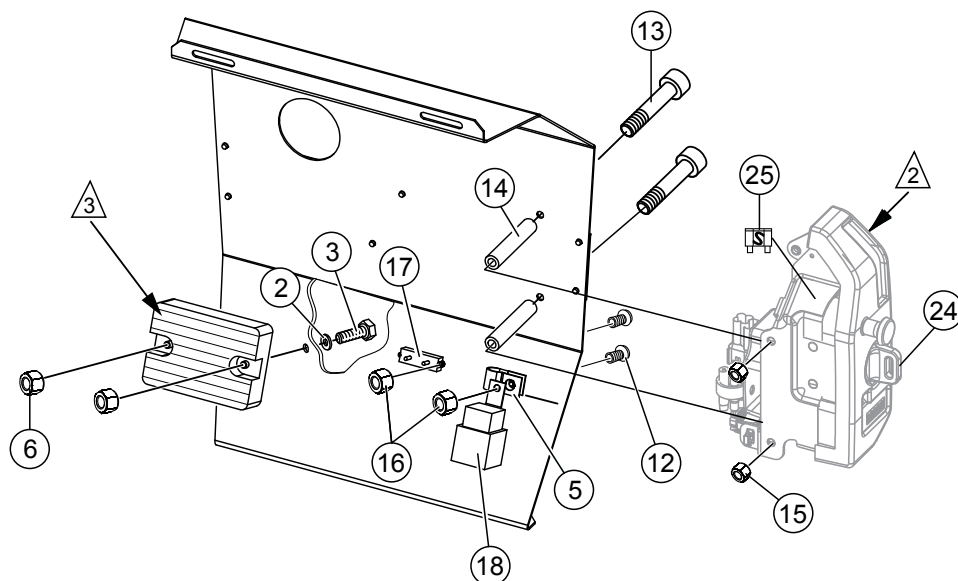
### NOTES:

- △ 1 REMOVE SUPPLIED NUT INCLUDED WITH LIGHT KIT AND REPLACE WITH NYLOC NUT, P/N 24093.

## LIGHTS ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                       | <u>QTY.</u> | <u>REMARKS</u>      |
|------------|-----------------|----------------------------------------|-------------|---------------------|
| 1          | 24160           | CLAMP, 1-3/4" MUFFLER                  | 2           |                     |
| 2          | 24208           | LIGHT ASSY., RECTANGULAR, W/ CON. .... | 3.....      | ITEMS INCLUDED W/\$ |
| 3\$        | 24202           | CONNECTOR BODY, 2-WIRE MALE TERM.      | 3           |                     |
| 4\$        | 24201           | TERMINAL, MALE 16-14 GA                | 6           |                     |
| 5\$        | 23665           | LIGHT, RECTANGULAR                     | 3           |                     |
| 6          | 24093           | NUT, NYLOC M8                          | 3           |                     |
| 7          | 2531            | BRACKET, LIGHT                         | 2           |                     |
| 8          | 24196           | SWITCH, TOGGLE, SPST 20A 125VAC        | 1           |                     |
| 9          | 24197           | BOOT, TOGGLE SWITCH                    | 1           |                     |

