

# 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.

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## 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.

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### **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               |

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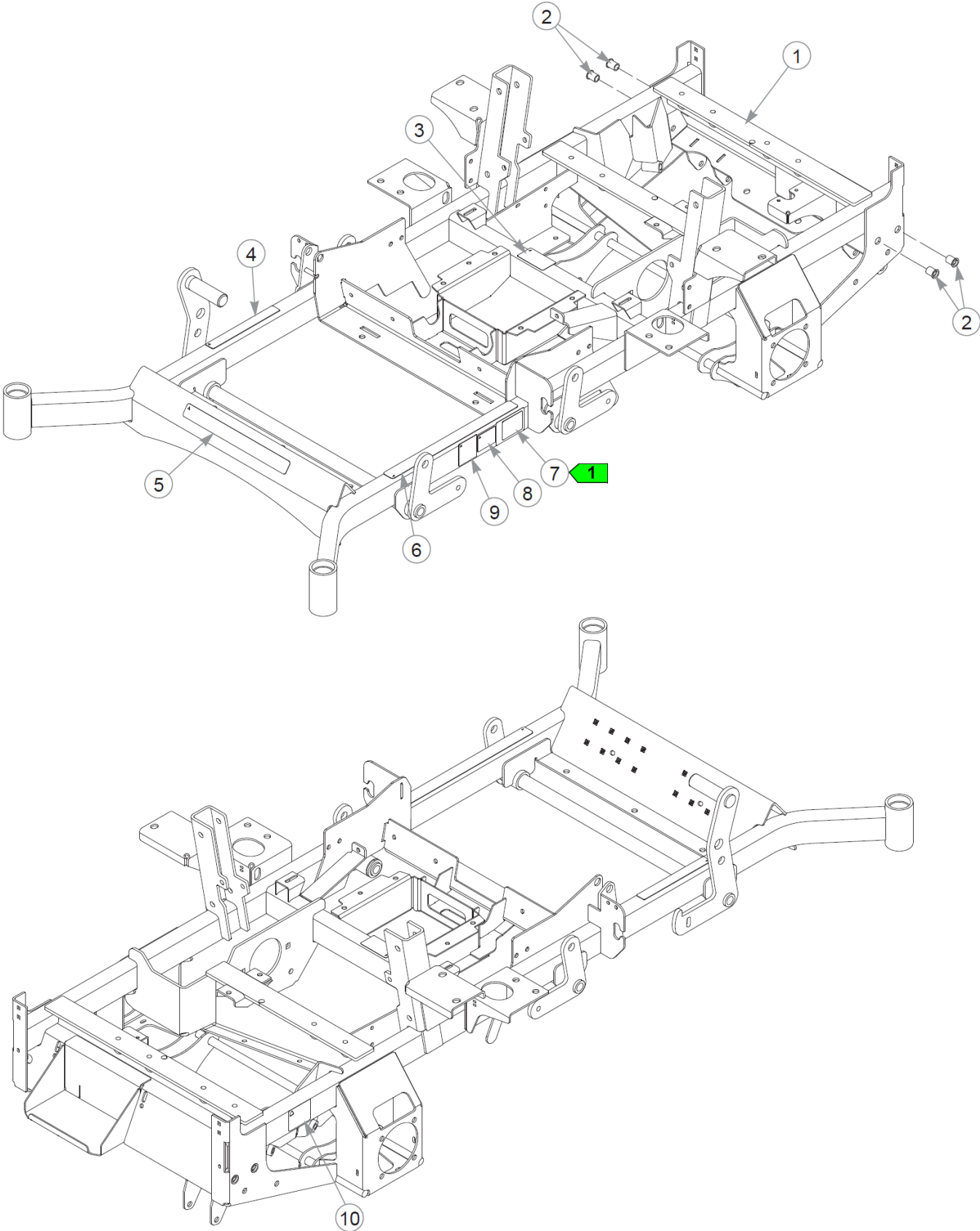
### **Standard Torques**

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   |

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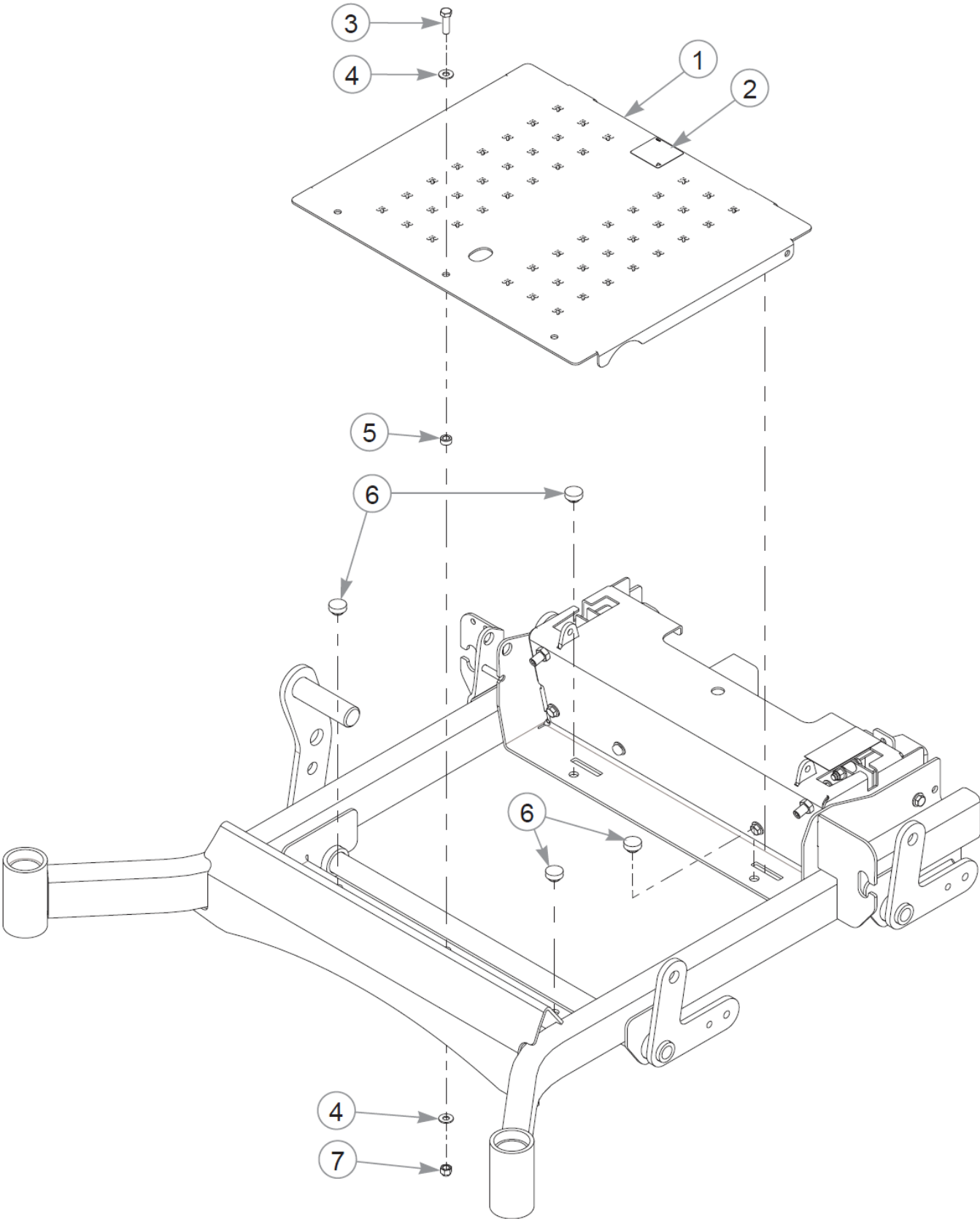
## Frame

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

| Élément | Numéro de pièce | Qté | Nom                         |
|---------|-----------------|-----|-----------------------------|
| 1       | 551153CE        | 1   | SERVICE FRAME, 60"          |
| 2       | 600961          | 4   | RIVET NUT, 1/2-13 THREAD    |
| 3       | 601968          | 1   | DECAL, HYDRAULIC PRESS      |
| 4       | 781427CE        | 1   | DECK HEIGHT INDICATOR DECAL |
| 5       | 602407          | 1   | DECAL, HUSTLER ID           |
| 6       | 601993          | 1   | DECAL, SAFE OPERATION       |
| 7       | N/A             | 1   | SERIAL NO / SPEC DECAL      |
| 8       | 776310          | 1   | DECAL, CE MARK              |
| 9       | 789776CE        | 1   | DBA LIMIT DECAL             |
| 10      | 601596          | 1   | DECAL, BELT ROUTING         |

Comments for Page: Frame

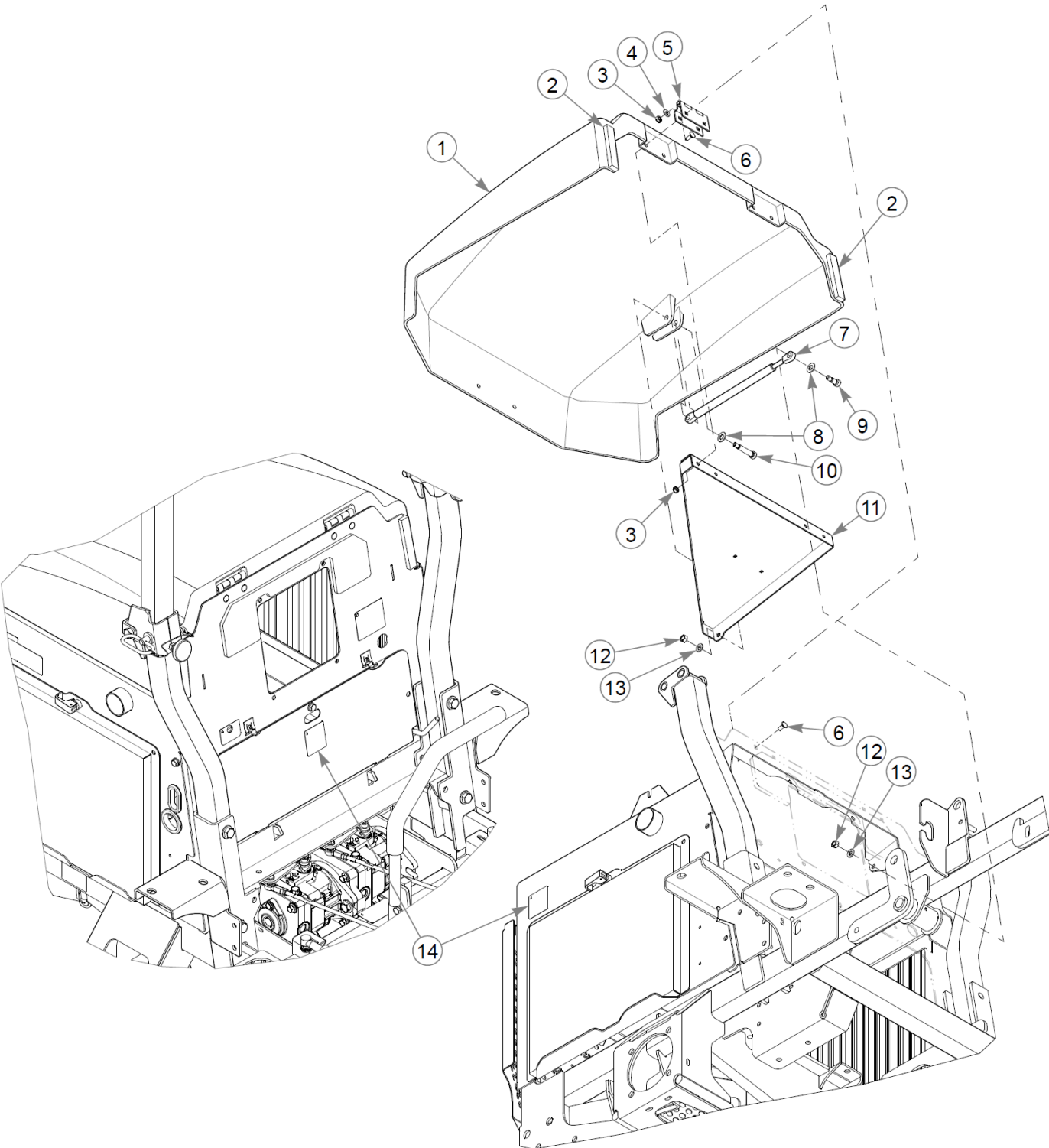
1. Serial number decal. In the event the serial number decal becomes damaged or illegible, please contact your dealer to order a replacement.
2. The frame includes the decals and rivet nuts.



| Élément | Numéro de pièce | Qté | Nom                      |
|---------|-----------------|-----|--------------------------|
| 1       | 551139          | 1   | FLOORPAN, SERVICE        |
| 2       | 602562          | 1   | DECAL, NO SERVICE        |
| 3       | 052860          | 1   | CS .375-16X1.25 HX G5 ZN |
| 4       | 767954          | 2   | FW 0.379X.82X.06 HD ZN   |
| 5       | 118900          | 1   | SPACER, DECK LIFT LINK   |
| 6       | 781880          | 4   | BUMPER, .500x 1.00x .31  |
| 7       | 086660          | 1   | NT .375-16NLG8           |

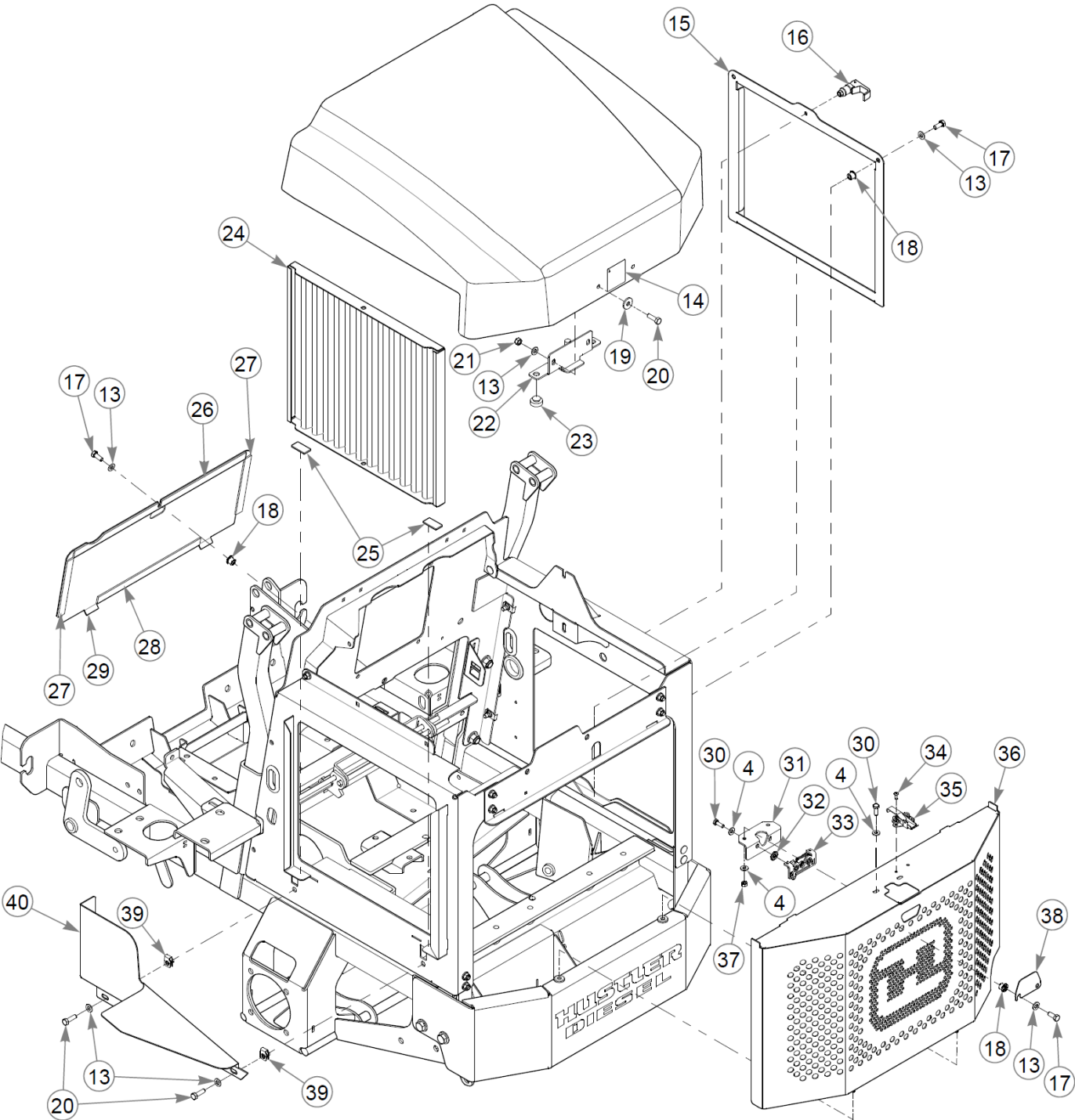
Comments for Page: Footrest

1. The floor plate includes the decal.



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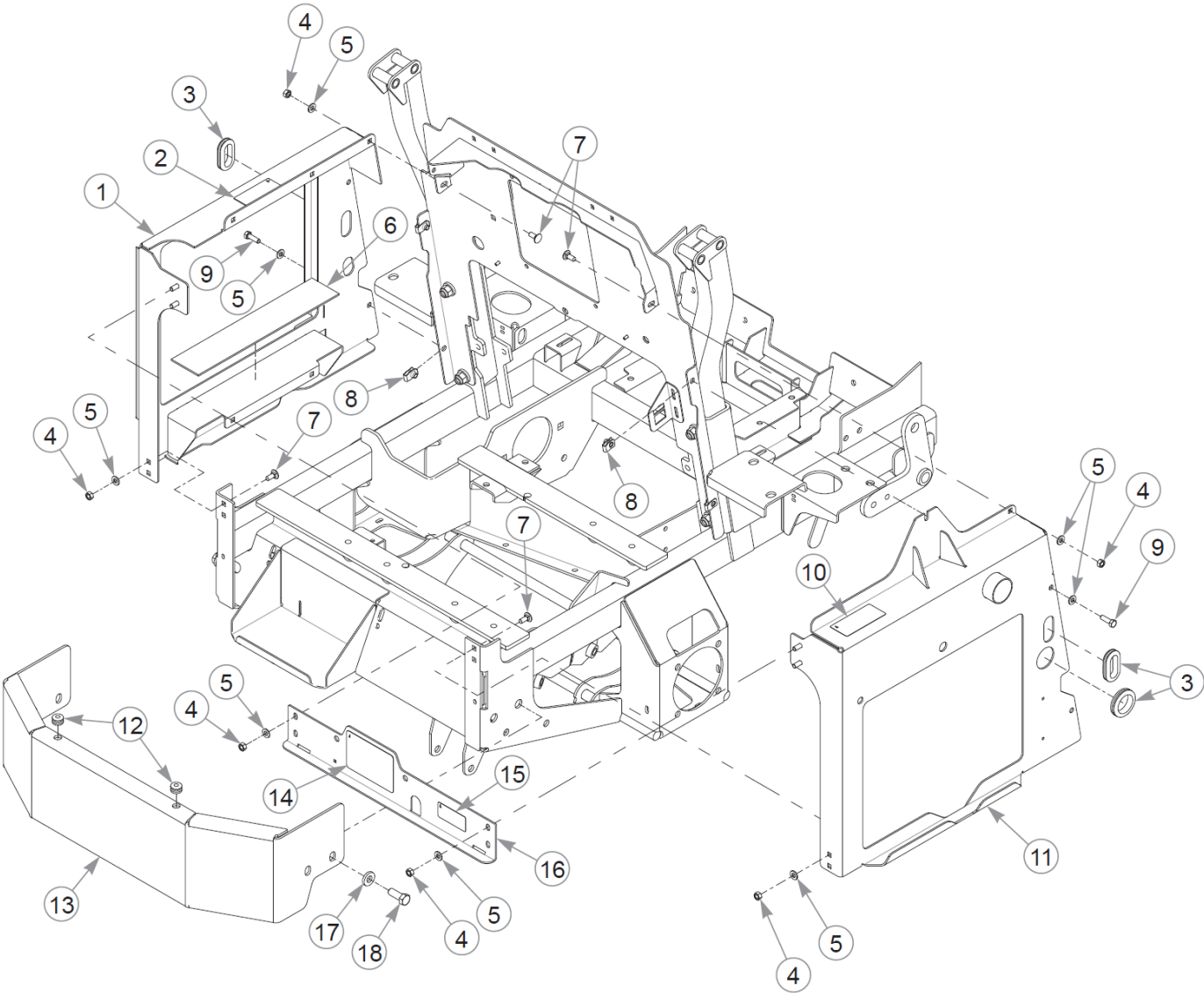
| Élément | Numéro de pièce | Qté | Nom                      |
|---------|-----------------|-----|--------------------------|
| 1       | 601363          | 1   | HOOD, HDZ                |
| 2       | 713198          | 2   | SEAL 3/8x3/4 SOLD BY FT  |
| 3       | 068551          | 8   | NT .250-20 HXZY NL       |
| 4       | 768515          | 10  | FW 0.281SAE              |
| 5       | 601364          | 2   | HINGE, 3"X3" ZN W/ HOLES |
| 6       | 601503          | 8   | CB .250-20 X .625 ZN     |
| 7       | 601564          | 1   | GAS SPRING, HDZ HOOD     |
| 8       | 767954          | 2   | FW 0.379X.82X.06 HD ZN   |
| 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 ZN  |
| 20      | 036236          | 4   | CS .312-18X1.000HXG5     |
| 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 ZN |
| 31      | 124364-1        | 1   | LATCH BRACKET            |
| 32      | 029868          | 2   | LW .250 INTEXT ZN        |
| 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      |

