

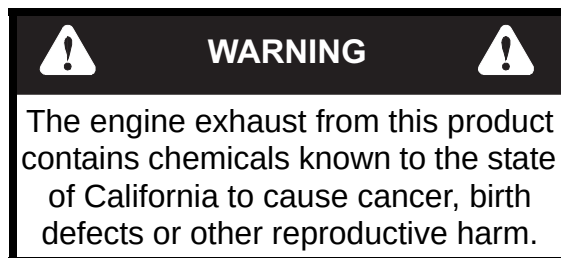
# ***Hustler® Parts Manual***



200 South Ridge Road

Hesston, Kansas

67062



#### NOTICE OF REQUIREMENT OF SPARK ARRESTER MUFFLER

This equipment may create sparks that can start fires around dry vegetation. California Public Resources Code Section 4442.6 provides that it is unlawful to use or operate an internal combustion engine on any forest-covered, brush-covered, or grass-covered land unless the engine is equipped with a spark arrester maintained in effective working order. A spark arrester is a device constructed of nonflammable materials specifically for the purpose of removing and retaining carbon and other flammable particles over 0.0232 of an inch in size from the exhaust flow of an internal combustion engine that uses hydrocarbon fuels or which is qualified and rated by the United States Forest Service. Other states or federal areas may have similar laws. The Operator Should Contact Local Fire Agencies For Laws or Regulations Relating to Fire Prevention Requirements. THIS EQUIPMENT DOES NOT HAVE A SPARK ARRESTER AND YOU SHOULD CONTACT YOUR AUTHORIZED DEALER FOR THE PURCHASE OF A SPARK ARRESTER.

**Inspect spark arrester daily; replace every 500 hours or as needed.**

**The Engine Owner's Manual provides information regarding the U.S. Environmental Protection Agency (EPA) and the California Emission Control Regulation of emission systems, maintenance and warranty.**

**Keep Engine Owner's Manual with your unit. Should the Engine Owner's Manual become damaged or illegible, replace immediately. Replacements may be ordered per the information found in the Product Information section of the owner's manual.**

**Federal law and California State law prohibit the following acts or the causing thereof:**

- 1. The removal or rendering inoperative by any person other than for purposes of maintenance, repair, replacement, of any device or element of design incorporated into any equipment for the purposes of emissions control prior to or after its sales or delivery to the ultimate purchaser or while it is in use, or**
- 2. The use of the equipment after such device or element of design has been removed or rendered inoperative by any person.**

|                                                                                           |      |
|-------------------------------------------------------------------------------------------|------|
| General Information . . . . .                                                             | 1    |
| <b>Frame, Footrest &amp; Engine Cover</b>                                                 |      |
| Frame . . . . .                                                                           | 3-1  |
| Footrest . . . . .                                                                        | 3-2  |
| Engine Cover (Multi-Page) . . . . .                                                       | 3-3  |
| Radiator & Air Cleaner Support . . . . .                                                  | 3-4  |
| <b>Hydraulic System, Steering &amp; Brake</b>                                             |      |
| Hydraulic System (Multi-Page) . . . . .                                                   | 4-1  |
| Pump Assembly Breakdown . . . . .                                                         | 4-2  |
| Hydraulic Filter and Reservoir Assembly Breakdown . . . . .                               | 4-3  |
| Manifold Assembly Breakdown . . . . .                                                     | 4-4  |
| Wheel Motor Breakdown . . . . .                                                           | 4-5  |
| Steering . . . . .                                                                        | 4-6  |
| Steering Cover Assembly (Multi-Page) . . . . .                                            | 4-7  |
| RS Steering Box Assembly Breakdown . . . . .                                              | 4-8  |
| LS Steering Box Assembly Breakdown . . . . .                                              | 4-9  |
| Brake . . . . .                                                                           | 4-10 |
| <b>Wheels &amp; Tires</b>                                                                 |      |
| Wheel & Tire . . . . .                                                                    | 5-1  |
| Front Wheel Assembly Breakdown . . . . .                                                  | 5-2  |
| Drive Wheel Breakdown . . . . .                                                           | 5-3  |
| <b>Engine, Muffler, Fuel System, Drive Belt, Clutch, Air Cleaner &amp; Cooling System</b> |      |
| Engine, Oil Filter, Fuel Filter & Muffler - S/N 19060988 & Higher (Multi-Page) . . . . .  | 6-1  |
| Engine, Oil Filter, Fuel Filter & Muffler - S/N Prior to 19060988 (Multi-Page) . . . . .  | 6-2  |
| Air Cleaner . . . . .                                                                     | 6-3  |
| Clutch & Drive Belt . . . . .                                                             | 6-4  |
| Cooling System . . . . .                                                                  | 6-5  |
| Fuel System . . . . .                                                                     | 6-6  |
| <b>Instrument Panel, Wire Harness &amp; Battery</b>                                       |      |
| Instrument Panel & Wire Harness . . . . .                                                 | 7-1  |
| Battery . . . . .                                                                         | 7-2  |
| <b>Deck, Deck Belt, Blades &amp; Deck Lift</b>                                            |      |
| Service Deck . . . . .                                                                    | 8-1  |
| Deck Pulleys & Spindles (Multi-Page) . . . . .                                            | 8-2  |
| Spindle Assembly Service Parts - 607407 & 607408 . . . . .                                | 8-3  |
| Deck Belts, Pulley Covers & Blades . . . . .                                              | 8-4  |
| Deck Shield . . . . .                                                                     | 8-5  |
| Deck Lift & Mounting Hardware (Multi-Page) . . . . .                                      | 8-6  |
| <b>Seat &amp; ROPS</b>                                                                    |      |
| Seat . . . . .                                                                            | 9-1  |
| Seat Service Parts . . . . .                                                              | 9-2  |
| ROPS & Firewall . . . . .                                                                 | 9-3  |

---

## General Information

**Note:** When ordering parts, you must use the part number as shown for each part, not the index number. Always give the model and serial number to your parts and service representative.

**Note:** Items sold in bulk such as seals and hoses are sold by the foot.

---

### **Using This Manual**

This manual is part of a service package for the Hustler® mowers. Use of this manual in conjunction with other Hustler® mower and component manuals will provide the information necessary to service and maintain Hustler® mowers.

This Parts Manual provides a complete parts listing for the unit. Use this manual when ordering parts. Illustrations used were current at the time of printing, but subsequent production changes may cause your machine to vary slightly in detail. Excel Industries, Inc. reserves the right to redesign and change the machine as deemed necessary, without notification. If a change has been made to your machine which is not reflected in this parts manual, see your authorized dealer for current information and parts.

The Service Manual is a service guide for use by Service Technicians. It provides the necessary information needed to perform normal maintenance requirements on these units.

The Operator's Manual provides fundamental operational information and operational safety that is needed when operating the mower.

The component manuals are furnished by the various manufacturers to be used for the troubleshooting and servicing of their products.

### **Hardware Description Codes & Abbreviations**

The following codes are used throughout this parts manual. Refer to this list when ordering parts.

| ABBREVIATION | DESCRIPTION   | ABBREVIATION | DESCRIPTION            |
|--------------|---------------|--------------|------------------------|
| CB           | CARRIAGE BOLT | MB           | MACHINE BUSHING        |
| CE           | CLEVIS PIN    | MS           | MACHINE SCREW          |
| CN           | CLIP NUT      | NT           | NUT                    |
| CP           | COTTER PIN    | SC           | SELF TAPPING CAP SCREW |
| CS           | CAP SCREW     | SH           | SOCKET HEAD            |
| CW           | CUP WASHER    | SB           | SHOULDER BOLT          |
| FDRW         | FENDER WASHER | SS           | SET SCREW              |
| FW           | FLAT WASHER   | OD           | OUTSIDE DIAMETER       |
| HX           | HEX HEAD      | ID           | INSIDE DIAMETER        |
| LW           | LOCK WASHER   | WN           | WELD NUT               |

---

### **Standard Torques**

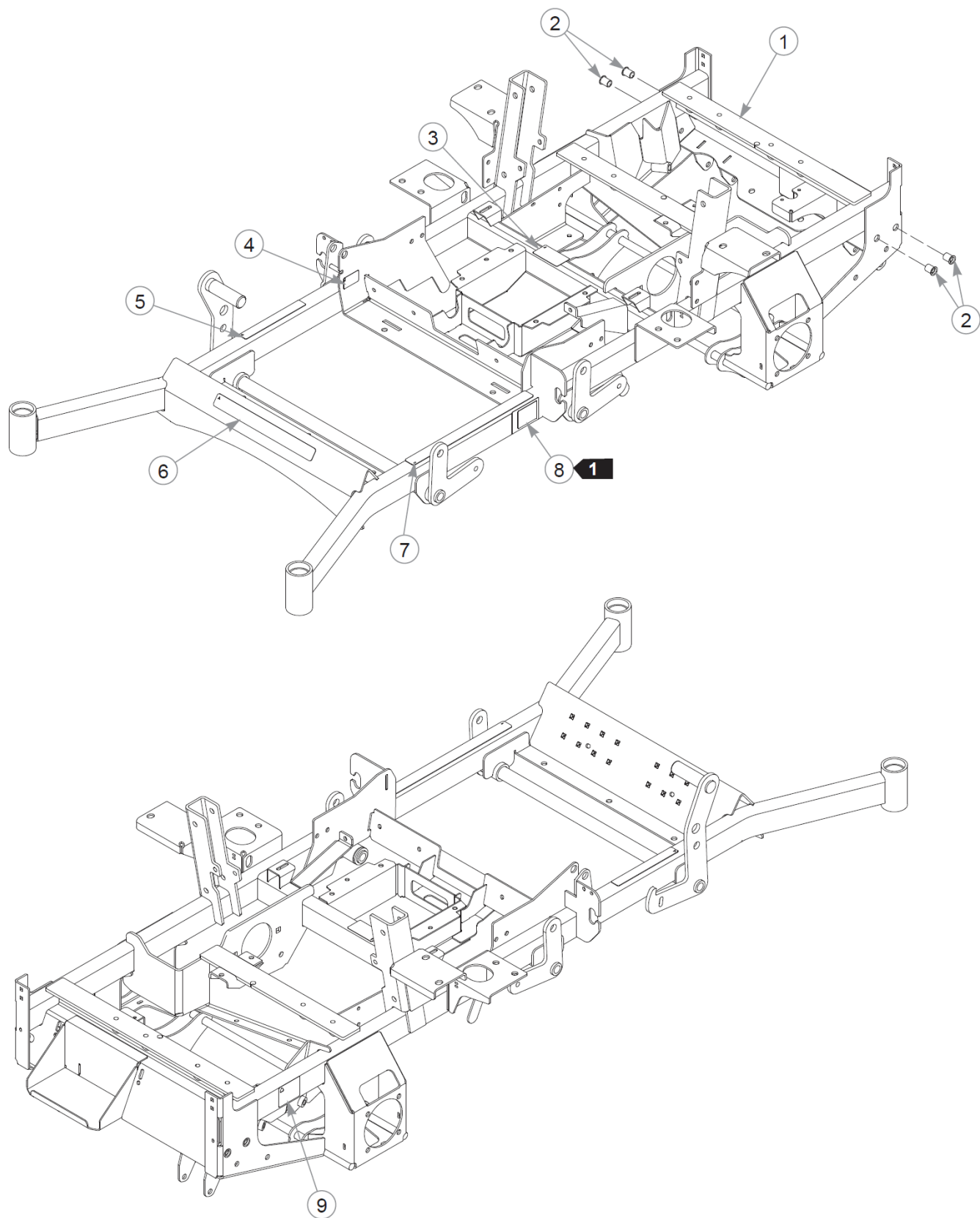
The following chart lists the standard torque values for the threaded fasteners found in this manual. Torque all cap screws, nuts and set screws to these values unless a different torque is shown in the Notes section next to the fastener.

| SIZE | FT-LBS | N•M  | SIZE | FT-LBS | N•M   |
|------|--------|------|------|--------|-------|
| .250 | 8.2    | 11.1 | M3   | 1      | 1.3   |
| .312 | 17     | 23   | M4   | 2.2    | 3     |
| .375 | 30     | 40   | M5   | 4.5    | 6.1   |
| .438 | 48     | 65   | M6   | 7.7    | 10.4  |
| .500 | 73     | 99   | M8   | 18.5   | 25    |
| .562 | 105    | 143  | M10  | 37     | 50    |
| .625 | 145    | 200  | M12  | 64     | 87    |
| .750 | 260    | 350  | M14  | 80     | 108.5 |
| .875 | 420    | 565  | M16  | 160    | 215   |
| 1.00 | 625    | 850  | M20  | 320    | 435   |
|      |        |      | M24  | 555    | 750   |

---



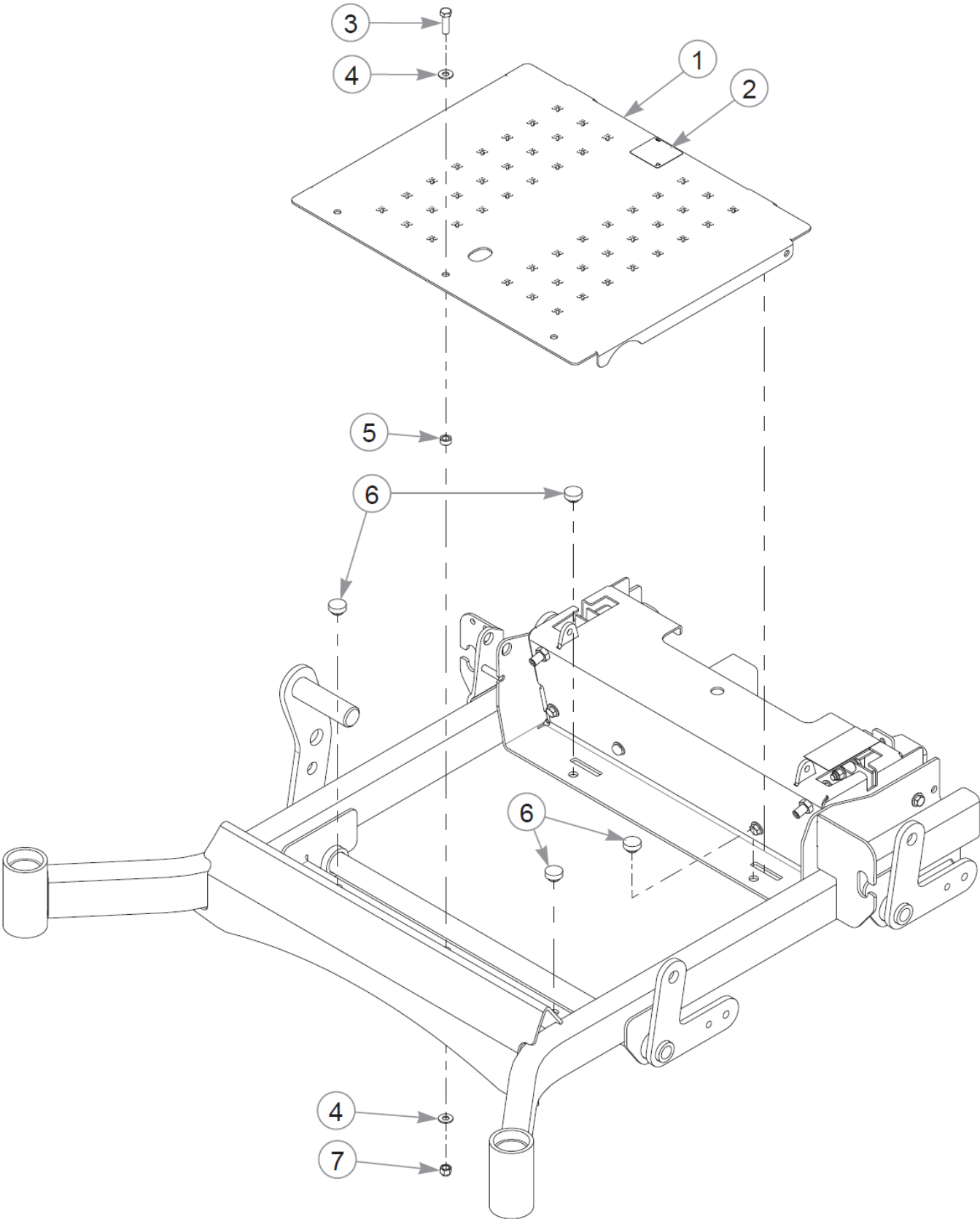
This page intentionally left blank



| Item | Part No. | Qty | Name                       |
|------|----------|-----|----------------------------|
| 1    | 551156   | 1   | SERVICE FRAME, 72 HDZ RD   |
| 2    | 600961   | 4   | RIVET NUT, 1/2-13 THREAD   |
| 3    | 601968   | 1   | DECAL, HYDRAULIC PRESS     |
| 4    | 603363   | 1   | DECAL, ANSI COMPLIANCE     |
| 5    | 781427   | 1   | DECAL, DECK HEIGHT INDI    |
| 6    | 602407   | 1   | DECAL, HUSTLER ID          |
| 7    | 601993   | 1   | DECAL, SAFE OPERATION      |
| 8    | N/A      | 1   | SERIAL NUMBER / SPEC DECAL |
| 9    | 601596   | 1   | DECAL, BELT ROUTING        |

Comments for Page: Frame

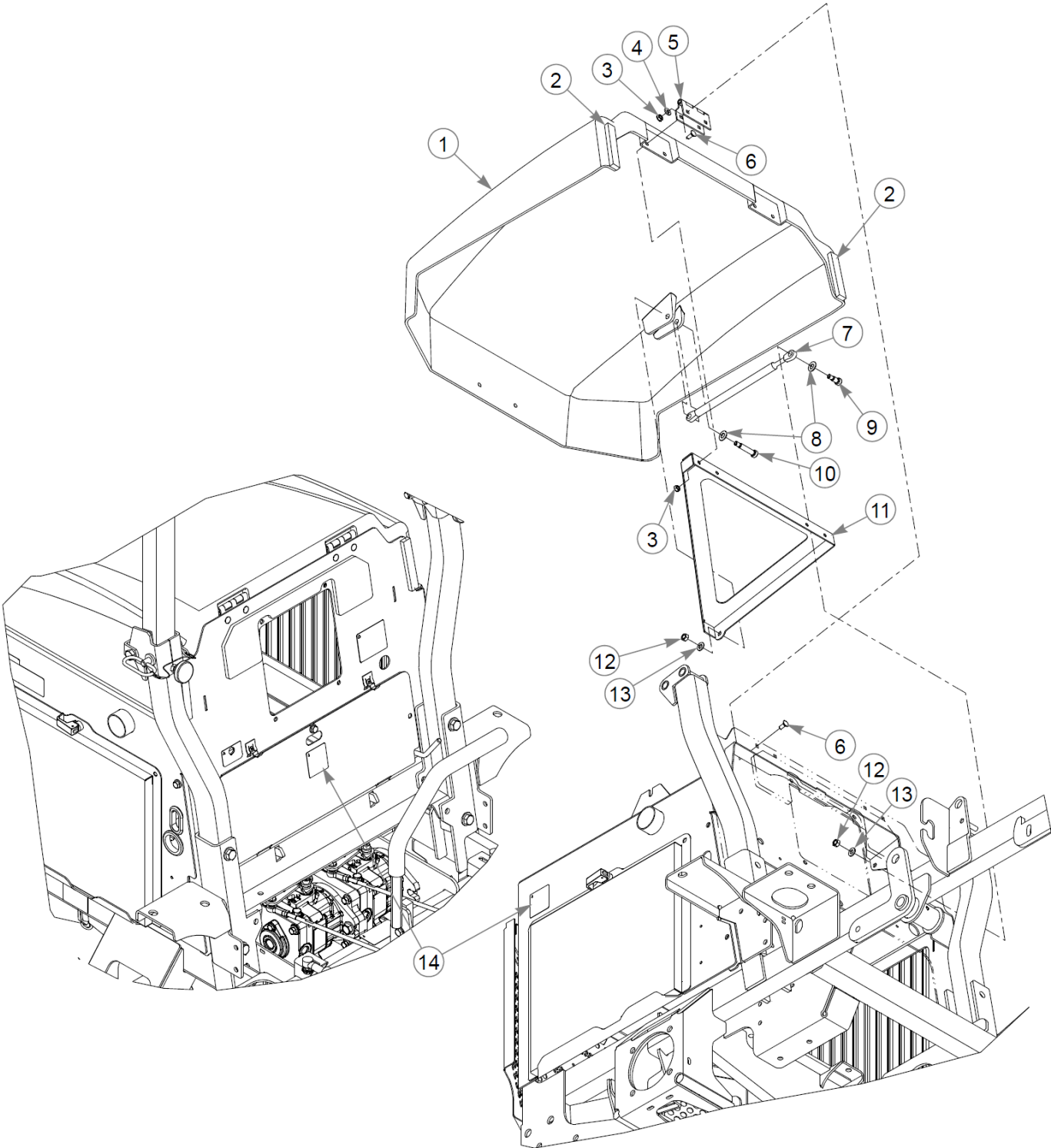
1. Serial number decal. In the event the serial number decal becomes damaged or illegible, please contact your dealer to order a replacement.
2. The frame includes the decals and rivet nuts.



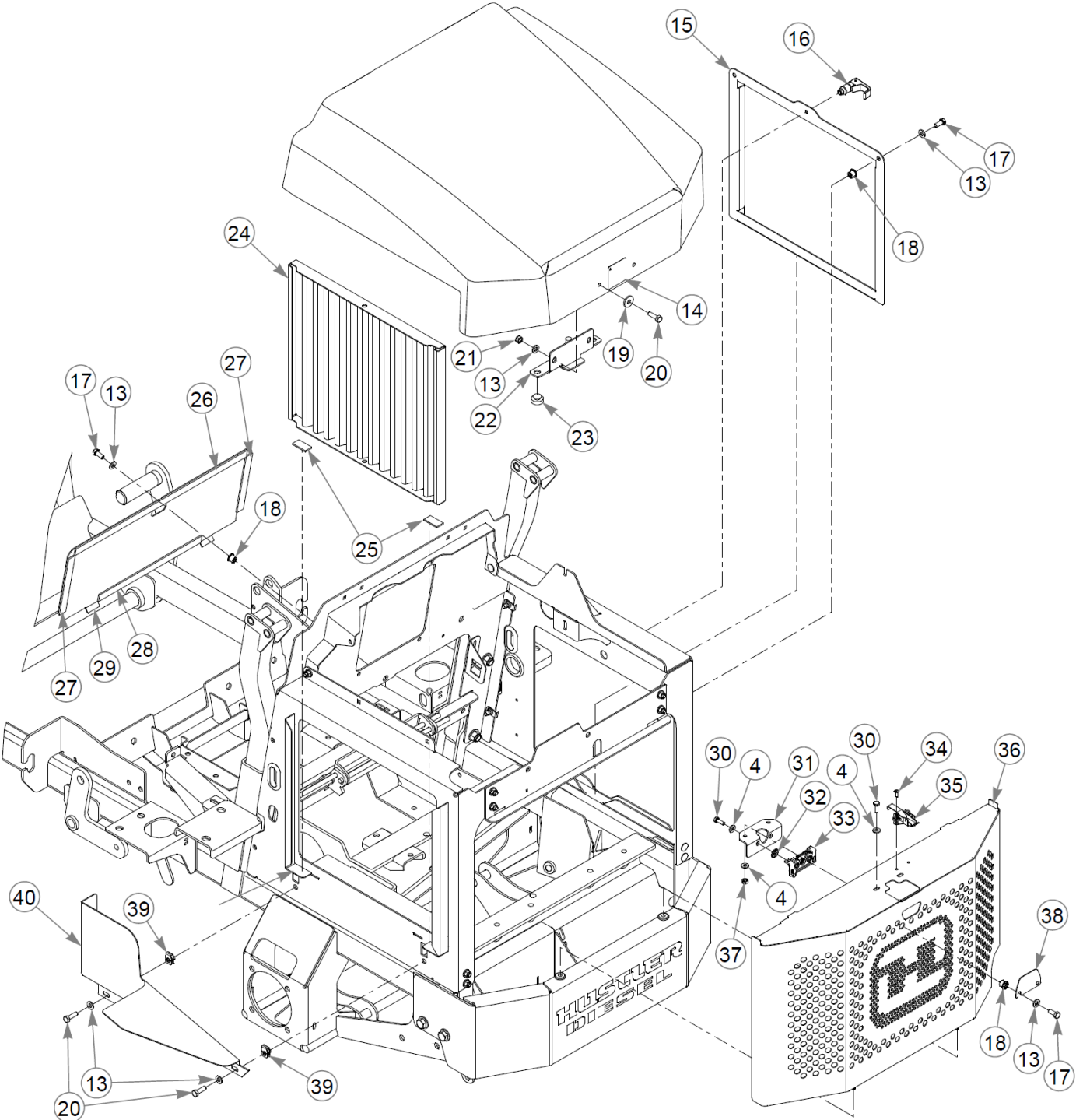
## Footrest

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 551139   | 1   | FLOORPAN, SERVICE        |
| 2    | 602562   | 1   | DECAL, NO SERVICE        |
| 3    | 052860   | 1   | CS .375-16X1.25 HX G5 ZY |
| 4    | 767954   | 2   | FW 0.379X.82X.06 HD ZY   |
| 5    | 118900   | 1   | SPACER, DECK LIFT LINK   |
| 6    | 781880   | 4   | BUMPER, .500x 1.00x .31  |
| 7    | 086660   | 1   | NT .375-16NLG8           |



| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 601363   | 1   | HOOD, HDZ                |
| 2    | 713198   | 2   | SEAL 3/8x3/4 SOLD BY FT  |
| 3    | 068551   | 8   | NT .250-20 HXZY NL       |
| 4    | 768515   | 10  | FW 0.281SAE              |
| 5    | 601364   | 2   | HINGE, 3"X3" ZN W/ HOLES |
| 6    | 601503   | 8   | CB .250-20 X .625 ZNYC   |
| 7    | 601564   | 1   | GAS SPRING, HDZ HOOD     |
| 8    | 767954   | 2   | FW 0.379X.82X.06 HD ZY   |
| 9    | 063297   | 1   | SB0.375X0.500SH0.312-18  |
| 10   | 601379   | 1   | SB .375 X 1.50SH .312-18 |
| 11   | 109745   | 1   | LIFT SUPPORT W/A         |
| 12   | 034272   | 2   | NT .312-18HXG5           |
| 13   | 768523   | 10  | FW 0.343SAE              |
| 14   | 602562   | 3   | DECAL, NO SERVICE        |
| 15   | 109341   | 1   | SCREEN, RS W/A HDZ       |
| 16   | 791384   | 1   | LATCH, HEAVY DUTY SWELL  |
| 17   | 034280   | 4   | CS .312-18X0.750HXG5     |
| 18   | 808485   | 4   | RIVET NUT, 5/16-18 THRE  |
| 19   | 712927   | 2   | FW 0.344X1.00X.12 HD ZY  |
| 20   | 036236   | 4   | CS .312-18X1.250HXG5     |
| 21   | 058776   | 2   | NT .312-18NLG5           |
| 22   | 109722   | 1   | LATCH STRIKER W/A        |
| 23   | 781880   | 2   | BUMPER, .500x 1.00x .31  |
| 24   | 109137   | 1   | RADIATOR SCREEN W/A HDZ  |
| 25   | 033035   | 2   | WEATHERSTRIP .12X.75     |
| 26   | 033035   | 1   | WEATHERSTRIP .12X.75     |
| 27   | 033035   | 2   | WEATHERSTRIP .12X.75     |
| 28   | 033035   | 1   | WEATHERSTRIP .12X.75     |
| 29   | 109136   | 1   | PANEL, FIREWALL ACCESS   |
| 30   | 055939   | 4   | CS .250-20X0.75 HX G5 ZY |
| 31   | 124364-1 | 1   | LATCH BRACKET            |
| 32   | 029868   | 2   | LW .250 INTEXT ZY        |
| 33   | 601373   | 1   | LATCH, SLAM SOUTHCO      |
| 34   | 601089   | 2   | RIVET .188 DIA BLK HD    |
| 35   | 758821   | 1   | OVER CNTR CATCH W/LCK H  |
| 36   | 109413   | 1   | COVER, REAR W/A HDZ      |