# FRONT PANEL ASSY.



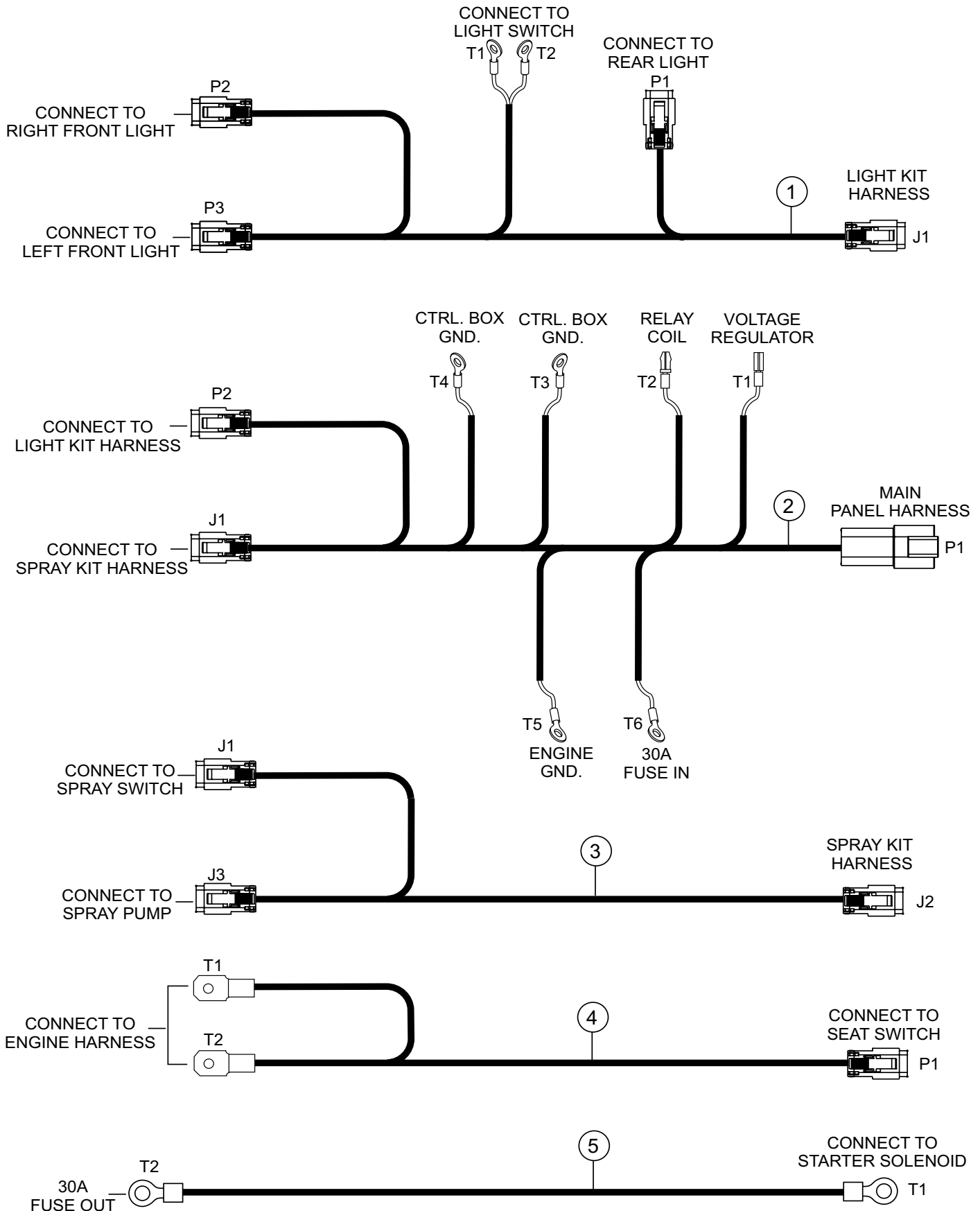
## NOTES:

- △ 1 REMOVE SUPPLIED NUT INCLUDED WITH LIGHT KIT AND REPLACE WITH NYLOC NUT, ITEM 7.
- △ 2 CONTROL BOX INCLUDED WITH ENGINE.
- △ 3 REGULATOR INCLUDED WITH ENGINE.