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## Engine Cover (Multi-Page)

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| Élément | Numéro de pièce | Qté | Nom                     |
|---------|-----------------|-----|-------------------------|
| 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     |



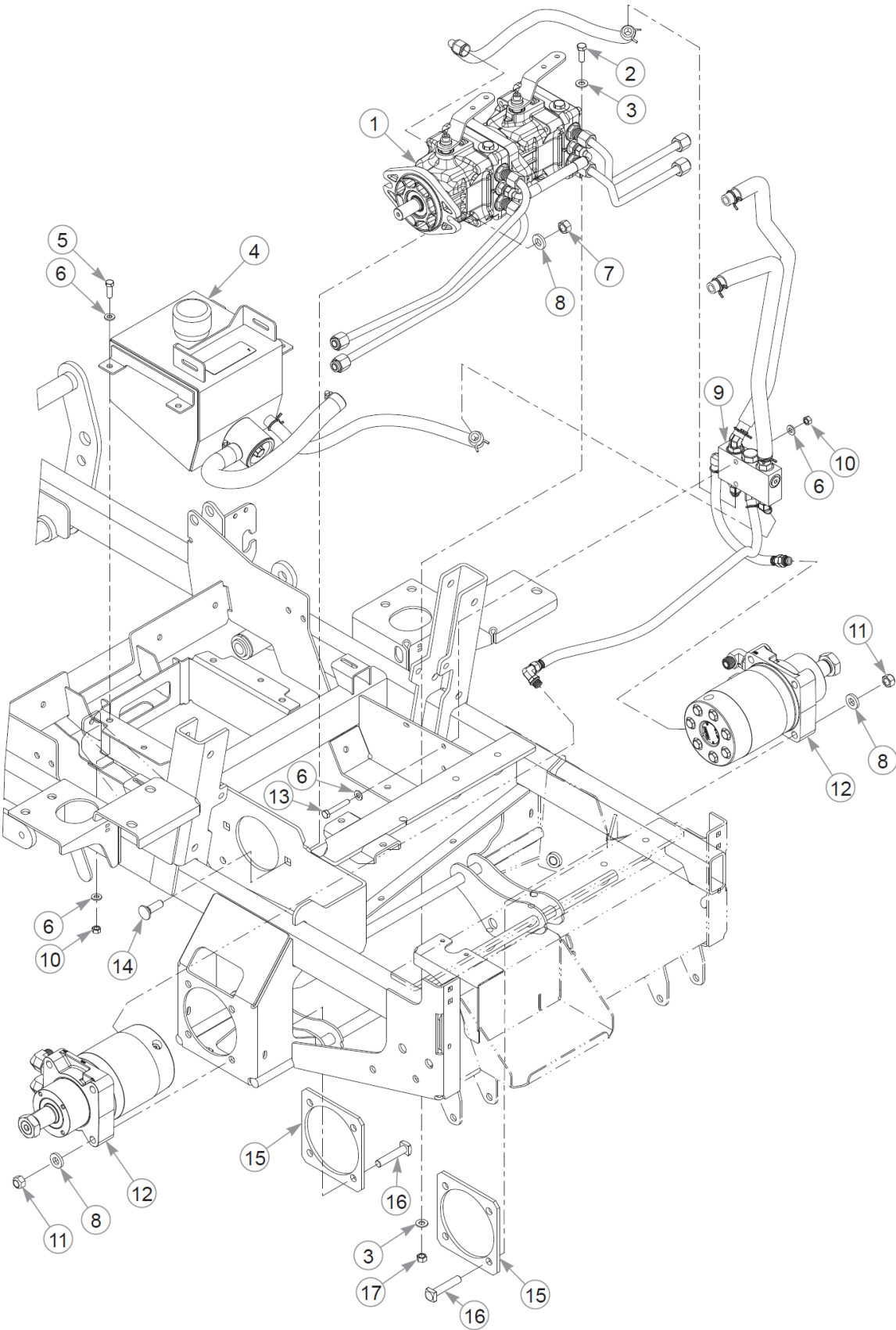
## Radiator & Air Cleaner Support

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

| Élément | Numéro de pièce | Qté | Nom                      |
|---------|-----------------|-----|--------------------------|
| 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 .312-18X1.000HXG5     |
| 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 ZN |

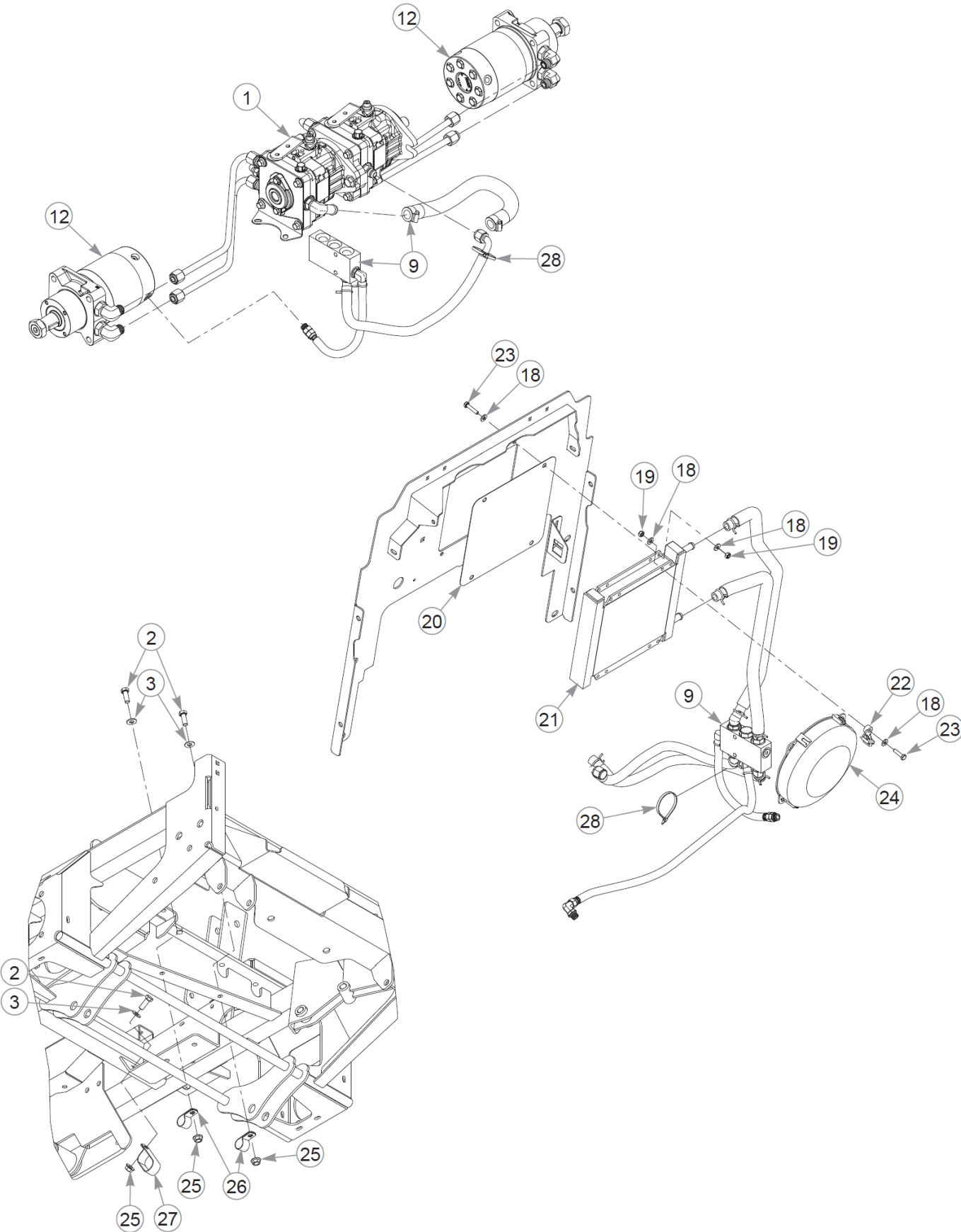
Comments for Page: Radiator & Air Cleaner Support

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

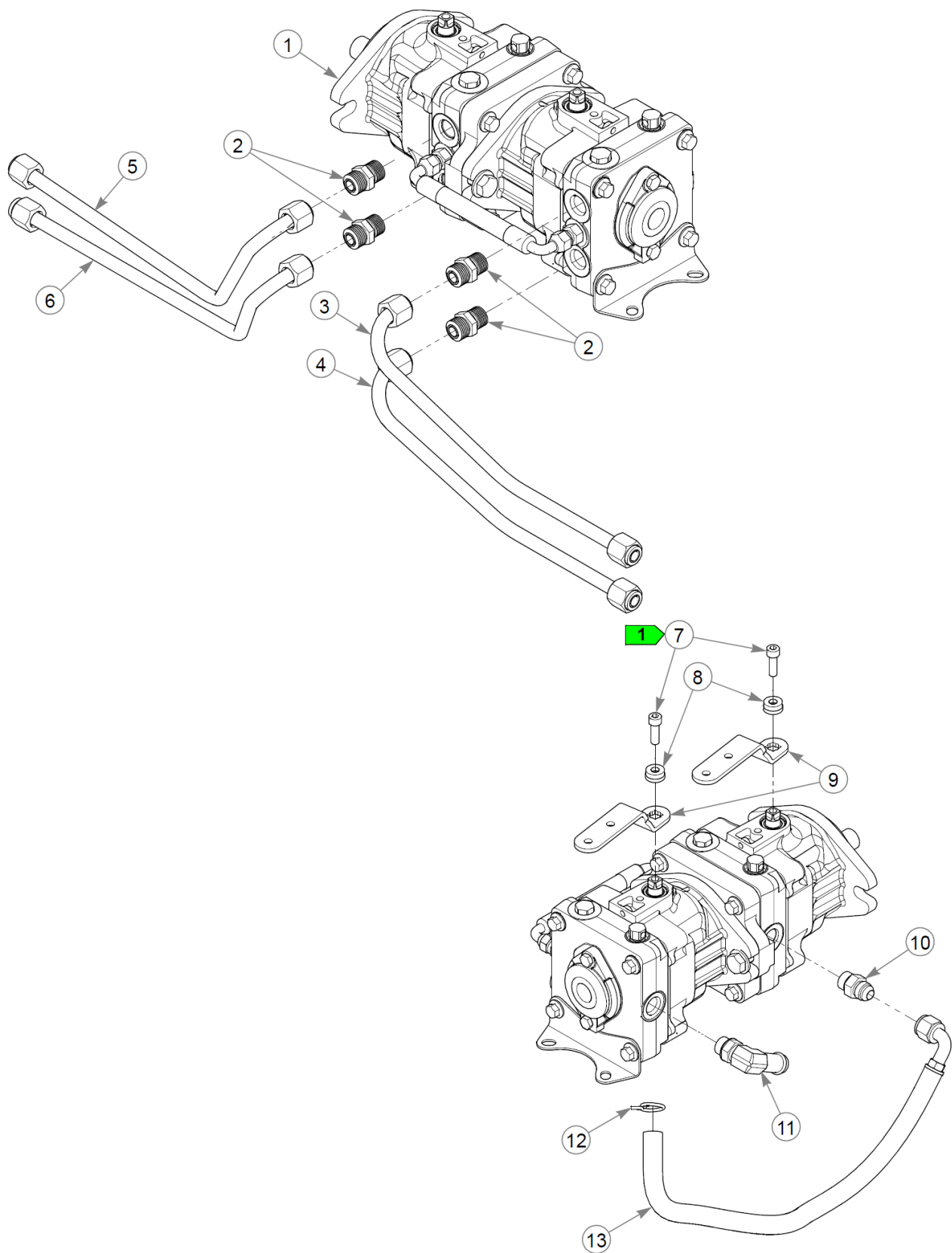


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| Élément | Numéro de pièce | Qté | Nom                           |
|---------|-----------------|-----|-------------------------------|
| 1       | N/A             | 1   | REFER TO "PUMP ASSEMBLY"      |
| 2       | 036244          | 5   | CS .375-16X1.00 HX G5 ZN      |
| 3       | 767954          | 7   | FW 0.379X.82X.06 HD ZN        |
| 4       | N/A             | 1   | REFER TO "RESERVOIR ASSEMBLY" |
| 5       | 036236          | 4   | CS .312-18X1.000HXG5          |
| 6       | 768523          | 12  | FW 0.343SAE                   |
| 7       | 008193          | 2   | NT .500-13HXG5                |
| 8       | 767962          | 10  | FW .531 x 1.063 x .175        |
| 9       | N/A             | 1   | REFER TO "MANIFOLD ASSEMBLY"  |
| 10      | 034272          | 6   | NT .312-18HXG5                |
| 11      | 023317          | 8   | NT .500-13UNTG8               |
| 12      | N/A             | 2   | REFER TO "MOTOR ASSEMBLY"     |
| 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      | 768515          | 16  | FW 0.281SAE                   |
| 19      | 068551          | 8   | NT .250-20 HXZY NL            |
| 20      | 109401          | 1   | SCREEN, OIL COOLER            |
| 21      | 608007          | 1   | OIL COOLER                    |
| 22      | 601538          | 4   | FOOT, ELECTRIC FAN            |
| 23      | 056077          | 8   | CS .250-20X1.000HXG5          |
| 24      | 601357          | 1   | FAN, ELECTRIC 8" 12VDC        |
| 25      | 016899          | 3   | NT .375-16 FLKG5              |
| 26      | 043570          | 2   | CLIP - HOSE - SINGLE(FS)      |
| 27      | 045088          | 1   | HOSE CLAMP 1" (FS)            |
| 28      | 000331          | 2   | WIRE TIE, SMALL/SHORT         |