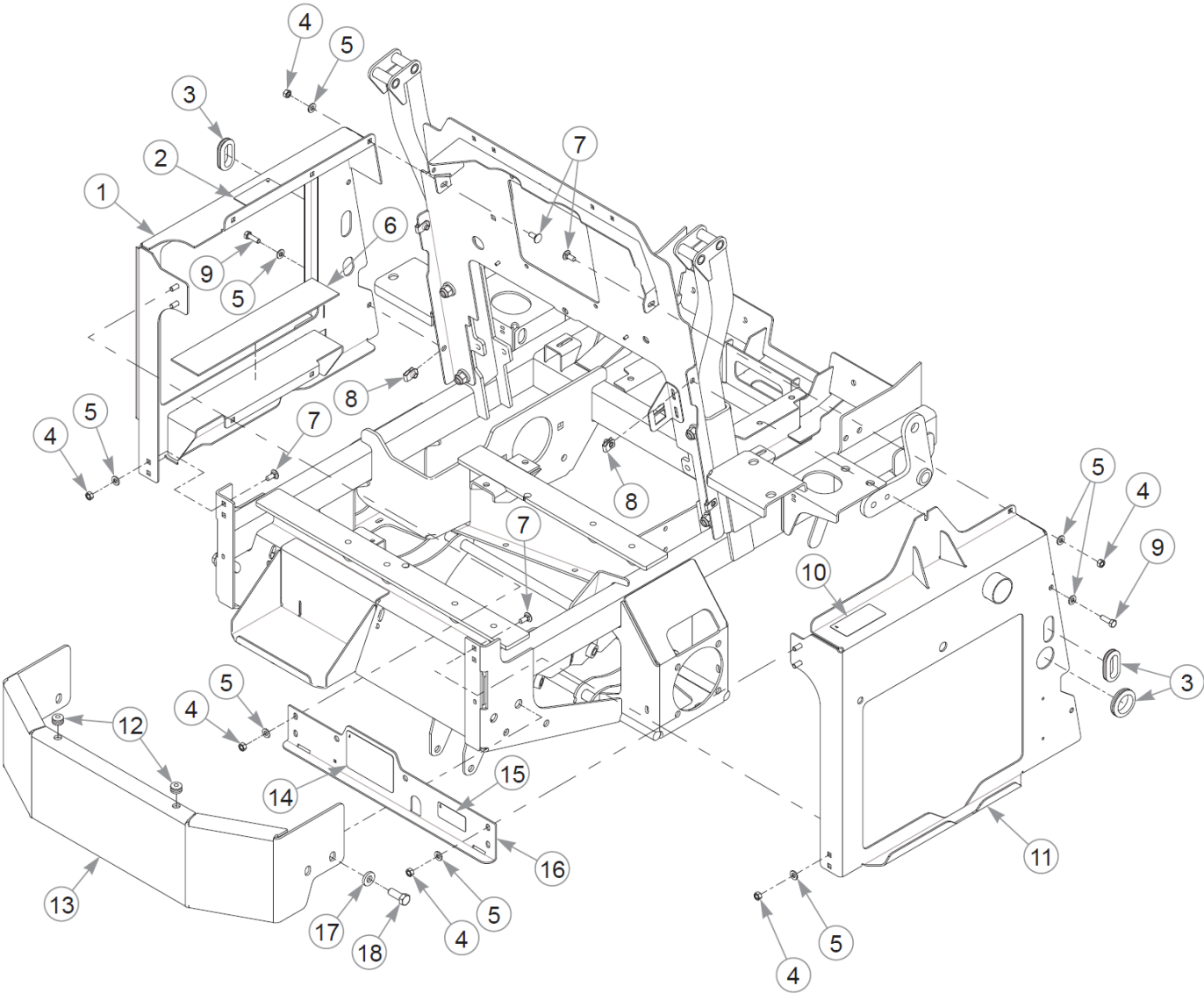




## Engine Cover (Multi-Page)

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item | Part No. | Qty | Name                    |
|------|----------|-----|-------------------------|
| 37   | 024927   | 2   | NT .250-20HXG5          |
| 38   | 109720   | 1   | PLATE, LATCH COVER LOCK |
| 39   | 601069   | 2   | CN .312-18x.200 MAX THK |
| 40   | 109559   | 1   | FENDER, INNER PANEL     |



## Radiator & Air Cleaner Support

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

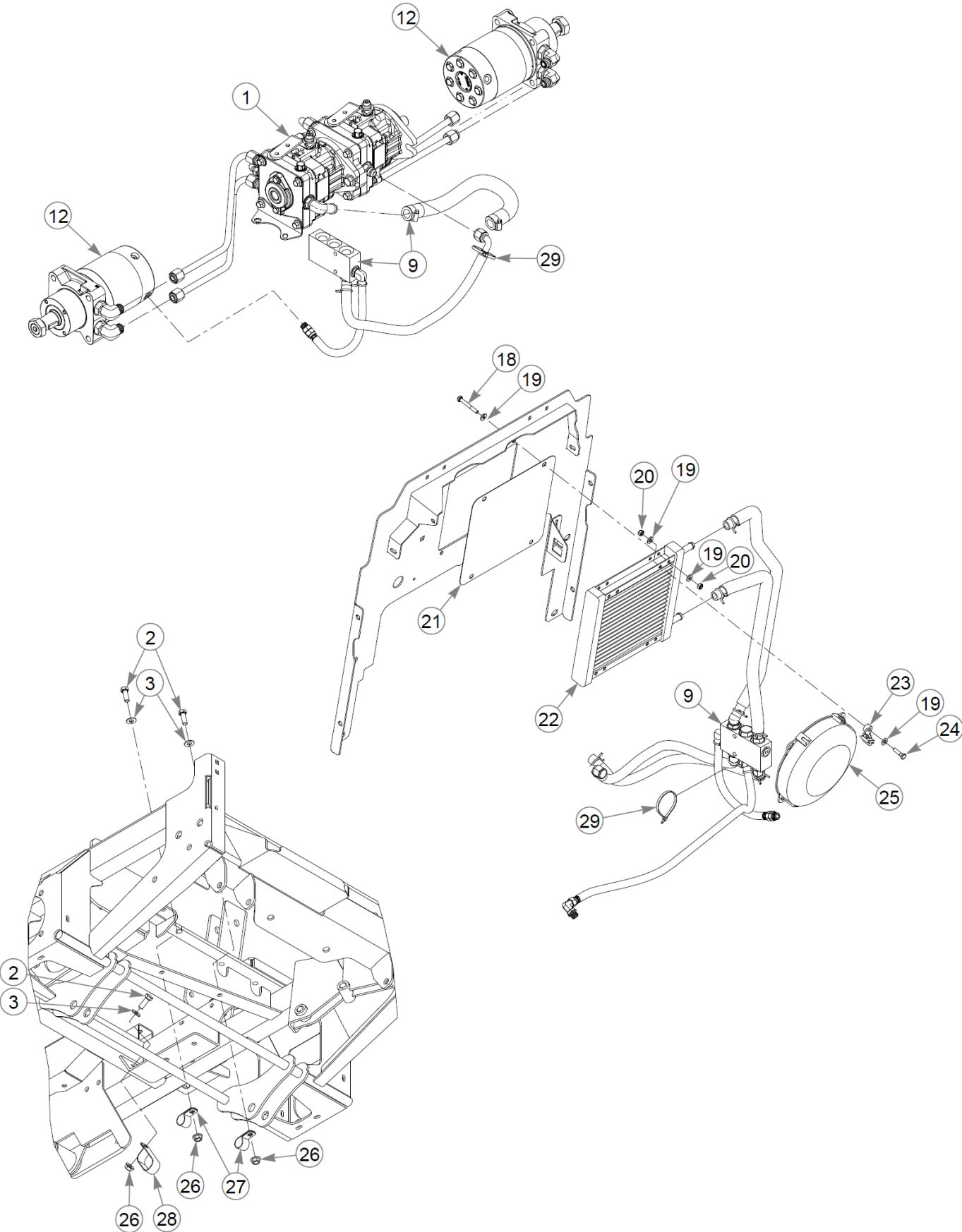
| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 551141   | 1   | RADIATOR SUPPORT,        |
| 2    | 763805CE | 1   | FAN WARNING DECAL        |
| 3    | 794644   | 3   | GM 1.50 X 2.12 X 1.75    |
| 4    | 034272   | 10  | NT .312-18HXG5           |
| 5    | 768523   | 14  | FW 0.343SAE              |
| 6    | 601558   | 1   | RADIATOR SUPPORT PAD     |
| 7    | 016253   | 6   | CB .312-18X .750 FUL ZN  |
| 8    | 601069   | 4   | CN .312-18x.200 MAX THK  |
| 9    | 036236   | 4   | CS .312-18X1.250HXG5     |
| 10   | 601967   | 1   | DECAL, ENGINE COMPART    |
| 11   | 551142   | 1   | AIR CLEANER MOUNT,       |
| 12   | 031666   | 2   | GM .31X.81X.56X.18       |
| 13   | 109105   | 1   | GUARD, REAR ENGINE W/A   |
| 14   | 601815   | 1   | DECAL, BATTERY WARNINGS  |
| 15   | 602041   | 1   | DECAL, HOT               |
| 16   | 551143   | 1   | OVERFLOW BOTTLE MOUNT    |
| 17   | 767962   | 4   | FW .531 x 1.063 x .175   |
| 18   | 705954   | 4   | CS .500-13X1.25 HX G5 ZY |

Comments for Page: Radiator & Air Cleaner Support

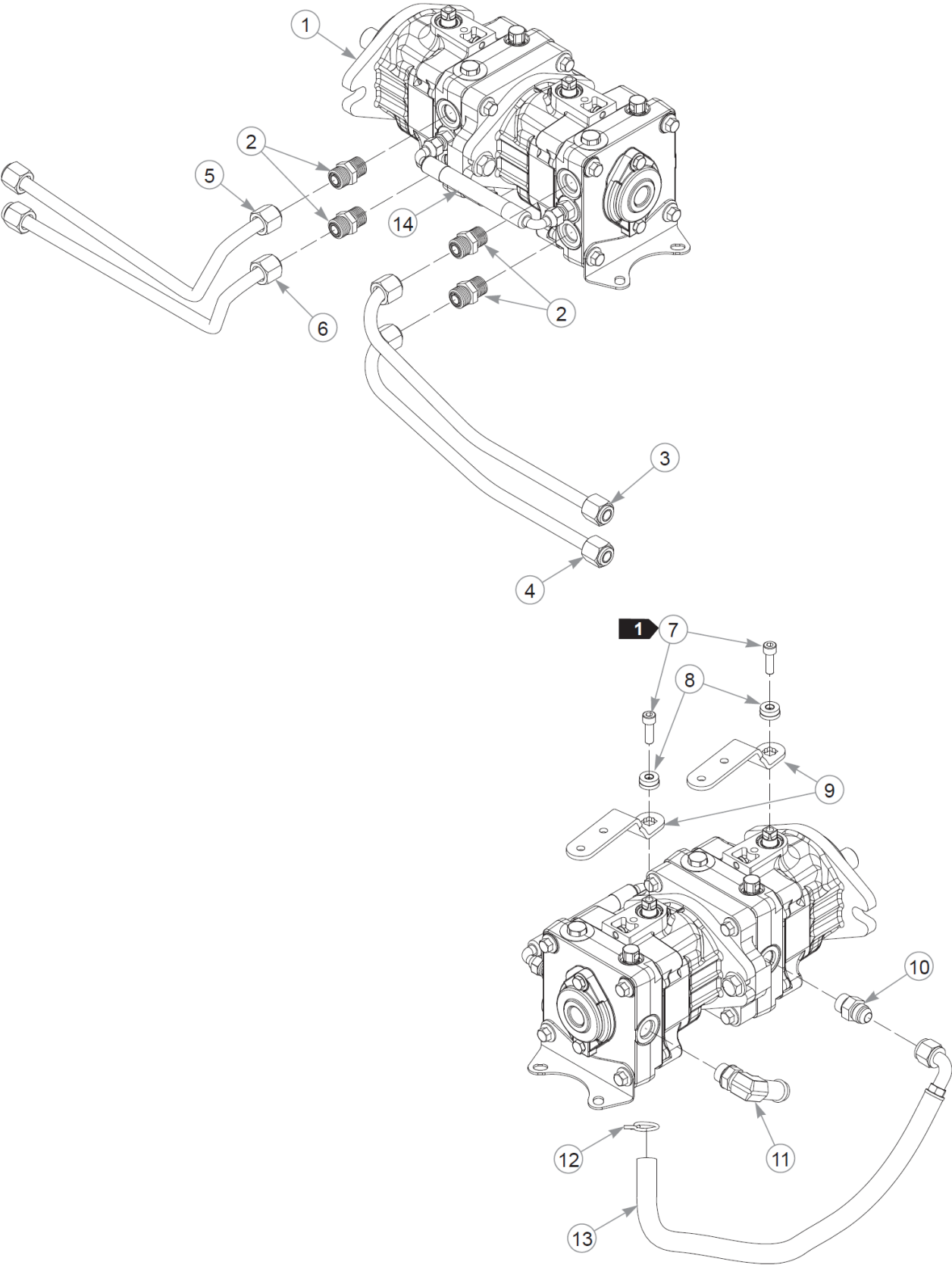
1. The radiator screen, air cleaner mounting panel and hood support angle include decals.



| Item | Part No. | Qty | Name                                      |
|------|----------|-----|-------------------------------------------|
| 1    |          | 1   | REFER TO "PUMP ASSEMBLY BREAKDOWN"        |
| 2    | 036244   | 5   | CS .375-16X1.00 HX G5 ZY                  |
| 3    | 767954   | 7   | FW 0.379X.82X.06 HD ZY                    |
| 4    |          | 1   | REFER TO "RESERVOIR ASSEMBLY BREAKDOWN"   |
| 5    | 036236   | 4   | CS .312-18X1.250HXG5                      |
| 6    | 768523   | 12  | FW 0.343SAE                               |
| 7    | 008193   | 2   | NT .500-13HXG5                            |
| 8    | 767962   | 10  | FW .531 x 1.063 x .175                    |
| 9    |          | 1   | REFER TO "MANIFOLD ASSEMBLY BREAKDOWN"    |
| 10   | 034272   | 6   | NT .312-18HXG5                            |
| 11   | 023317   | 8   | NT .500-13UNTG8                           |
| 12   |          | 2   | REFER TO "WHEEL MOTOR ASSEMBLY BREAKDOWN" |
| 13   | 064345   | 2   | CS .312-18X2.000HXG5                      |
| 14   | 028274   | 2   | CB .500-13X 1.500 FULL                    |
| 15   | 115816   | 2   | GUSSET, INT                               |
| 16   | 602256   | 8   | CS .500-13X2.500 SQ G5                    |
| 17   | 054502   | 2   | NT .375-16HXG5                            |
| 18   | 704163   | 4   | CS .250-20X2.000HXG5                      |
| 19   | 768515   | 16  | FW 0.281SAE                               |
| 20   | 068551   | 8   | NT .250-20 HXZY NL                        |
| 21   | 109401   | 1   | SCREEN, OIL COOLER                        |
| 22   | 601356   | 1   | OIL COOLER FOR 8" FAN                     |
| 23   | 601538   | 4   | FOOT, ELECTRIC FAN                        |
| 24   | 056077   | 4   | CS .250-20X1.000HXG5                      |
| 25   | 601357   | 1   | FAN, ELECTRIC 8" 12VDC                    |
| 26   | 016899   | 3   | NT .375-16 FLKG5                          |
| 27   | 043570   | 2   | CLIP - HOSE - SINGLE(FS)                  |
| 28   | 045088   | 1   | HOSE CLAMP 1" (FS)                        |
| 29   | 000331   | 2   | WIRE TIE, SMALL/SHORT                     |



This page intentionally left blank

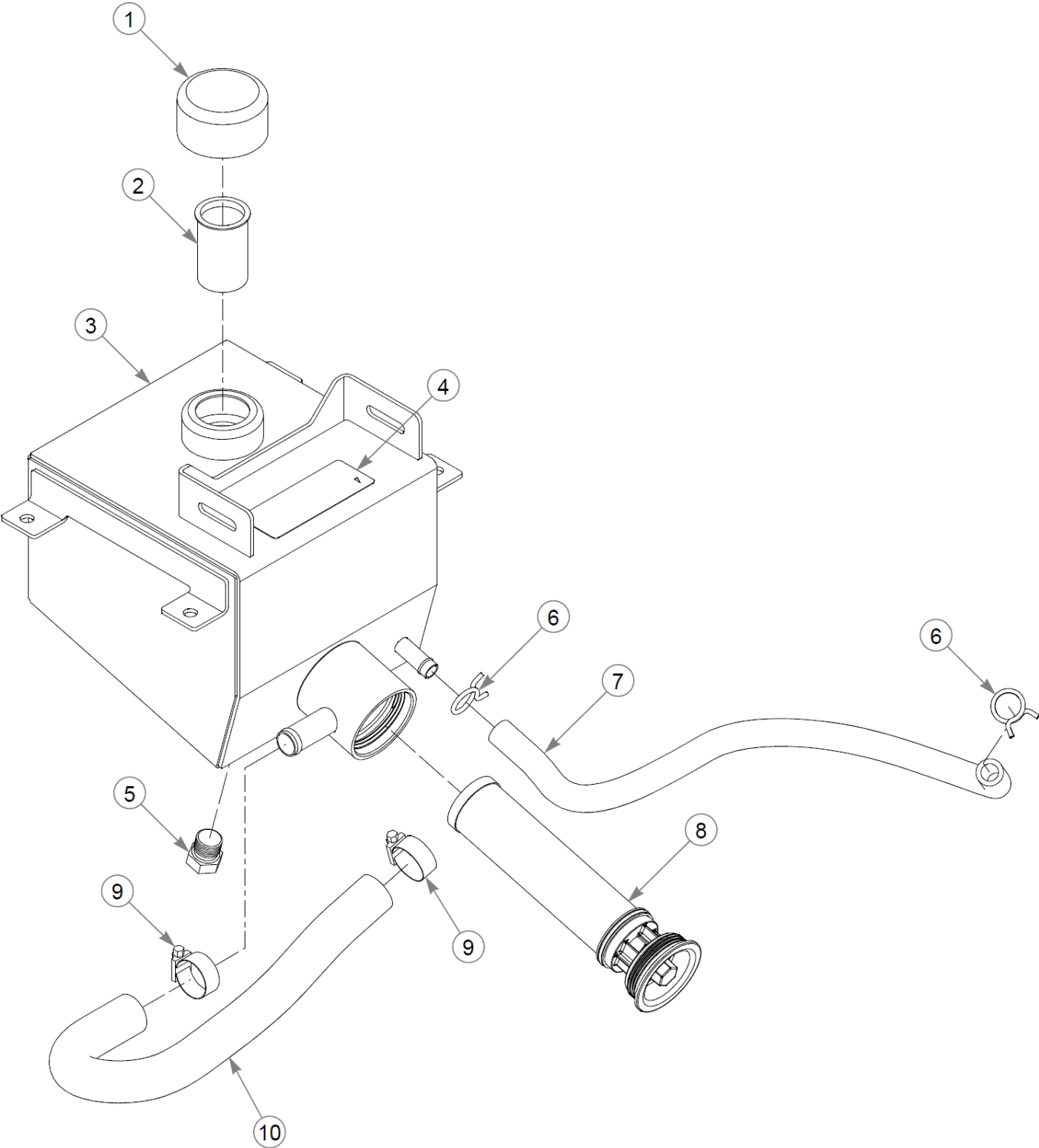




## Pump Assembly Breakdown

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

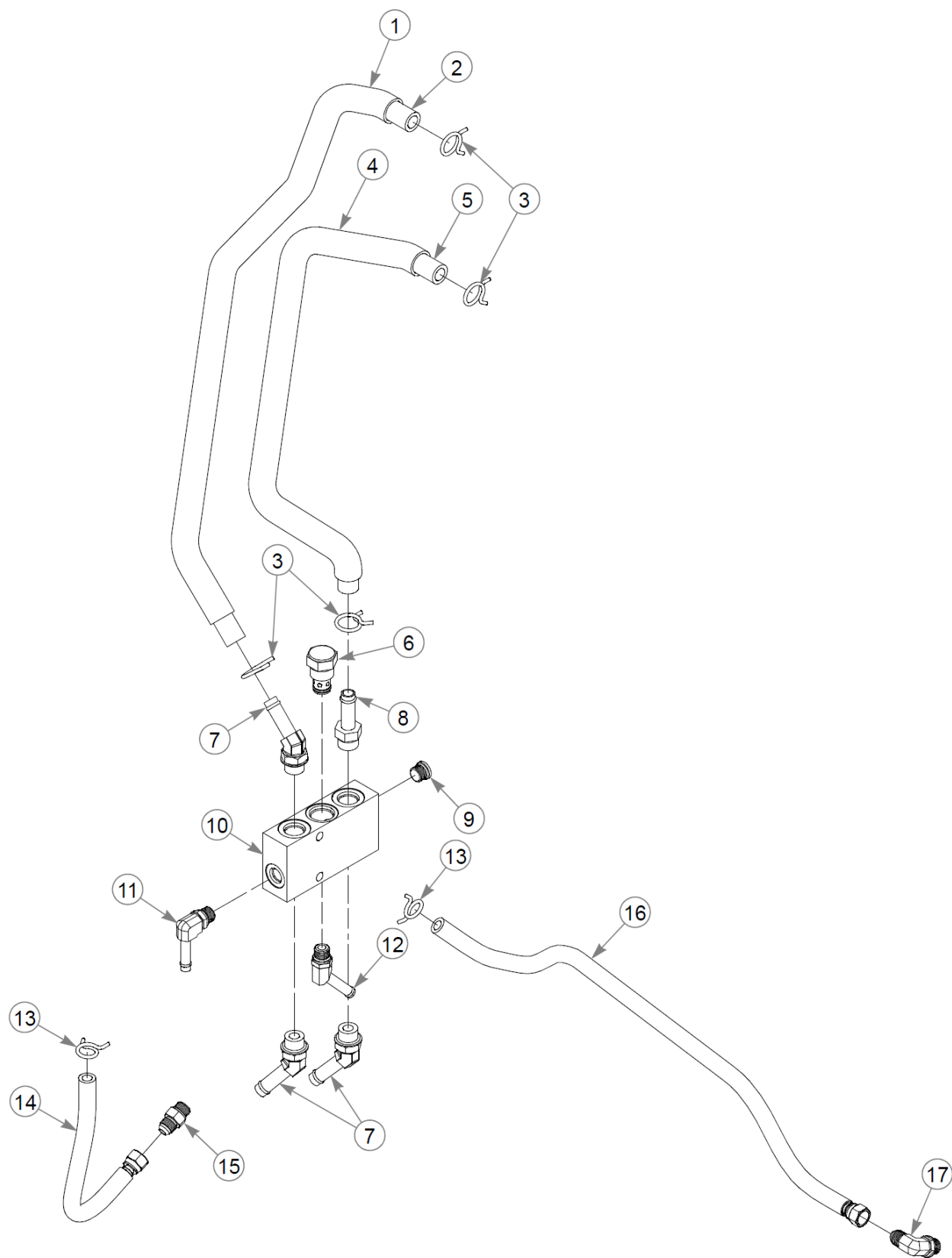
| Item      | Part No. | Qty | Name                    |
|-----------|----------|-----|-------------------------|
| 1         | 603650   | 1   | PUMP, 21CC TANDEM       |
| Not Shown | 600934   | 1   | SEAL KIT, HG TANDEM 21  |
| 2         | 781534   | 4   | FTG, STR-8MORB/-8MS     |
| 3         | 603701   | 1   | TUBE, TP-TM RH LOOP     |
| 4         | 603700   | 1   | TUBE, BP-BM RH LOOP     |
| 5         | 603699   | 1   | TUBE, TP-TM, LH LOOP    |
| 6         | 603698   | 1   | TUBE, BP-BM LH LOOP     |
| 7         | 795377   | 2   | CS M8-1.25x25 SH BO NY  |
| 8         | 795369   | 2   | RETAINER, PUMP ARM HYDR |
| 9         | 109118   | 2   | PUMP ARM, HDZ           |
| 10        | 771337   | 1   | FTG,STR-8MORB/-8MJIC    |
| 11        | 601524   | 1   | FTG, -8MORB/-12 BEAD    |
| 12        | 601001   | 1   | SPRING CLAMP, .75" DIA  |
| 13        | 601520   | 1   | HOSE, CASE DRAIN PUMP   |
| 14        | 796060   | 1   | HOSE,LP PUMP TO PUMP    |



## Hydraulic Filter and Reservoir Assembly Breakdown

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

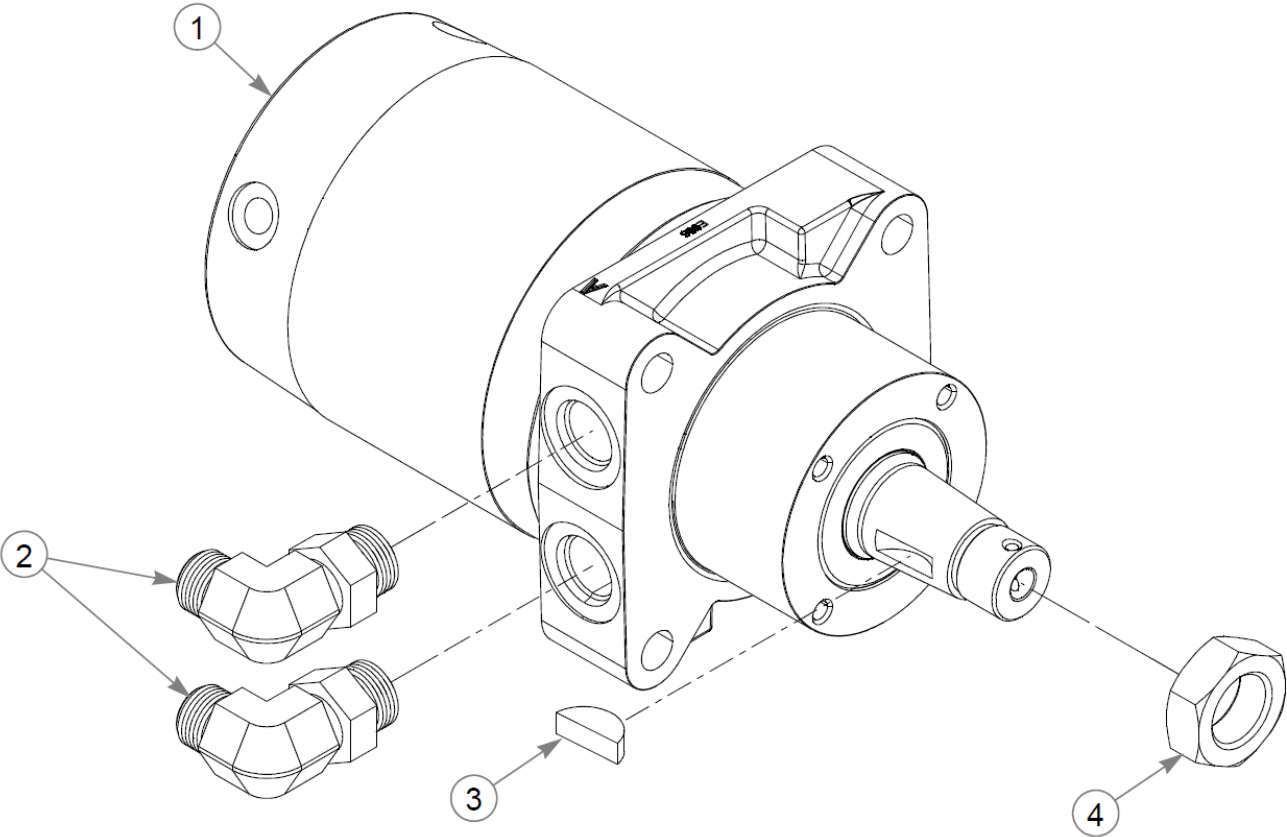
| Item | Part No. | Qty | Name                                  |
|------|----------|-----|---------------------------------------|
| 1    | 032763   | 1   | CAP, BREATHER                         |
| 2    | 032771   | 1   | STRAINER                              |
| 3    | 549345   | 1   | RESERVOIR W/A HDZ                     |
| 4    | 779280   | 1   | DECAL, HOT & HYD OIL                  |
| 5    | 781658   | 1   | FTG, -8MORB/HEX PLUG                  |
| 6    | 601001   | 2   | SPRING CLAMP, .75" DIA                |
| 7    | 601570   | 1   | HOSE, RETURN MANI BLOCK               |
| 8    | 601413X  | 1   | FILTER ELEMENT (HYDRAULIC OIL FILTER) |
| 9    | 700484   | 2   | CLAMP, HOSE (FS)                      |
| 10   | 601517   | 1   | HOSE, SUCTION HDZ HYDRO               |