## FRONT PANEL ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>                       | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|----------------------------------------|-------------|----------------|
| 1          | 0181 B          | WASHER, LOCK 1/4" MED                  | 2           |                |
| 2          | 0948            | WASHER, FLAT SAE 1/4"                  | 6           |                |
| 3          | 2295            | SCREW, HHC 1/4-20 X 7/8"               | 6           |                |
| 4          | 3233            | WASHER, FENDER, 1.5OD X 3/8 ID         | 2           |                |
| 5          | 8125            | CLAMP,HOSE LOOP, 5/8" DIA X .406 HOLE  | 1           |                |
| 6          | 10024           | NUT, NYLOC 1/4-20                      | 4           |                |
| 7          | 10284           | NUT, PLATE, #10-32, CLIP-ON            | 2           |                |
| 8          | 19847           | RIVET, POP, ALUM, 3/16 X 1/8-1/4 GRIP  | 6           |                |
| 9          | 23679           | CONTROL PANEL                          | 1           |                |
| 10         | 24148           | SHEET, TRIM BACKING                    | 1           |                |
| 11         | 24149           | PANEL, "MULTIQUIP"                     | 1           |                |
| 12         | 24187           | SCREW, TRUSS HD, M5 X 0.8 X 8MM        | 3           |                |
| 13         | 24188           | SCREW, SHCS, M6 X 1.0 X 80MM           | 2           |                |
| 14         | 24189           | BOSS, CONTROL BOX                      | 2           |                |
| 15         | 24190           | NUT, NYLOC, M6 X 1.0                   | 2           |                |
| 16         | 24191           | NUT, NYLOC, M5 X 0.8                   | 3           |                |
| 17         | 24209           | CIRCUIT BREAKER, 30A, 12V              | 1           |                |
| 18         | 24210           | RELAY, KILL                            | 1           |                |
| 19         | 24116           | PANEL, FRONT                           | 1           |                |
| 20         | 22021           | SCREW, HEX FLANGE M8-1.25 X 20MM GRD10 | 6           |                |
| 21         | 24128           | LOGO PLATE, MULTIQUIP                  | 1           |                |
| 22         | 19847           | POP RIVET                              | 4           |                |
| 23         | 24174           | NUT, "U" TYPE 1/4-20                   | 6           |                |
| 24         | 35110-ZV5-V50   | KEY IGNITION                           | 1           |                |
| 25         | 9820044300      | FUSE 30 AMP                            | 1           |                |