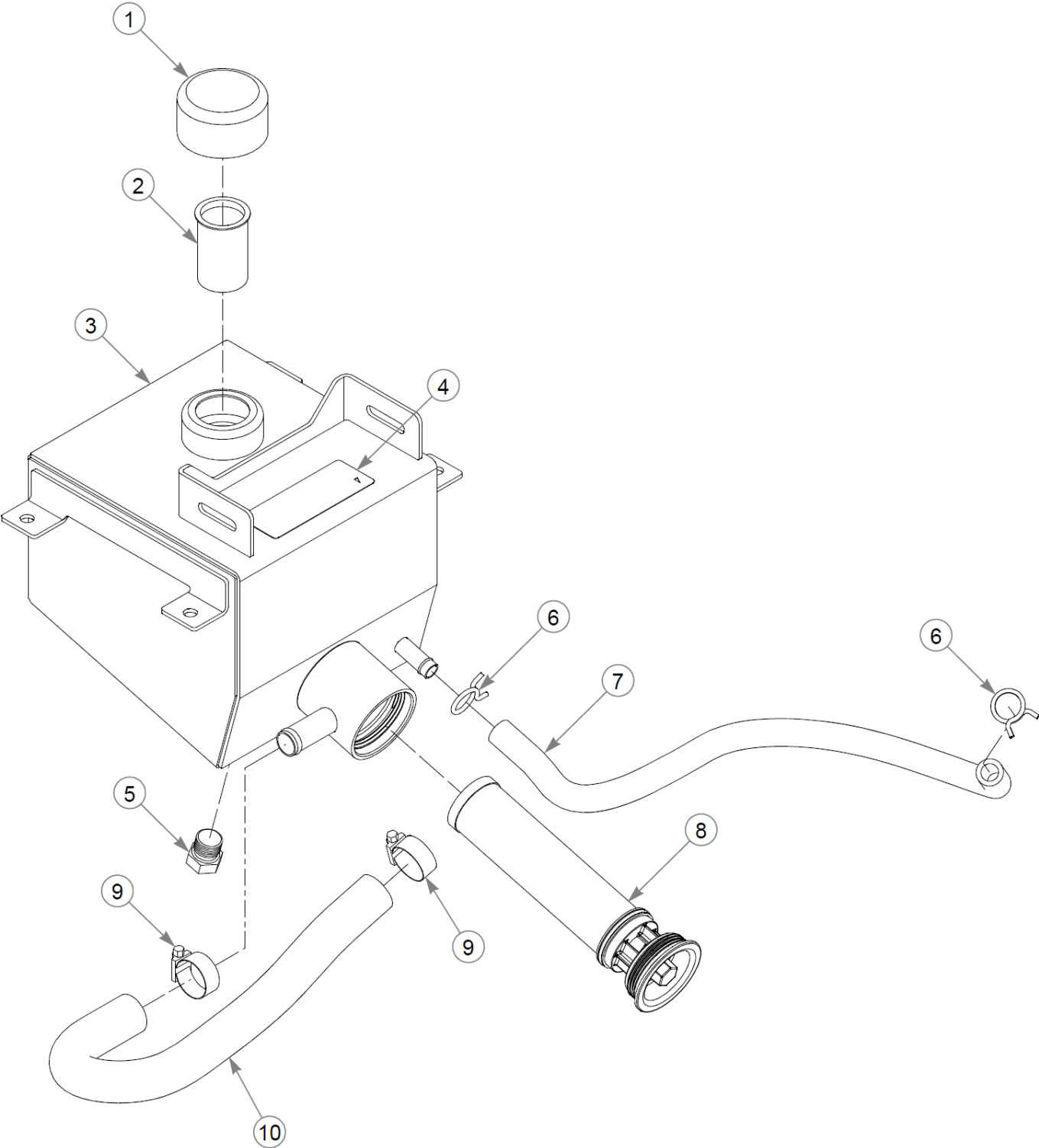
## Pump Assembly Breakdown

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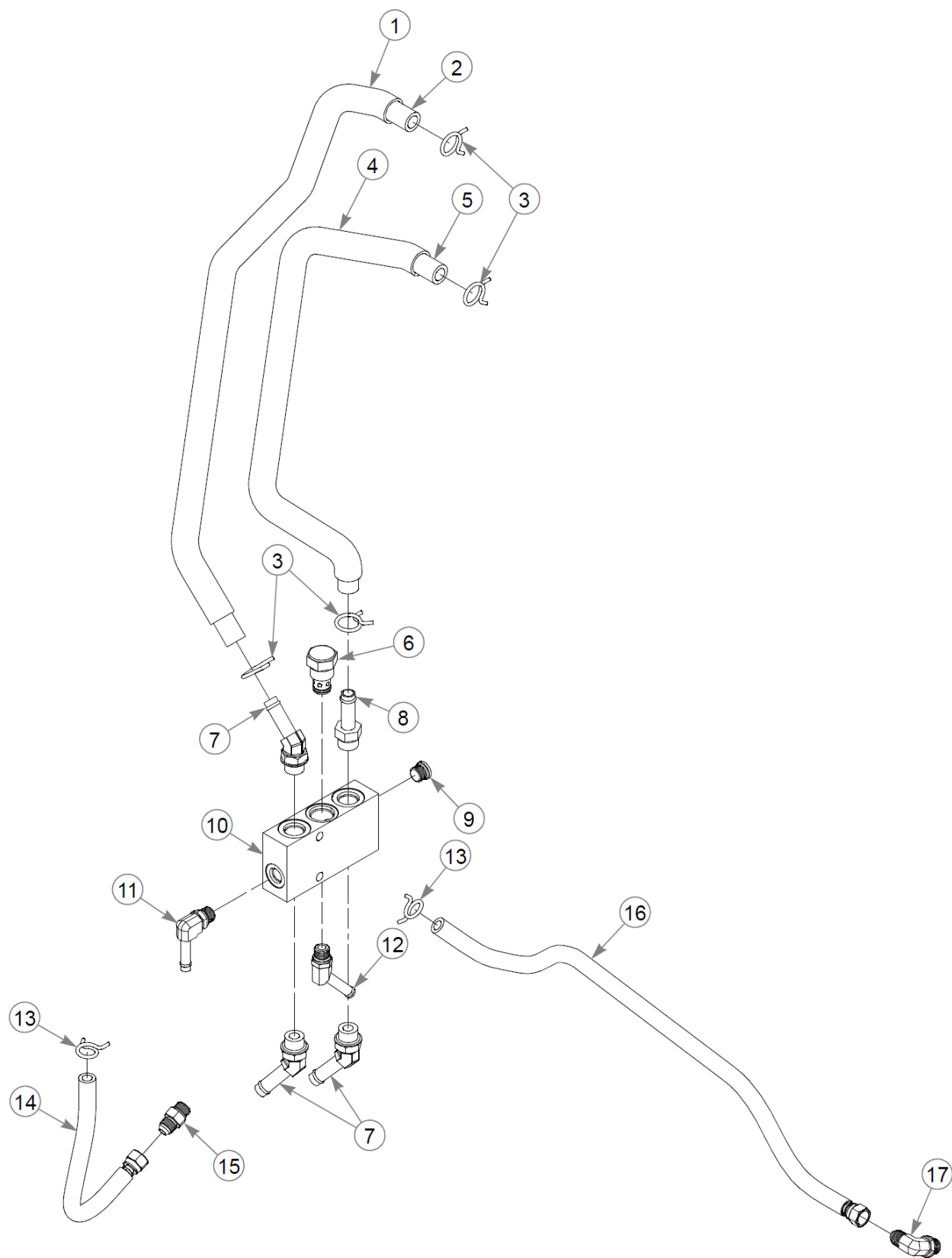
| Élément   | Numéro de pièce | Qté | Nom                    |
|-----------|-----------------|-----|------------------------|
| 1         | 603650          | 1   | PUMP, 21CC TANDEM - HH |
| Not Shown | 600934          | 1   | SEAL KIT, HG TANDEM 21 |
| 2         | 781534          | 4   | FTG, STR-8MORB/-8MS    |
| 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 ZN |
| 8         | 795369          | 2   | RETAINER-PUMP ARM - HH |
| 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   |

Comments for Page: Pump Assembly Breakdown

1. Torque to 20–23 N•m.



| Élément | Numéro de pièce | Qté | Nom                     |
|---------|-----------------|-----|-------------------------|
| 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          |
| 9       | 700484          | 2   | CLAMP, HOSE (FS)        |
| 10      | 601517          | 1   | HOSE, SUCTION HDZ HYDRO |

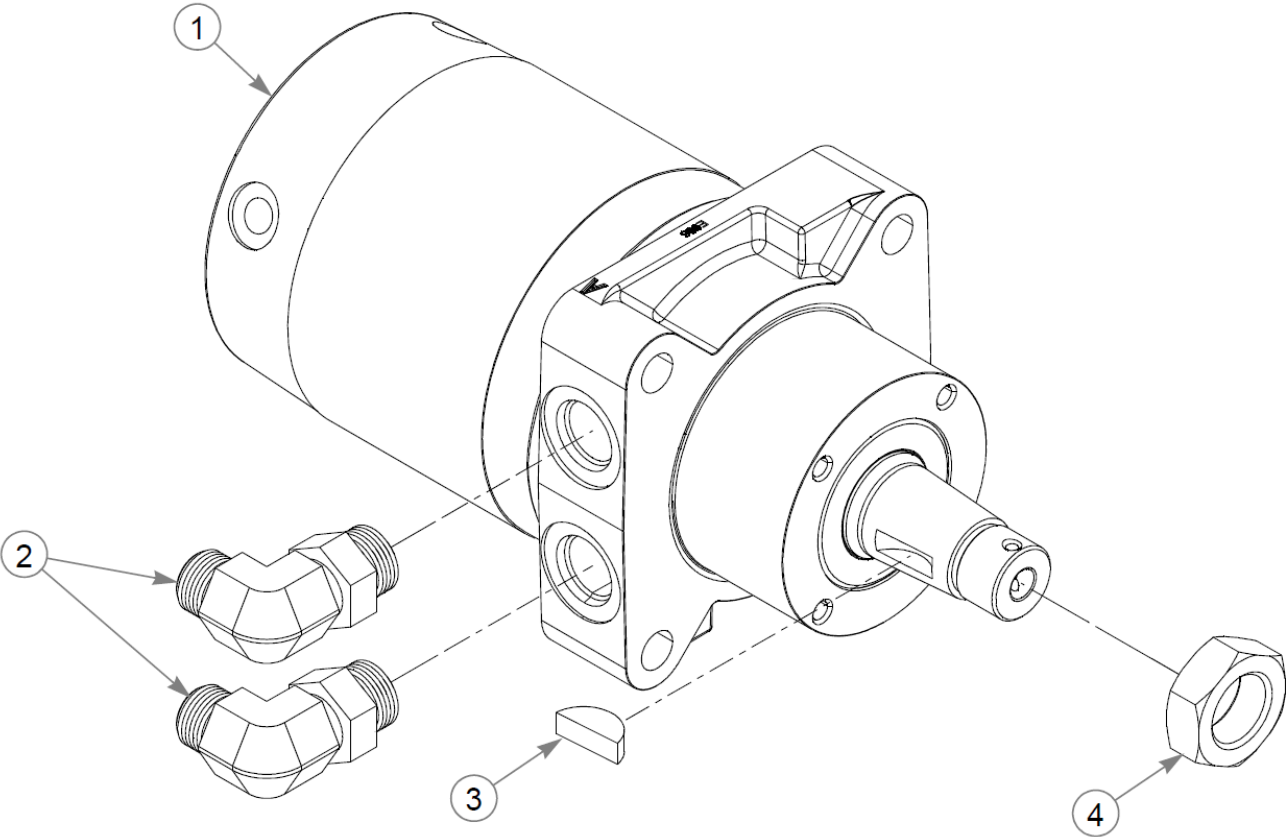


## Manifold Assembly Breakdown

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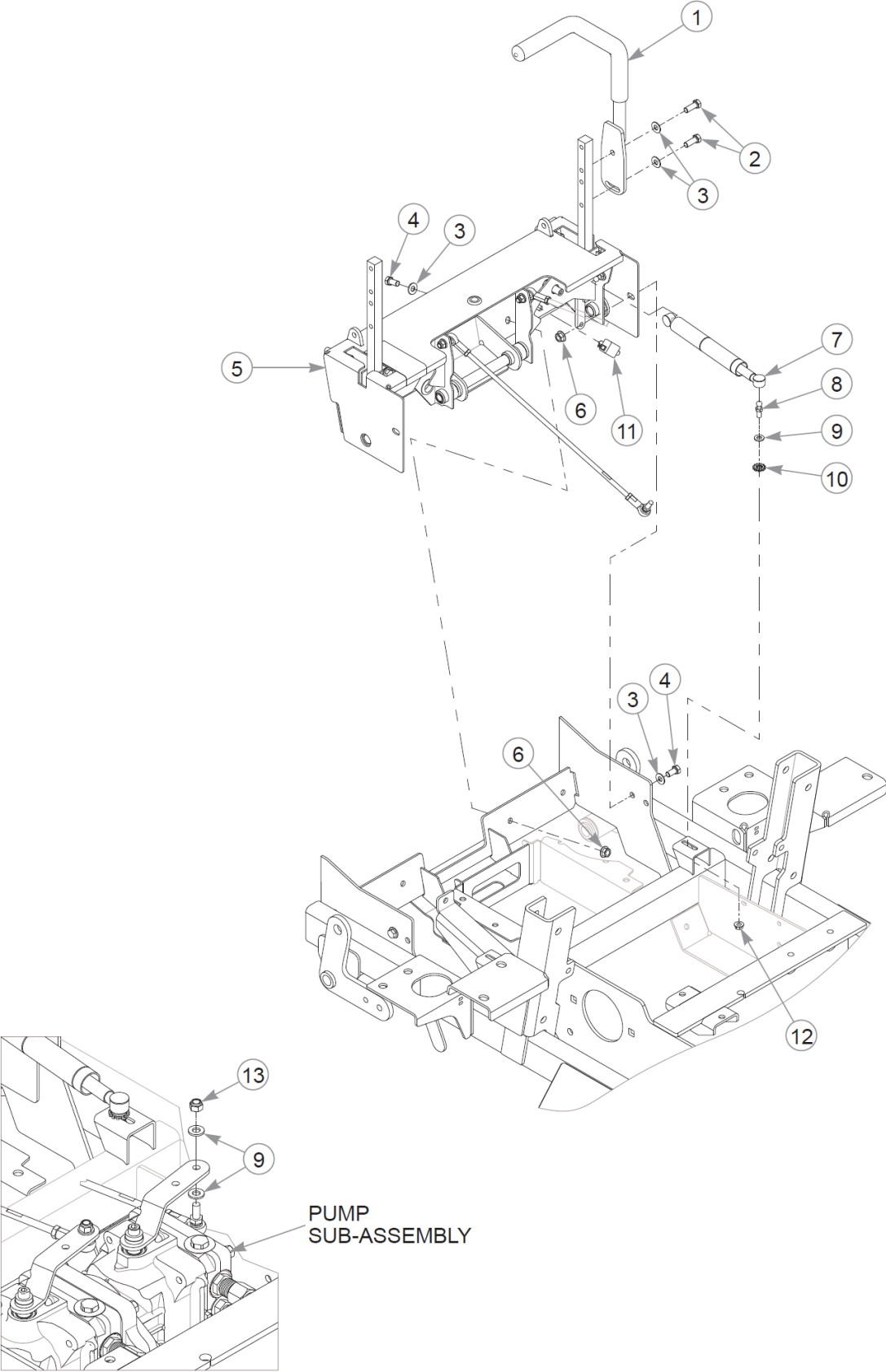
| Élément | Numéro de pièce | Qté | Nom                     |
|---------|-----------------|-----|-------------------------|
| 1       | 601583          | 1   | HOSE GUARD, BLOCK TO    |
| 2       | 601521          | 1   | HOSE, MANIFOLD BLOCK    |
| 3       | 601001          | 4   | SPRING CLAMP, .75" 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

| Élément                                     | Numéro de pièce | Qté | Nom                      |
|---------------------------------------------|-----------------|-----|--------------------------|
| 1                                           | 603663          | 1   | MOTOR, PARKER TG0335 -HH |
| Commentaires pour le numéro de pièce 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      |



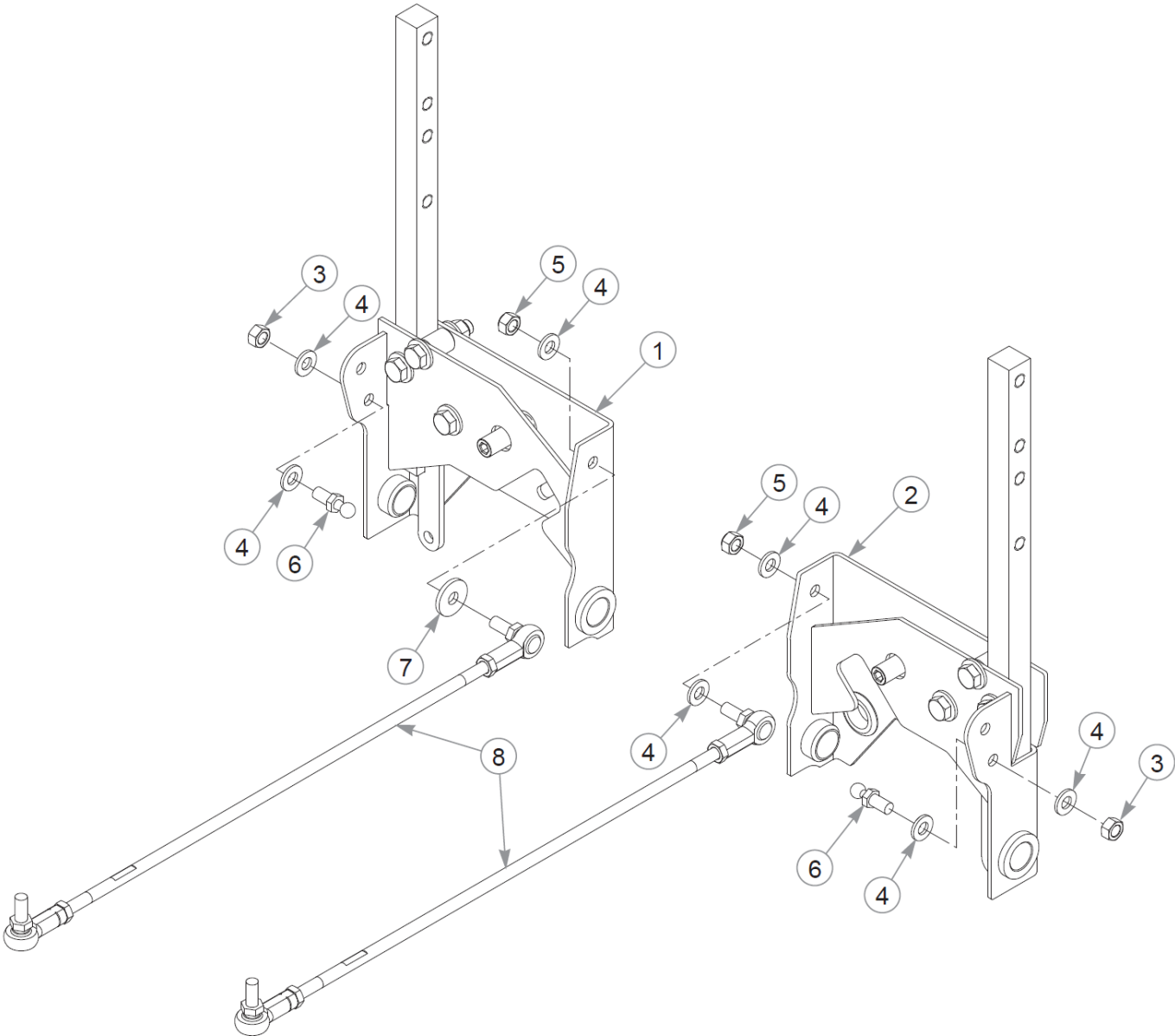
## Steering

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

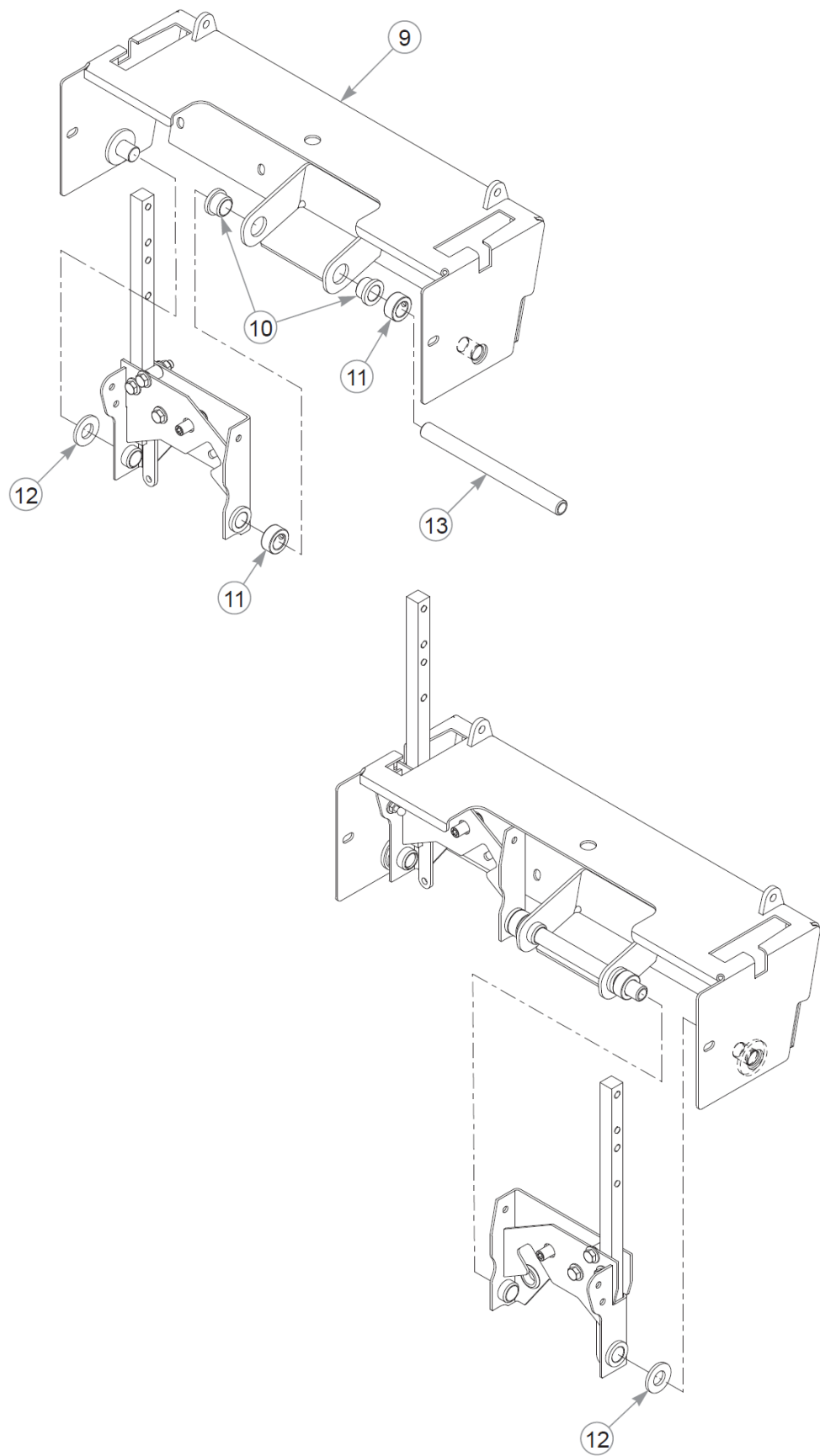
| Élément   | Numéro de pièce | Qté | Nom                      |
|-----------|-----------------|-----|--------------------------|
| 1         | 109839          | 2   | HANDLE, Z W/A            |
| Not Shown | 781260          | 2   | GRIP, STEERING BAR       |
| 2         | 036244          | 4   | CS .375-16X1.00 HX G5 ZN |
| 3         | 767954          | 10  | FW 0.379X.82X.06 HD ZN   |
| 4         | 055822          | 6   | CS .375-16X0.75 HX G5 ZN |
| 5         | N/A             | 1   | STEERING COVER ASSEMBLY  |
| 6         | 016899          | 6   | NT .375-16 FLKG5         |
| 7         | 795351          | 2   | DAMPER, CENTERING        |
| 8         | 781922          | 2   | BALL STUD                |
| 9         | 768523          | 6   | FW 0.343SAE              |
| 10        | 029876          | 2   | LW .312 INTEXT ZN        |
| 11        | 601087          | 2   | SWITCH, PLUNGER N.O.     |
| 12        | 016832          | 2   | NT .312-18FLKG5          |
| 13        | 023655          | 2   | NT 0.312-24 NL G8        |