## Manifold Assembly Breakdown

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

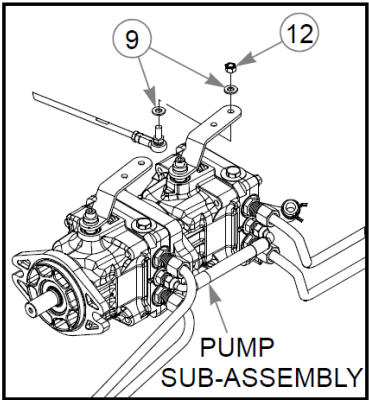
| Item | Part No. | Qty | Name                    |
|------|----------|-----|-------------------------|
| 1    | 601583   | 1   | HOSE GUARD, BLOCK TO    |
| 2    | 601521   | 1   | HOSE, MANIFOLD BLOCK    |
| 3    | 601001   | 4   | SPRING CLAMP, .75" DIA  |
| 4    | 601584   | 1   | HOSE GUARD, COOLER TO   |
| 5    | 601522   | 1   | HOSE, RETURN COOLER     |
| 6    | 601568   | 1   | VALVE, CARTRIDGE CHECK  |
| 7    | 601592   | 3   | FTG, -8MORB/-8BEAD      |
| 8    | 601523   | 1   | FTG, -8MORB/-8BT STR    |
| 9    | 601569   | 1   | FTG, PLUG -8MORB/HEX    |
| 10   | 601476   | 1   | MANIFOLD, CASE DRAIN    |
| 11   | 787465   | 1   | FTG, 90°-6MORB/-6BT     |
| 12   | 784108   | 1   | FTG, 45°-6MORB/-6BT     |
| 13   | 601617   | 2   | SPRING CLAMP, 5/8" DIA. |
| 14   | 603697   | 1   | HOSE, CASE DRAIN RIGHT  |
| 15   | 779132   | 1   | FTG, -6MORB/-6MJIC STR  |
| 16   | 603722   | 1   | HOSE, CASE DRAIN LEFT   |
| 17   | 795922   | 1   | FTG, 90-6MORB/-6MJI     |



## Wheel Motor Breakdown

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item                                  | Part No. | Qty | Name                    |
|---------------------------------------|----------|-----|-------------------------|
| 1                                     | 603663   | 1   | MOTOR, PARKER TG0335    |
| Comments for Part Num. 603663         |          |     |                         |
| Wheel Motor includes 065516 ROSS NUT. |          |     |                         |
| 2                                     | 781526   | 2   | FTG, 90°-10MORB/-8MORFS |
| 3                                     | 064337   | 1   | ROSS WOODRUFF KEY       |
| 4                                     | 065516   | 1   | ROSS NUT                |
| 5                                     | 748806   | 1   | ROSS VITON SEAL KIT     |





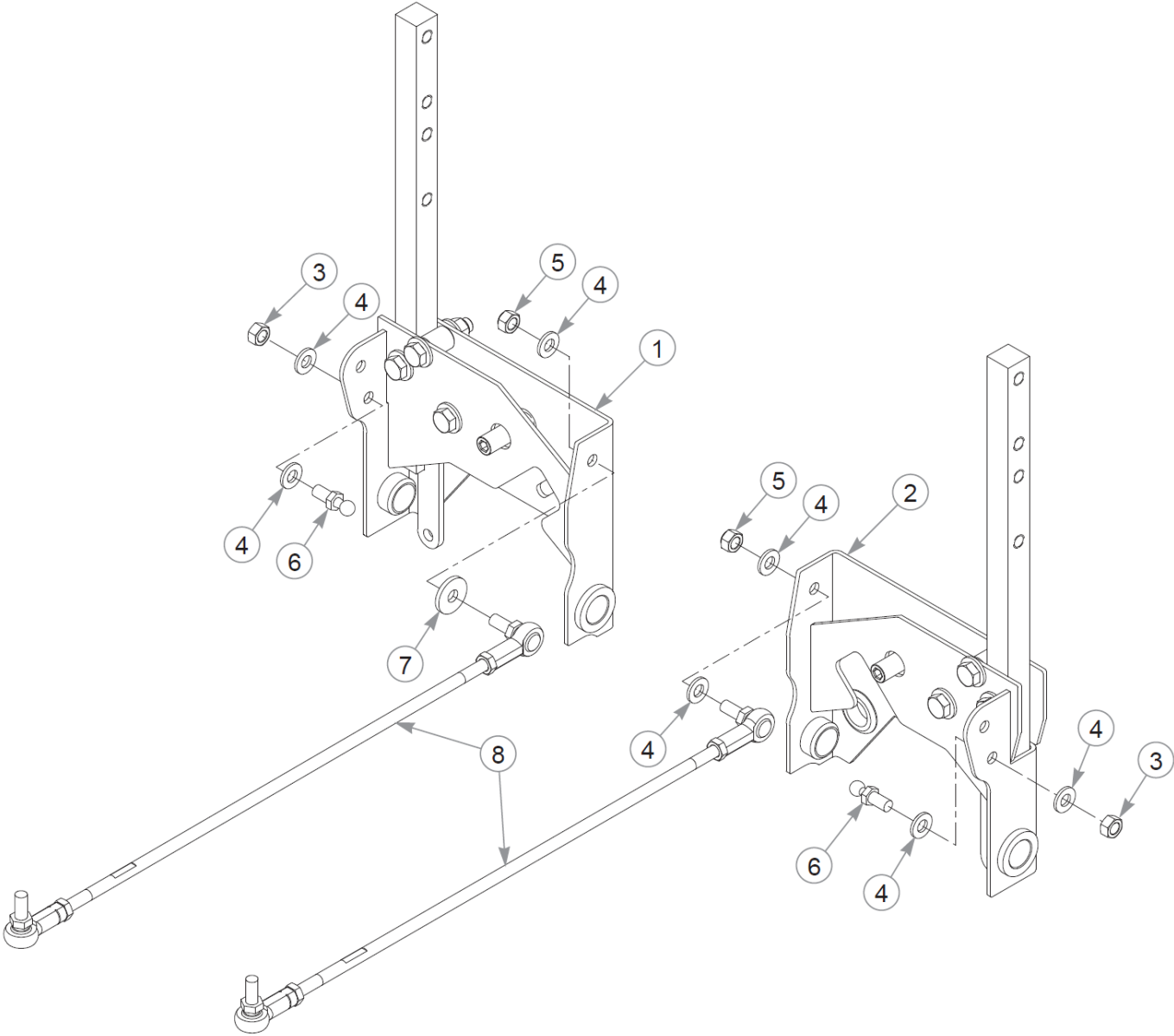
## Steering

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

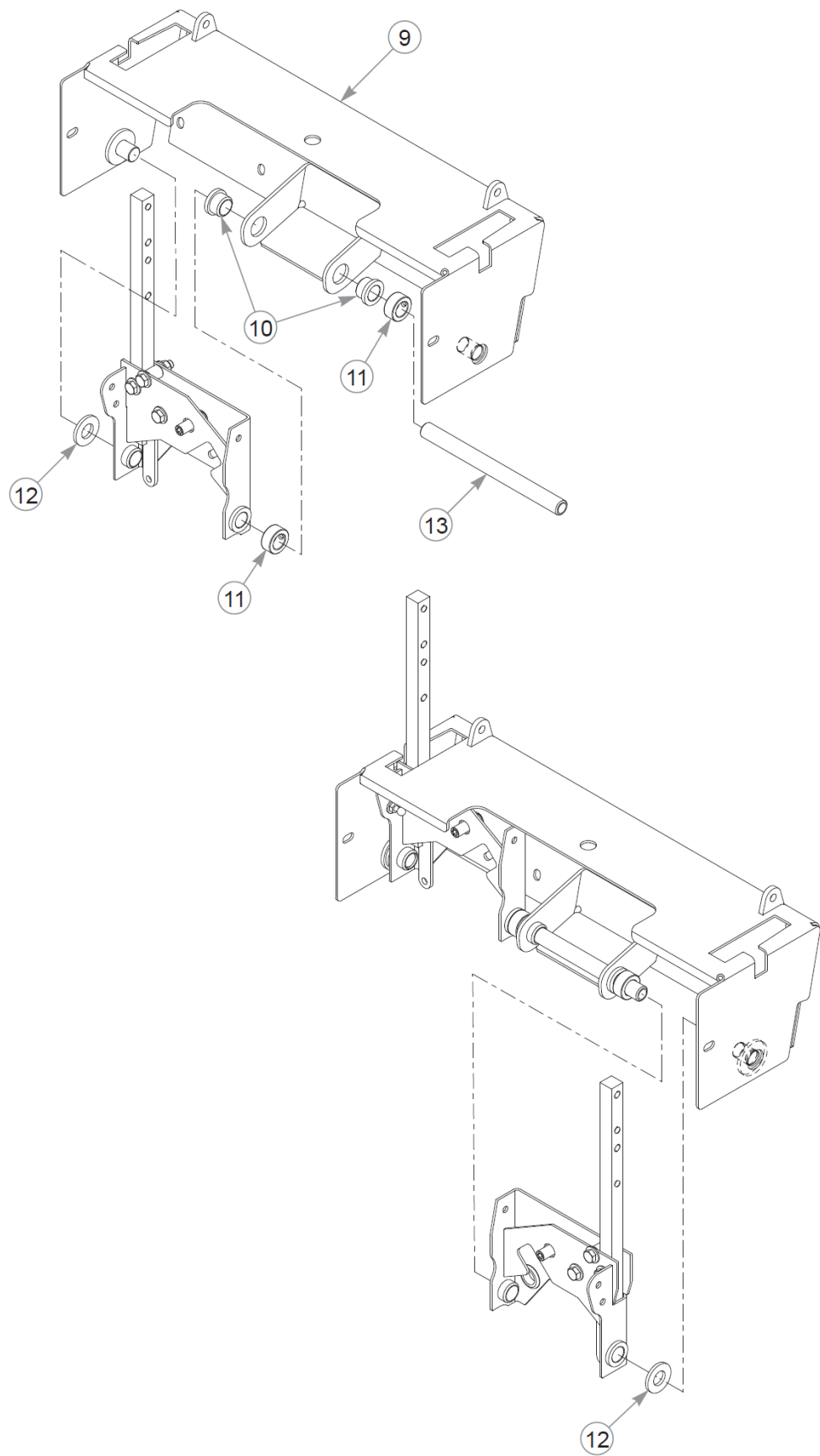
| Item      | Part No. | Qty | Name                     |
|-----------|----------|-----|--------------------------|
| 1         | 109839   | 2   | HANDLE, Z W/A            |
| Not Shown | 781260   | 2   | GRIP, STEERING BAR       |
| 2         | 036244   | 4   | CS .375-16X1.00 HX G5 ZY |
| 3         | 767954   | 16  | FW 0.379X.82X.06 HD ZY   |
| 4         | 055822   | 6   | CS .375-16X0.75 HX G5 ZY |
| 5         | N/A      | 1   | STEERING COVER ASSEMBLY  |
| 6         | 054502   | 6   | NT .375-16HXG5           |
| 7         | 795351   | 2   | DAMPER, CENTERING        |
| 8         | 781922   | 2   | BALL STUD                |
| 9         | 768523   | 6   | FW 0.343SAE              |
| 10        | 029876   | 2   | LW .312 INTEXT ZY        |
| 11        | 016832   | 2   | NT .312-18FLKG5          |
| 12        | 023655   | 2   | NT 0.312-24 NL G8        |
| 13        | 601087   | 2   | SWITCH, PLUNGER N.O.     |

Comments for Page: Steering

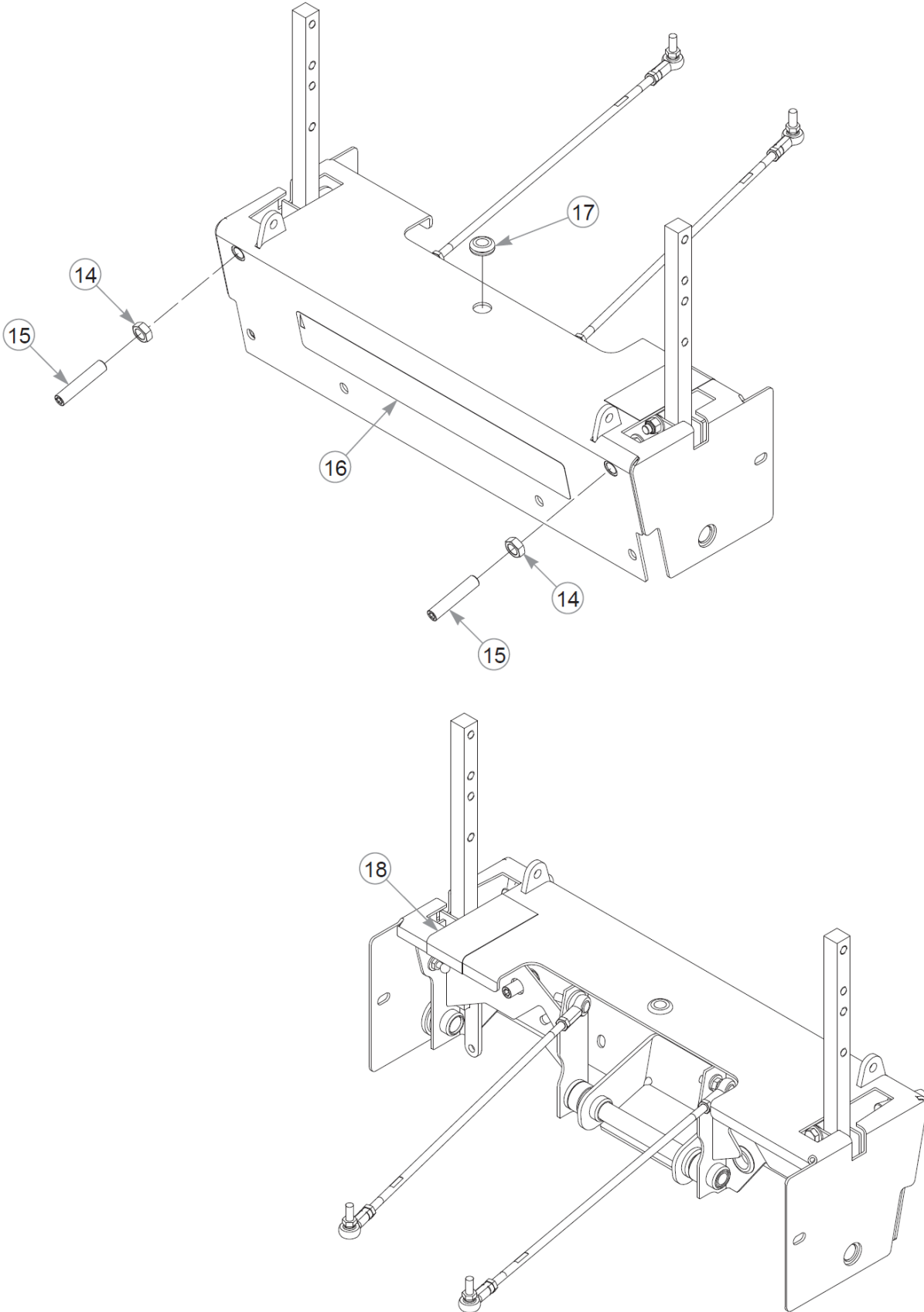
1. The steering handle includes the grip.



| Item | Part No. | Qty   | Name                     |
|------|----------|-------|--------------------------|
| 1    | N/A      | 1     | LS STEERING BOX ASSEMBLY |
| 2    | N/A      | 1     | RS STEERING BOX ASSEMBLY |
| 3    | 034272   | 2     | NT .312-18HXG5           |
| 4    | 768523   | 7     | FW 0.343SAE              |
| 5    | 023655   | 2     | NT 0.312-24 NL G8        |
| 6    | 781922   | 2     | BALL STUD                |
| 7    | 712927   | 1     | FW 0.344X1.00X.12 HD ZY  |
| 8    | 781286   | 2     | PUMP ROD ADJUSTER ASSY   |
| 9    | 551135   | 1     | STEERING COVER, SERVICE  |
| 10   | 781153   | 2     | BUSHING, UHMW            |
| 11   | 784439   | 2     | LOCK COLLAR,0.757 ID(FS) |
| 12   | 603078   | 2     | FW .750X1.50X.16 ZY      |
| 13   | 108813   | 1     | STEER PIVOT TUBE         |
| 14   | 053199   | 2     | NT .500-13JAMG5          |
| 15   | 603055   | 2     | SS .500-13X 2.50 SH ZNYC |
| 16   | 605089   | 1     | DECAL, HDZ               |
| 17   | 080358   | 1     | GM .50X1.00X.75X.12      |
| 18   | 722199   | 14 cm | POLYURETHANE 2" (FS)     |



This page intentionally left blank

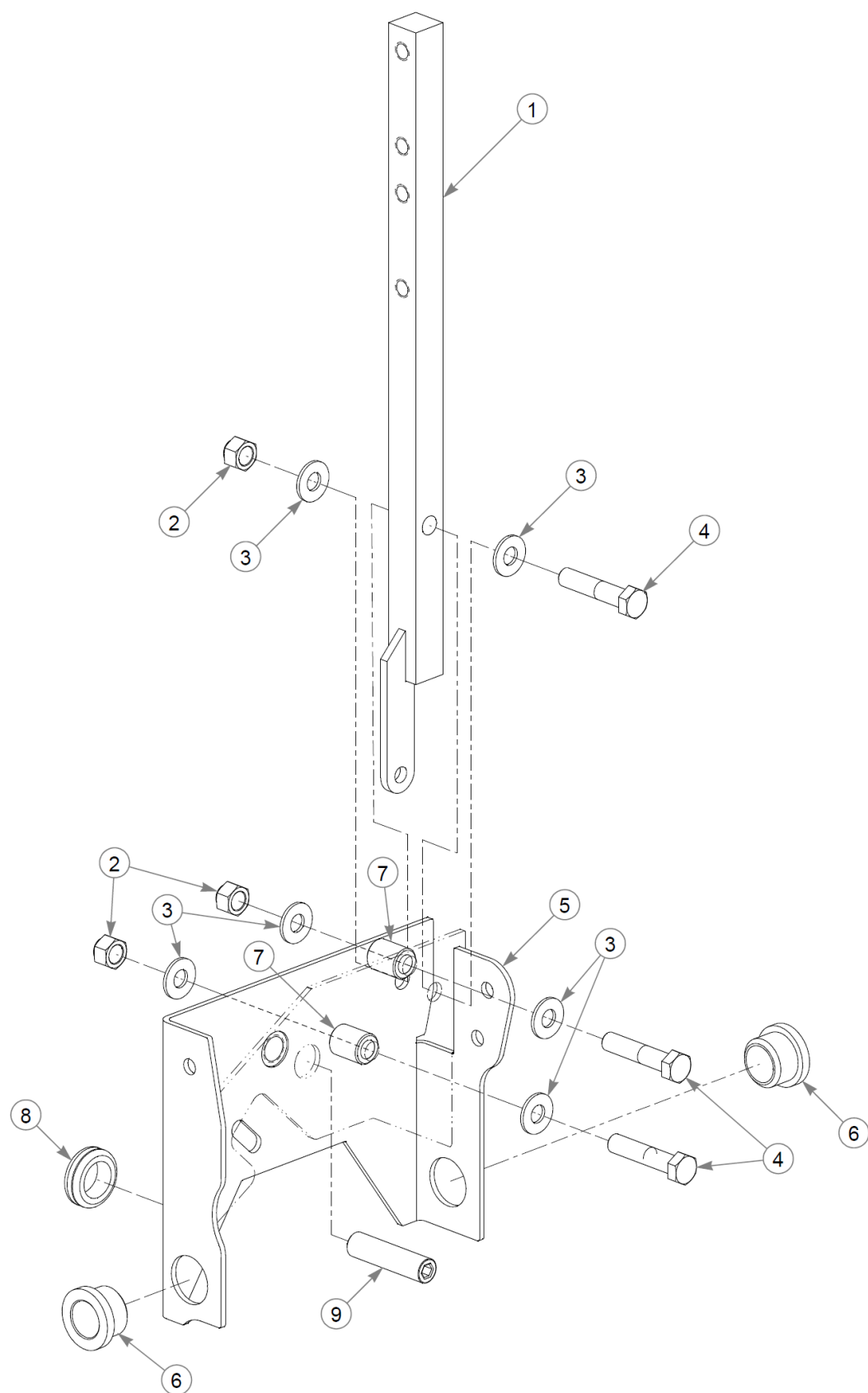


## Steering Cover Assembly (Multi-Page)

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

Comments for Page: Steering Cover Assembly (Multi-Page)

1. The steering cover includes the decal.





## RS Steering Box Assembly Breakdown

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item | Part No. | Qty | Name                    |
|------|----------|-----|-------------------------|
| 1    | NSS      | 1   | STEERING ARM W/A        |
| 2    | 086660   | 3   | NT .375-16NLG8          |
| 3    | 767954   | 6   | FW 0.379X.82X.06 HD ZY  |
| 4    | 705178   | 3   | CS .375-16X1.750HXG5    |
| 5    | 112898   | 1   | STEERING BOX W/A, RH    |
| 6    | 781153   | 2   | BUSHING, UHMW           |
| 7    | 348862   | 2   | STEERLEVER BUSHING (PLA |
| 8    | 047456   | 1   | GM .750X.188X1.00X.12   |
| 9    | 797738   | 1   | SS .500-13X2.000SH      |

Comments for Page: RS Steering Box Assembly Breakdown

1. Torque all hardware to 33 ft-lbs  $\pm$  10%.

## 72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC



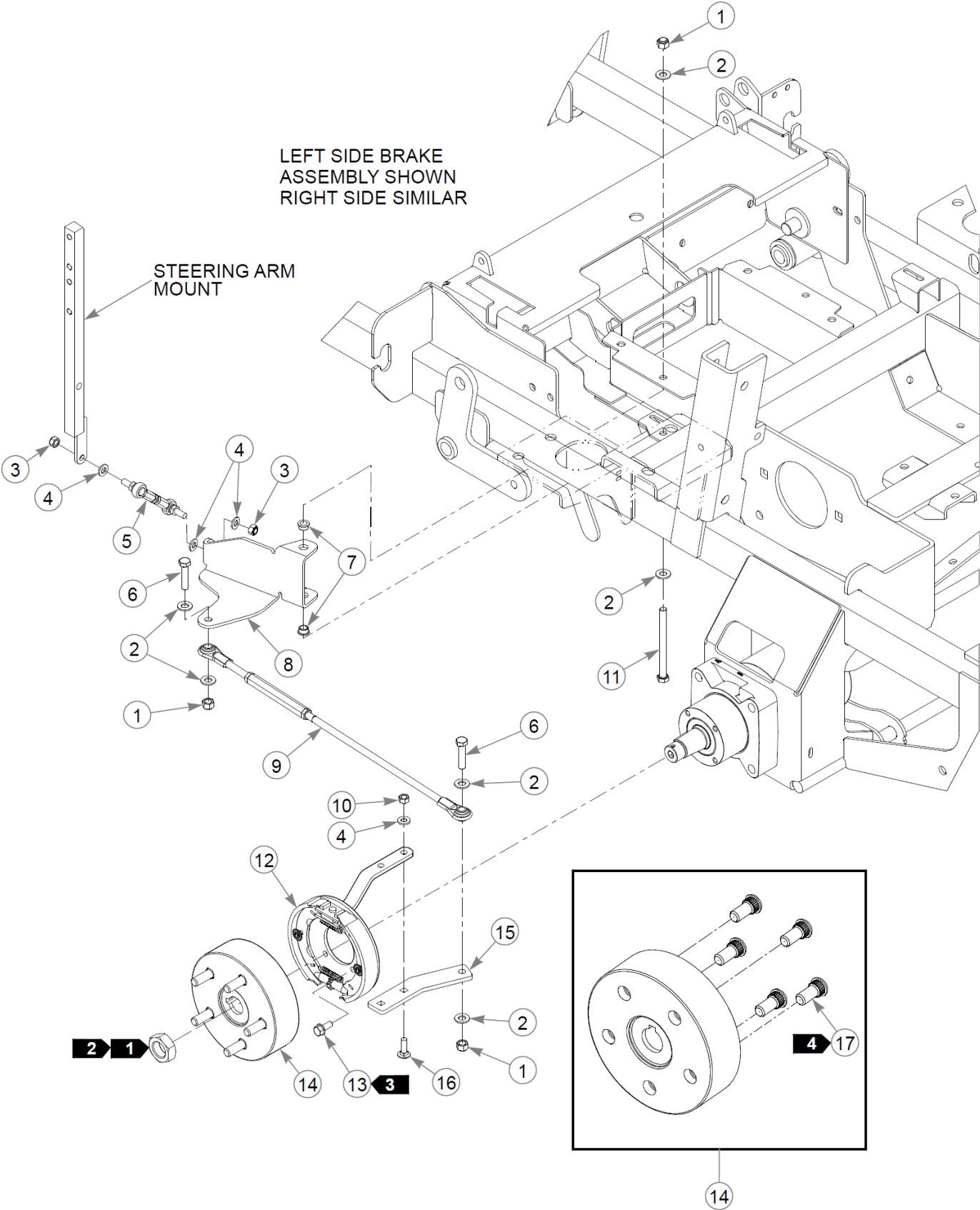
## LS Steering Box Assembly Breakdown

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item | Part No. | Qty | Name                    |
|------|----------|-----|-------------------------|
| 1    | NSS      | 1   | STEERING ARM W/A        |
| 2    | 086660   | 3   | NT .375-16NLG8          |
| 3    | 767954   | 6   | FW 0.379X.82X.06 HD ZY  |
| 4    | 705178   | 3   | CS .375-16X1.750HXG5    |
| 5    | 112899   | 1   | STEERING BOX W/A LH     |
| 6    | 781153   | 2   | BUSHING, UHMW           |
| 7    | 348862   | 2   | STEERLEVER BUSHING (PLA |
| 8    | 047456   | 1   | GM .750X.188X1.00X.12   |
| 9    | 797738   | 1   | SS .500-13X2.000SH      |

Comments for Page: LS Steering Box Assembly Breakdown

1. Torque all hardware to 33 ft-lbs  $\pm$  10%.



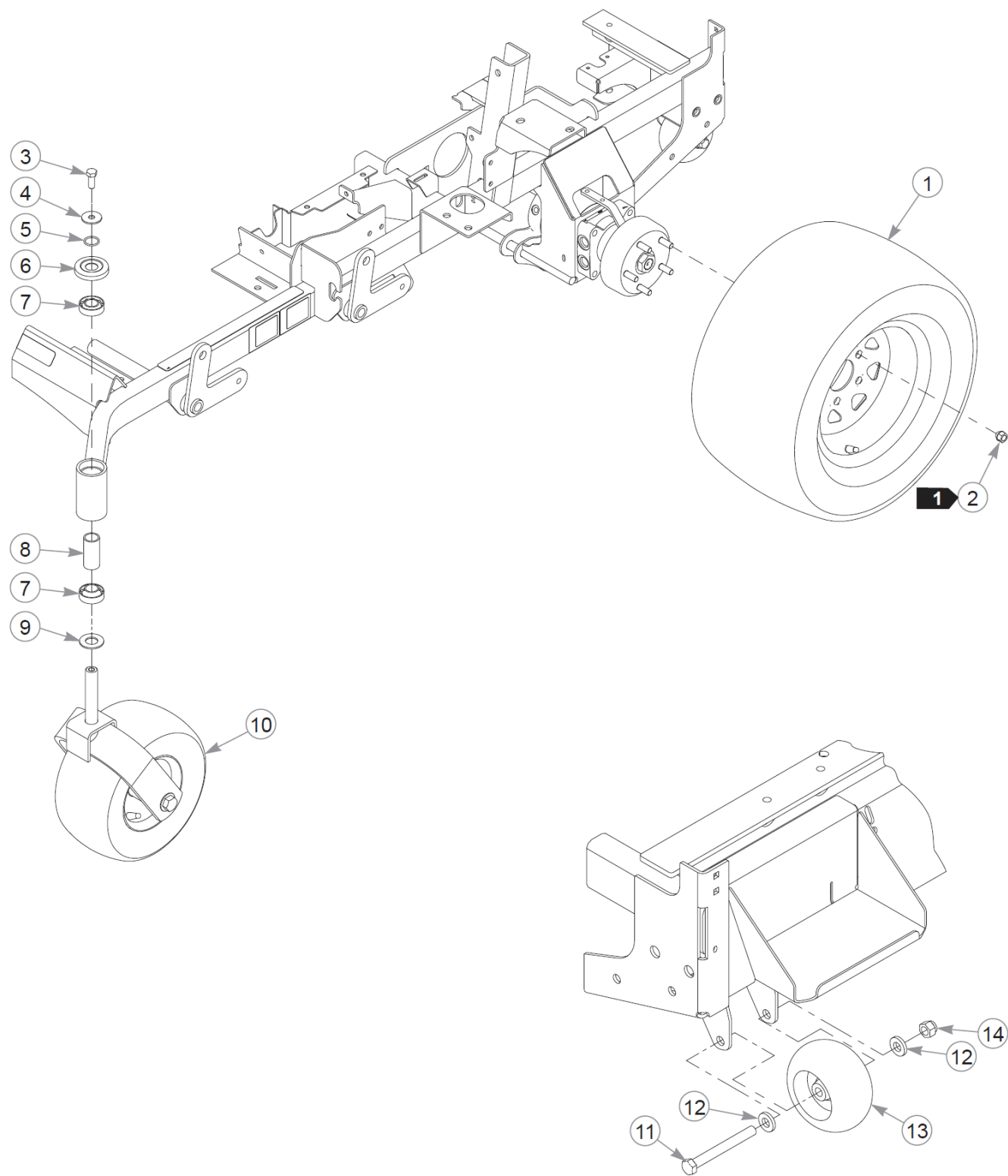
## Brake

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item      | Part No. | Qty | Name                    |
|-----------|----------|-----|-------------------------|
| 1         | 086660   | 6   | NT .375-16NLG8          |
| 2         | 767954   | 12  | FW 0.379X.82X.06 HD ZY  |
| 3         | 023655   | 4   | NT 0.312-24 NL G8       |
| 4         | 768523   | 10  | FW 0.343SAE             |
| 5         | 781583   | 2   | BRAKE ROD ASSEMBLY      |
| 6         | 080655   | 4   | CS .375-16X1.500HXG5    |
| 7         | 765339   | 4   | BUSHING,IGUS#0608 (FS)  |
| 8         | 115123   | 1   | BRAKE BELLCRANK, LS HDZ |
| Not Shown | 115124   | 1   | BRAKE BELLCRANK, RS HDZ |
| 9         | 603673   | 2   | BRAKE TURNBUCKLE ASSY   |
| 10        | 034272   | 4   | NT .312-18HXG5          |
| 11        | 052514   | 2   | CS .375-16X4.500HXG5    |
| 12        | 602383   | 2   | BRAKE ASSY, PARKER      |
| 13        | 604461   | 8   | CS .312-18X.75HXG8 FLK  |
| 14        | 602384   | 2   | HUB ASSY, PARKER        |
| 15        | 111309   | 2   | BRAKE ARM,Z4            |
| 16        | 037887   | 4   | CB .312-18X .750 FUL ZN |
| 17        | 606124   | 5   | STUD 1/2-20 X 1 1/2"    |