# HARNESS ASSY.

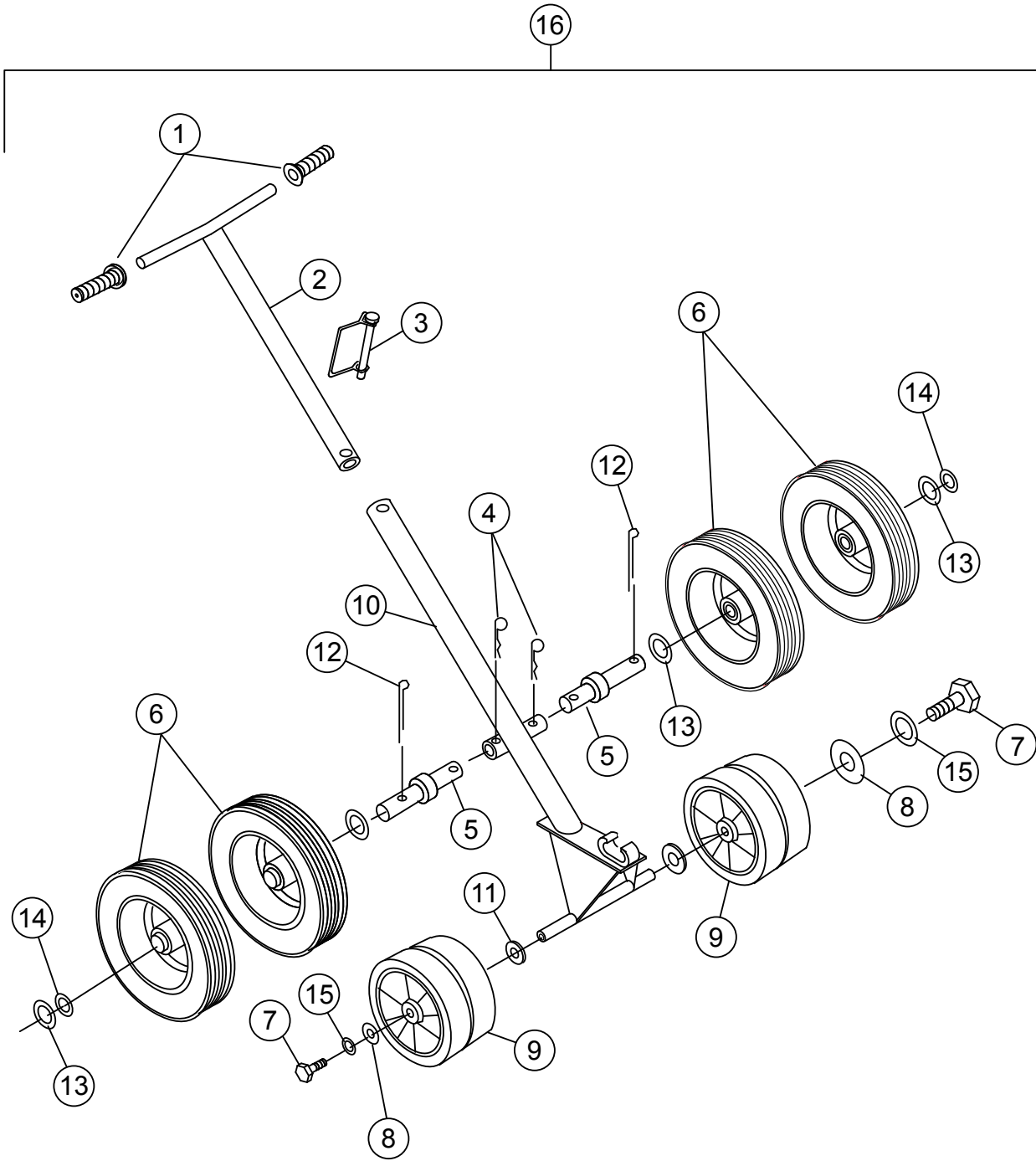


## **HARNESS ASSY.**

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| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>    | <u>QTY.</u> | <u>REMARKS</u> |
|------------|-----------------|---------------------|-------------|----------------|
| 1          | 24231           | LIGHT KIT HARNESS   | 1           |                |
| 2          | 23661           | MAIN PANEL HARNESS  | 1           |                |
| 3          | 24232           | SPRAY KIT HARNESS   | 1           |                |
| 4          | 24230           | SEAT SWITCH HARNESS | 1           |                |
| 5          | 23723           | POWER PANEL HARNESS | 1           |                |

# E-Z MOVER AND LIFT HANDLE ASSY.



## E-Z MOVER AND LIFT HANDLE ASSY.

| <u>NO.</u> | <u>PART NO.</u> | <u>PART NAME</u>          | <u>QTY.</u> | <u>REMARKS</u>     |
|------------|-----------------|---------------------------|-------------|--------------------|
| 1#         | 0189            | HAND GRIP                 | 2           |                    |
| 2#         | 2336            | UPPER HANDLE              | 1           |                    |
| 3#         | 1869            | SNAP PIN                  | 1           |                    |
| 4#         | 7170            | CLIP                      | 2           |                    |
| 5#         | 11684           | DOLLY AXLE                | 2           |                    |
| 6#         | 10440           | WHEEL AND TIRE            | 2           |                    |
| 7#         | 0655            | SCREW, HHC 5/16-18 x 3/4" | 2           |                    |
| 8#         | 0300 B          | FLAT WASHER 5/16"         | 2           |                    |
| 9#         | 2364            | WHEEL                     | 2           |                    |
| 10#        | 10445           | FRAME                     | 1           |                    |
| 11#        | 4684            | FLAT WASHER 5/8"          | 2           |                    |
| 12#        | 0183            | COTTER PIN                | 4           |                    |
| 13#        | 10446           | FLAT WASHER 3/4"          | 8           |                    |
| 14#        | 8151            | FLAT WASHER 3/4" SAE      | 8           |                    |
| 15#        | 0161 C          | LOCK WASHER 5/16"         | 2           |                    |
| 16         | EMR2            | EZ-MOVER ASSEMBLY .....   | 1.....      | INCLUDES ITEMS W/# |

# TERMS AND CONDITIONS OF SALE — PARTS

## PAYMENT TERMS

Terms of payment for parts are net 30 days.

## FREIGHT POLICY

All parts orders will be shipped collect or prepaid with the charges added to the invoice. All shipments are F.O.B. point of origin. Multiquip's responsibility ceases when a signed manifest has been obtained from the carrier, and any claim for shortage or damage must be settled between the consignee and the carrier.

## MINIMUM ORDER

The minimum charge for orders from Multiquip is \$15.00 net. Customers will be asked for instructions regarding handling of orders not meeting this requirement.