Comments for Page: Steering

1. The steering handle includes the grip.

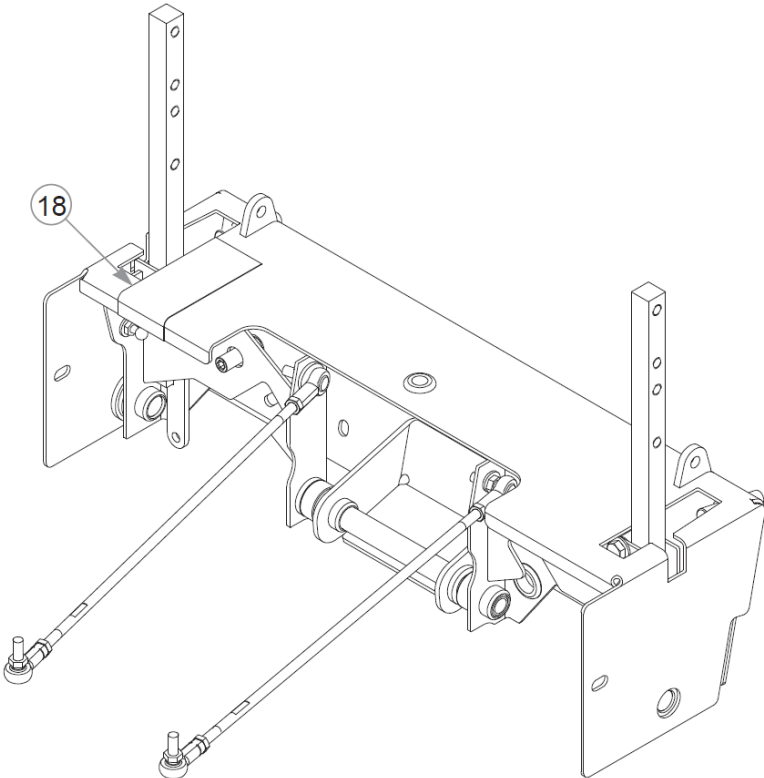
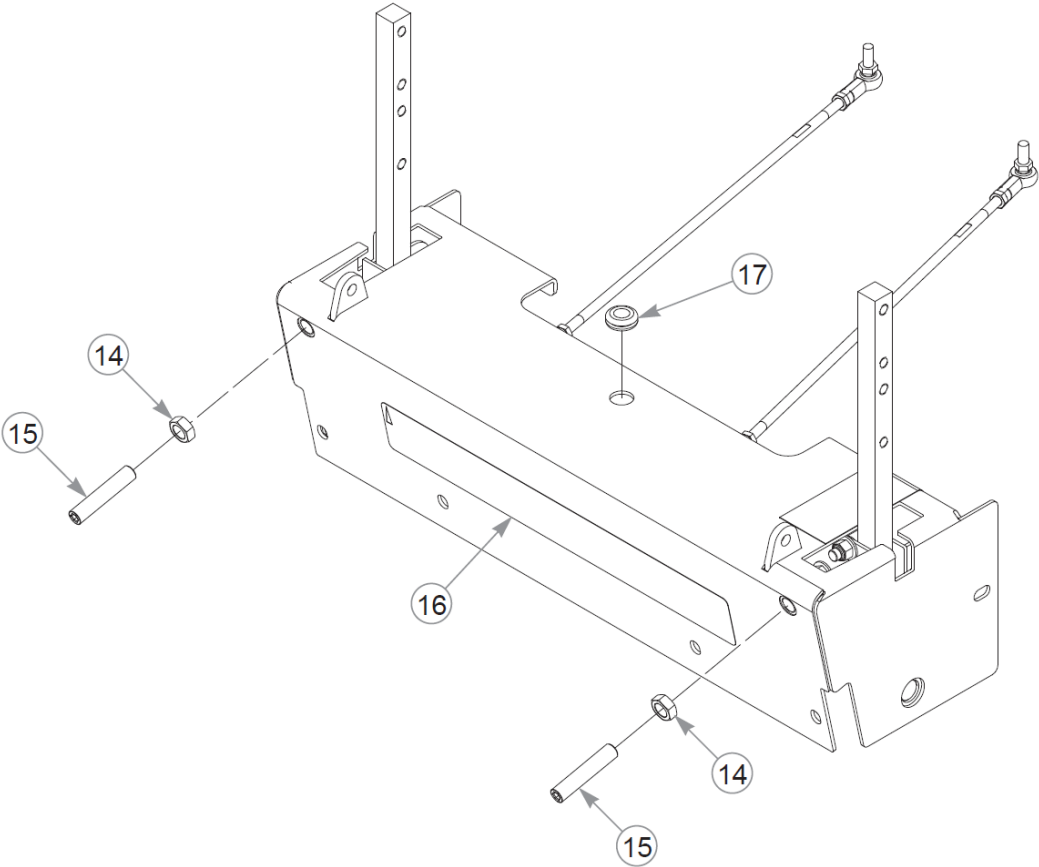


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Cette page intentionnellement laissée vierge

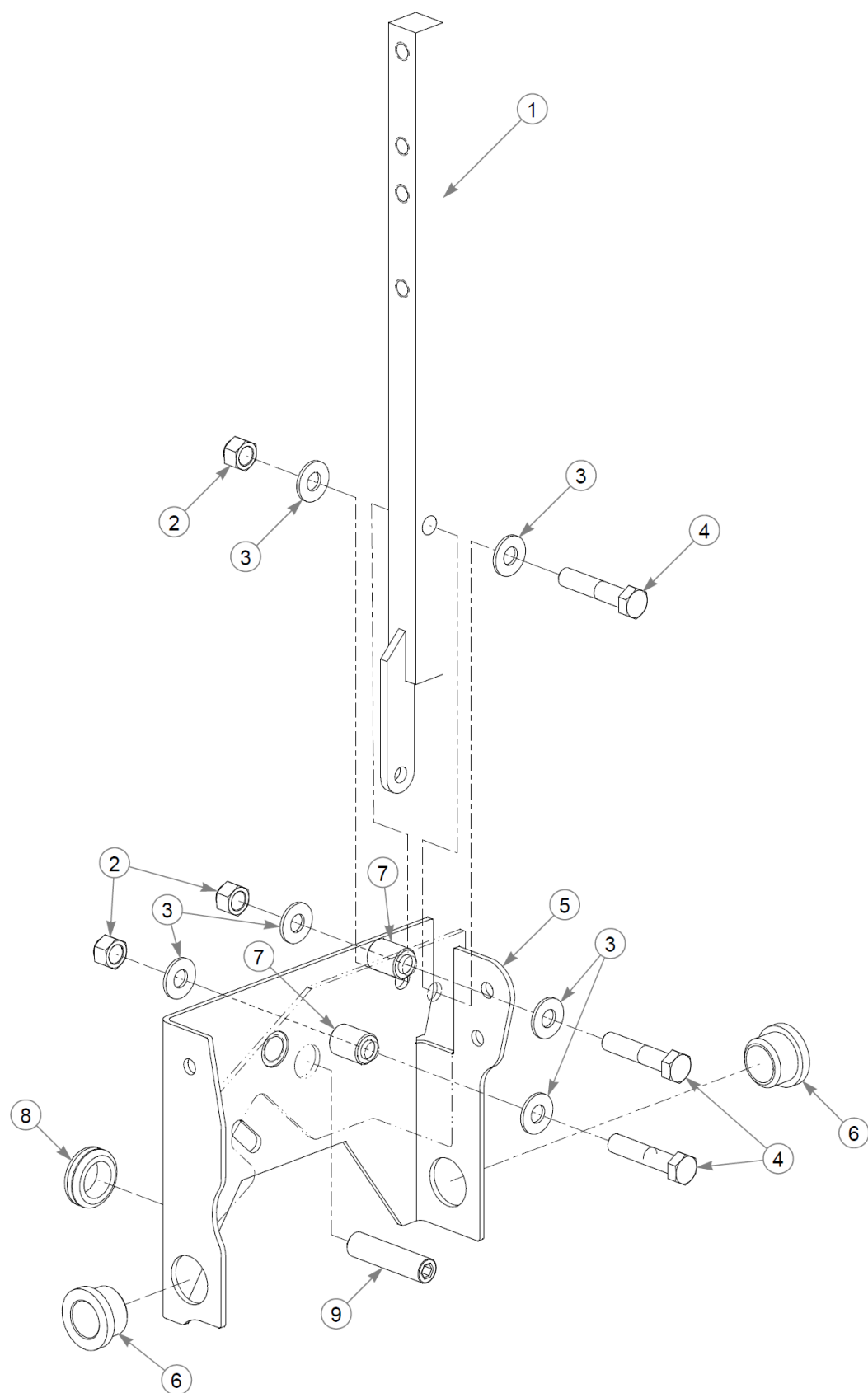




| Élément | Numéro de pièce | Qté   | Nom                      |
|---------|-----------------|-------|--------------------------|
| 1       | N/A             | 1     | LS STEERING BOX ASSEMBLY |
| 2       | N/A             | 1     | RS STEERING BOX ASSEMBLY |
| 3       | 034272          | 2     | NT .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 ZN  |
| 8       | 781286          | 2     | PUMP ROD ADJUSTER ASSY   |
| 9       | 551135          | 1     | STEERING COVER, SERVICE  |
| 10      | 608000          | 2     | BUSHING                  |
| 11      | 784439          | 2     | LOCK COLLAR,0.757 ID(FS) |
| 12      | 603078          | 2     | FW .750X1.50X.16 ZN      |
| 13      | 108813          | 1     | STEER PIVOT TUBE         |
| 14      | 053199          | 2     | NT .500-13JAMG5          |
| 15      | 603055          | 2     | SS .500-13X 2.50 SH ZN   |
| 16      | 605089          | 1     | DECAL, HDZ               |
| 17      | 080358          | 1     | GM .50X1.00X.75X.12      |
| 18      | 722199          | 14 cm | POLYURETHANE 2" (FS)     |

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

1. The steering cover includes the decal.



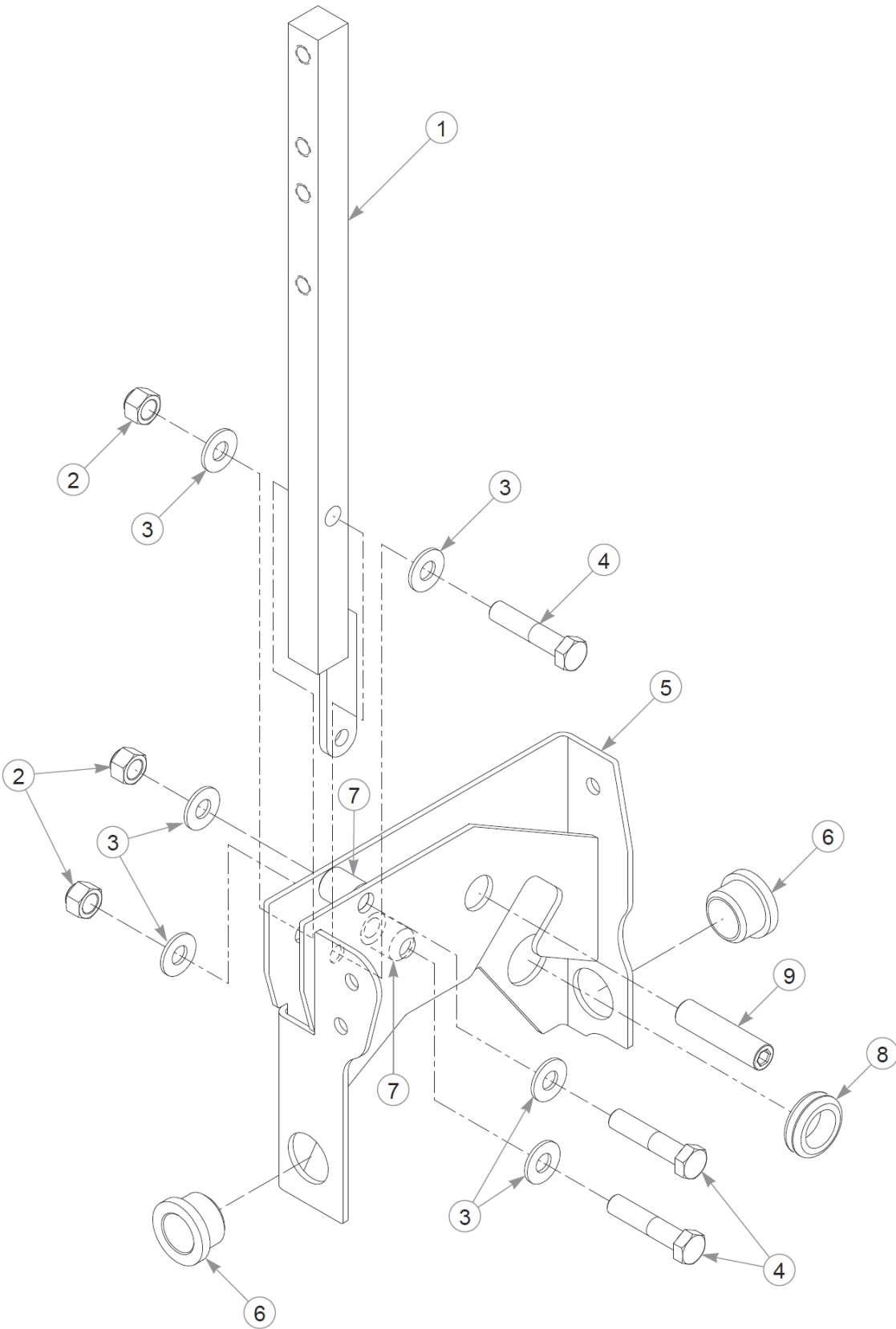
## RS Steering Box Assembly

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

| Élément | Numéro de pièce | Qté | Nom                     |
|---------|-----------------|-----|-------------------------|
| 1       | 607152          | 1   | STEERING ARM W/A        |
| 2       | 086660          | 3   | NT .375-16NLG8          |
| 3       | 767954          | 6   | FW 0.379X.82X.06 HD ZN  |
| 4       | 705178          | 3   | CS .375-16X1.750HXG5    |
| 5       | 112898          | 1   | STEERING BOX W/A, RH    |
| 6       | 608000          | 2   | BUSHING                 |
| 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

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



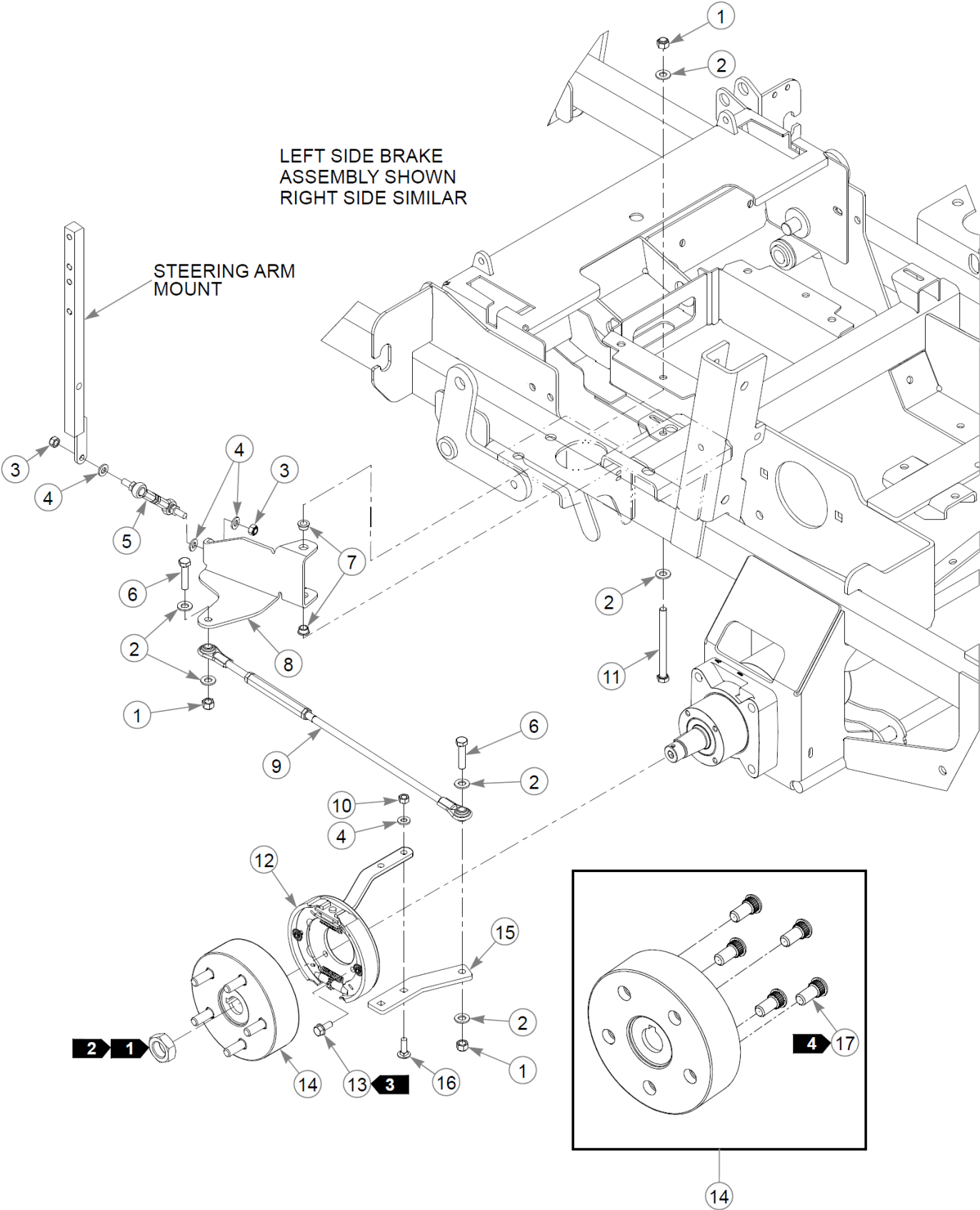
## LS Steering Box Assembly

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

| Élément | Numéro de pièce | Qté | Nom                     |
|---------|-----------------|-----|-------------------------|
| 1       | 607152          | 1   | STEERING ARM W/A        |
| 2       | 086660          | 3   | NT .375-16NLG8          |
| 3       | 767954          | 6   | FW 0.379X.82X.06 HD ZN  |
| 4       | 705178          | 3   | CS .375-16X1.750HXG5    |
| 5       | 112899          | 1   | STEERING BOX W/A LH     |
| 6       | 608000          | 2   | BUSHING                 |
| 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