Comments for Page: Brake

1. Included with the wheel motor.
2. Torque to 298–325 N•m.
3. Torque to 37 N•m.
4. The hub assembly includes the studs.



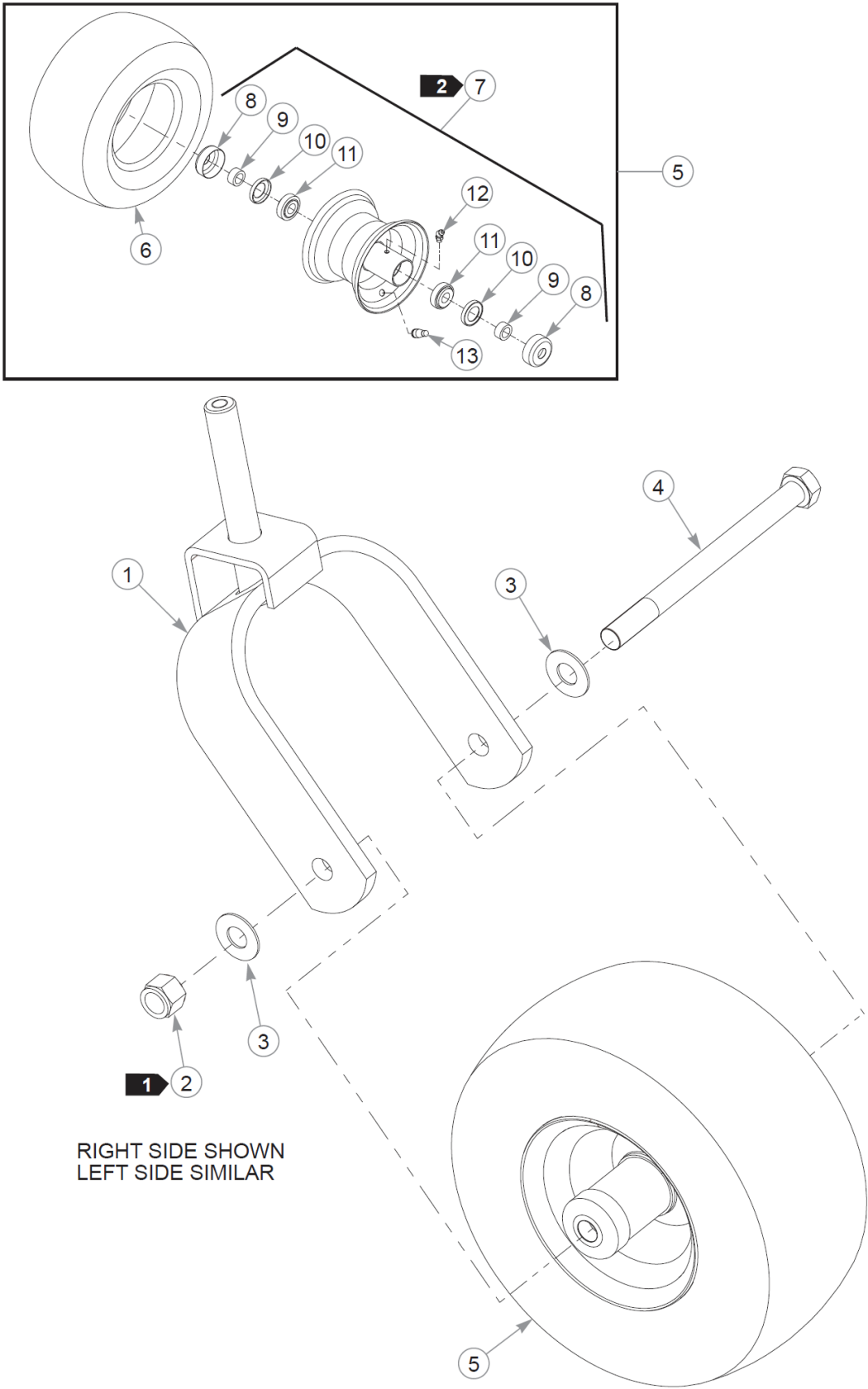
## Wheel & Tire

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 606969   | 2   | TIR/WHL 24X12.00-12 SLV  |
| 2    | 061077   | 10  | WHEEL NUT                |
| 3    | 705954   | 2   | CS .500-13X1.25 HX G5 ZY |
| 4    | 798603   | 2   | FW .515X1.65X.12 HD ZY   |
| 5    | 601375   | 2   | O-RING, SAE-14           |
| 6    | 603153   | 2   | DUST CAP, SZ CASTER      |
| 7    | 784223   | 4   | BEARING                  |
| 8    | 387035   | 2   | SPACER, 1.07x1.312x2.79  |
| 9    | 603164   | 2   | BEARING DISC, FORK       |
| 10   | N/A      | 2   | FRONT WHEEL ASSEMBLY     |
| 11   | 068239   | 2   | CS .500-13X4.500HXG5     |
| 12   | 767962   | 4   | FW .531 x 1.063 x .175   |
| 13   | 031997   | 2   | ANTI-SCALP WHEEL         |
| 14   | 781567   | 2   | NT .500-13NLG5           |

Comments for Page: Wheel & Tire

1. Torque to 88–102 N•m.





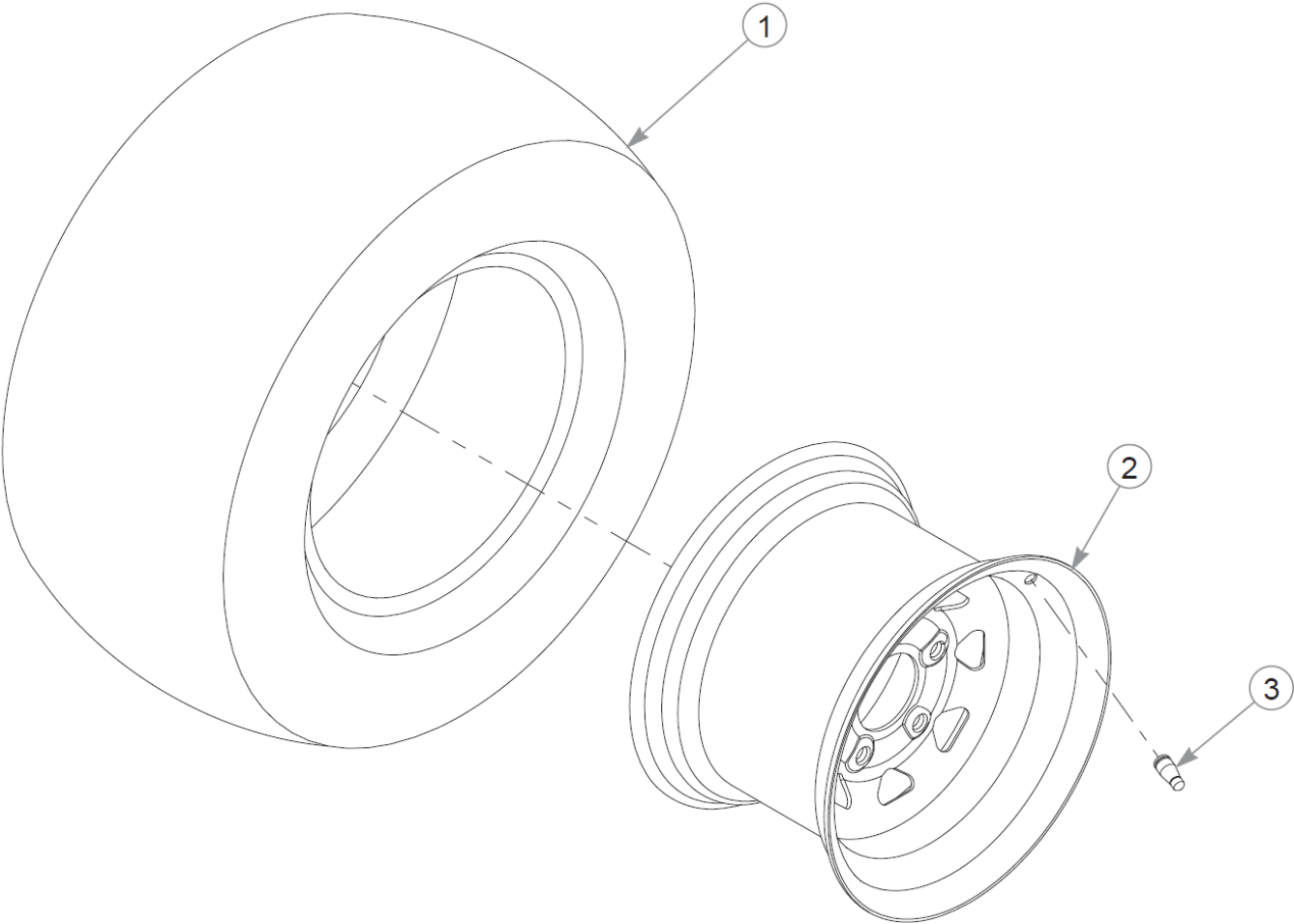
## Front Wheel Assembly Breakdown

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 113621   | 1   | FORK W/A, STANDARD       |
| 2    | 061101   | 1   | NT .750-10 HX ZY NL GR B |
| 3    | 025296   | 2   | FW .760X1.63X0.08 ZY     |
| 4    | 041475   | 1   | CS .750-10X9.50 HX G5 ZY |
| 5    | 606744   | 1   | TIR/WHL 13X6.50-6 SLV    |
| 6    | 604843   | 1   | TIR 13X6.50-6 B4R SMTH   |
| 7    | 606751   | 1   | WHL 6X4.50 SLV           |
| 8    | 606815   | 2   | DUST CAP, 0.752 ID       |
| 9    | 606778   | 2   | SPACER, 0.531            |
| 10   | 606780   | 2   | SEAL                     |
| 11   | 606753   | 2   | BEARING, TAPERED ROLLER  |
| 12   | 606126   | 1   | GREASE FITTING, M8X1.0   |
| 13   | 019521   | 1   | TIRE VALVE TR-412 GOODY  |

Comments for Page: Front Wheel Assembly Breakdown

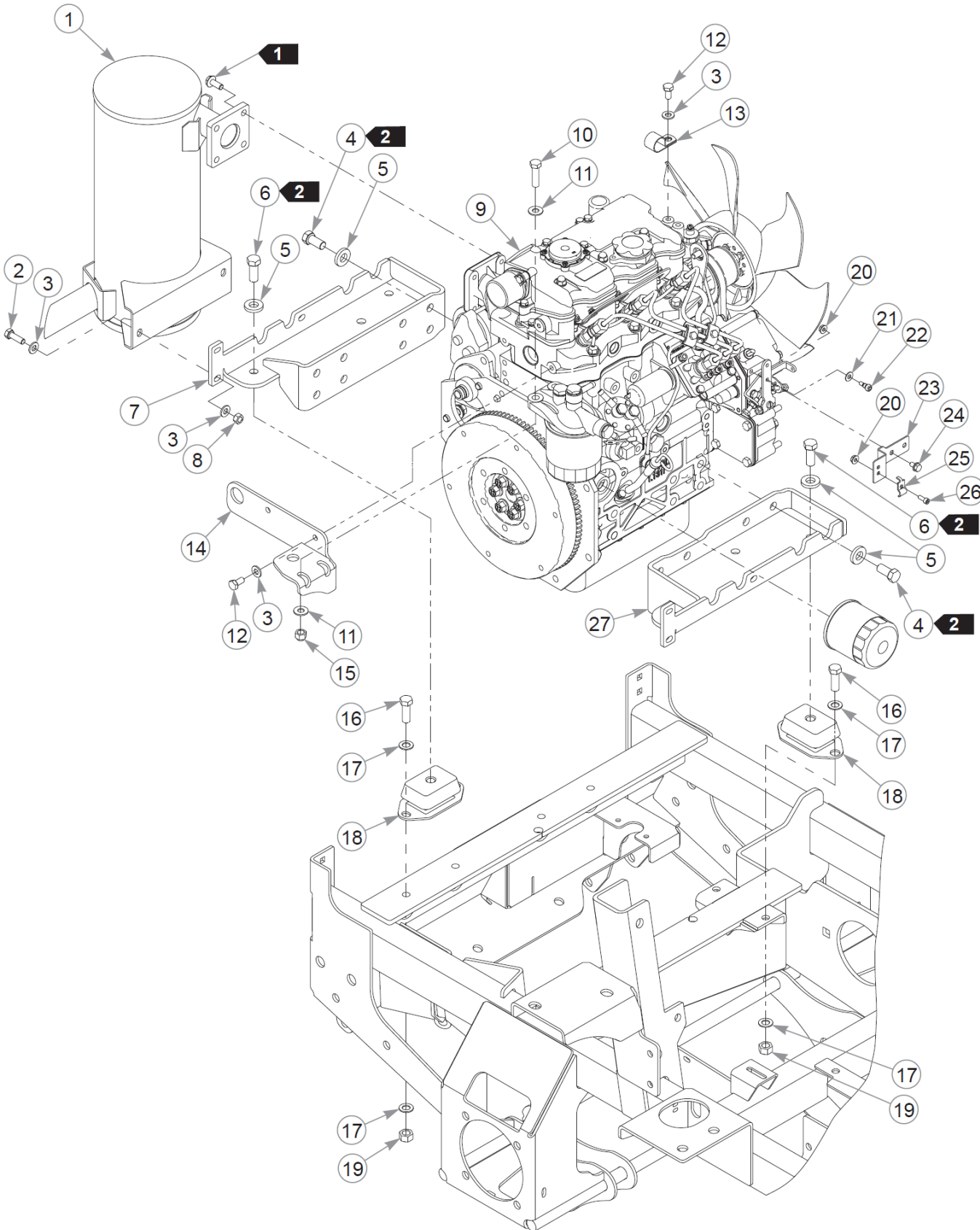
1. Tighten, then back off the nut until the wheel spins freely.
2. Refer to the General Service Manual for wheel bearing service procedures.



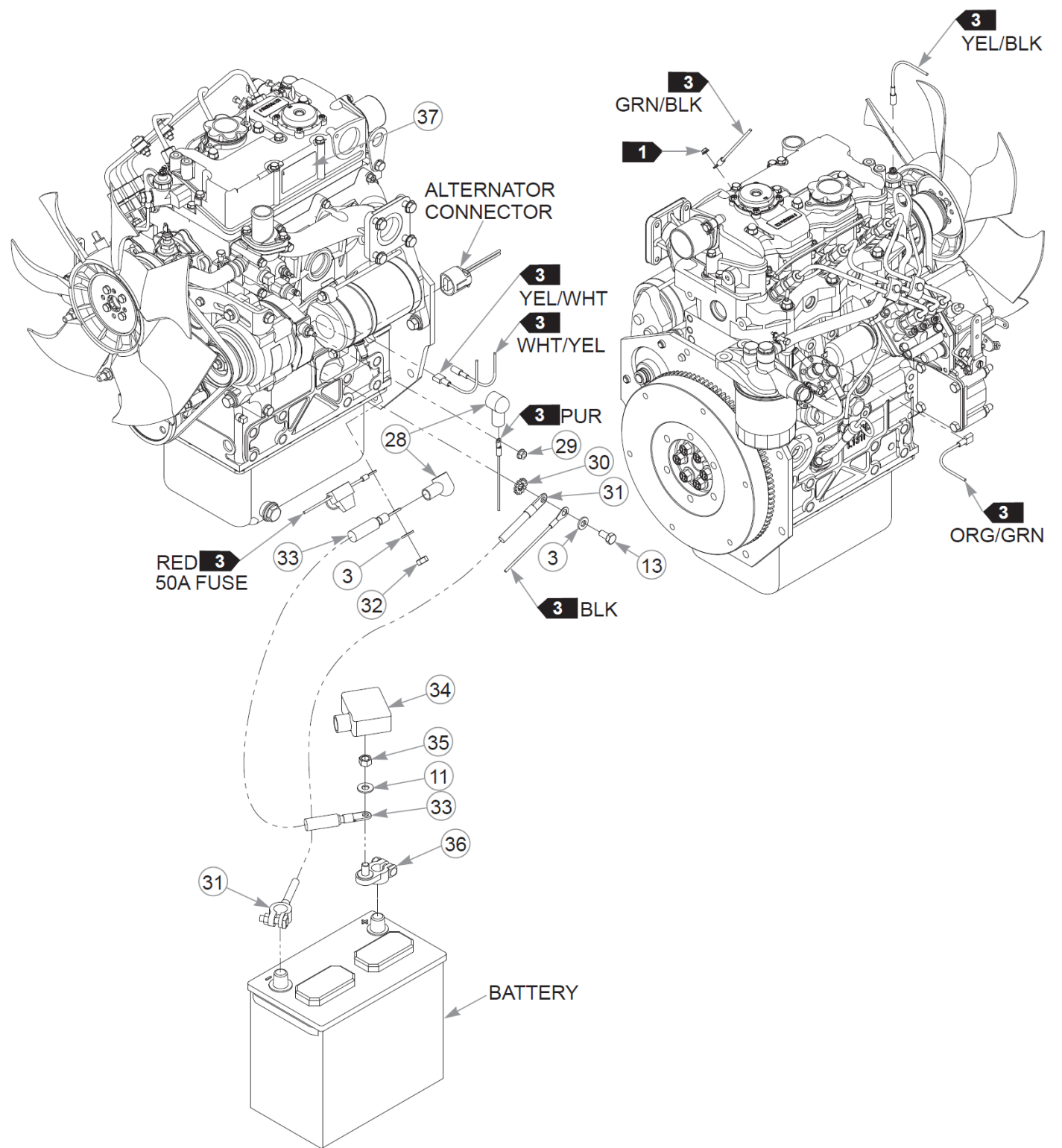
## Drive Wheel Breakdown

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

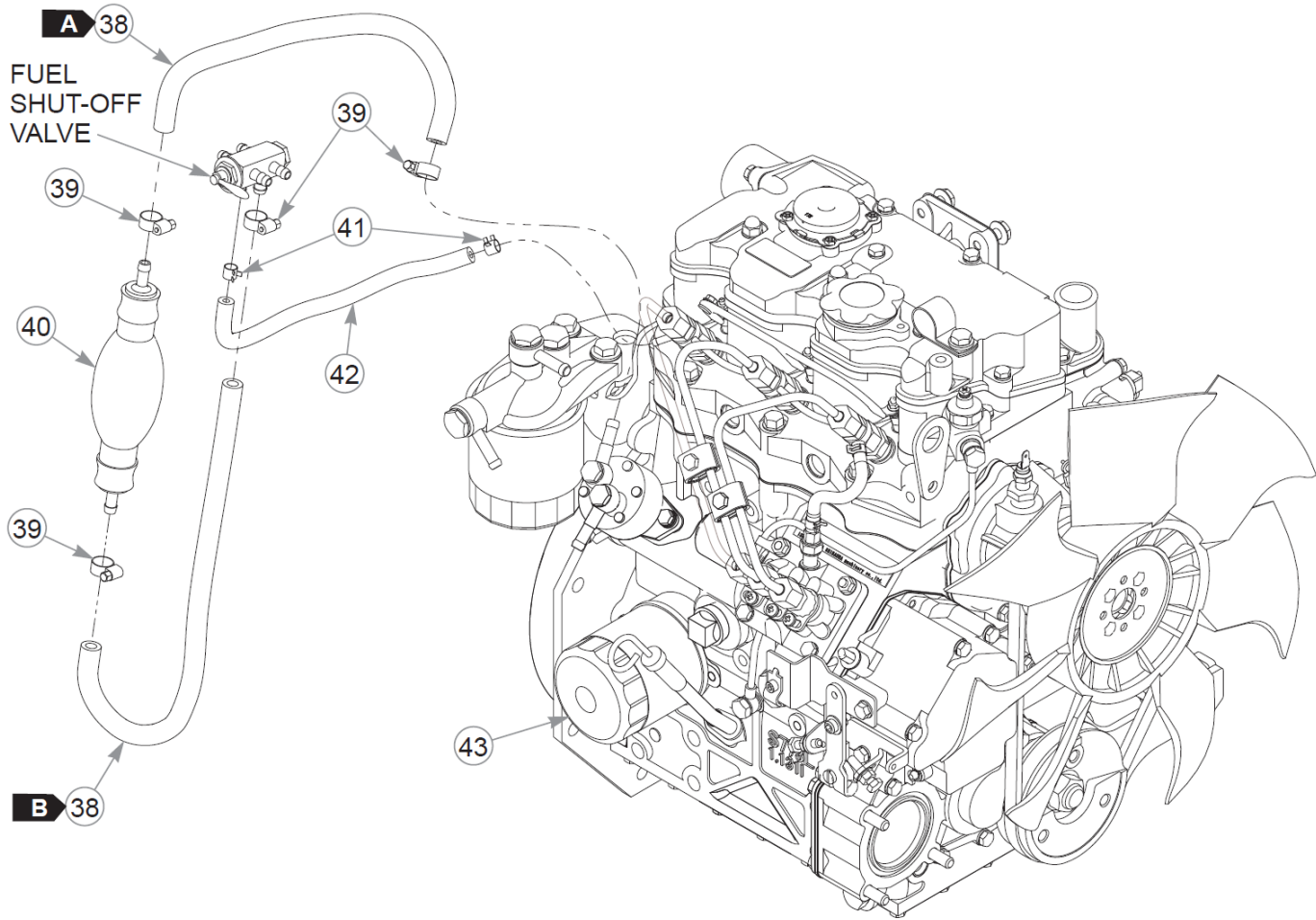
| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 606967   | 1   | TIR 24X12.00-12 B4R GRMR |
| 2    | 606819   | 1   | WHL 12X8.50 5X4.5 SLV    |
| 3    | 019521   | 1   | TIRE VALVE TR-412 GOODY  |



| Item                                                          | Part No. | Qty | Name                     |
|---------------------------------------------------------------|----------|-----|--------------------------|
| 1                                                             | 601361   | 1   | MUFFLER, ISM S773L HDZ   |
| 2                                                             | 036236   | 2   | CS .312-18X1.250HXG5     |
| 3                                                             | 768523   | 10  | FW 0.343SAE              |
| 4                                                             | 601428   | 16  | CS M12-1.25 X 25 ZN      |
| 5                                                             | 767962   | 20  | FW .531 x 1.063 x .175   |
| 6                                                             | 602196   | 4   | CS M12-1.75 x 30 G8.8 ZN |
| 7                                                             | 111045   | 1   | MOTOR MOUNT W/A, REAR    |
| 8                                                             | 034272   | 2   | NT .312-18HXG5           |
| 9                                                             | 601355   | 1   | ENG, S773L DSL ISM138681 |
| Comments for Part Num. 601355                                 |          |     |                          |
| For engine parts search S773L and select engine parts manual. |          |     |                          |
| 10                                                            | 005116   | 2   | CS .375-16X1.38 HX G5 ZY |
| 11                                                            | 767954   | 5   | FW 0.379X.82X.06 HD ZY   |
| 12                                                            | 053678   | 5   | CS M8-1.25X16HXG8.8      |
| 13                                                            | 043570   | 1   | CLIP - HOSE - SINGLE(FS) |
| 14                                                            | 109358   | 1   | BRACKET, FUEL FITLER W/A |
| 15                                                            | 086660   | 2   | NT .375-16NLG8           |
| 16                                                            | 773242   | 8   | CS .437-14X1.250HXG5     |
| 17                                                            | 704742   | 16  | FW 0.453X.81X.06 ZY      |
| 18                                                            | 601958   | 4   | ISO MOUNT, HD STABLE     |
| 19                                                            | 041707   | 8   | NT .437-14HXG5           |
| 20                                                            | 016774   | 2   | NT #10-24 HXFLK ZN       |
| 21                                                            | 017079   | 1   | FW .250SAE               |
| 22                                                            | 601493   | 1   | SB .250Dx.250L 10-24 ZN  |
| 23                                                            | 109419   | 1   | THROTTLE BRKT,ISM ENGINE |
| 24                                                            | 739144   | 2   | CS M6-1.00X12HXG10.9     |
| 25                                                            | 011841   | 1   | CONDUIT CLIP             |
| 26                                                            | 794495   | 1   | CS 10-24 X .500 SKTHD Z  |
| 27                                                            | 125280-3 | 1   | ENGINE MOUNT, FRONT PNT  |
| 28                                                            | 601319   | 2   | POS. BATTERY CABLE BOOT  |
| 29                                                            | 005231   | 1   | NT M6-1.00FLG            |
| 30                                                            | 029876   | 1   | LW .312 INTEXT ZY        |
| 31                                                            | 601540   | 1   | CABLE, NEG 12" POST/STUD |
| 32                                                            | 045336   | 1   | NT M8X1.25 HX GR8.8 ZNY  |
| 33                                                            | 601539   | 1   | CABLE, POS 9"            |



| Item                          | Part No.  | Qty  | Name                           |
|-------------------------------|-----------|------|--------------------------------|
| 34                            | 601381    | 1    | BOOT, POSITIVE BATTERY         |
| 35                            | 054502    | 1    | NT .375-16HXG5                 |
| 36                            | 601380    | 1    | POST, POS BAT MARINE           |
| 37                            | 606453    | 1    | DECAL, CAUTION                 |
| 38                            | 791400    | 76cm | FUEL LINE, 5/16"               |
| 39                            | 601693    | 4    | HOSE CLAMP, 1/4" - 5/8"        |
| 40                            | 601378    | 1    | FUEL PRIMER BULB, 5/16"        |
| 41                            | 603112    | 2    | CLAMP, 3/16 FUEL               |
| 42                            | 603326    | 33cm | VAPOR LINE, 3/16"              |
| Comments for Part Num. 603326 |           |      |                                |
| Sold by the foot.             |           |      |                                |
| 43                            | 140517020 | 1    | OIL FILTER (ENGINE OIL FILTER) |