## RETURNED GOODS POLICY

Return shipments will be accepted and credit will be allowed, subject to the following provisions:

1. A Returned Material Authorization must be approved by Multiquip prior to shipment.
2. To obtain a Return Material Authorization, a list must be provided to Multiquip Parts Sales that defines item numbers, quantities, and descriptions of the items to be returned.
  - a. The parts numbers and descriptions must match the current parts price list.
  - b. The list must be typed or computer generated.
  - c. The list must state the reason(s) for the return.
  - d. The list must reference the sales order(s) or invoice(s) under which the items were originally purchased.
  - e. The list must include the name and phone number of the person requesting the RMA.
3. A copy of the Return Material Authorization must accompany the return shipment.
4. Freight is at the sender's expense. All parts must be returned freight prepaid to Multiquip's designated receiving point.

5. Parts must be in new and resalable condition, in the original Multiquip package (if any), and with Multiquip part numbers clearly marked.
6. The following items are not returnable:
  - a. Obsolete parts. (If an item is in the price book and shows as being replaced by another item, it is obsolete.)
  - b. Any parts with a limited shelf life (such as gaskets, seals, "O" rings, and other rubber parts) that were purchased more than six months prior to the return date.
  - c. Any line item with an extended dealer net price of less than \$5.00.
  - d. Special order items.
  - e. Electrical components.
  - f. Paint, chemicals, and lubricants.
  - g. Decals and paper products.
  - h. Items purchased in kits.
7. The sender will be notified of any material received that is not acceptable.
8. Such material will be held for five working days from notification, pending instructions. If a reply is not received within five days, the material will be returned to the sender at his expense.
9. Credit on returned parts will be issued at dealer net price at time of the original purchase, less a 15% restocking charge.
10. In cases where an item is accepted, for which the original purchase document can not be determined, the price will be based on the list price that was effective twelve months prior to the RMA date.
11. Credit issued will be applied to future purchases only.

## PRICING AND REBATES

Prices are subject to change without prior notice. Price changes are effective on a specific date and all orders received on or after that date will be billed at the revised price. Rebates for price declines and added charges for price increases will not be made for stock on hand at the time of any price change.

Multiquip reserves the right to quote and sell direct to Government agencies, and to Original Equipment Manufacturer accounts who use our products as integral parts of their own products.

## SPECIAL EXPEDITING SERVICE

A \$35.00 surcharge will be added to the invoice for special handling including bus shipments, insured parcel post or in cases where Multiquip must personally deliver the parts to the carrier.

## LIMITATIONS OF SELLER'S LIABILITY

Multiquip shall not be liable hereunder for damages in excess of the purchase price of the item with respect to which damages are claimed, and in no event shall Multiquip be liable for loss of profit or good will or for any other special, consequential or incidental damages.

## LIMITATION OF WARRANTIES

No warranties, express or implied, are made in connection with the sale of parts or trade accessories nor as to any engine not manufactured by Multiquip. Such warranties made in connection with the sale of new, complete units are made exclusively by a statement of warranty packaged with such units, and Multiquip neither assumes nor authorizes any person to assume for it any other obligation or liability whatever in connection with the sale of its products. Apart from such written statement of warranty, there are no warranties, express, implied or statutory, which extend beyond the description of the products on the face hereof.

Effective: February 22, 2006

[illegible]

# PARTS MANUAL

## HERE'S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL  
NUMBER ON-HAND WHEN CALLING

### **CHINA**

#### ***MQ Shanghai, China***

No. 1355 Heng Cang Road  
Ma Lu Town Jia Ding District  
Shanghai, China 201818

Tel. 011 86 21 59512076  
Fax 011 86 21 59512336

Contact: Xiwen Shi  
xshi@multiquip.com

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This manual MUST accompany the equipment at all times. This manual is considered a permanent part of the equipment and should remain with the unit if resold.

The information and specifications included in this publication were in effect at the time of approval for printing. Illustrations, descriptions, references and technical data contained in this manual are for guidance only and may not be considered as binding. Multiquip Inc. reserves the right to discontinue or change specifications, design or the information published in this publication at any time without notice and without incurring any obligations.

Your Local Dealer is:



**P/N 24100**