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



## Brake

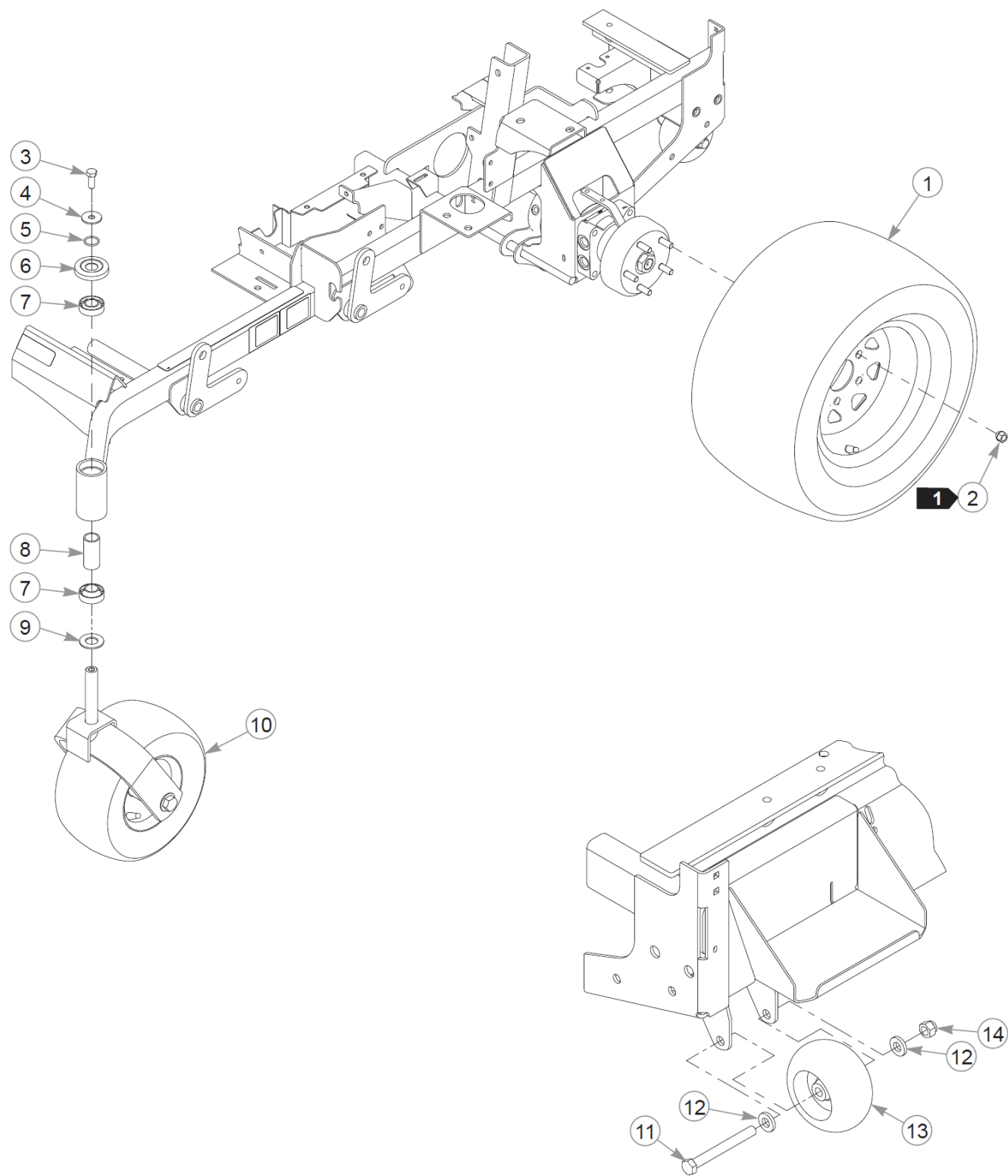
60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

| Élément   | Numéro de pièce | Qté | Nom                      |
|-----------|-----------------|-----|--------------------------|
| 1         | 086660          | 6   | NT .375-16NLG8           |
| 2         | 767954          | 12  | FW 0.379X.82X.06 HD ZN   |
| 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 FL    |
| 14        | 602384          | 2   | HUB ASSY, PARKER         |
| 15        | 111309          | 2   | BRAKE ARM,Z4             |
| 16        | 037887          | 4   | CB .312-18X 1.000 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.





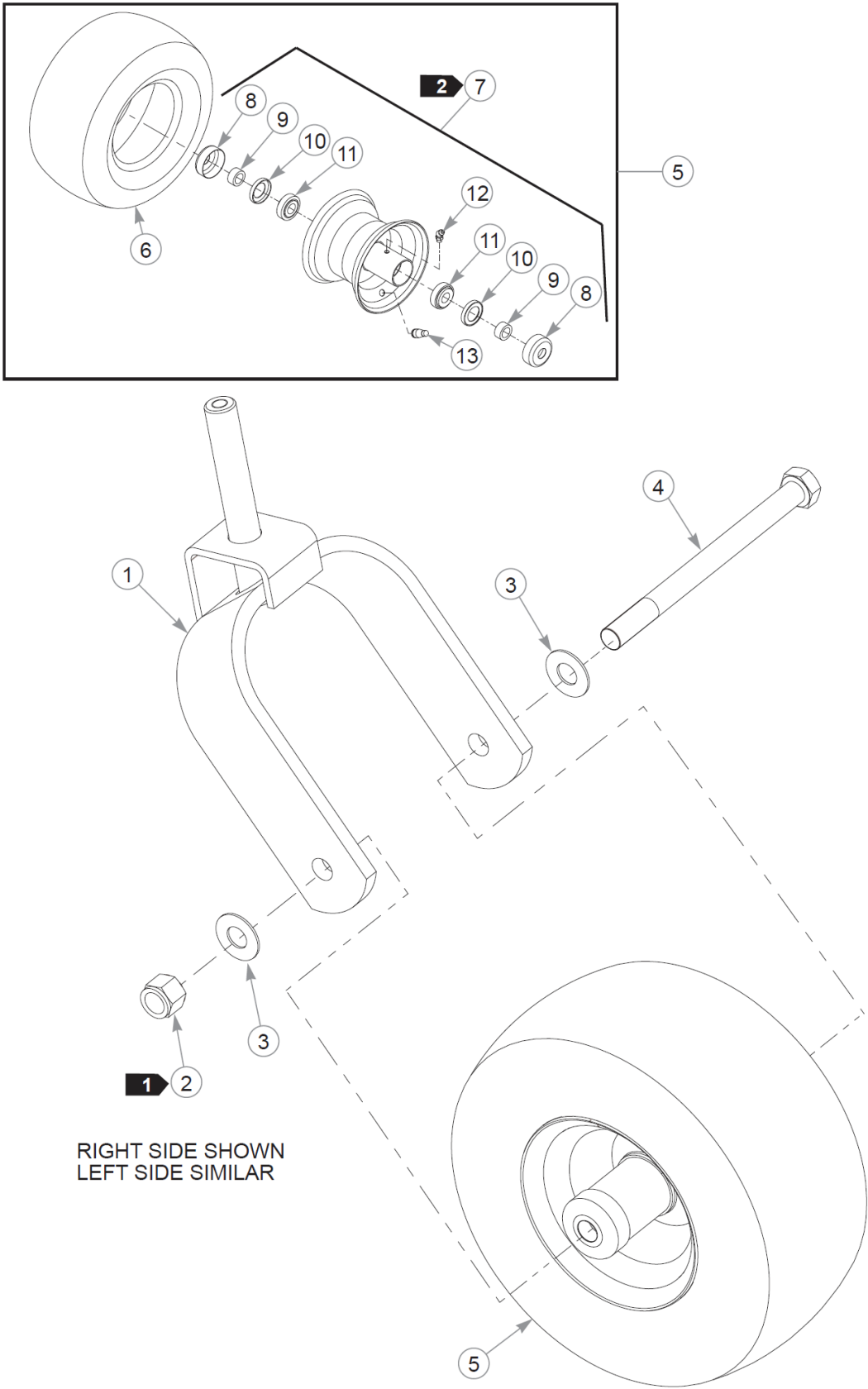
## Wheel & Tire

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

| Élément | Numéro de pièce | Qté | Nom                                       |
|---------|-----------------|-----|-------------------------------------------|
| 1       | 606968          | 2   | TIR/WHL 24X12.00-12 SLV                   |
| 2       | 061077          | 10  | WHEEL NUT                                 |
| 3       | 705954          | 2   | CS .500-13X1.25 HX G5 ZN                  |
| 4       | 798603          | 2   | FW .515X1.65X.12 HD ZN                    |
| 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      |                 | 2   | REFER TO "FRONT WHEEL ASSEMBLY BREAKDOWN" |
| 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.



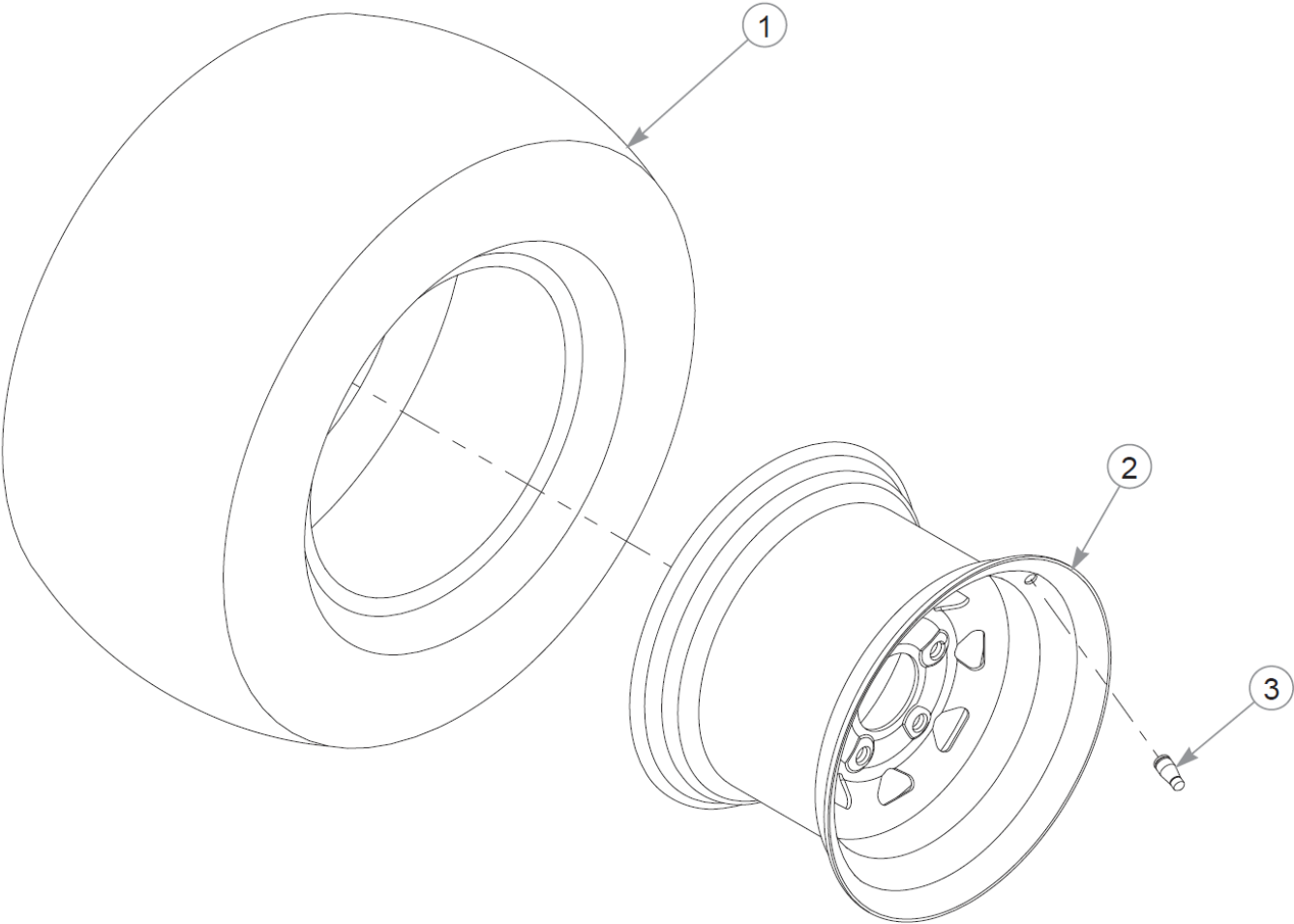
## Front Wheel Assembly Breakdown

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

| Élément | Numéro de pièce | Qté | Nom                      |
|---------|-----------------|-----|--------------------------|
| 1       | 113621          | 1   | FORK W/A, STANDARD       |
| 2       | 061101          | 1   | NT .750-10 HX ZN NL GR B |
| 3       | 025296          | 2   | FW .760X1.63X0.08 ZN     |
| 4       | 041475          | 1   | CS .750-10X9.50 HX G5 ZN |
| 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  |

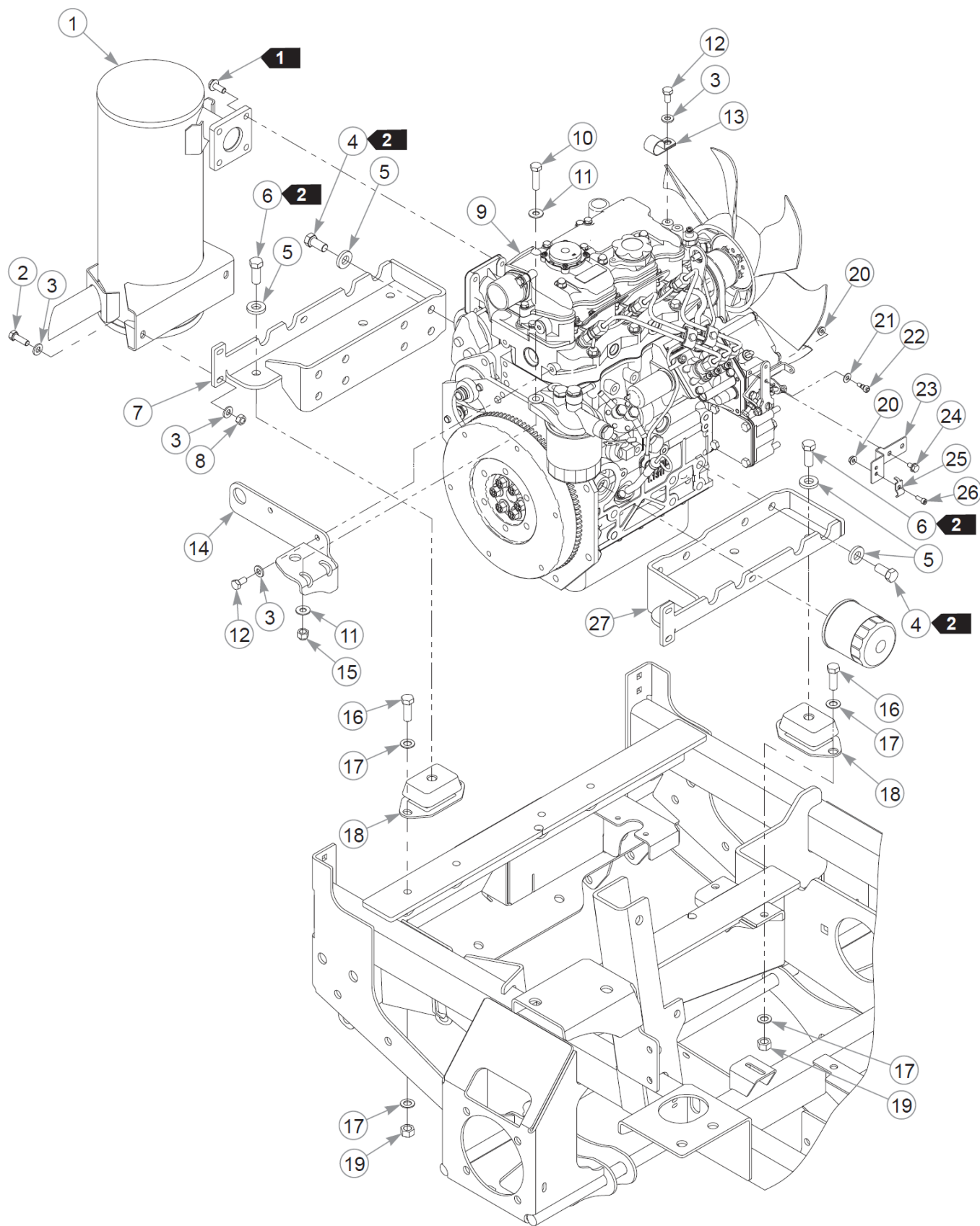
Comments for Page: Front Wheel Assembly Breakdown

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



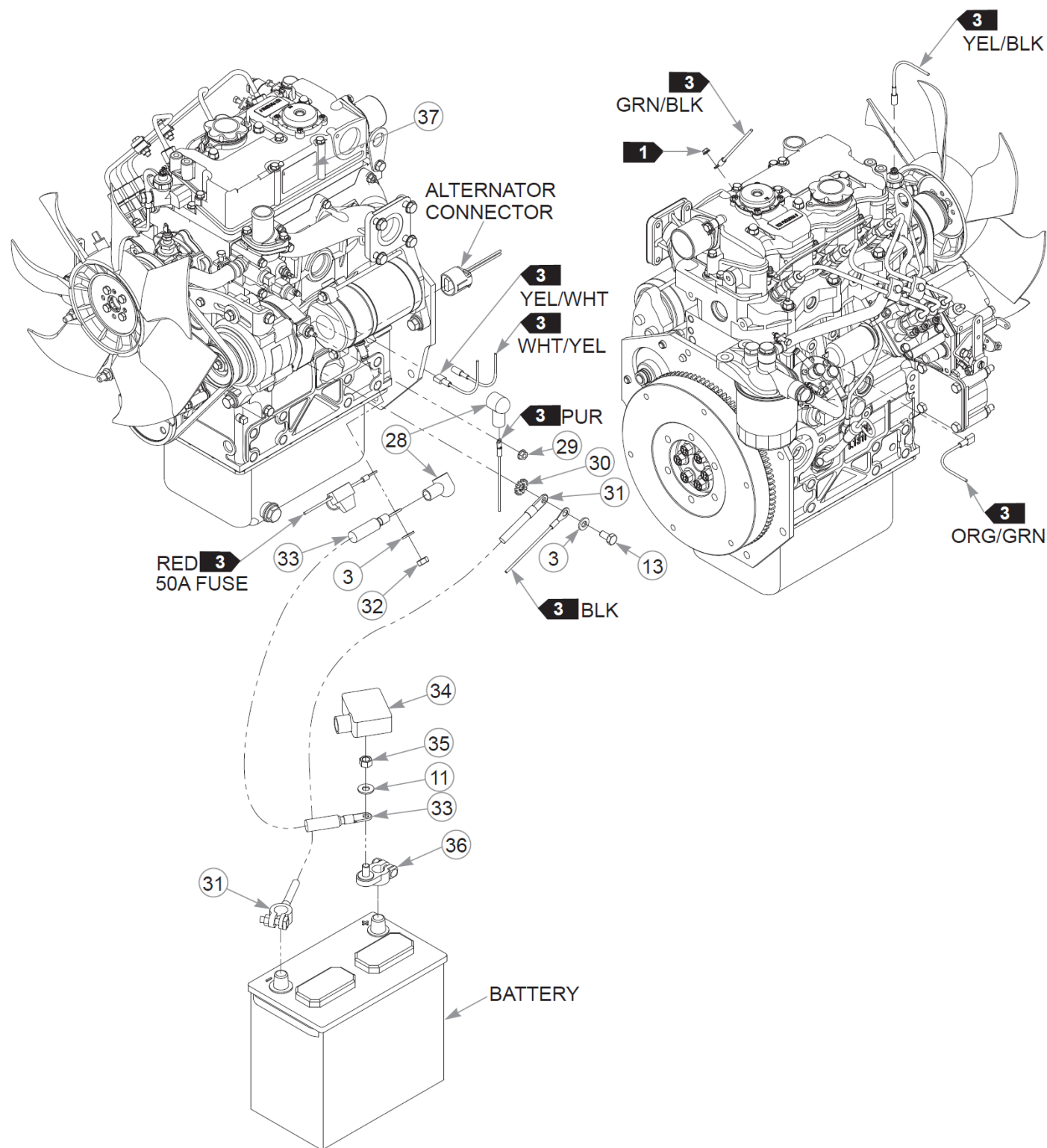
Drive Wheel Breakdown

| Élément | Numéro de pièce | Qté | Nom                      |
|---------|-----------------|-----|--------------------------|
| 1       | 606967          | 1   | TIR 24X12.00-12 B4R GRMR |
| 2       | 606820          | 1   | WHL 12X8.50 5X4.5 SLV    |
| 3       | 019521          | 1   | TIRE VALVE TR-412 GOODY  |