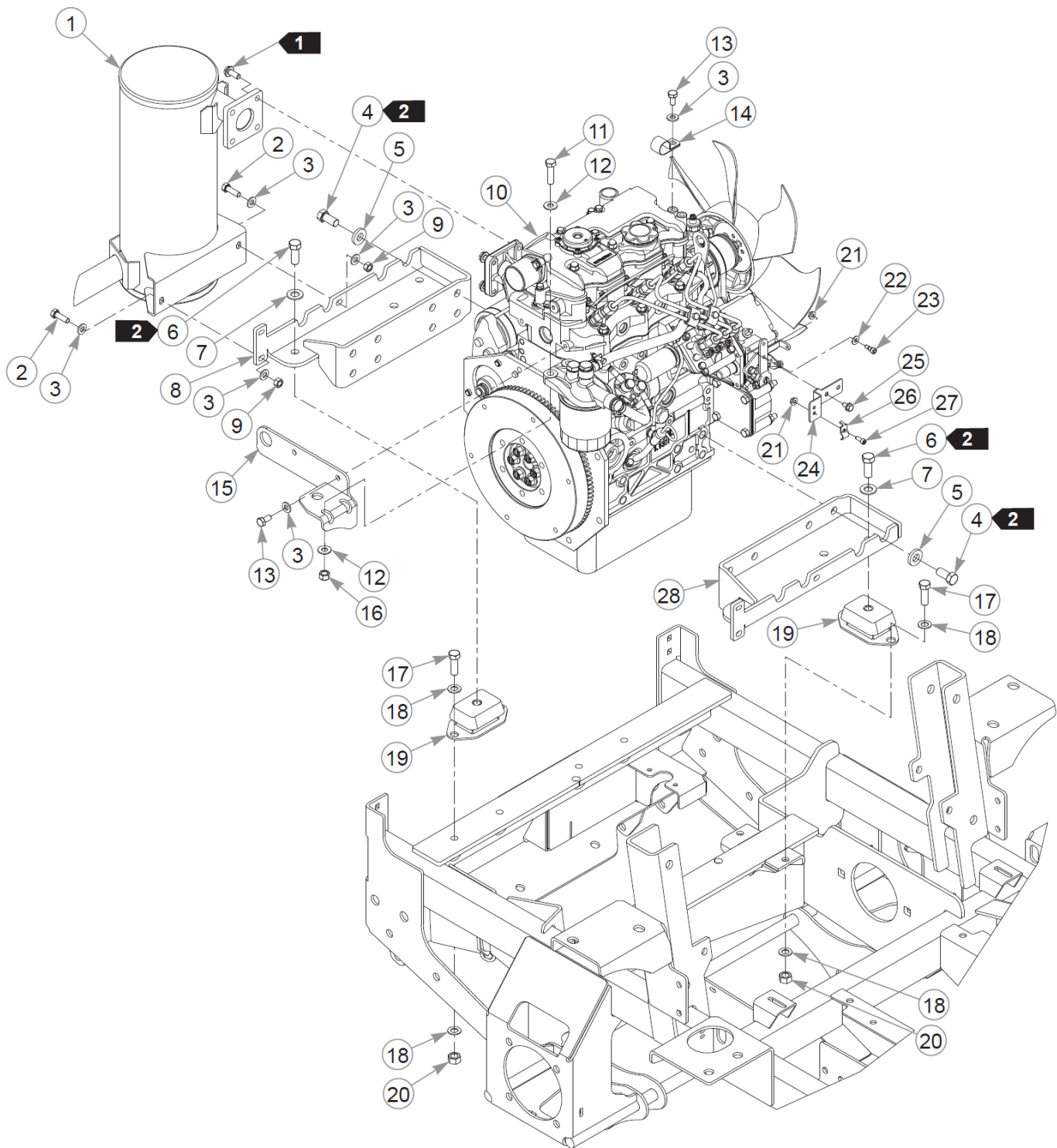
Comments for Page: Engine, Oil Filter, Fuel Filter & Muffler - S/N 19060988 & Higher (Multi-Page)

#### FUEL LINE LENGTHS

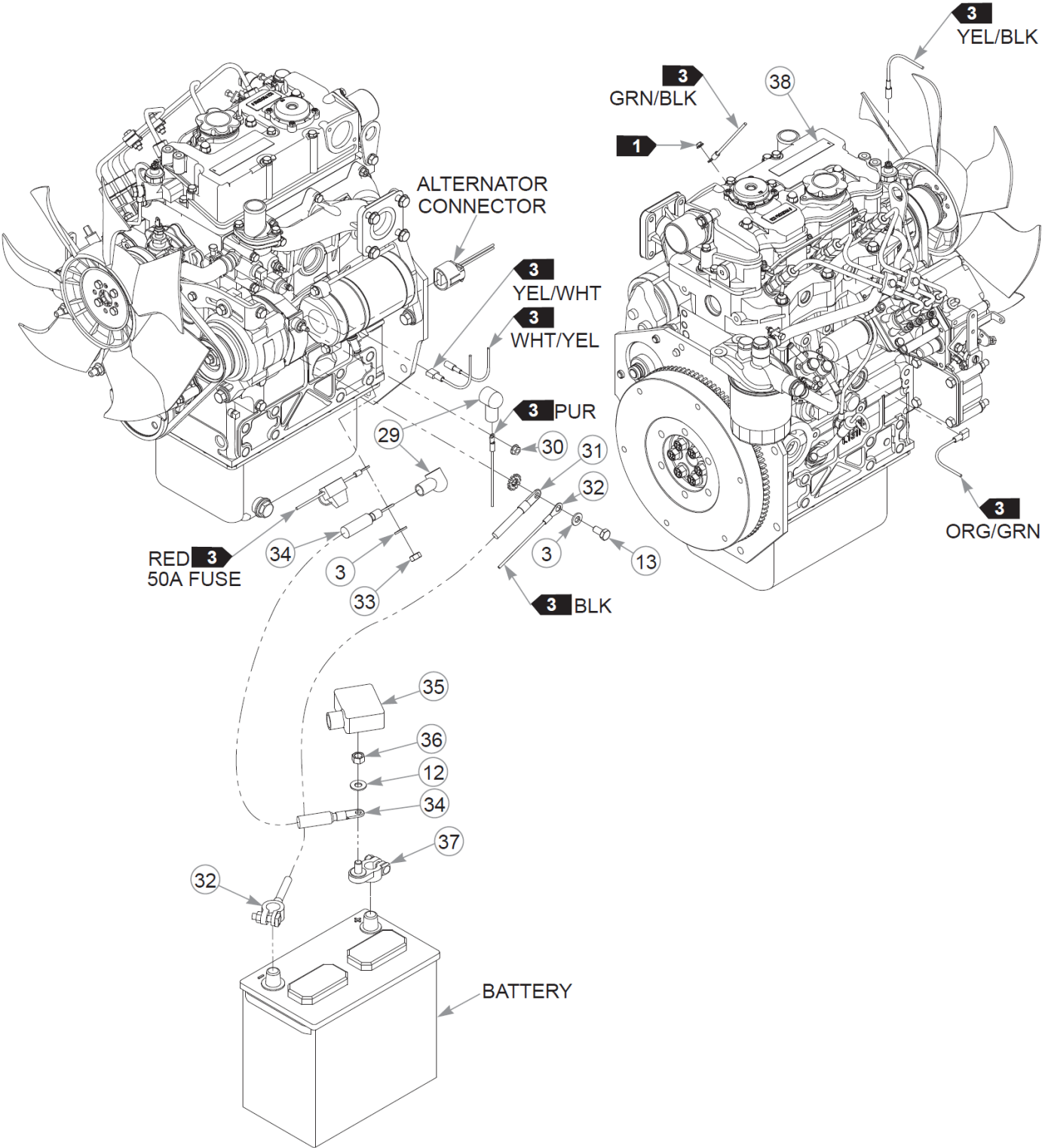
A: 30cm SELECTOR VALVE TO PRIMER BULB

B: 46cm PRIMER BULB TO FUEL PUMP

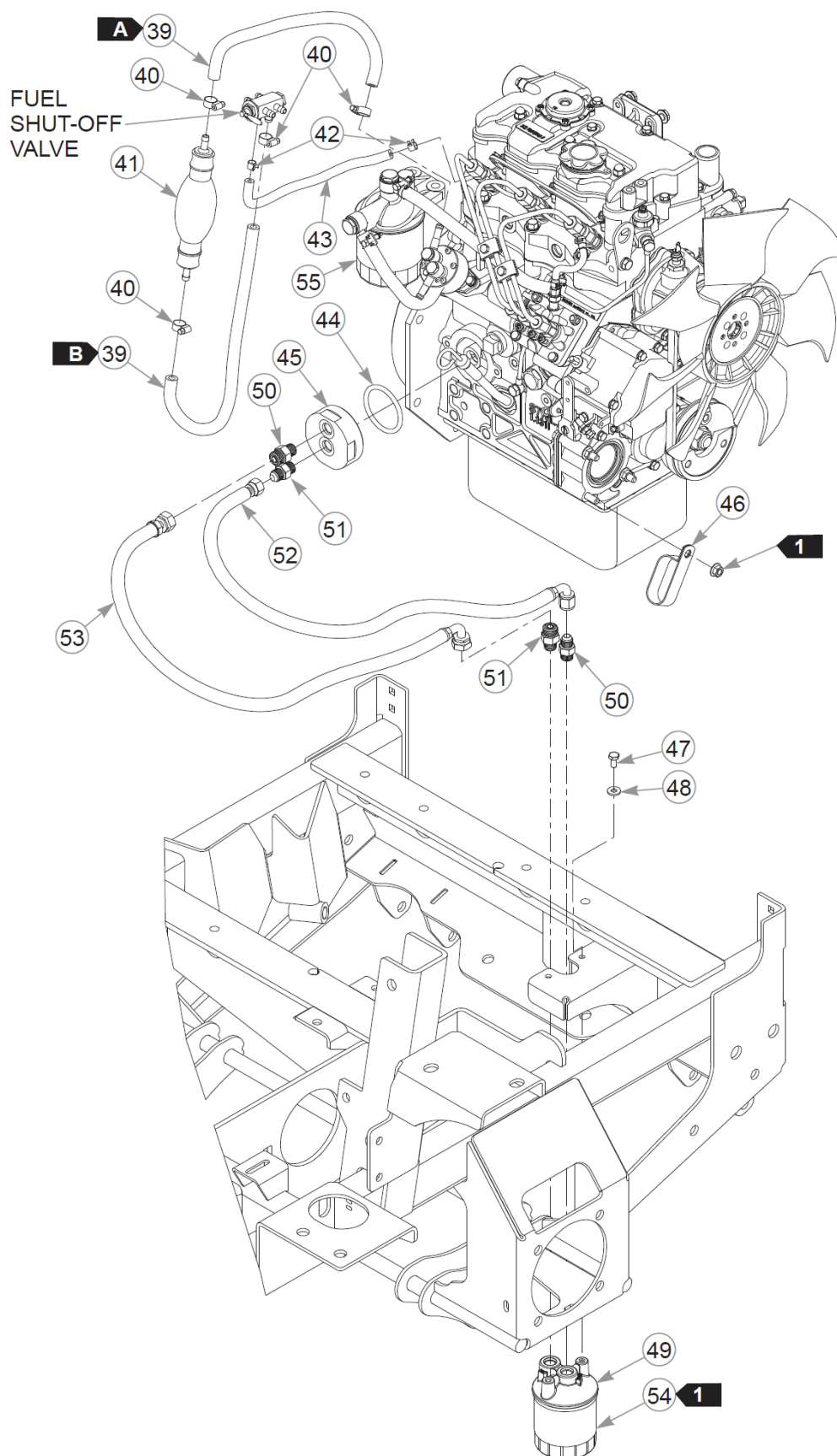
1. Supplied with the engine.
2. Torque to 87 N•m.
3. Part of the wire harness.
4. For additional engine service parts, see 101741 Shibaura S773L engine parts manual.



| Item                                                          | Part No. | Qty | Name                     |
|---------------------------------------------------------------|----------|-----|--------------------------|
| 1                                                             | 601361   | 1   | MUFFLER, ISM S773L HDZ   |
| 2                                                             | 036236   | 2   | CS .312-18X1.250HXG5     |
| 3                                                             | 768523   | 9   | FW 0.343SAE              |
| 4                                                             | 601428   | 16  | CS M12-1.25 X 25 ZN      |
| 5                                                             | 767962   | 16  | FW .531 x 1.063 x .175   |
| 6                                                             | 602196   | 4   | CS M12-1.75 x 30 G8.8 ZN |
| 7                                                             | 004168   | 4   | FW .531x1.00x.090 ZY     |
| 8                                                             | 111045   | 1   | MOTOR MOUNT W/A, REAR    |
| 9                                                             | 034272   | 2   | NT .312-18HXG5           |
| 10                                                            | 601355   | 1   | ENG, S773L DSL ISM138681 |
| Comments for Part Num. 601355                                 |          |     |                          |
| For engine parts search S773L and select engine parts manual. |          |     |                          |
| 11                                                            | 005116   | 2   | CS .375-16X1.38 HX G5 ZY |
| 12                                                            | 767954   | 5   | FW 0.379X.82X.06 HD ZY   |
| 13                                                            | 053678   | 5   | CS M8-1.25X16HXG8.8      |
| 14                                                            | 043570   | 1   | CLIP - HOSE - SINGLE(FS) |
| 15                                                            | 109358   | 1   | BRACKET, FUEL FITLER W/A |
| 16                                                            | 086660   | 2   | NT .375-16NLG8           |
| 17                                                            | 773242   | 8   | CS .437-14X1.250HXG5     |
| 18                                                            | 704742   | 16  | FW 0.453X.81X.06 ZY      |
| 19                                                            | 601958   | 4   | ISO MOUNT, HD STABLE     |
| 20                                                            | 041707   | 8   | NT .437-14HXG5           |
| 21                                                            | 016774   | 2   | NT #10-24 HXFLK ZN       |
| 22                                                            | 017079   | 1   | FW .250SAE               |
| 23                                                            | 601493   | 1   | SB .250Dx.250L 10-24 ZN  |
| 24                                                            | 109419   | 1   | THROTTLE BRKT,ISM ENGINE |
| 25                                                            | 739144   | 2   | CS M6-1.00X12HXG10.9     |
| 26                                                            | 011841   | 1   | CONDUIT CLIP             |
| 27                                                            | 794495   | 1   | CS 10-24 X .500 SKTHD Z  |
| 28                                                            | 111046   | 1   | MOTOR MOUNT W/A, FRONT   |
| 29                                                            | 601319   | 2   | POS. BATTERY CABLE BOOT  |
| 30                                                            | 005231   | 1   | NT M6-1.00FLG            |
| 31                                                            | 029876   | 1   | LW .312 INTEXT ZY        |
| 32                                                            | 601540   | 1   | CABLE, NEG 12" POST/STUD |
| 33                                                            | 045336   | 1   | NT M8X1.25 HX GR8.8 ZNY  |



| Item                          | Part No.  | Qty  | Name                           |
|-------------------------------|-----------|------|--------------------------------|
| 34                            | 601539    | 1    | CABLE, POS 9"                  |
| 35                            | 601381    | 1    | BOOT, POSITIVE BATTERY         |
| 36                            | 054502    | 1    | NT .375-16HXG5                 |
| 37                            | 601380    | 1    | POST, POS BAT MARINE           |
| 38                            | 606453    | 1    | DECAL, CAUTION                 |
| 39                            | 791400    | 76cm | FUEL LINE, 5/16"               |
| 40                            | 601693    | 4    | HOSE CLAMP, 1/4" - 5/8"        |
| 41                            | 601378    | 1    | FUEL PRIMER BULB, 5/16"        |
| 42                            | 603112    | 2    | CLAMP, 3/16 FUEL               |
| Not Shown                     | 041483    | 2    | HOSE CLAMP, 7/16 SPRING        |
| 43                            | 603326    | 33cm | VAPOR LINE, 3/16"              |
| Comments for Part Num. 603326 |           |      |                                |
| Sold by the foot.             |           |      |                                |
| Not Shown                     | 038398    | 33cm | FUEL LINE, 3/16"               |
| 44                            | 601567    | 1    | O-RING, HDZ REMOTE OIL         |
| 45                            | 601526    | 1    | ADAPTER, REMOTE OIL            |
| 46                            | 045088    | 1    | HOSE CLAMP 1" (FS)             |
| 47                            | 055947    | 2    | CS .250-20X0.50 HX G5 ZY       |
| 48                            | 768515    | 2    | FW 0.281SAE                    |
| 49                            | 601487    | 1    | FILTER HEAD, HDZ               |
| 50                            | 792150    | 2    | FTG, STR-6MORB/-6MS            |
| 51                            | 779132    | 2    | FTG, -6MORB/-6MJIC STR         |
| 52                            | 601546    | 1    | HOSE, OIL FILTER RELOC         |
| 53                            | 601547    | 1    | HOSE, OIL FILTER RELOC         |
| 54                            | 140517020 | 1    | OIL FILTER (ENGINE OIL FILTER) |
| 55                            | 130366120 | 1    | FUEL FILTER, SPIN ON           |



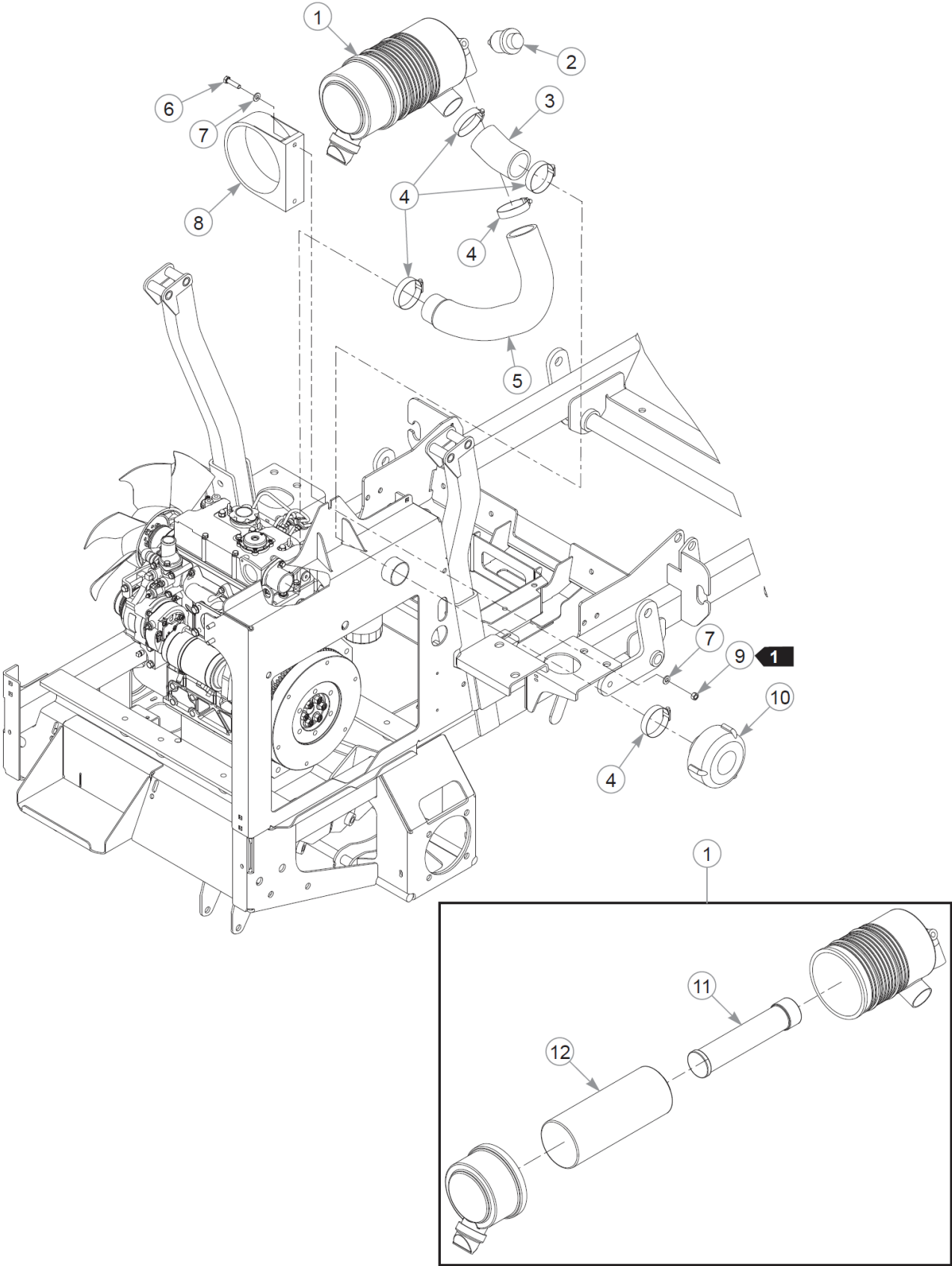
Comments for Page: Engine, Oil Filter, Fuel Filter & Muffler - S/N Prior to 19060988 (Multi-Page)

#### FUEL LINE LENGTHS

A: 30cm SELECTOR VALVE TO PRIMER BULB

B: 46cm PRIMER BULB TO FUEL PUMP

1. Supplied with the engine.
2. Torque to 87 N•m.
3. Part of the wire harness.
4. For additional engine service parts, see 101741 Shibaura S773L engine parts manual.
5. 603112 & 603326 are used on mowers S/N 13101779 & higher.
6. 041483 & 038398 are used on mowers S/N prior to 13101779.





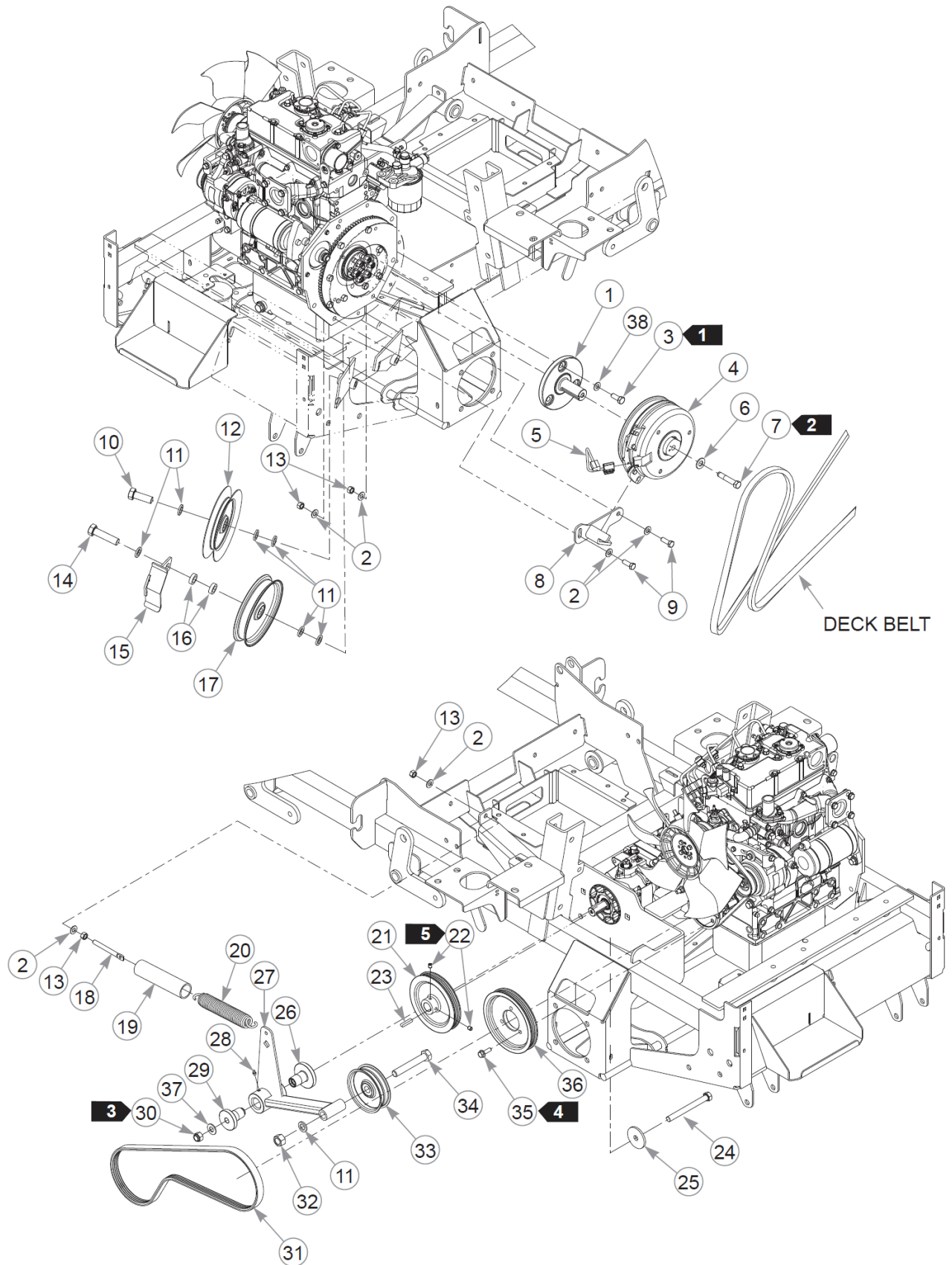
## Air Cleaner

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item      | Part No. | Qty | Name                     |
|-----------|----------|-----|--------------------------|
| 1         | 782763   | 1   | AIR CLEANER, DONALDSON   |
| Not Shown | 600910   | 1   | COVER END, W/ LATCHES    |
| 2         | 795138   | 1   | AIR FILTER INDICATOR,25  |
| 3         | 601359   | 1   | HOSE, FRESH AIR INTK HDZ |
| 4         | 057661   | 5   | HOSE CLAMP (FS)          |
| 5         | 601360   | 1   | HOSE, INTAKE HDZ         |
| 6         | 079186   | 2   | CS .312-18X1.250HXG5     |
| 7         | 768523   | 4   | FW 0.343SAE              |
| 8         | 785741   | 1   | BAND, AIR CLEANER MOUNT  |
| 9         | 034272   | 2   | NT .312-18HXG5           |
| 10        | 775353   | 1   | ENGINE CENTRIFICAL PREC  |
| 11        | 785279   | 1   | AIR FILTER - SAFETY      |
| 12        | 785261   | 1   | AIR FILTER - MAIN        |

Comments for Page: Air Cleaner

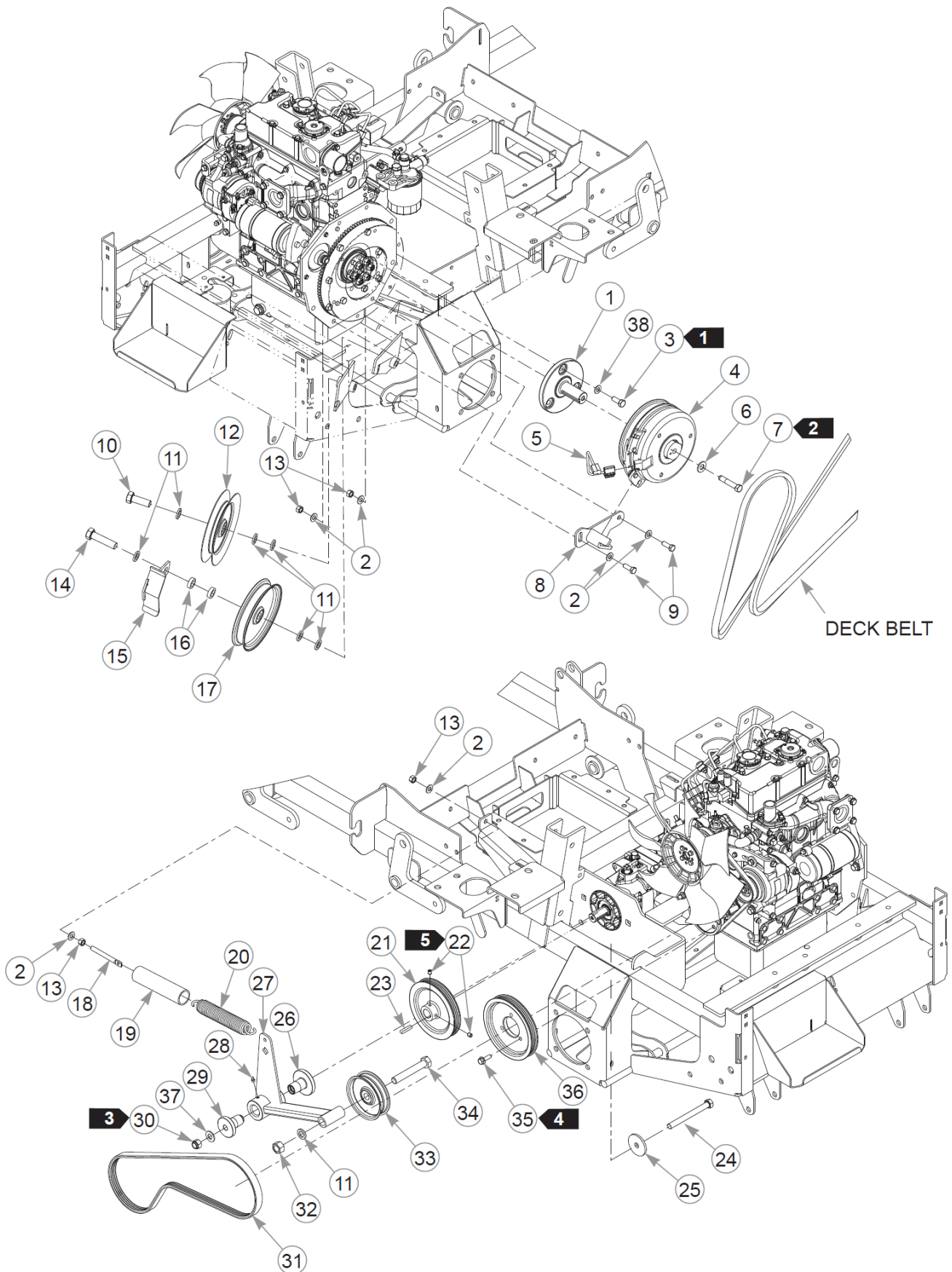
1. Torque to 16 N•m.



## Clutch & Drive Belt

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item                                                                                                                   | Part No. | Qty | Name                           |
|------------------------------------------------------------------------------------------------------------------------|----------|-----|--------------------------------|
| 1                                                                                                                      | 601279   | 1   | STUB SHAFT, ISM 773            |
| 2                                                                                                                      | 767954   | 6   | FW 0.379X.82X.06 HD ZY         |
| 3                                                                                                                      | 038836   | 3   | CS M10-1.50X25 HX ZN           |
| 4                                                                                                                      | 601278K  | 1   | CLUTCH KIT                     |
| 5                                                                                                                      | 791251   | 1   | HARNESS, CLUTCH PIGTAIL        |
| Comments for Part Num. 791251                                                                                          |          |     |                                |
| Pigtail was updated with epoxy to hold the wires steady. The wire sheath was also updated to a more flexible material. |          |     |                                |
| 6                                                                                                                      | 602680   | 1   | FW .453X1.12X.12 HRD ZY        |
| 7                                                                                                                      | 778217   | 1   | CS .437-20X2.250 HXG5P85       |
| 8                                                                                                                      | 109725   | 1   | CLUTCH ANCHOR W/A              |
| 9                                                                                                                      | 036244   | 2   | CS .375-16X1.00 HX G5 ZY       |
| 10                                                                                                                     | 025007   | 1   | CS .62511X1.750HXG5            |
| 11                                                                                                                     | 028118   | 7   | FW 0.625X1.00X.13 ZY           |
| 12                                                                                                                     | 796714   | 1   | PULLEY, 6" HB IDLER RD         |
| 13                                                                                                                     | 054502   | 4   | NT .375-16HXG5                 |
| 14                                                                                                                     | 025015   | 1   | CS .625-11X2.500HXG5           |
| 15                                                                                                                     | 113088   | 1   | BELT GUIDE, W/A                |
| 16                                                                                                                     | 600296   | 2   | SPACER, DECK IDLER             |
| 17                                                                                                                     | 781385   | 1   | PULLEY, IDLER NHI 6.00"        |
| 18                                                                                                                     | 601486   | 1   | EB, .375-16X3.00 FULTHD        |
| 19                                                                                                                     | 601722   | 1   | TUBE, 1.500 X .12W CLR         |
| 20                                                                                                                     | 601016   | 1   | IDLER SPRING                   |
| 21                                                                                                                     | 601422   | 1   | PULLEY, 5.625" MICRO V         |
| 22                                                                                                                     | 600122   | 2   | SS .312-18 X .312 SH BO        |
| 23                                                                                                                     | 601713   | 1   | KEY, 1/4 X 1.375 LONG          |
| 24                                                                                                                     | 051151   | 1   | CS .500-13X5.000HXG5           |
| 25                                                                                                                     | 344267   | 1   | FW .510X2.15X.19 ZY            |
| 26                                                                                                                     | 602880   | 1   | BUSHING, IDLER PIVOT           |
| 27                                                                                                                     | 115117   | 1   | IDLER ARM, W/A                 |
| 28                                                                                                                     | 015495   | 1   | GREASE FITTING STRAIGHT        |
| 29                                                                                                                     | 602879   | 1   | BUSHING, IDLER PIVOT           |
| 30                                                                                                                     | 781567   | 1   | NT .500-13NLG5                 |
| 31                                                                                                                     | 601424   | 1   | BELT, 4 RIB "PVL" (DRIVE BELT) |
| 32                                                                                                                     | 016972   | 1   | NT .625-11 HX G5 ZNYC          |
| 33                                                                                                                     | 601488   | 1   | PULLEY, 4" FLAT IDLER          |



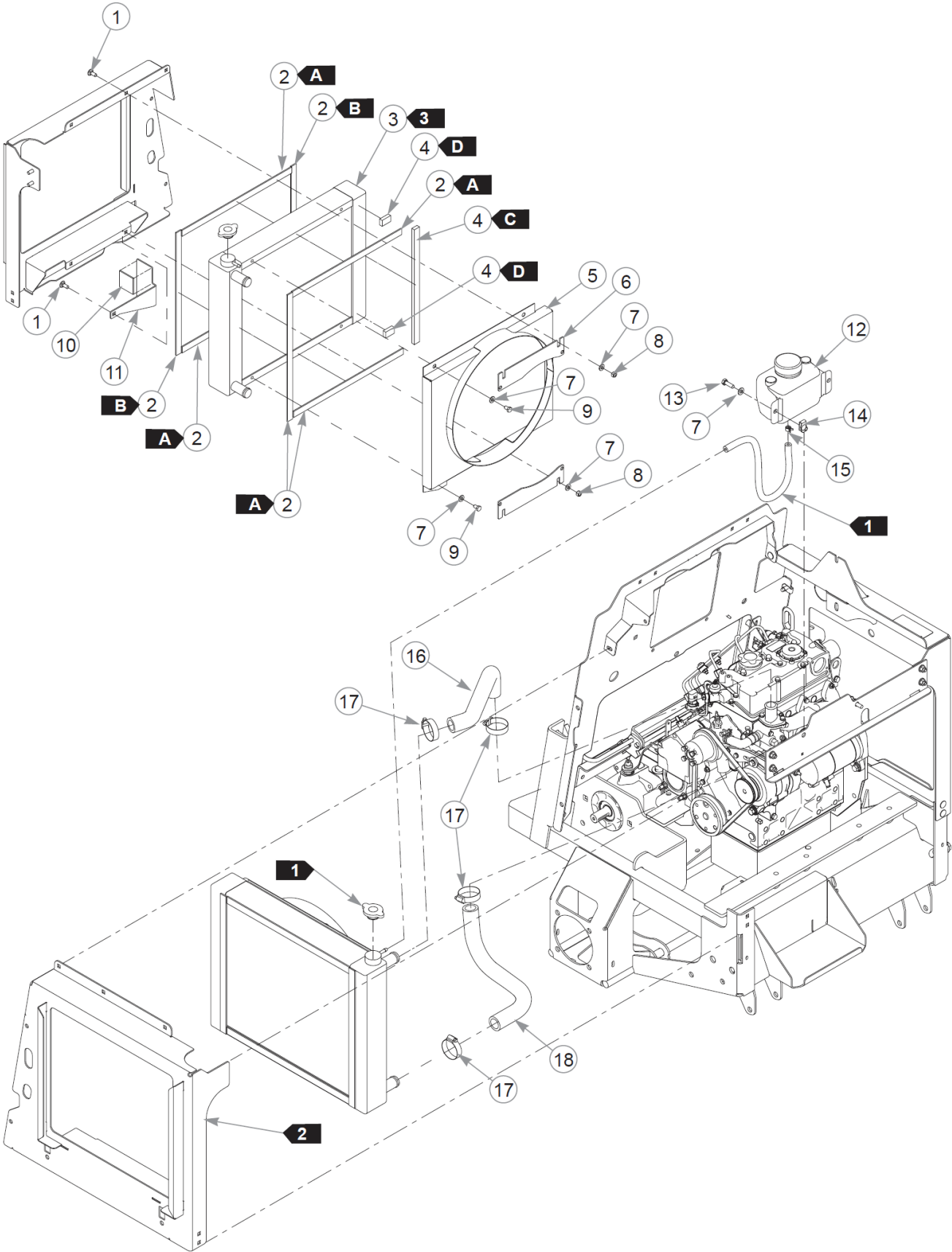
## Clutch & Drive Belt

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item | Part No. | Qty | Name                    |
|------|----------|-----|-------------------------|
| 34   | 047712   | 1   | CS .625-11X4.000HXG5    |
| 35   | 720177   | 3   | CS M8-1.25X20FLG10.9    |
| 36   | 601423   | 1   | PULLEY, 6.0" MICRO V    |
| 37   | 767962   | 1   | FW .531 x 1.063 x .175  |
| 38   | 712919   | 3   | FW 0.406X1.00X.12 HD ZY |

Comments for Page: Clutch & Drive Belt

1. Torque to 55 N•m.
2. Torque the bolt to 61–65 N•m. Replace (do not reuse) the cap screw if it's removed or loosened. Use only hand tools to install this fastener.
3. Torque the nut to 96–102 N•m. The tensioner should pivot freely.
4. Torque to 28 N•m.
5. Torque to 16–20 N•m.



## Cooling System

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item      | Part No. | Qty     | Name                     |
|-----------|----------|---------|--------------------------|
| 1         | 016253   | 4       | CB .312-18X .750 FUL ZN  |
| 2         | 033035   | 282 cm  | WEATHERSTRIP .12X.75     |
| 3         | 601295   | 1       | RADIATOR, HDZ ISM 773    |
| 4         | 713198   | 43.2 cm | SEAL 3/8x3/4 SOLD BY FT  |
| 5         | 109144   | 1       | SHROUD W/A, HDZ 773      |
| 6         | 108977   | 2       | PLATE, RAD MNT TOP HDZ   |
| 7         | 768523   | 10      | FW 0.343SAE              |
| 8         | 034272   | 4       | NT .312-18HXG5           |
| 9         | 068346   | 4       | CS .312-18X0.500HXG5     |
| 10        | 606946   | 1       | RADIATOR SUPPORT PAD     |
| 11        | 124556-3 | 1       | RADIATOR BRACKET         |
| 12        | 601358   | 1       | BOTTLE, OVERFLOW RAD     |
| Not Shown | 763367   | 1       | CAP, RECOVERY TANK (VEN  |
| 13        | 036236   | 2       | CS .312-18X1.250HXG5     |
| 14        | 601069   | 2       | CN .312-18x.200 MAX THK  |
| 15        | 041483   | 1       | HOSE CLAMP, 7/16 SPRING  |
| 16        | 601353   | 1       | HOSE, UPPER RADIATOR HDZ |
| 17        | 713040   | 4       | HOSE CLAMP               |
| 18        | 601354   | 1       | HOSE, LOWER RADIATOR HDZ |

Comments for Page: Cooling System

### WEATHER STRIP & SEAL LENGTHS

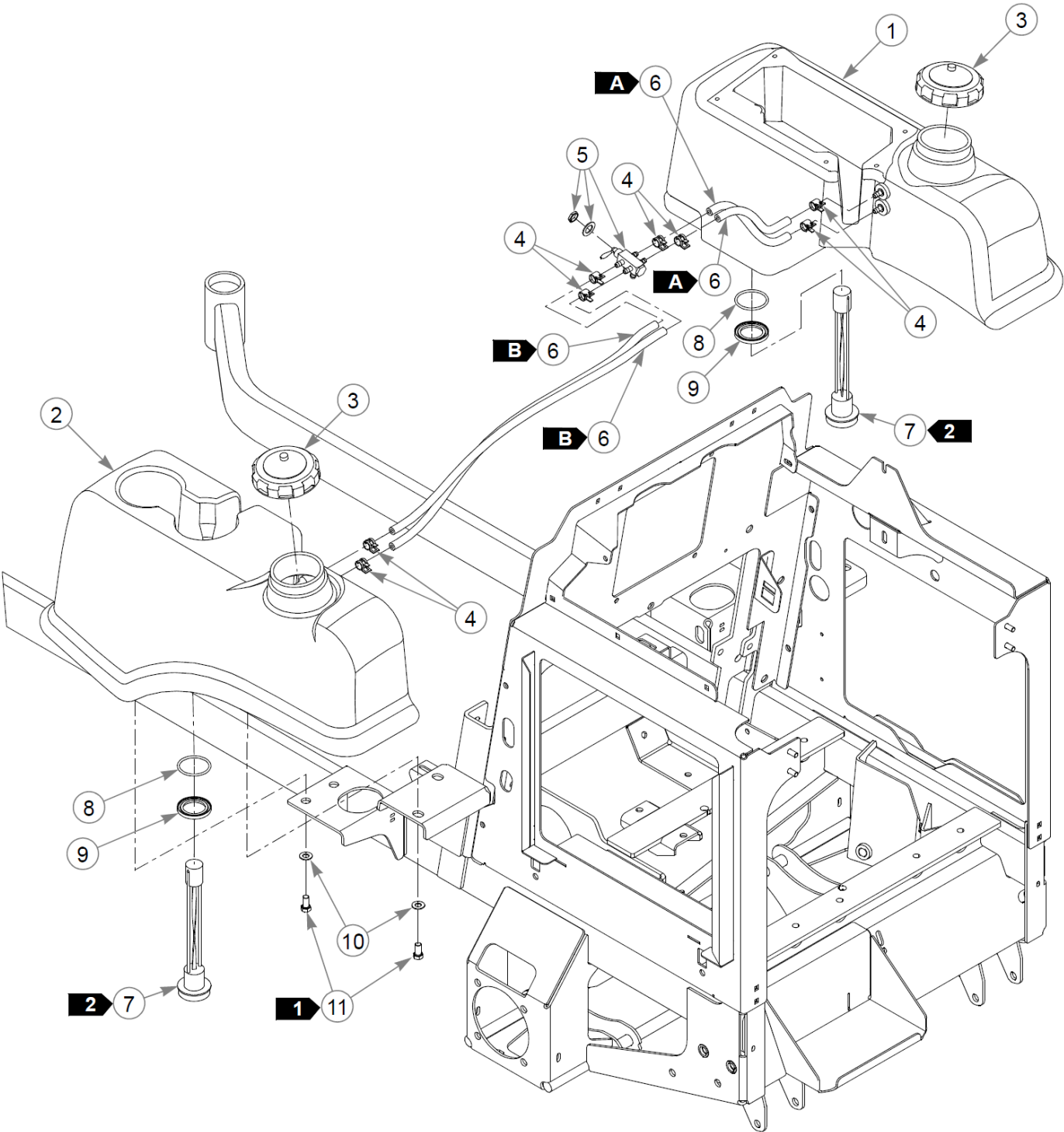
A: 40.6 cm

B: 39.4 cm

C: 36.8 cm

D: 3.2 cm

1. Included with the radiator.
2. Part of the Radiator A/C Support.
3. Use Radiator Mount Kit 124819 on mowers built prior to S/N 18020001.
4. The overflow bottle includes the cap.





## Fuel System

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item                          | Part No. | Qty   | Name                     |
|-------------------------------|----------|-------|--------------------------|
| 1                             | 603778   | 1     | FUEL TANK, FENDER, RH    |
| 2                             | 603779   | 1     | FUEL TANK, FENDER, LH    |
| 3                             | 798470   | 2     | CAP, 3 1/2" YELLOW FUEL  |
| 4                             | 000323   | 8     | CLIP, HOSE CLAMP         |
| 5                             | 795542   | 1     | FUEL VALVE SDZ           |
| 6                             | 015818   | 180cm | FUEL LINE, 1/4"          |
| Comments for Part Num. 015818 |          |       |                          |
| Sold by the foot.             |          |       |                          |
| 7                             | 603780   | 2     | MULTI-LEVEL GAUGE ASS'Y  |
| 8                             | 602069   | 2     | O-RING, VITON -225 SIZE  |
| 9                             | 603835   | 2     | SEAL WASHER              |
| 10                            | 767954   | 8     | FW 0.379X.82X.06 HD ZY   |
| 11                            | 055822   | 8     | CS .375-16X0.75 HX G5 ZY |

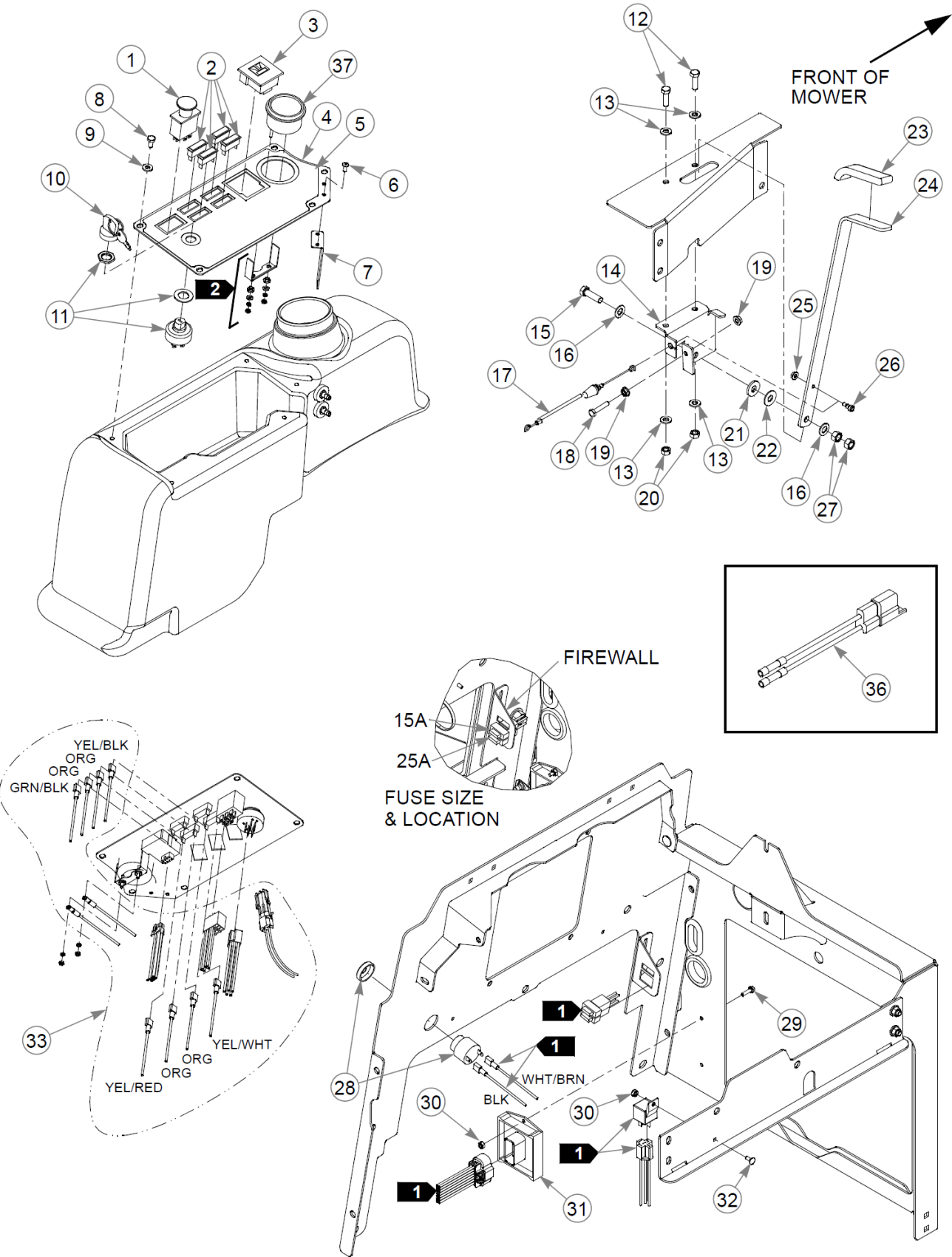
Comments for Page: Fuel System

### VAPOR LINE LENGTHS

A: 25cm RIGHT TANK TO FUEL VALVE

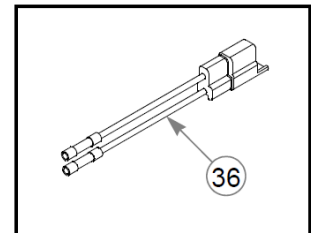
B: 65cm LEFT TANK TO FUEL VALVE

1. Torque to 27 N•m.
2. Torque to 8 N•m.



| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 776476   | 1   | SWITCH, PTO 6201-321     |
| 2    | 712257   | 4   | INDICATOR LIGHT, RED(FS) |
| 3    | 603748   | 1   | FUEL DISPLAY/HOUR METER  |
| 4    | 551325   | 1   | INSTRUMENT PANEL, HDZ    |
| 5    | 603758   | 1   | DECAL, INST PANEL HDZ    |
| 6    | 601089   | 2   | RIVET .188 DIA BLK HD    |
| 7    | 109729   | 1   | COVER, HDZ FUEL TANK     |
| 8    | 055947   | 5   | CS .250-20X0.50 HX G5 ZY |
| 9    | 768515   | 5   | FW 0.281SAE              |
| 10   | 785808   | 1   | KEY ASSEMBLY             |
| 11   | 045898   | 1   | IGNITION SWITCH          |
| 12   | 036236   | 2   | CS .312-18X1.250HXG5     |
| 13   | 768523   | 4   | FW 0.343SAE              |
| 14   | 109421   | 1   | THROTTLE LEVER PLATE     |
| 15   | 052860   | 1   | CS .375-16X1.25 HX G5 ZY |
| 16   | 767954   | 2   | FW 0.379X.82X.06 HD ZY   |
| 17   | 601362   | 1   | THROTTLE CABLE, HDZ      |
| 18   | 603968   | 1   | CS .250-20X1.25 HX FLTRD |
| 19   | 016816   | 2   | NT .250-20FLKG5          |
| 20   | 034272   | 2   | NT .312-18HXG5           |
| 21   | 712919   | 1   | FW 0.406X1.00X.12 HD ZY  |
| 22   | 601507   | 1   | FW .406X1.000X.06 NYLON  |
| 23   | 603830   | 1   | GRIP, BLACK .18x.94x4.0  |
| 24   | 115151   | 1   | THROTTLE LEVER, HDZ      |
| 25   | 016774   | 1   | NT #10-24 HXFLK ZN       |
| 26   | 601493   | 1   | SB .250Dx.250L 10-24 ZN  |
| 27   | 054502   | 2   | NT .375-16HXG5           |
| 28   | 794347   | 1   | ALARM, ULTRA LOUD WARBL  |
| 29   | 063198   | 2   | CS #10-24X0.750FLKG5     |
| 30   | 059832   | 3   | NT #10-24 HX NL ZN       |
| 31   | 601368   | 1   | CONTROLLER, HDZ S773L    |
| 32   | 601098   | 1   | CB 10-24 X .500 ZYNC     |
| 33   | 603759   | 1   | WIRE HARNESS, HDZ        |
| 34   | 000430   | 3   | WIRE TIE, SMALL/LONG     |
| 35   | 000331   | 8   | WIRE TIE, SMALL/SHORT    |
| 36   | 114052   | 1   | KIT, CLUTCH CONN. REP.   |

## 72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC



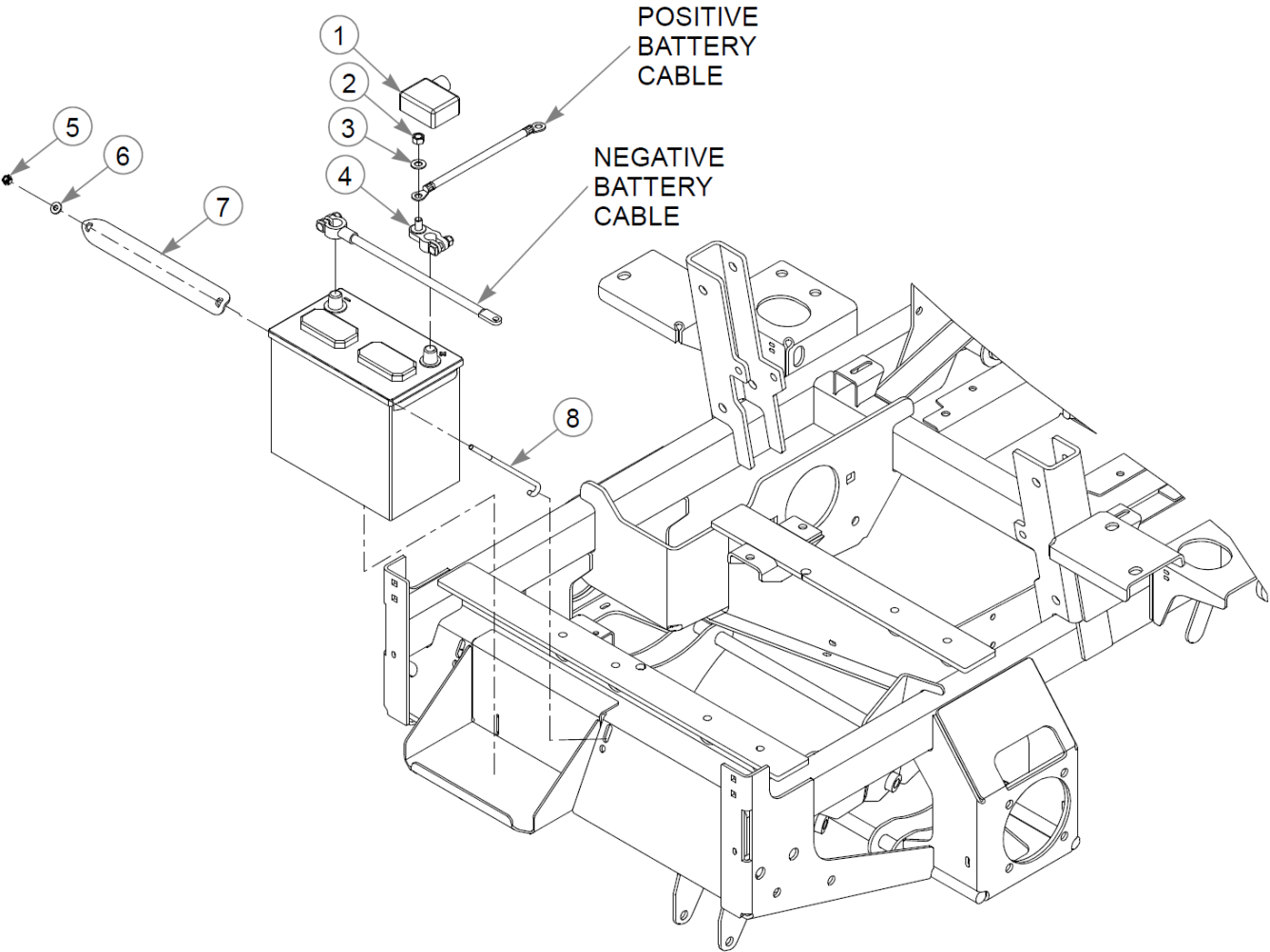
## Instrument Panel & Wire Harness

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item | Part No.  | Qty | Name            |
|------|-----------|-----|-----------------|
| 37   | 385710011 | 1   | GUAGE, TEMP HDZ |

Comments for Page: Instrument Panel & Wire Harness

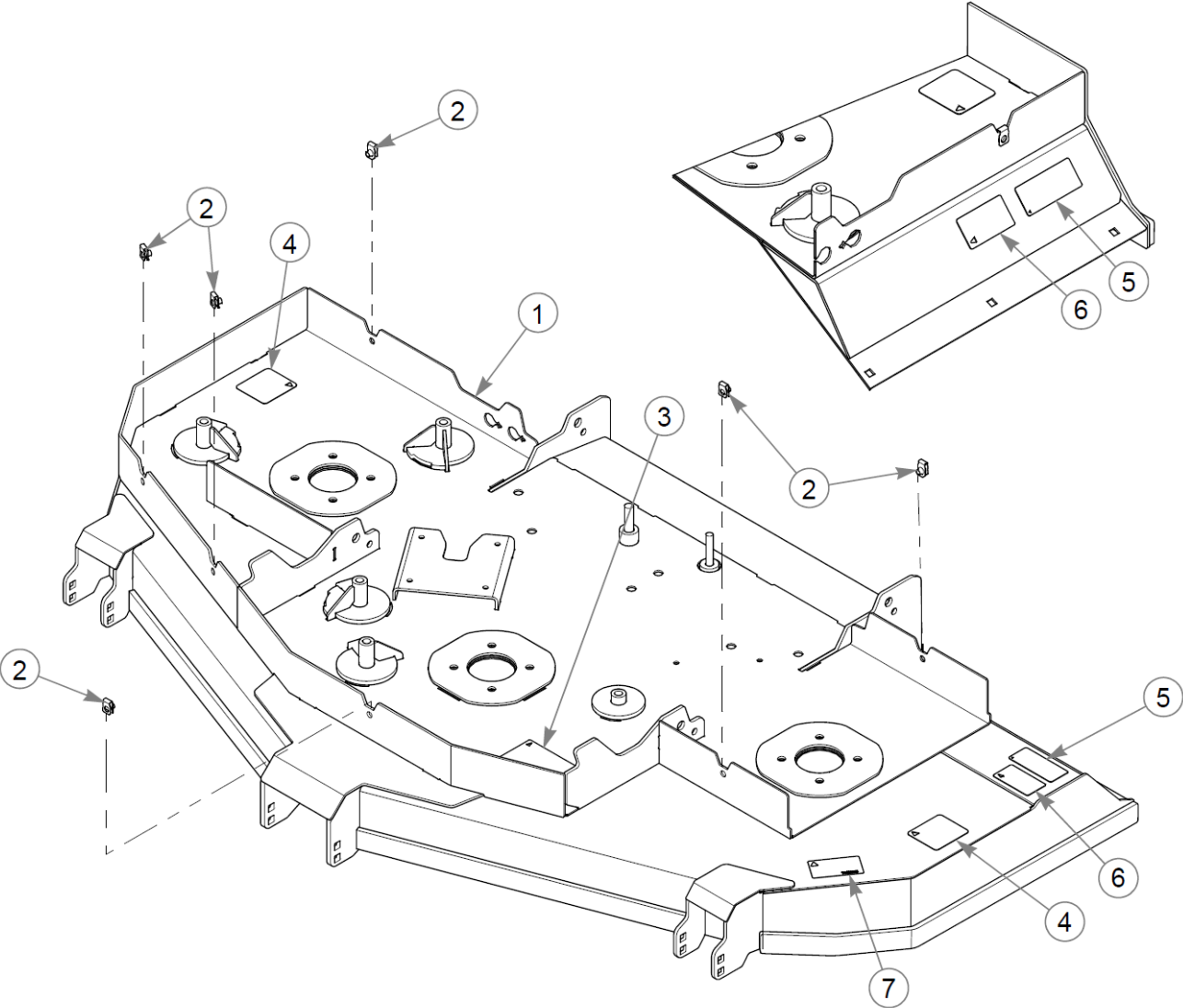
1. Part of the wire harness.
2. Included with the temperature gauge.
3. The instrument panel includes the decal.