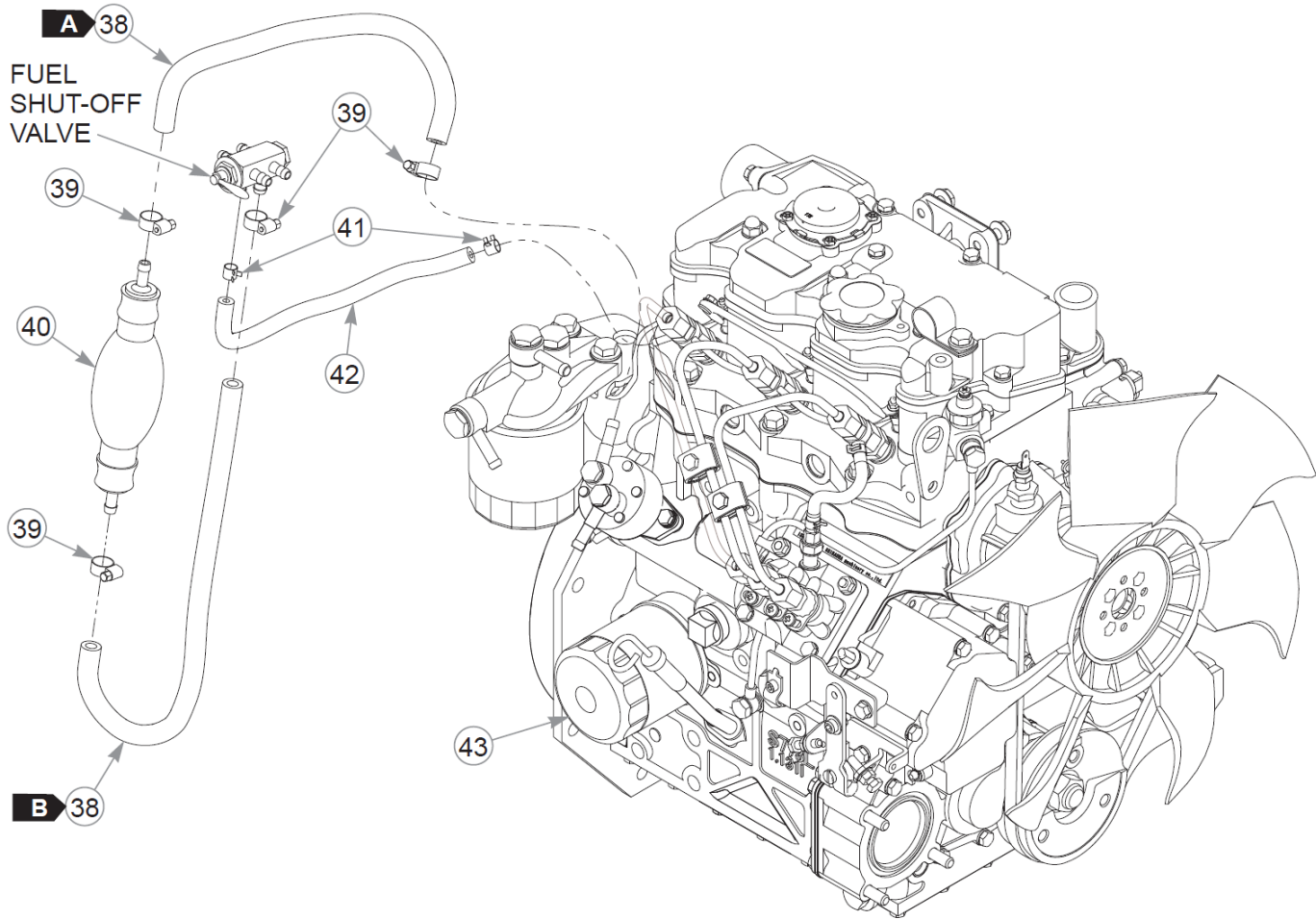


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| Élément                                                       | Numéro de pièce | Qté | Nom                      |
|---------------------------------------------------------------|-----------------|-----|--------------------------|
| 1                                                             | 601361          | 1   | MUFFLER, ISM S773L HDZ   |
| 2                                                             | 036236          | 2   | CS .312-18X1.000HXG5     |
| 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 |
| Commentaires pour le numéro de pièce 601355                   |                 |     |                          |
| For engine parts search S773L and select engine parts manual. |                 |     |                          |
| 10                                                            | 005116          | 2   | CS .375-16X1.38 HX G5 ZN |
| 11                                                            | 767954          | 5   | FW 0.379X.82X.06 HD ZN   |
| 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 ZN      |
| 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 ZN        |
| 31                                                            | 601540          | 1   | CABLE, NEG 12" POST/STUD |
| 32                                                            | 045336          | 1   | NT M8X1.25 HX GR8.8 ZN   |
| 33                                                            | 601539          | 1   | CABLE, POS 9"            |

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| Élément                                                                     | Numéro de pièce | Qté  | Nom                     |
|-----------------------------------------------------------------------------|-----------------|------|-------------------------|
| 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"       |
| <p>Commentaires pour le numéro de pièce 603326</p> <p>Sold by the foot.</p> |                 |      |                         |
| 43                                                                          | 140517020       | 1    | ENGINE OIL FILTER       |

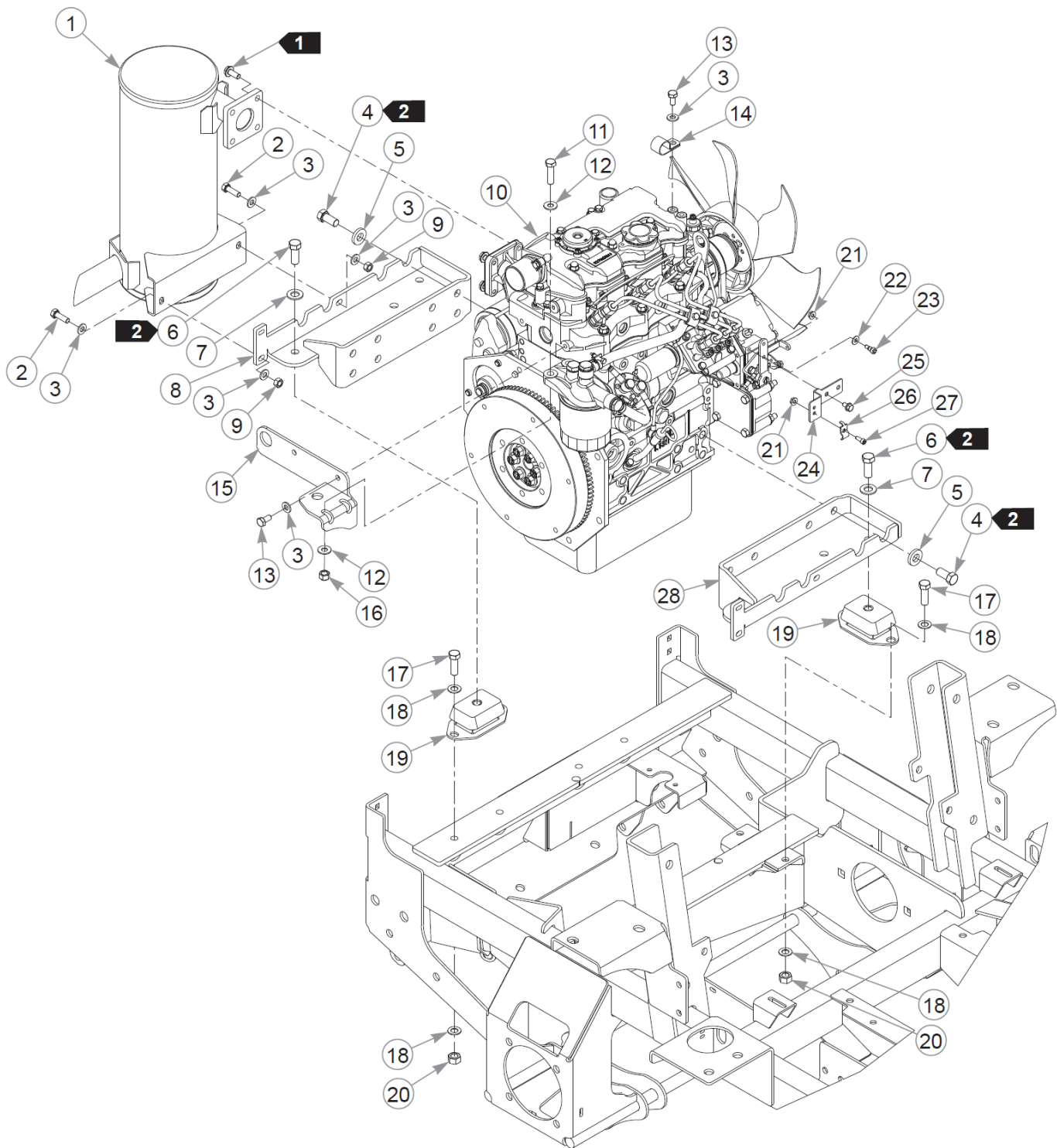
Comments for Page: Engine, Oil Filter, Fuel Filter & Muffler - S/N 19060988 & HIGHER (Multi-Page)

#### FUEL LINE LENGTHS

A: 30cm SELECTOR VALVE TO PRIMER BULB

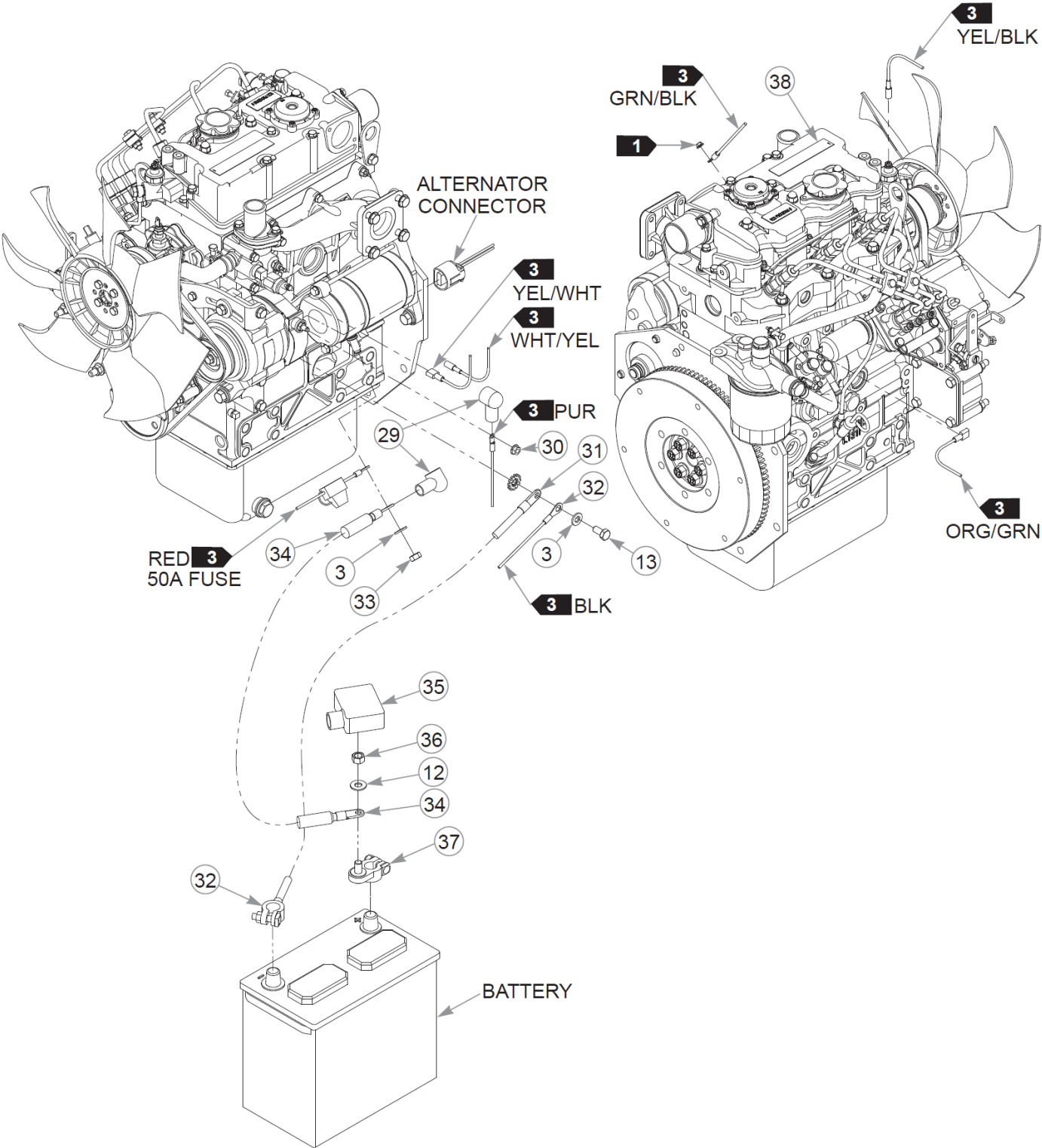
B: 46cm PRIMER BULB TO FUEL PUMP

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.

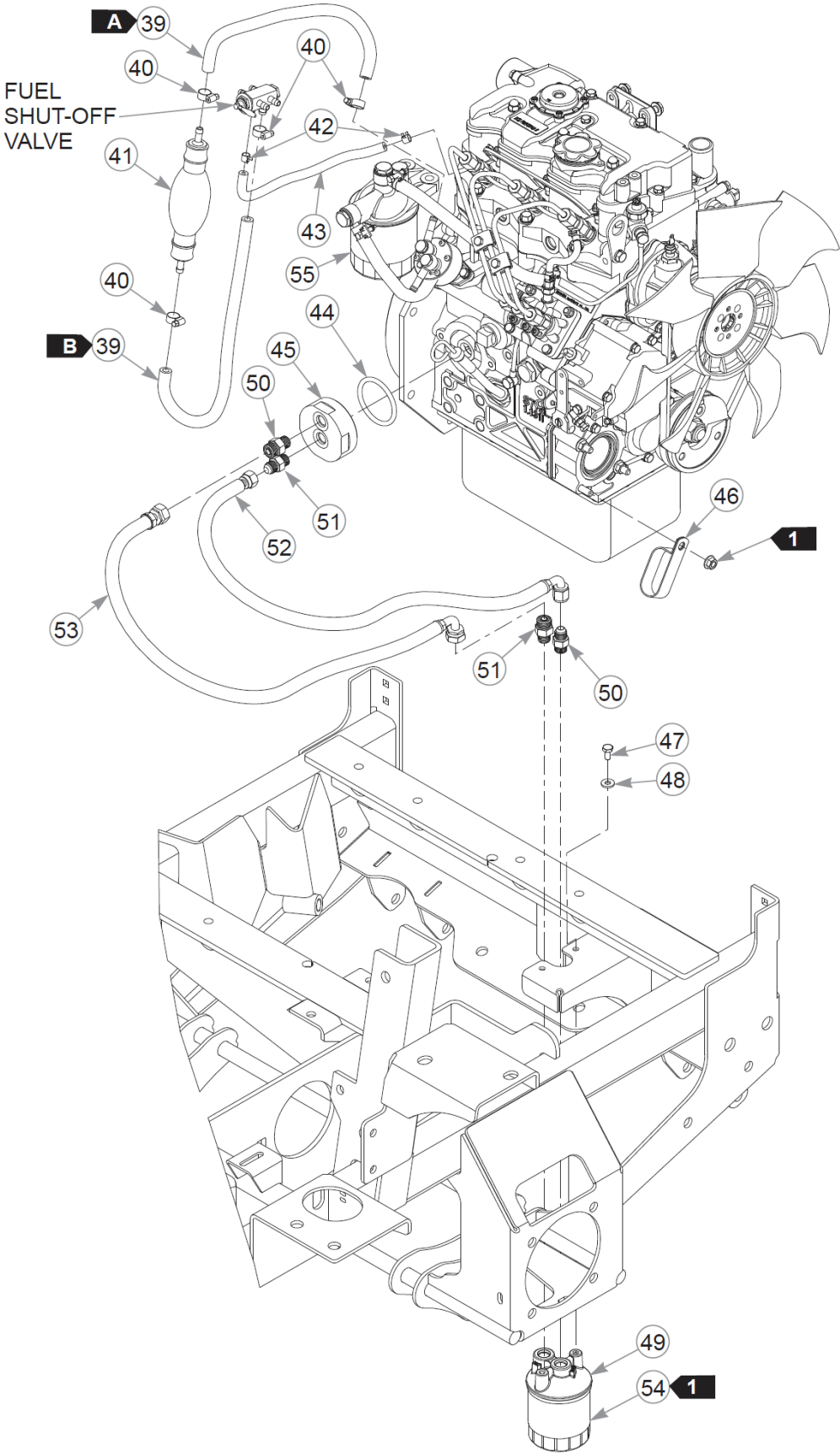


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Cette page intentionnellement laissée vierge



| Élément                                                       | Numéro de pièce | Qté | Nom                      |
|---------------------------------------------------------------|-----------------|-----|--------------------------|
| 1                                                             | 601361          | 1   | MUFFLER, ISM S773L HDZ   |
| 2                                                             | 036236          | 2   | CS .312-18X1.000HXG5     |
| 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 ZN     |
| 8                                                             | 111045          | 1   | MOTOR MOUNT W/A, REAR    |
| 9                                                             | 034272          | 2   | NT .312-18HXG5           |
| 10                                                            | 601355          | 1   | ENG, S773L DSL ISM138681 |
| Commentaires pour le numéro de pièce 601355                   |                 |     |                          |
| For engine parts search S773L and select engine parts manual. |                 |     |                          |
| 11                                                            | 005116          | 2   | CS .375-16X1.38 HX G5 ZN |
| 12                                                            | 767954          | 5   | FW 0.379X.82X.06 HD ZN   |
| 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 ZN      |
| 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 ZN        |
| 32                                                            | 601540          | 1   | CABLE, NEG 12" POST/STUD |
| 33                                                            | 045336          | 1   | NT M8X1.25 HX GR8.8 ZN   |

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| Élément                                     | Numéro de pièce | Qté  | Nom                      |
|---------------------------------------------|-----------------|------|--------------------------|
| 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"        |
| Commentaires pour le numéro de pièce 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 ZN |
| 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    | ENGINE OIL FILTER        |
| 55                                          | 130366120       | 1    | FILTER, FUEL 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

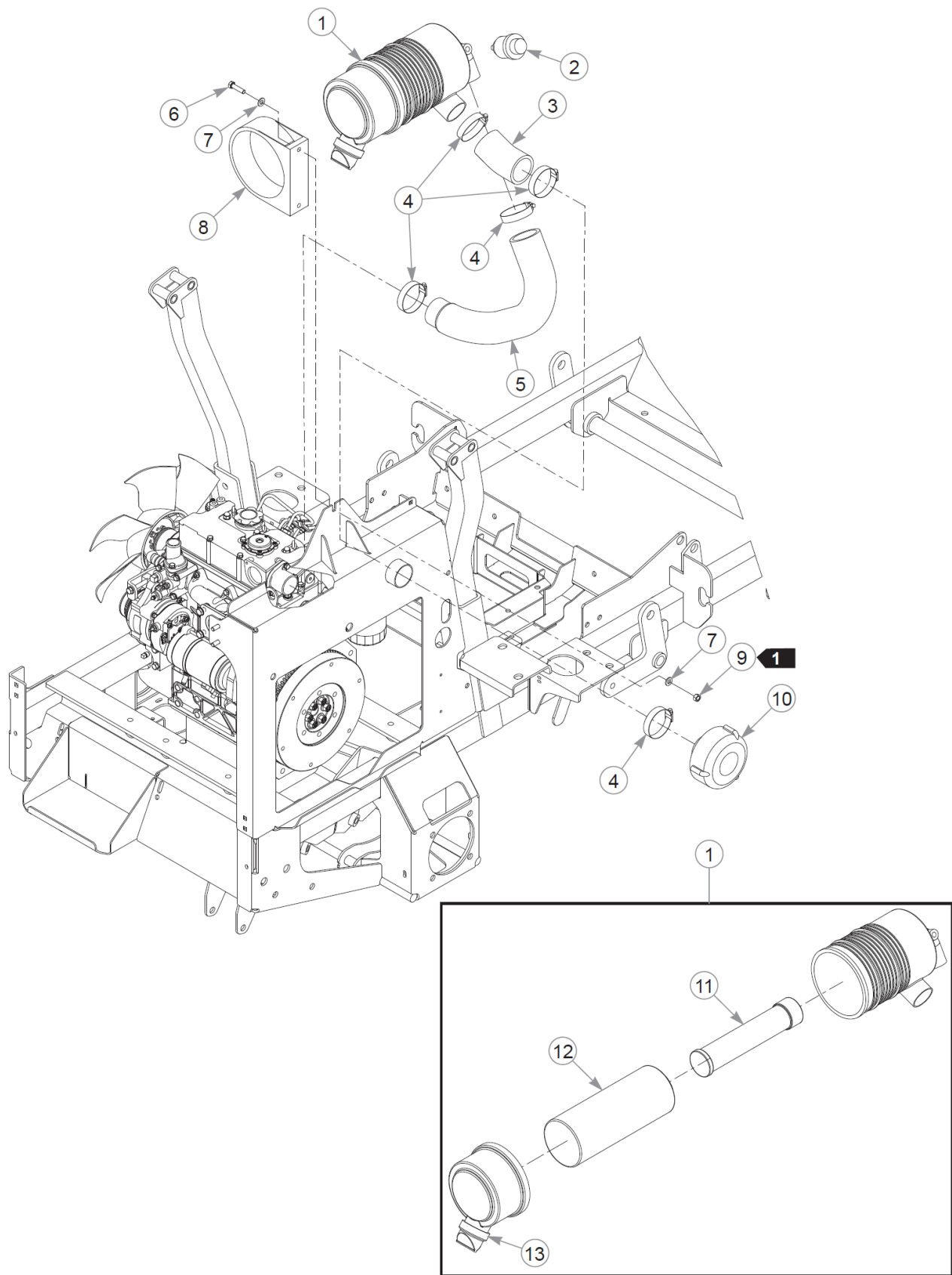
B: 46cm PRIMER BULB TO FUEL PUMP

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.