## Battery

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item | Part No. | Qty | Name                    |
|------|----------|-----|-------------------------|
| 1    | 601381   | 1   | BOOT, POSITIVE BATTERY  |
| 2    | 054502   | 1   | NT .375-16HXG5          |
| 3    | 767954   | 1   | FW 0.379X.82X.06 HD ZY  |
| 4    | 601380   | 1   | POST, POS BAT MARINE    |
| 5    | 068551   | 2   | NT .250-20 HXZY NL      |
| 6    | 768515   | 2   | FW 0.281SAE             |
| 7    | 109108   | 1   | CLAMP, BATTERY HOLDDOWN |
| 8    | 793489   | 2   | BATTERY CLAMP ROD       |
| 9    | 000331   | 1   | WIRE TIE, SMALL/SHORT   |





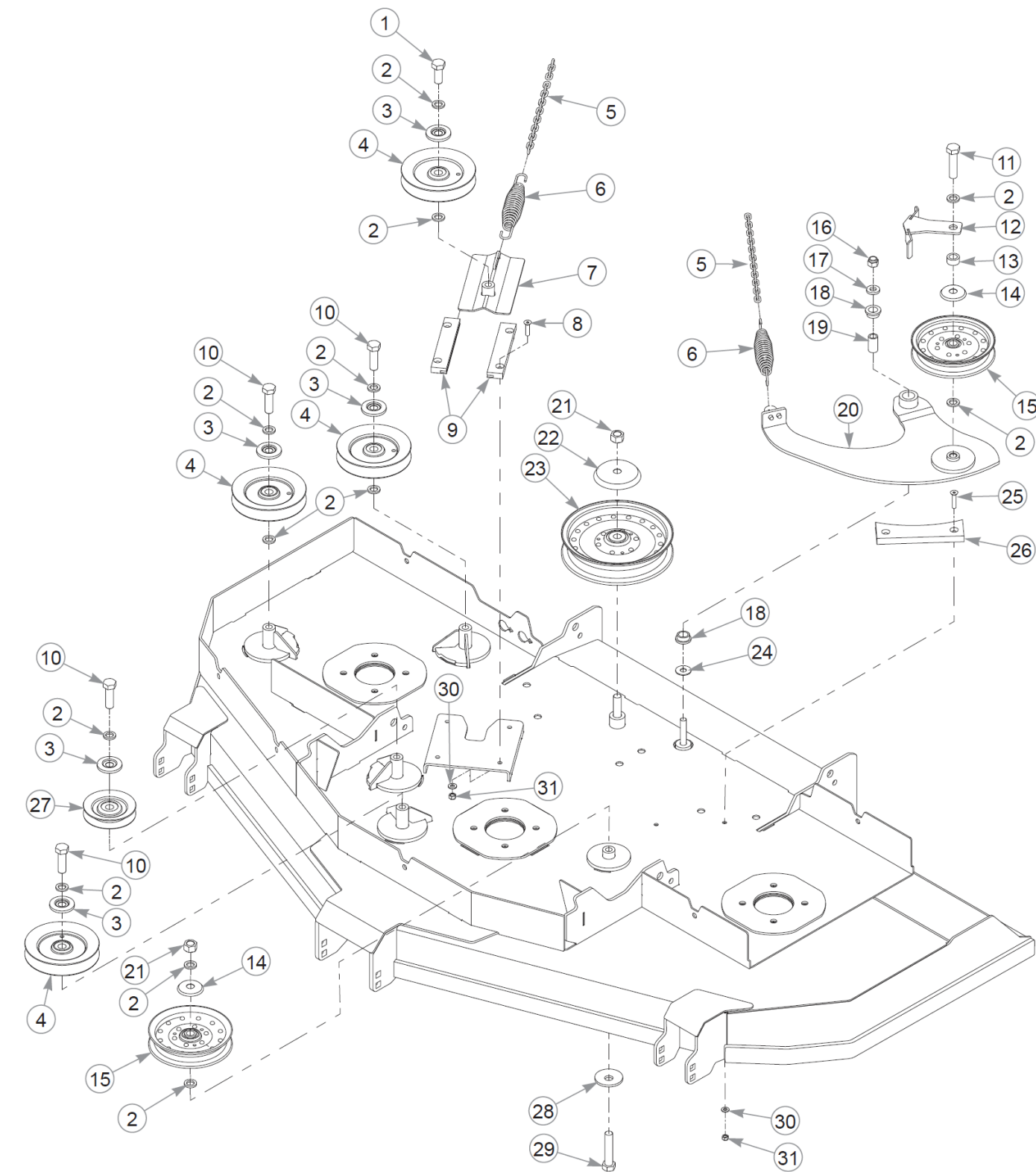
## Service Deck

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

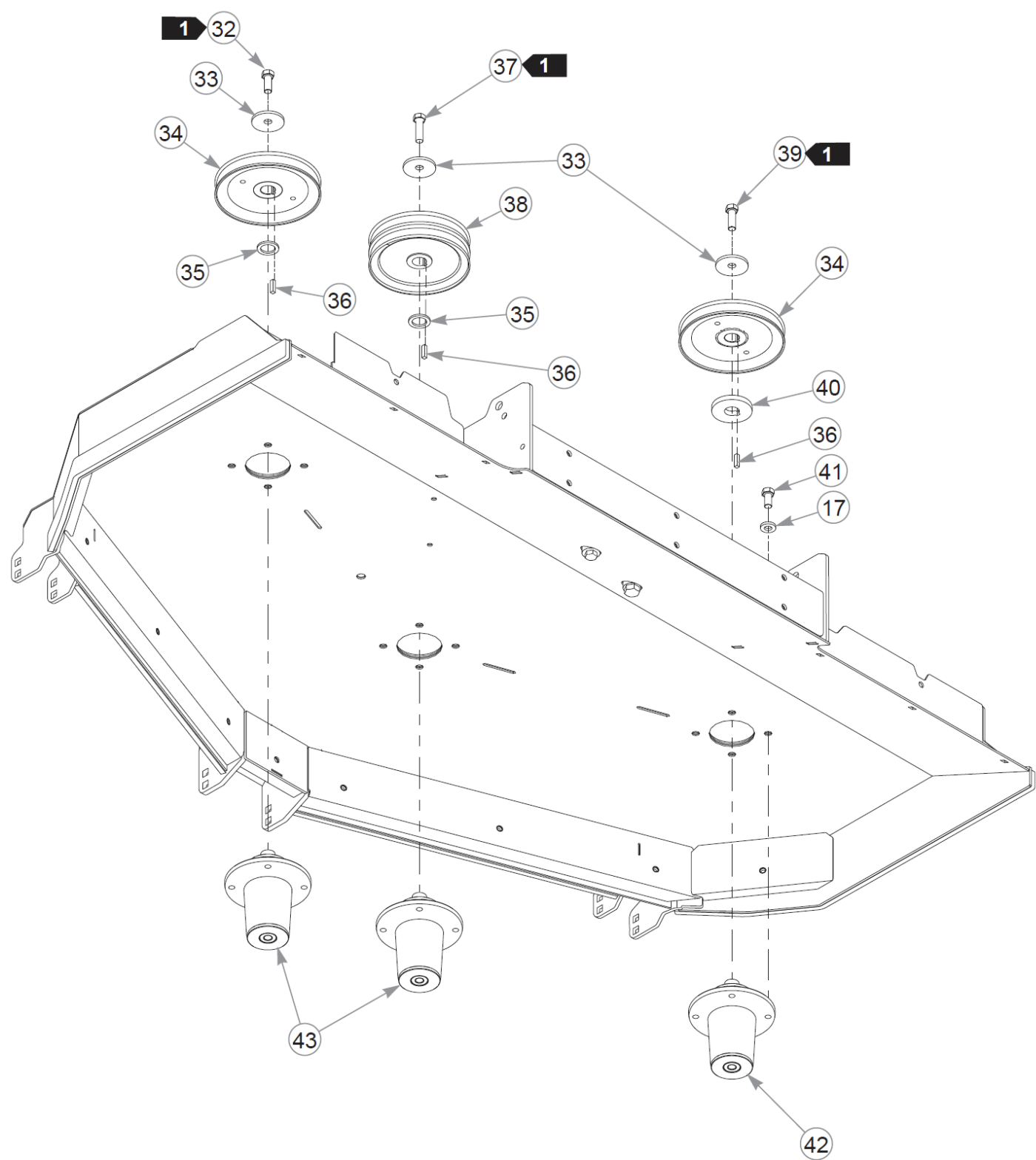
| Item | Part No. | Qty | Name                    |
|------|----------|-----|-------------------------|
| 1    | 554253   | 1   | SVC, DECK DECAL ASSY    |
| 2    | 601069   | 6   | CN .312-18x.200 MAX THK |
| 3    | 603349   | 1   | DECAL, 2 BELT ROUTING   |
| 4    | 601837   | 2   | DECAL, DECK DANGERS     |
| 5    | 601892   | 2   | DECAL, THROWN OBJECTS   |
| 6    | 603391   | 2   | DECAL, RUBBER FLAP      |
| 7    | 786285   | 1   | DECAL, 72 DECK ID       |

Comments for Page: Service Deck

1. The deck includes decals and hardware.



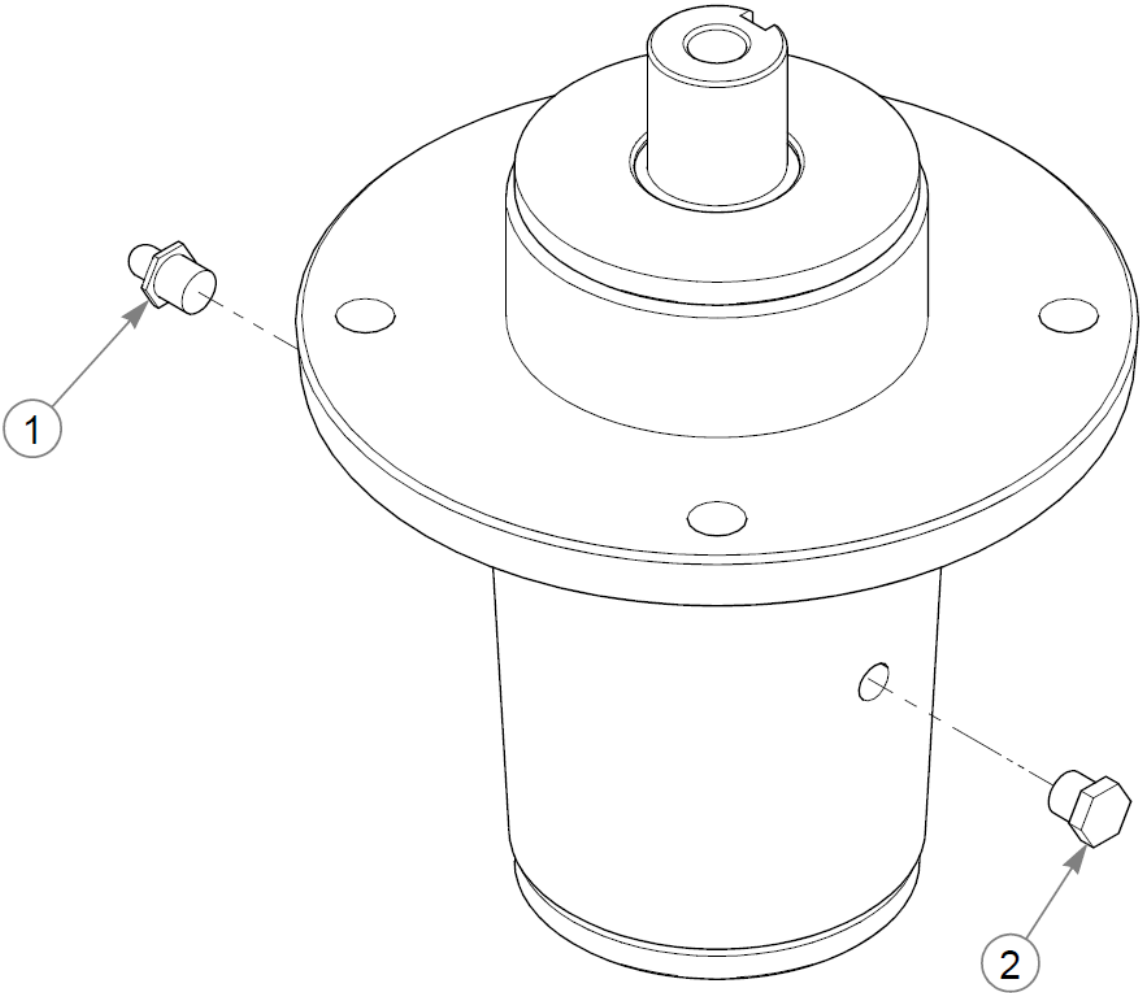
| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 794446   | 1   | CS .625-11X1.500HXG5     |
| 2    | 028118   | 12  | FW 0.625X1.00X.13 ZY     |
| 3    | 603057   | 5   | DUST SHIELD W/OFFSET     |
| 4    | 602672   | 4   | PULLEY, V-IDLER HBB 5.0" |
| 5    | 373191   | 2   | CHAIN, 21 LINK           |
| 6    | 781302   | 2   | IDLER SPRING             |
| 7    | 114105   | 1   | IDLER SLIDE W/A          |
| 8    | 784199   | 4   | CS .312-18X1.250 FLT SH  |
| 9    | 601619   | 2   | IDLER SLIDE UHMW RT & LT |
| 10   | 016642   | 4   | CS .625-11X2.000HXG5     |
| 11   | 025015   | 1   | CS .625-11X2.500HXG5     |
| 12   | 113088   | 1   | BELT GUIDE, W/A          |
| 13   | 603256   | 1   | SPACER DECK IDLER 1/2"LG |
| 14   | 602935   | 2   | DUST SHIELD, IDLER SM    |
| 15   | 602821   | 2   | IDLER, 6.0" RIVETED      |
| 16   | 781567   | 1   | NT .500-13NLG5           |
| 17   | 767962   | 13  | FW .531 x 1.063 x .175   |
| 18   | 770867   | 2   | BUSHING, PLAS .750x1(FS) |
| 19   | 109549   | 1   | BUSHING, IDLER PIVOT     |
| 20   | 114133   | 1   | IDLER ARM W/A, RD DECK   |
| 21   | 016972   | 2   | NT .625-11 HX G5 ZNYC    |
| 22   | 602963   | 1   | DUST SHIELD, IDLER LG    |
| 23   | 602838   | 1   | IDLER, 8.0" RIVETED      |
| 24   | 704759   | 1   | FW 0.500X1.25X.08 ZY     |
| 25   | 797910   | 2   | CS .312-18x1.50FLT SH ZY |
| 26   | 601779   | 1   | IDLER GUIDE, UHMW        |
| 27   | 788364   | 1   | IDLER PULLEY, NHI 4.288" |
| 28   | 782474   | 1   | CW .678 X 2.250 X .187   |
| 29   | 783738   | 1   | CS .625-11X3.000HXG5     |
| 30   | 768523   | 6   | FW 0.343SAE              |
| 31   | 058776   | 6   | NT .312-18NLG5           |
| 32   | 705954   | 1   | CS .500-13X1.25 HX G5 ZY |
| 33   | 752386   | 3   | CW .515X 2.25X .204 BLK  |
| 34   | 602745   | 2   | PULLEY, DRIVE 7.00 EFF   |
| 35   | 045765   | 2   | FW 1.030X1.50X.13 HD ZY  |
| 36   | 212472   | 3   | KEY 1/4 SQ X 1.00 LG(FS) |



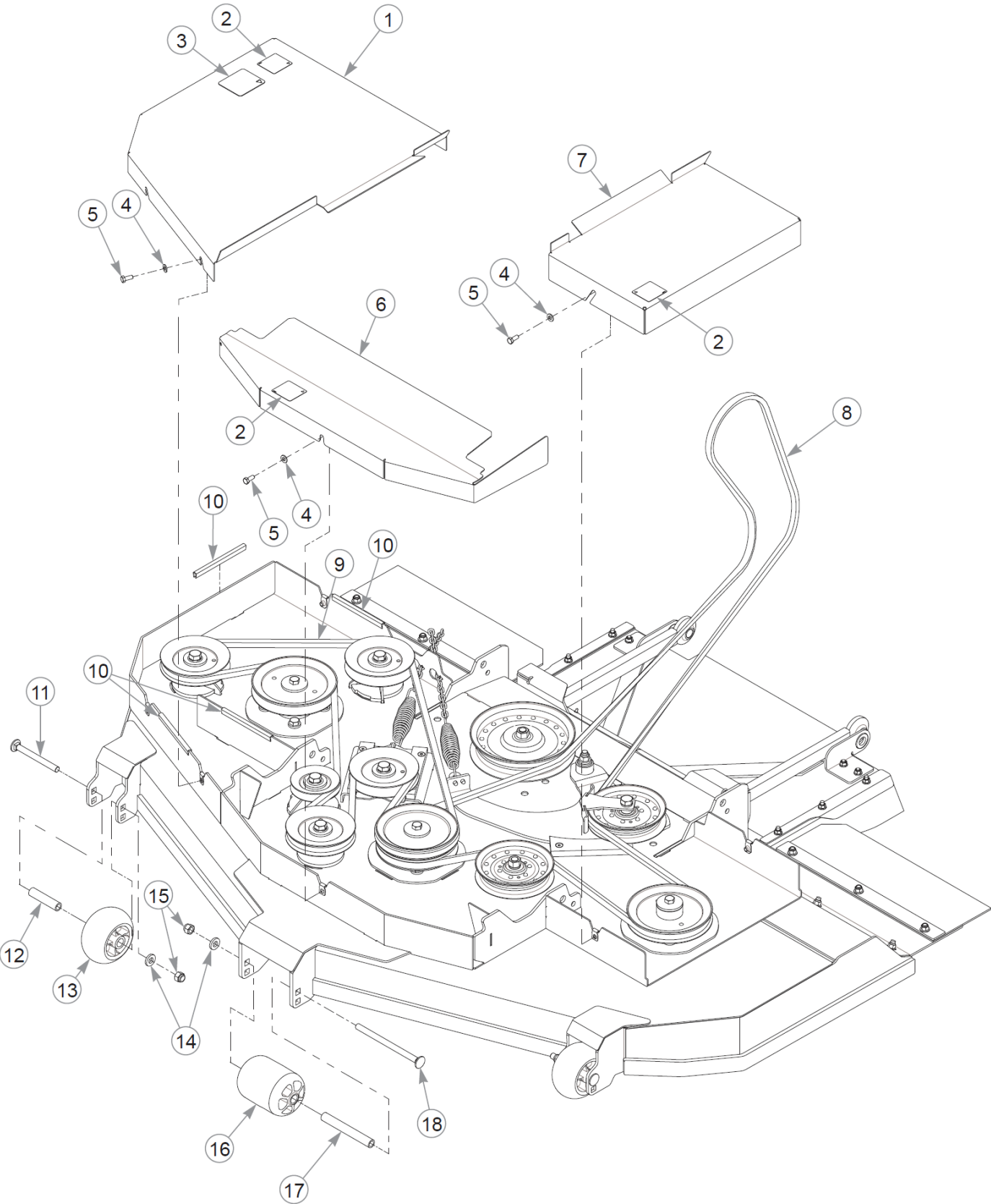
| Item                                                                       | Part No. | Qty | Name                     |
|----------------------------------------------------------------------------|----------|-----|--------------------------|
| 37                                                                         | 017616   | 1   | CS .500-13X1.750HXG5     |
| 38                                                                         | 770388   | 1   | PULLEY, (770388U) PTED   |
| 39                                                                         | 074252   | 1   | CS .500-13X1.50 HX G5 ZY |
| 40                                                                         | 114108   | 1   | SPACER 3/8" THICK        |
| 41                                                                         | 016527   | 12  | CS .500-13X1.000HXG5     |
| 42                                                                         | 604256   | 1   | SPINDLE ASSY DUCTILE CCW |
| Comments for Part Num. 604256                                              |          |     |                          |
| Spindle has no service parts available. Replace complete spindle assembly. |          |     |                          |
| 43                                                                         | 604255   | 2   | SPINDLE ASSY, DUCTILE    |
| Comments for Part Num. 604255                                              |          |     |                          |
| Spindle has no service parts available. Replace complete spindle assembly. |          |     |                          |

Comments for Page: Deck Pulleys &amp; Spindles (Multi-Page)

1. Torque to 88–102 N•m.



| Item | Part No. | Qty | Name           |
|------|----------|-----|----------------|
| 1    | 607477   | 1   | GREASE ZERK    |
| 2    | 607478   | 1   | RELIEF FITTING |

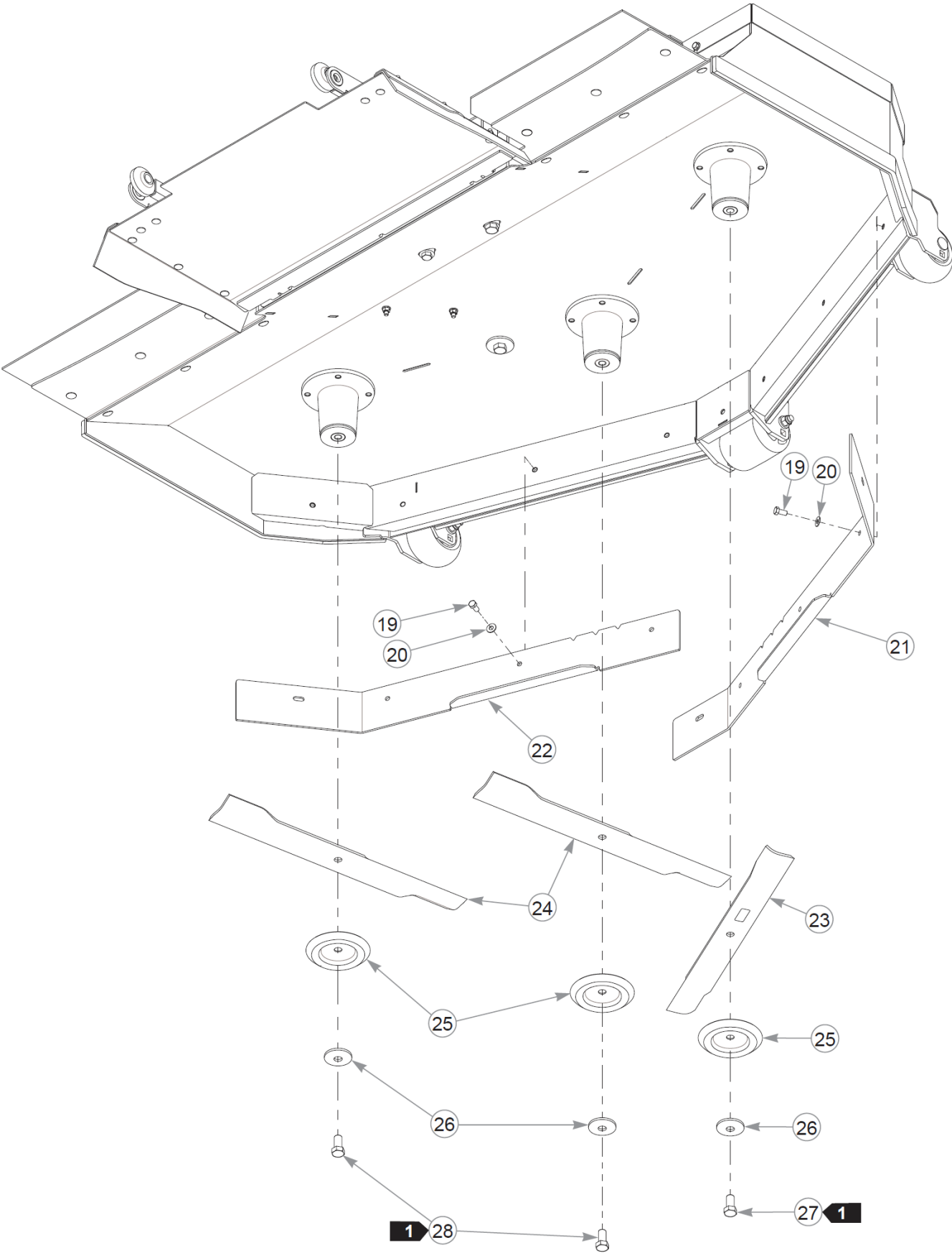




## Deck Belts, Pulley Covers & Blades

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 554763   | 1   | SVC, PULLEY COVER RH     |
| 2    | 602562   | 3   | DECAL, NO SERVICE        |
| 3    | 601837   | 1   | DECAL, DECK DANGERS      |
| 4    | 768523   | 6   | FW 0.343SAE              |
| 5    | 034280   | 6   | CS .312-18X0.750HXG5     |
| 6    | 554759   | 1   | SVC, PULLEY COVER FRONT  |
| 7    | 554758   | 1   | SVC, PULLEY COVER LH     |
| 8    | 603522   | 1   | BELT, B-SEC              |
| 9    | 603397   | 1   | BELT, BB-SECTION         |
| 10   | 111339   | 4   | TRIM, FLEX 6" length     |
| 11   | 607288   | 2   | CB .50-13X4.75 STD ZN    |
| 12   | 602345   | 2   | SPACER, ANTI-SCALP 3.22  |
| 13   | 602263   | 2   | WHEEL, ANTI-SCALP        |
| 14   | 767962   | 3   | FW .531 x 1.063 x .175   |
| 15   | 781567   | 3   | NT .500-13NLG5           |
| 16   | 602341   | 1   | WHEEL, ANTI-SCALP        |
| 17   | 602344   | 1   | SPACER, ANTI- SCALP 5.73 |
| 18   | 602338   | 1   | CB .50-13 X 7.50 STD ZN  |
| 19   | 055822   | 9   | CS .375-16X0.75 HX G5 ZY |
| 20   | 767954   | 9   | FW 0.379X.82X.06 HD ZY   |
| 21   | 115902   | 1   | BAFFLE RS CE             |
| 22   | 115903   | 1   | BAFFLE, LS CE            |
| 23   | 796508   | 1   | BLADE, F23.86-L-F-CCW    |
| 24   | 796839   | 2   | BLADE, F23.86-L-F-CW     |
| 25   | 114988   | 3   | SHIELD, BLADE BOLT       |
| 26   | 782474   | 3   | CW .678 X 2.250 X .187   |
| 27   | 604383   | 1   | CS .625-11X1.250 G5 LHT  |
| 28   | 781872   | 2   | CS .625-11X1.250HXG5     |

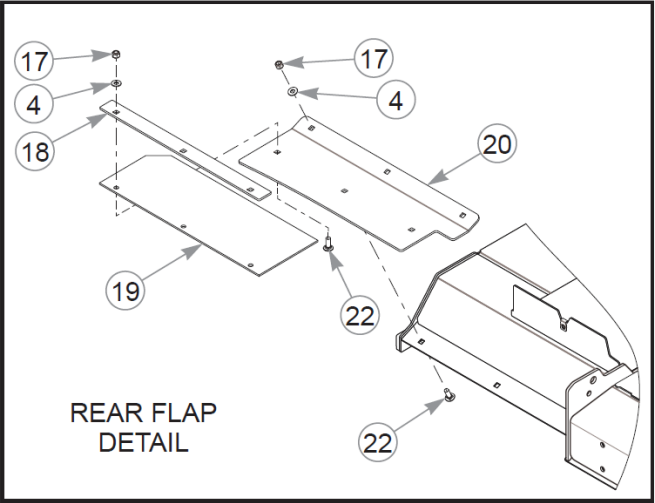
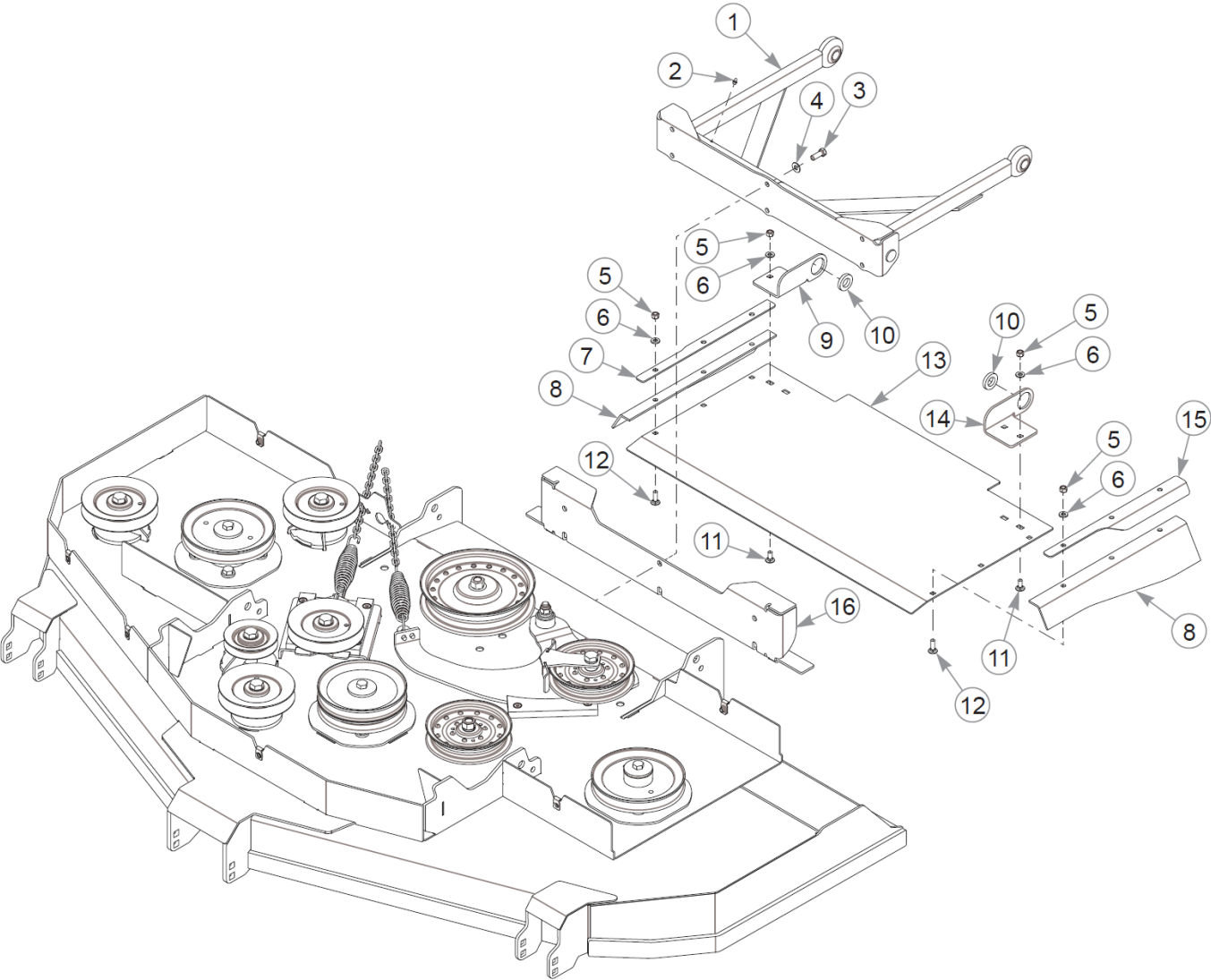


## Deck Belts, Pulley Covers & Blades

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

Comments for Page: Deck Belts, Pulley Covers & Blades

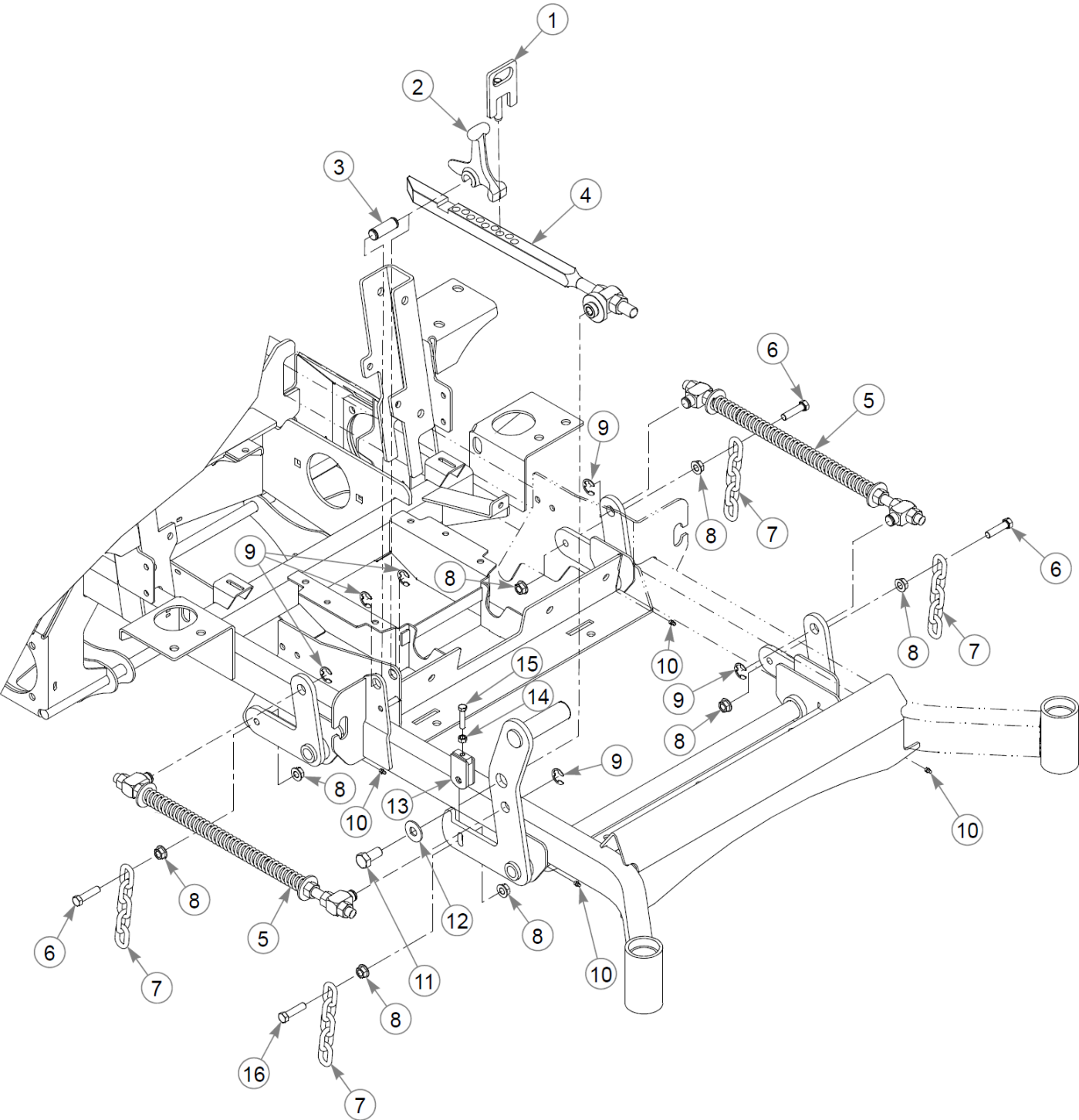
1. Torque to 160 N•m.2. The pulleys covers include the decals.



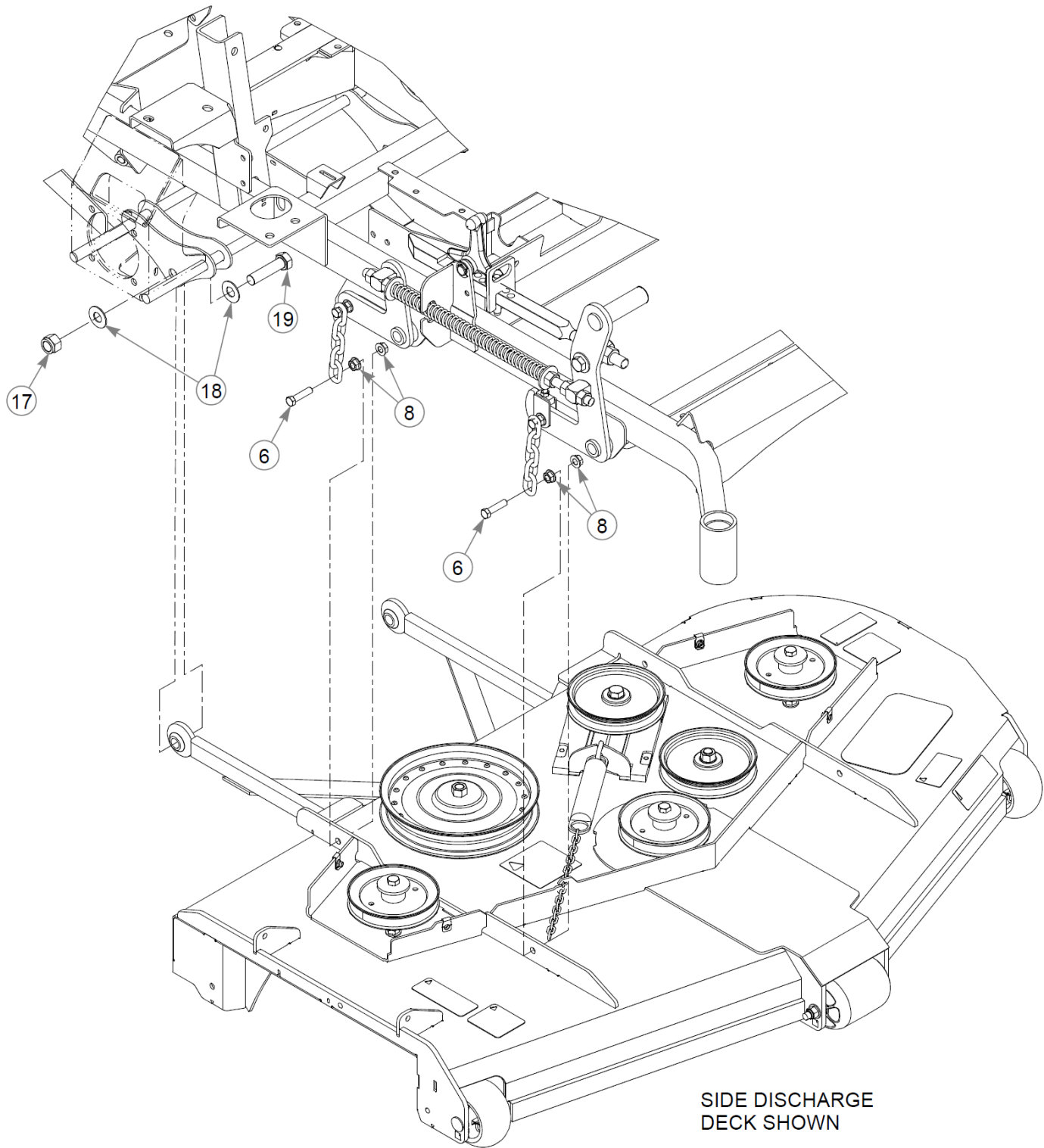
## Deck Shield

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 113340   | 1   | PUSHER W/A, HZ/SZ        |
| 2    | 015495   | 2   | GREASE FITTING STRAIGHT  |
| 3    | 036244   | 6   | CS .375-16X1.00 HX G5 ZY |
| 4    | 767954   | 18  | FW 0.379X.82X.06 HD ZY   |
| 5    | 058776   | 10  | NT .312-18NLG5           |
| 6    | 768523   | 10  | FW 0.343SAE              |
| 7    | 109487   | 1   | CLAMP ANGLE RS           |
| 8    | 601483   | 2   | SIDE FLAP, RUBBER        |
| 9    | 109483   | 1   | CHUTE BRACKET            |
| 10   | 778399   | 2   | FW .781X1.38X.25 ZY      |
| 11   | 016253   | 4   | CB .312-18X .750 FUL ZN  |
| 12   | 037887   | 6   | CB .312-18X .750 FUL ZN  |
| 13   | 115533   | 1   | SHIELD, DISCHARGE RD     |
| 14   | 109482   | 1   | CHUTE BRACKET            |
| 15   | 109486   | 1   | CLAMP ANGLE LS           |
| 16   | 114522   | 1   | STOP, REAR DECK W/A      |
| 17   | 086660   | 12  | NT .375-16NLG8           |
| 18   | 110473   | 2   | CLAMP BRACKET            |
| 19   | 601697   | 2   | RUBBER DISCHARGE FLAP    |
| 20   | 110472   | 1   | EXTENSTION BRACKET, LH72 |
| 21   | 110471   | 1   | EXTENSION BRACKET,RH 72" |
| 22   | 025395   | 12  | CB .375-16X 1.00 G5 ZNY  |

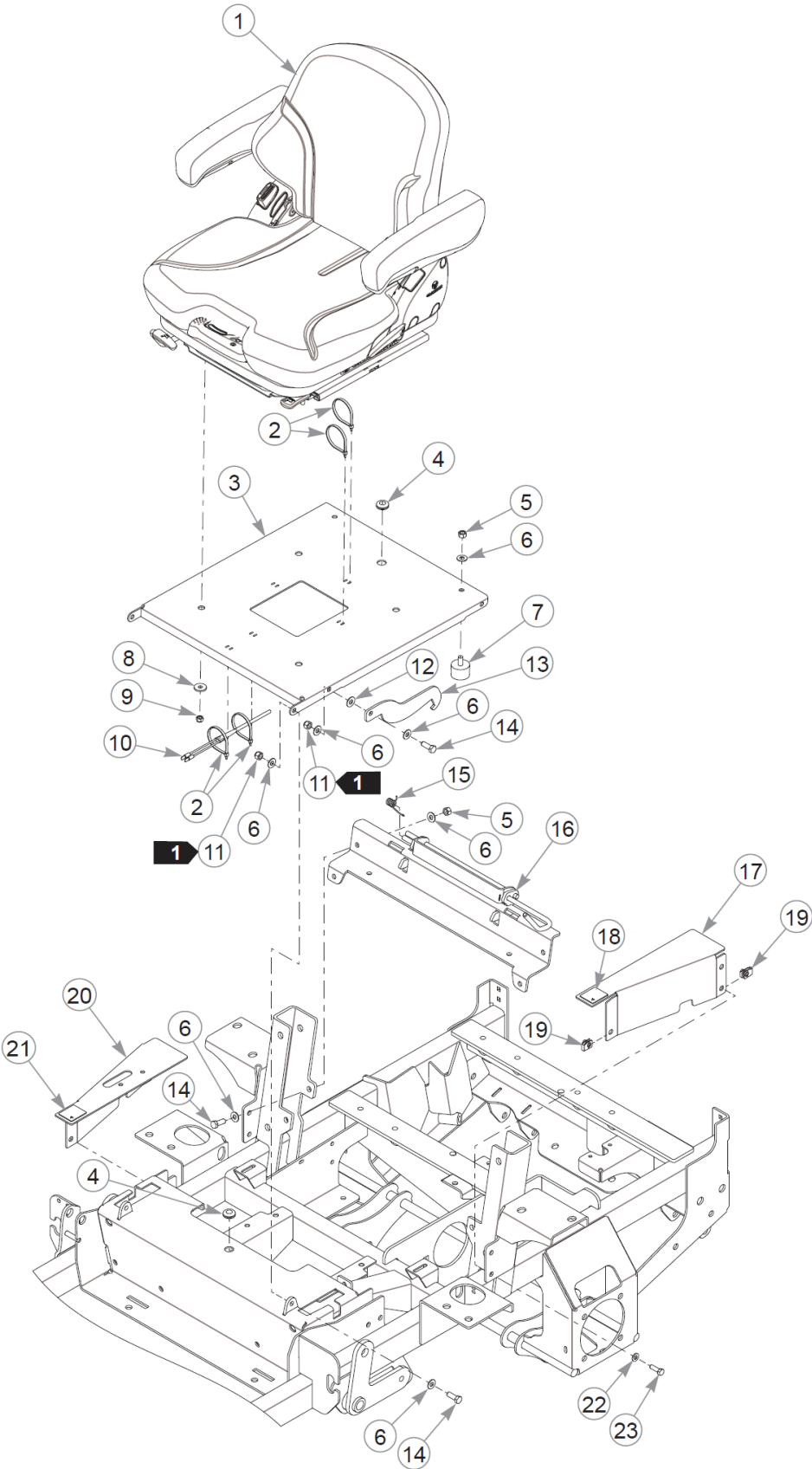


| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 600437   | 1   | PIN, DECK HEIGHT W/A     |
| 2    | 348318   | 1   | HANDLE, STOP             |
| 3    | 781229   | 1   | CE .750X2.25 X1.75 HEAD  |
| 4    | 602898   | 1   | DECK LIFT                |
| 5    | 603184   | 2   | DECK LIFT SPRING S/A     |
| 6    | 055749   | 7   | CS .437-14X1.750HXG5     |
| 7    | 348391   | 4   | CHAIN, DECK LIFT         |
| 8    | 704643   | 16  | NT .437-14FLKG5          |
| 9    | 781294   | 6   | CLIP E, 1.00 X.625X .05  |
| 10   | 015495   | 4   | GREASE FITTING STRAIGHT  |
| 11   | 781872   | 1   | CS .625-11X1.250HXG5     |
| 12   | 704783   | 1   | FW 0.625X1.500X0.105     |
| 13   | 348458   | 1   | YOKE W/A, DECK LEVELER   |
| 14   | 034272   | 1   | NT .312-18HXG5           |
| 15   | 756270   | 1   | CS .312-18X1.500HXG5     |
| 16   | 781831   | 1   | CS .437-14x1.75 FULTHG5  |
| 17   | 061101   | 2   | NT .750-10 HX ZY NL GR B |
| 18   | 025296   | 4   | FW .760X1.63X0.08 ZY     |
| 19   | 789115   | 2   | CS .750-10X3.500HXG5     |





This page intentionally left blank

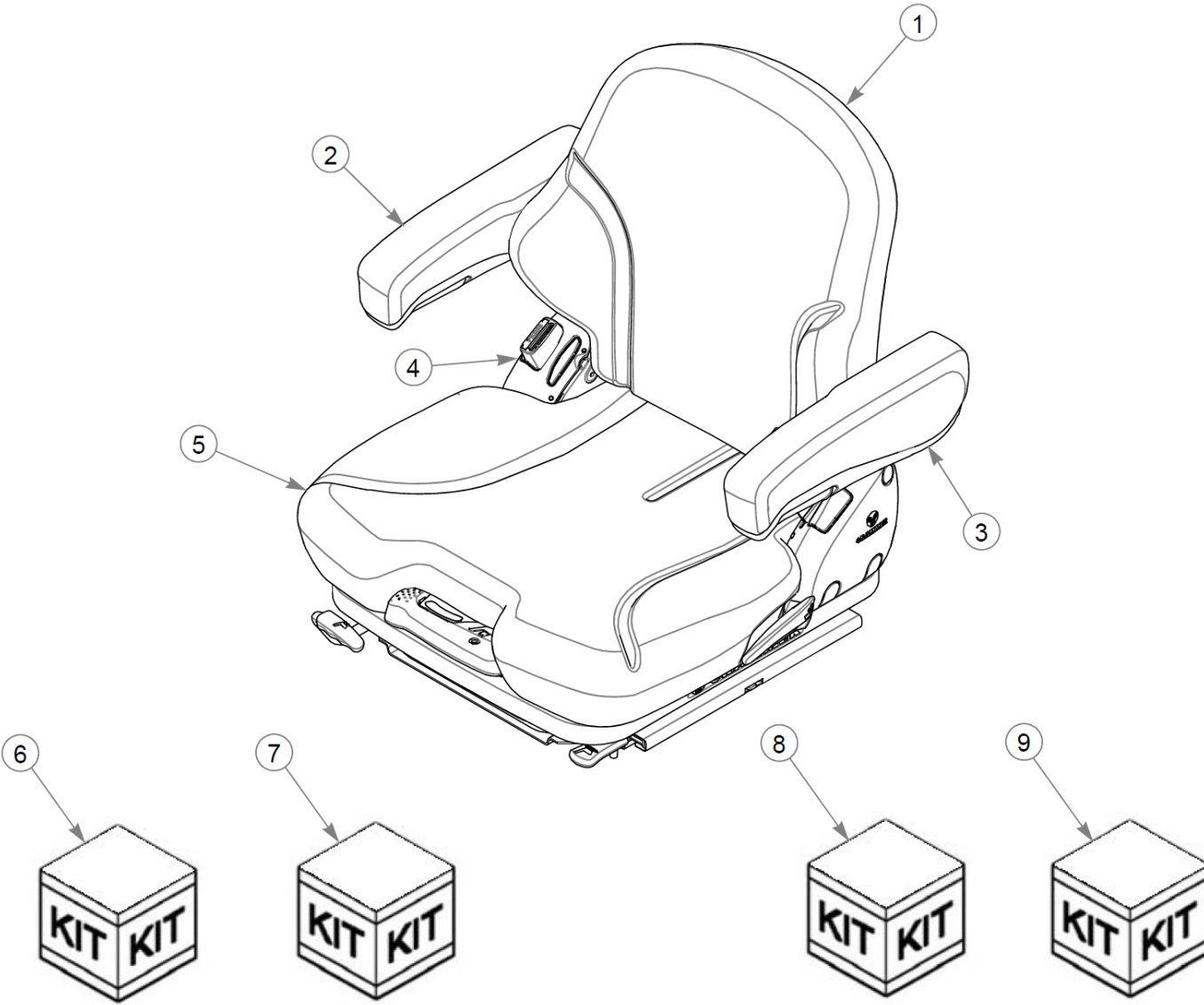


## Seat

| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 605696   | 1   | SEAT, GRAMMER W ISOLATOR |
| 2    | 000331   | 4   | WIRE TIE, SMALL/SHORT    |
| 3    | 551136   | 1   | SEAT PAN, SERVICE        |
| 4    | 080358   | 2   | GM .50X1.00X.75X.12      |
| 5    | 054502   | 6   | NT .375-16HXG5           |
| 6    | 767954   | 16  | FW 0.379X.82X.06 HD ZY   |
| 7    | 601650   | 2   | VIBRATION MOUNT 70DURO   |
| 8    | 712927   | 4   | FW 0.344X1.00X.12 HD ZY  |
| 9    | 058776   | 4   | NT .312-18NLG5           |
| 10   | 604439   | 1   | PIGTAIL, SEAT SWITCH     |
| 11   | 086660   | 3   | NT .375-16NLG8           |
| 12   | 724716   | 1   | WASHER, FIBER (FS)       |
| 13   | 350421   | 1   | SEAT PAN STOP (PLATED)   |
| 14   | 036244   | 7   | CS .375-16X1.00 HX G5 ZY |
| 15   | 795583   | 1   | SPRING,TORSION - DIESEL  |
| 16   | 109684   | 1   | SEAT CATCH W/A           |
| 17   | 551138   | 1   | LH FRAME COVER, SERVICE  |
| 18   | 785139   | 1   | DECAL, STEERING L.S.     |
| 19   | 601069   | 6   | CN .312-18x.200 MAX THK  |
| 20   | 551137   | 1   | RH FRAME COVER, SERVICE  |
| 21   | 785220   | 1   | DECAL, STEERING R.S.     |
| 22   | 768523   | 6   | FW 0.343SAE              |
| 23   | 036236   | 6   | CS .312-18X1.250HXG5     |

Comments for Page: Seat

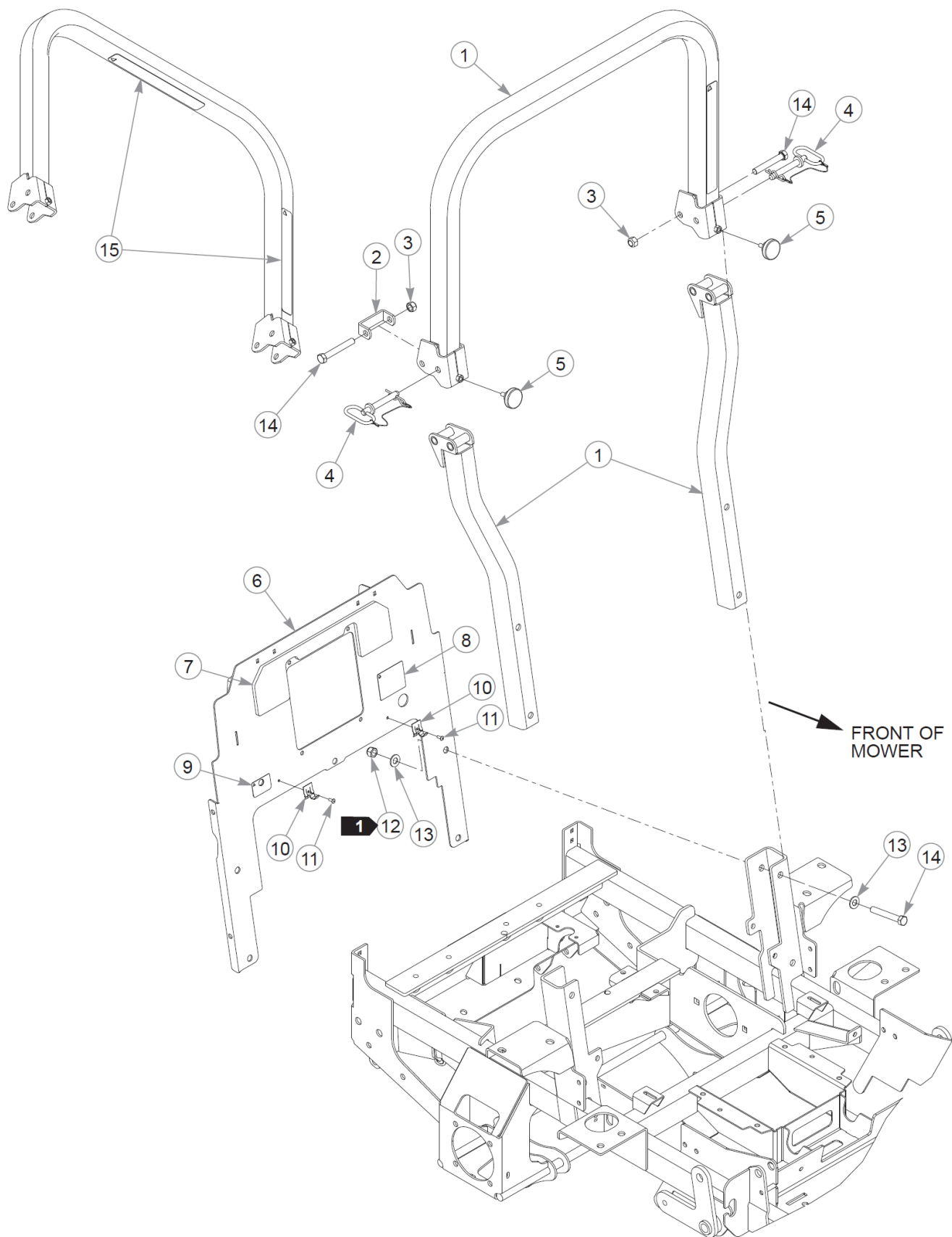
1. Do not torque; the seat pan & seat pan stop must pivot freely.



## Seat Service Parts

72" Diesel Z Parts Manual - 938217CE - HTHDZR072SHIS773LC

| Item      | Part No. | Qty | Name                     |
|-----------|----------|-----|--------------------------|
| Not Shown | 605696   | 1   | SEAT, GRAMMER W ISOLATOR |
| 1         | 605750   | 1   | CUSHION KIT, BACK, EXCEL |
| 2         | 604938   | 1   | ARMREST, RIGHT           |
| 3         | 604937   | 1   | ARMREST, LEFT            |
| 4         | 604941   | 1   | SEAT BELT                |
| 5         | 605752   | 1   | CUSHION KIT, SEAT, EXCEL |
| 6         | 604973   | 1   | KIT, SEAT SWITCH         |
| 7         | 119287   | 1   | KIT, SLIDE               |
| 8         | 119288   | 1   | KIT, ISOLATOR            |
| 9         | 607248   | 1   | SVC, SEAT HANDLE KIT     |



| Item | Part No. | Qty | Name                     |
|------|----------|-----|--------------------------|
| 1    | 603473   | 1   | KIT, ROPS HDZ            |
| 2    | 601472   | 1   | ROPS STOP                |
| 3    | 023317   | 2   | NT .500-13UNTG8          |
| 4    | 601471   | 2   | LYNCH PIN W/ LANYARD     |
| 5    | 601470   | 2   | KNOB, HAND FOR ROPS      |
| 6    | 551140   | 1   | FIREWALL ASSY, SERVICE   |
| 7    | 601559   | 1   | SEAT PAD, FIREWALL       |
| 8    | 601377   | 1   | DECAL, CHECK ENG OIL     |
| 9    | 601246   | 1   | DECAL, FUEL VALVE HDZ    |
| 10   | 010306   | 2   | LUDWIG SNAP FASTNER A-1  |
| 11   | 601089   | 2   | RIVET .188 DIA BLK HD    |
| 12   | 781567   | 4   | NT .500-13NLG5           |
| 13   | 767962   | 8   | FW .531 x 1.063 x .175   |
| 14   | 061812   | 6   | CS .500-13X3.50 HX G5 ZY |
| 15   | 601635   | 2   | DECAL, ROP'S             |

Comments for Page: ROPS & Firewall

1. Torque to 99 N•m..
2. The ROPS kit includes decals, hardware and seatbelt.
3. The firewall kit includes decals, seat pad and hardware.