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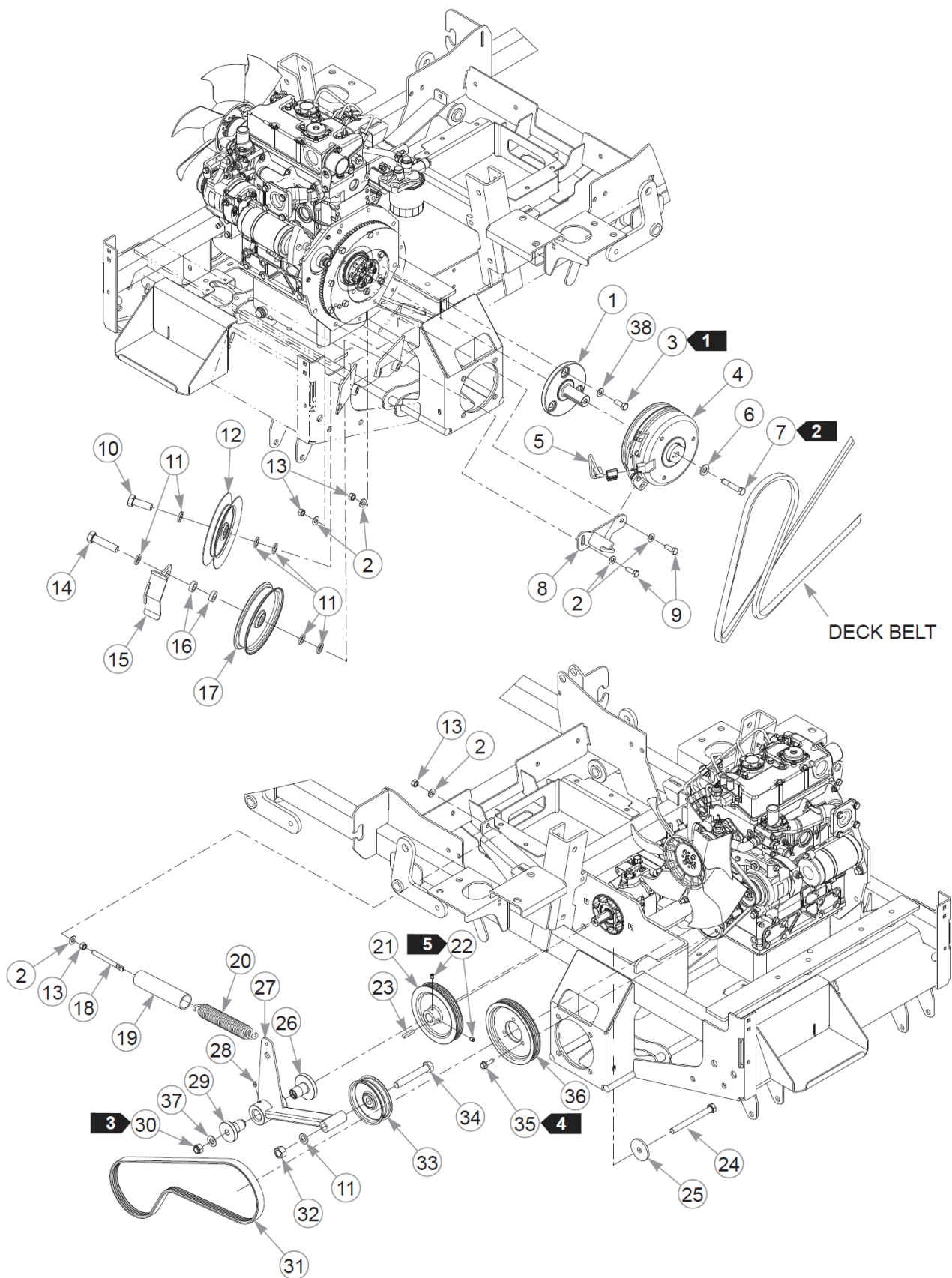
## Air Cleaner

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

| Élément   | Numéro de pièce | Qté | Nom                      |
|-----------|-----------------|-----|--------------------------|
| 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        |
| 13        | 763318          | 1   | VALVE, VACUATOR          |

Comments for Page: Air Cleaner

1. Torque to 16 N•m.



## Clutch & Drive Belt

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

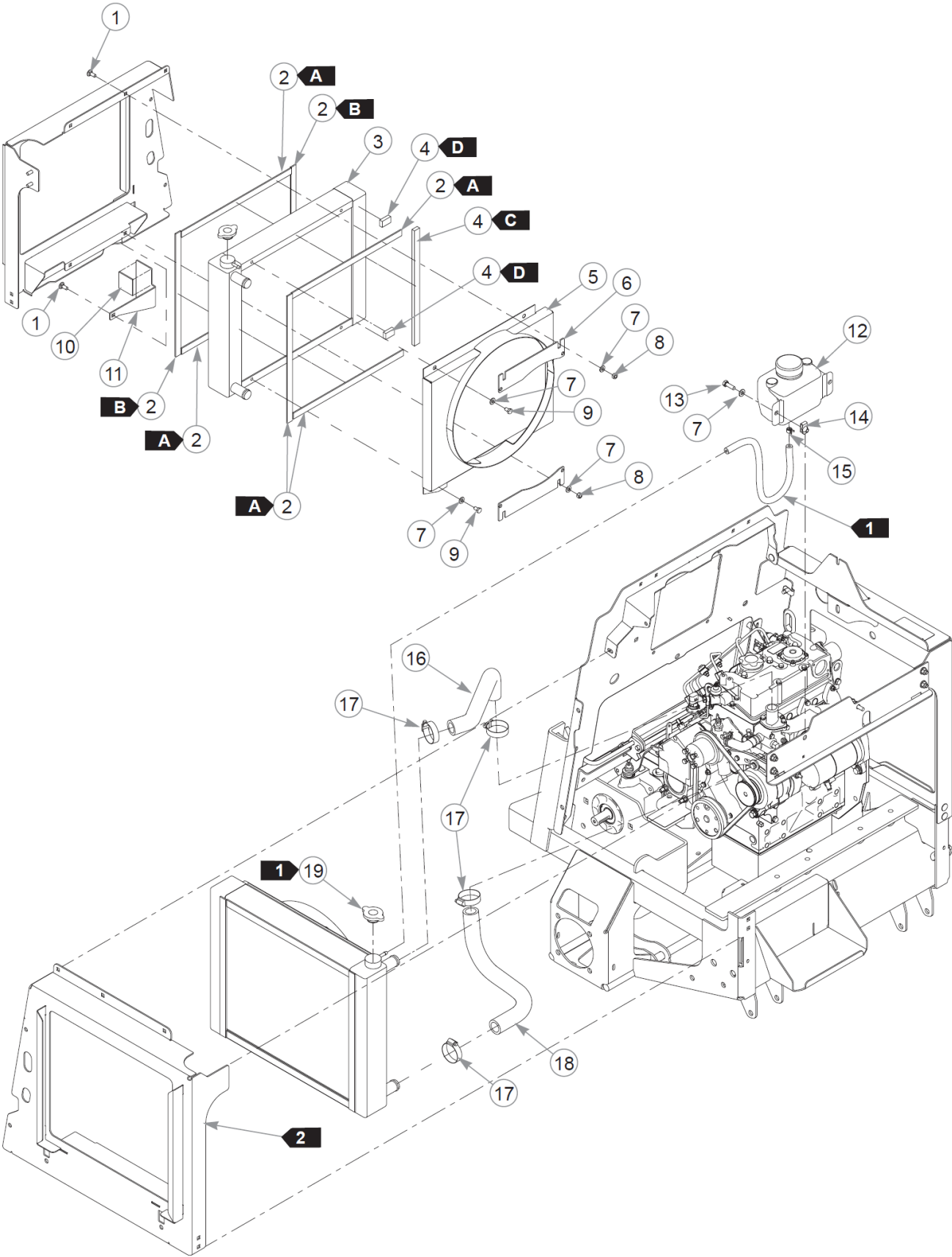
| Élément                                                                                                                                                                          | Numéro de pièce | Qté | Nom                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|--------------------------|
| 1                                                                                                                                                                                | 601279          | 1   | STUB SHAFT, ISM 773      |
| 2                                                                                                                                                                                | 767954          | 6   | FW 0.379X.82X.06 HD ZN   |
| 3                                                                                                                                                                                | 038836          | 3   | CS M10-1.50X25 HX ZN     |
| 4                                                                                                                                                                                | 601278K         | 1   | CLUTCH KIT               |
| 5                                                                                                                                                                                | 791251          | 1   | HARNESS, CLUTCH PIGTAIL  |
| <p>Commentaires pour le numéro de pièce 791251</p> <p>Pigtail was updated with epoxy to hold the wires steady. The wire sheath was also updated to a more flexible material.</p> |                 |     |                          |
| 6                                                                                                                                                                                | 602680          | 1   | FW .453X1.12X.12 HRD ZN  |
| 7                                                                                                                                                                                | 778217          | 1   | CS .437-20X2.250 HXG5P85 |
| 8                                                                                                                                                                                | 109725          | 1   | CLUTCH ANCHOR W/A        |
| 9                                                                                                                                                                                | 036244          | 2   | CS .375-16X1.00 HX G5 ZN |
| 10                                                                                                                                                                               | 025007          | 1   | CS .62511X1.750HXG5      |
| 11                                                                                                                                                                               | 028118          | 7   | FW 0.625X1.00X.13 ZN     |
| 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 ZN      |
| 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"        |

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| Élément                                                             | Numéro de pièce | Qté | Nom                     |
|---------------------------------------------------------------------|-----------------|-----|-------------------------|
| Commentaires pour le numéro de pièce 601424                         |                 |     |                         |
| Belt design was a COG belt but has been changed to a smooth V-belt. |                 |     |                         |
| 32                                                                  | 016972          | 1   | NT .625-11 HX G5 ZN     |
| 33                                                                  | 601488          | 1   | PULLEY, 4" FLAT IDLER   |
| 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 ZN |

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

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

| Élément   | Numéro de pièce | Qté     | Nom                      |
|-----------|-----------------|---------|--------------------------|
| 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 .312-18X1.000HXG5     |
| 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 |
| 19        | 600320          | 1       | CAP, RADIATOR YDZ TO FIT |

Comments for Page: Cooling System

### WEATHER STRIP & SEAL LENGTHS

A: 40.6 cm

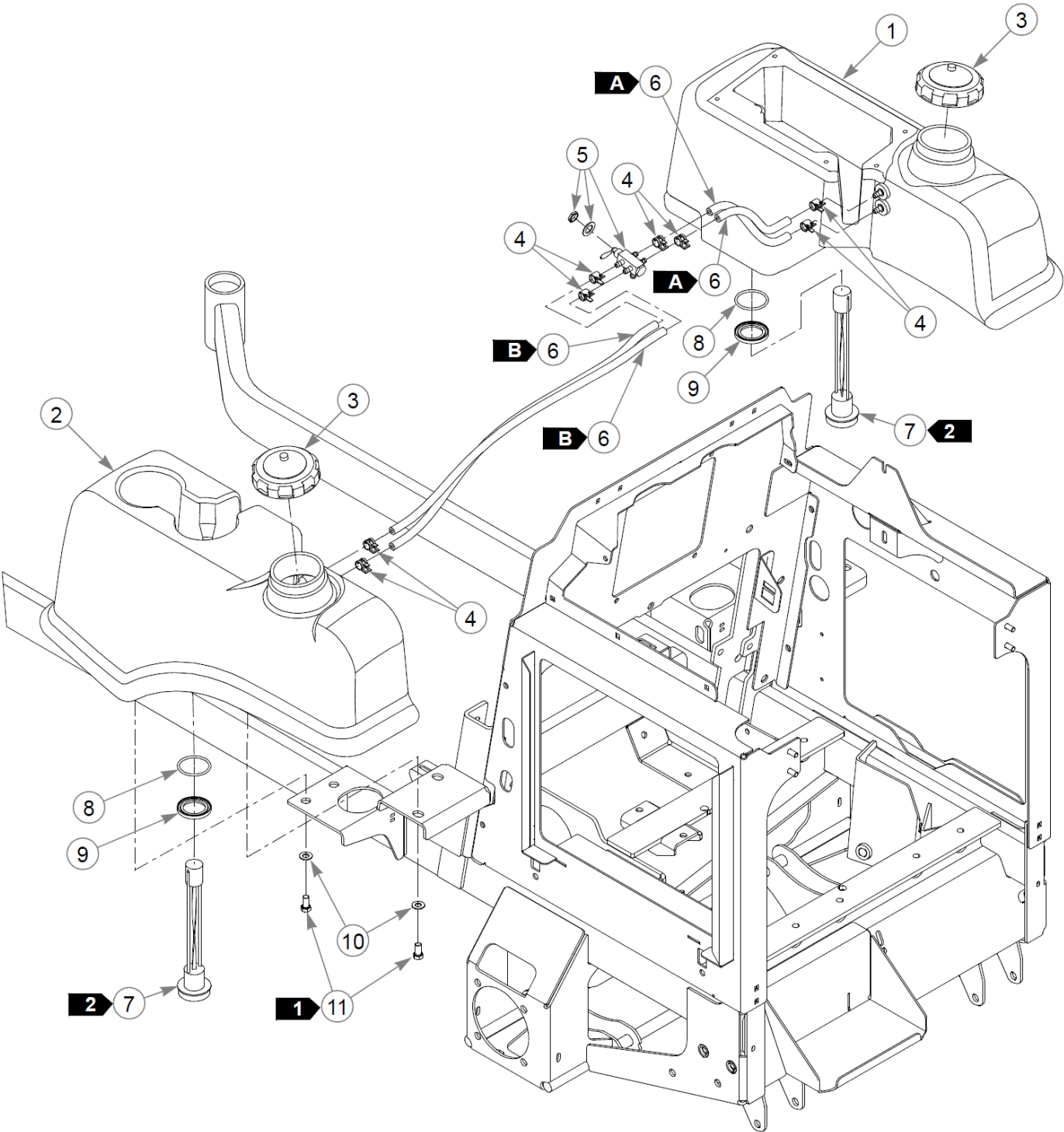
B: 39.4 cm

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

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

| Élément                                     | Numéro de pièce | Qté   | Nom                      |
|---------------------------------------------|-----------------|-------|--------------------------|
| 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"          |
| Commentaires pour le numéro de pièce 015818 |                 |       |                          |
| Sold by the foot.                           |                 |       |                          |
| 7                                           | 608042          | 2     | FUEL GAUGE & SENDER KIT  |
| 8                                           | 602069          | 2     | O-RING, VITON -225 SIZE  |
| 9                                           | 603835          | 2     | SEAL WASHER              |
| 10                                          | 767954          | 8     | FW 0.379X.82X.06 HD ZN   |
| 11                                          | 055822          | 8     | CS .375-16X0.75 HX G5 ZN |

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. The kit includes new style sender and fuel gauge.

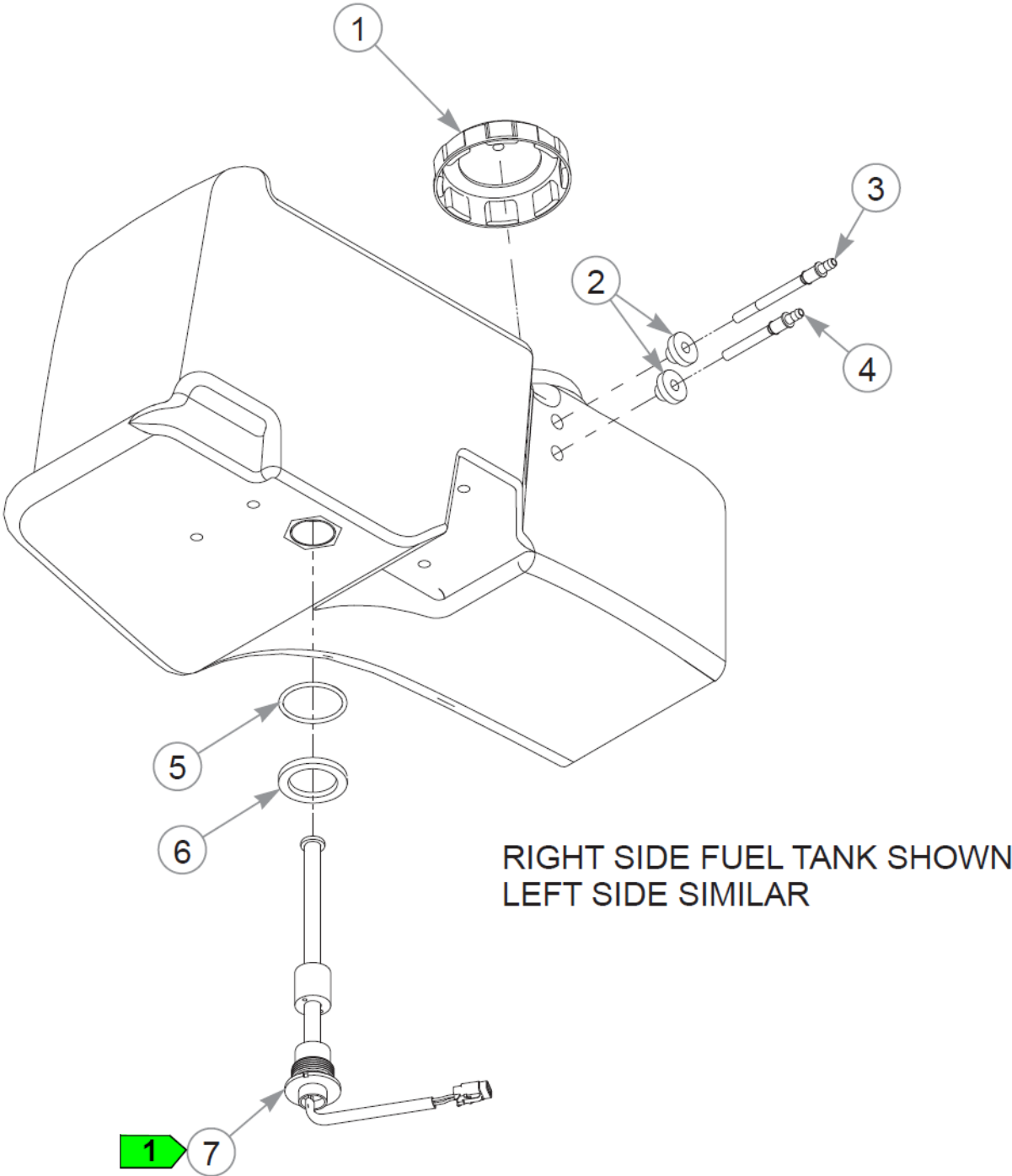
### VAPOR LINE LENGTHS

A: 25cm RIGHT TANK TO FUEL VALVE

B: 65cm LEFT TANK TO FUEL VALVE

1. Torque to 27 N•m.

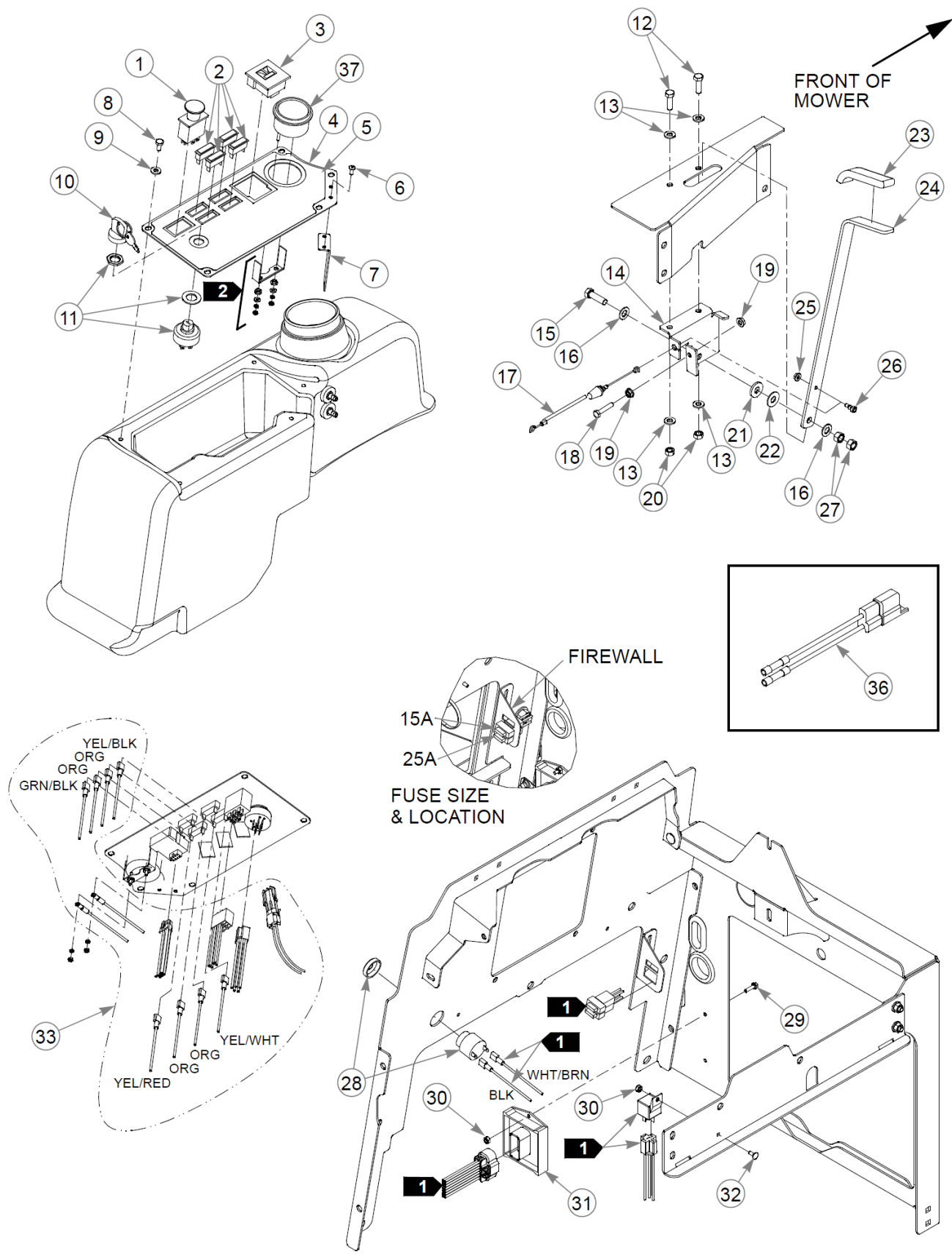
2. Torque to 8 N•m.



| Élément | Numéro de pièce | Qté | Nom                     |
|---------|-----------------|-----|-------------------------|
| 1       | 798470          | 1   | CAP, 3 1/2" YELLOW FUEL |
| 2       | 785295K         | 2   | TANK GROMMET SVC KIT    |
| 3       | 601694K         | 1   | SVC KIT, SUCTION HOSE   |
| 4       | 601695K         | 1   | SVC KIT, SUCTION HOSE   |
| 5       | 602069          | 1   | O-RING, VITON -225 SIZE |
| 6       | 603835          | 1   | SEAL WASHER             |
| 7       | 607455K         | 1   | SENDER SVC KIT          |

Comments for Page: Fuel Tank Service Parts - 603778

- 1. Torque to 27 N•m.



| Élément | Numéro de pièce | Qté | Nom                      |
|---------|-----------------|-----|--------------------------|
| 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 ZN |
| 9       | 768515          | 5   | FW 0.281SAE              |
| 10      | 785808          | 1   | KEY ASSEMBLY             |
| 11      | 045898          | 1   | IGNITION SWITCH          |
| 12      | 036236          | 2   | CS .312-18X1.000HXG5     |
| 13      | 768523          | 4   | FW 0.343SAE              |
| 14      | 109421          | 1   | THROTTLE LEVER PLATE     |
| 15      | 052860          | 1   | CS .375-16X1.25 HX G5 ZN |
| 16      | 767954          | 2   | FW 0.379X.82X.06 HD ZN   |
| 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 ZN  |
| 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.   |

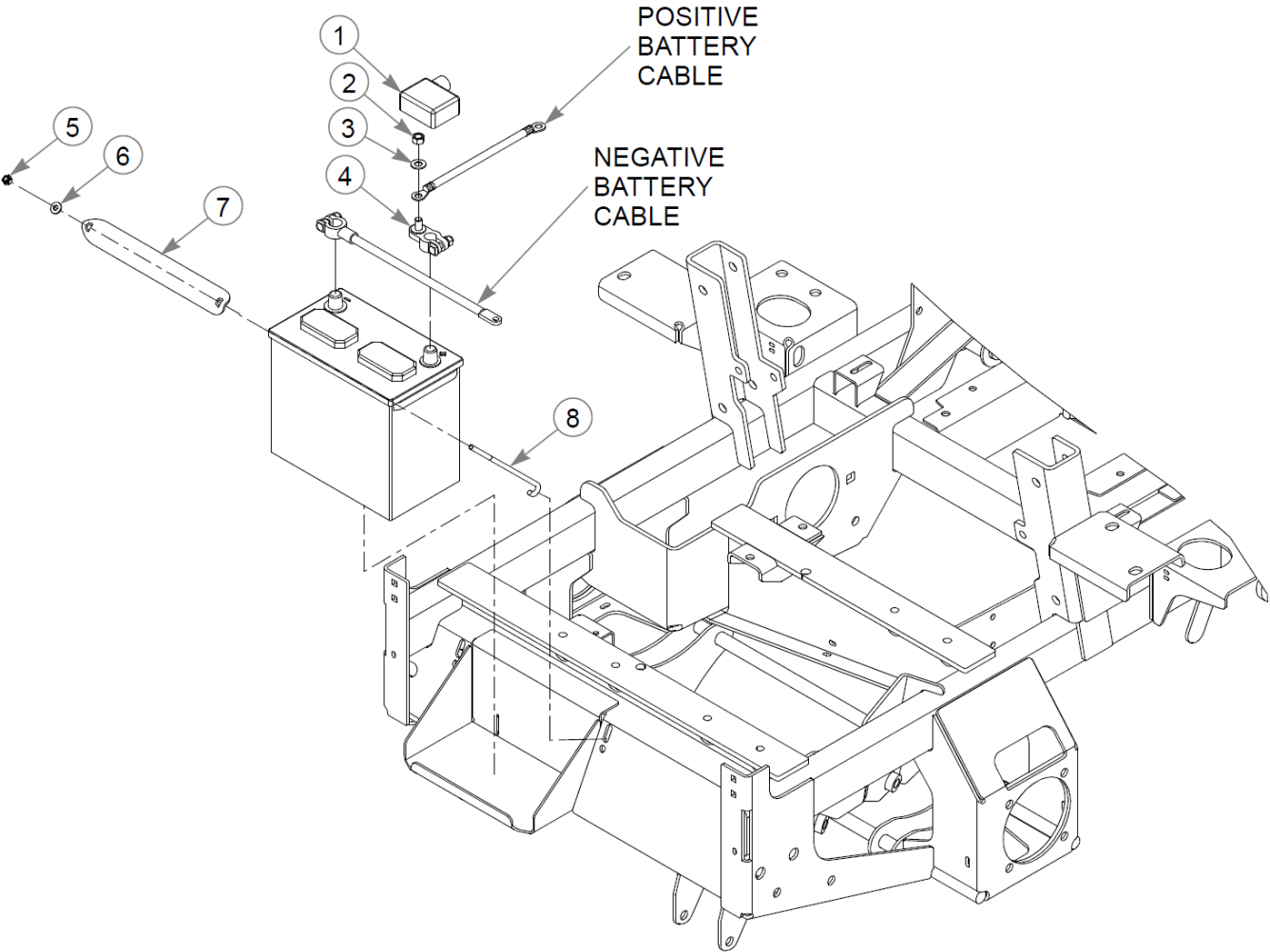
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| Élément | Numéro de pièce | Qté | Nom             |
|---------|-----------------|-----|-----------------|
| 37      | 385710011       | 1   | GUAGE, TEMP HDZ |

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.

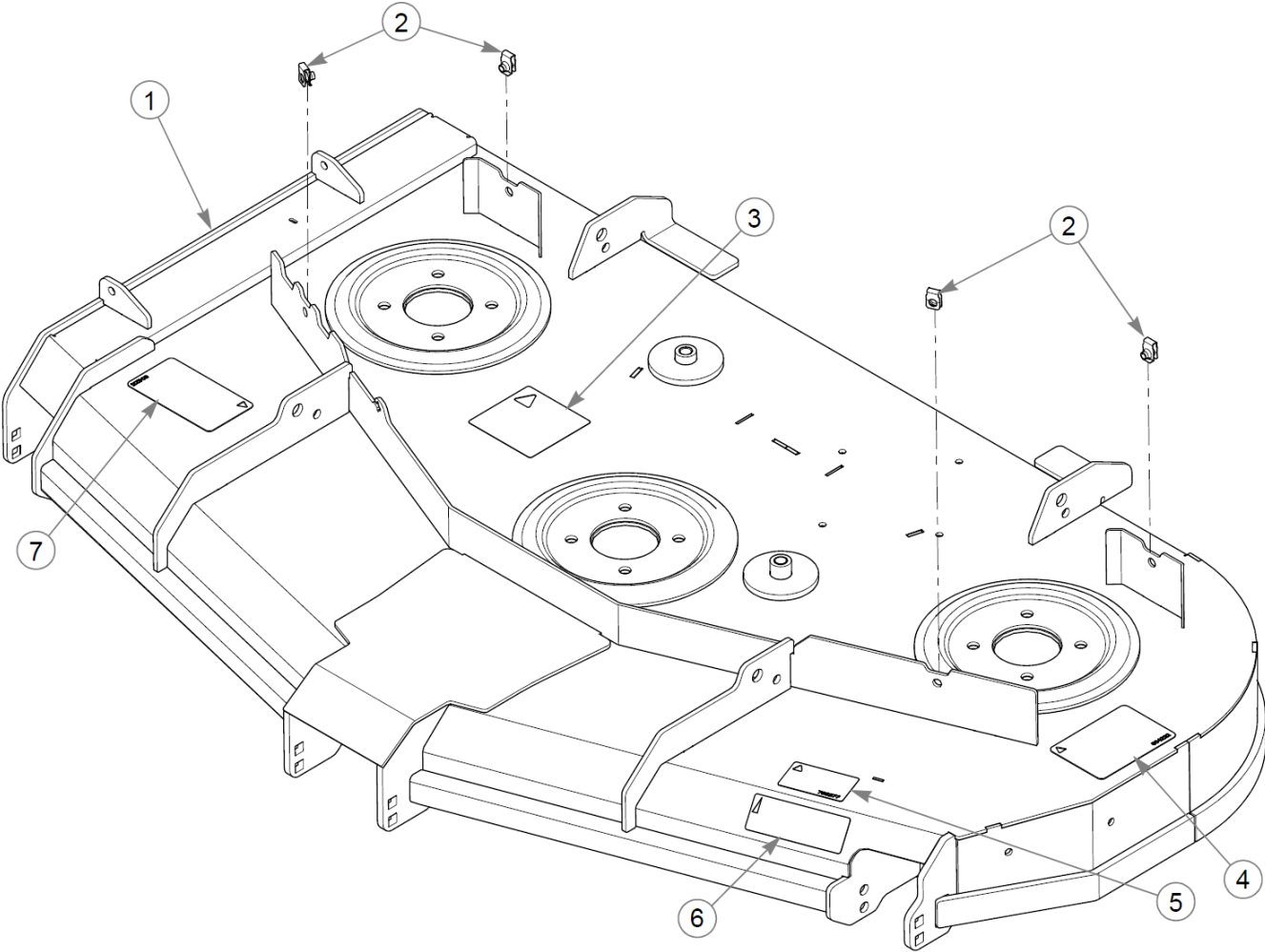




## Battery

60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

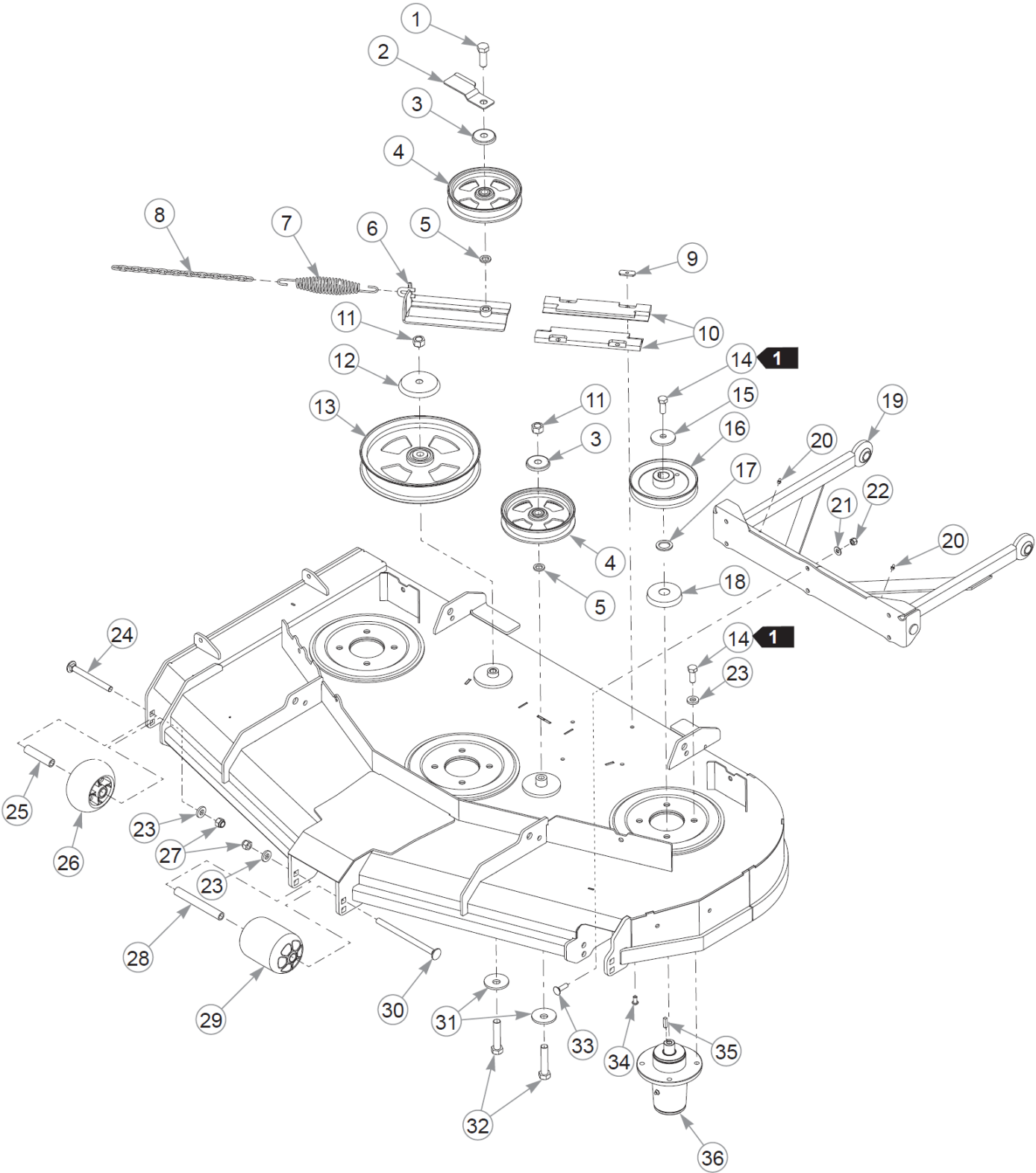
| Élément | Numéro de pièce | Qté | Nom                     |
|---------|-----------------|-----|-------------------------|
| 1       | 601381          | 1   | BOOT, POSITIVE BATTERY  |
| 2       | 054502          | 1   | NT .375-16HXG5          |
| 3       | 767954          | 1   | FW 0.379X.82X.06 HD ZN  |
| 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   |



| Élément | Numéro de pièce | Qté | Nom                     |
|---------|-----------------|-----|-------------------------|
| 1       | 554032          | 1   | 60" SERVICE DECK        |
| 2       | 601069          | 4   | CN .312-18x.200 MAX THK |
| 3       | 781419          | 1   | DECAL, BELT ROUTING     |
| 4       | 604222          | 1   | DECAL, DANGER / OBJECTS |
| 5       | 786277          | 1   | DECAL, 60 DECK ID       |
| 6       | 603092          | 1   | DECAL, VX4 TECHNOLOGY   |
| 7       | 604221          | 1   | DECAL, DANGER / CHUTE   |

Comments for Page: Service Deck

- 1. The deck includes decals and hardware.



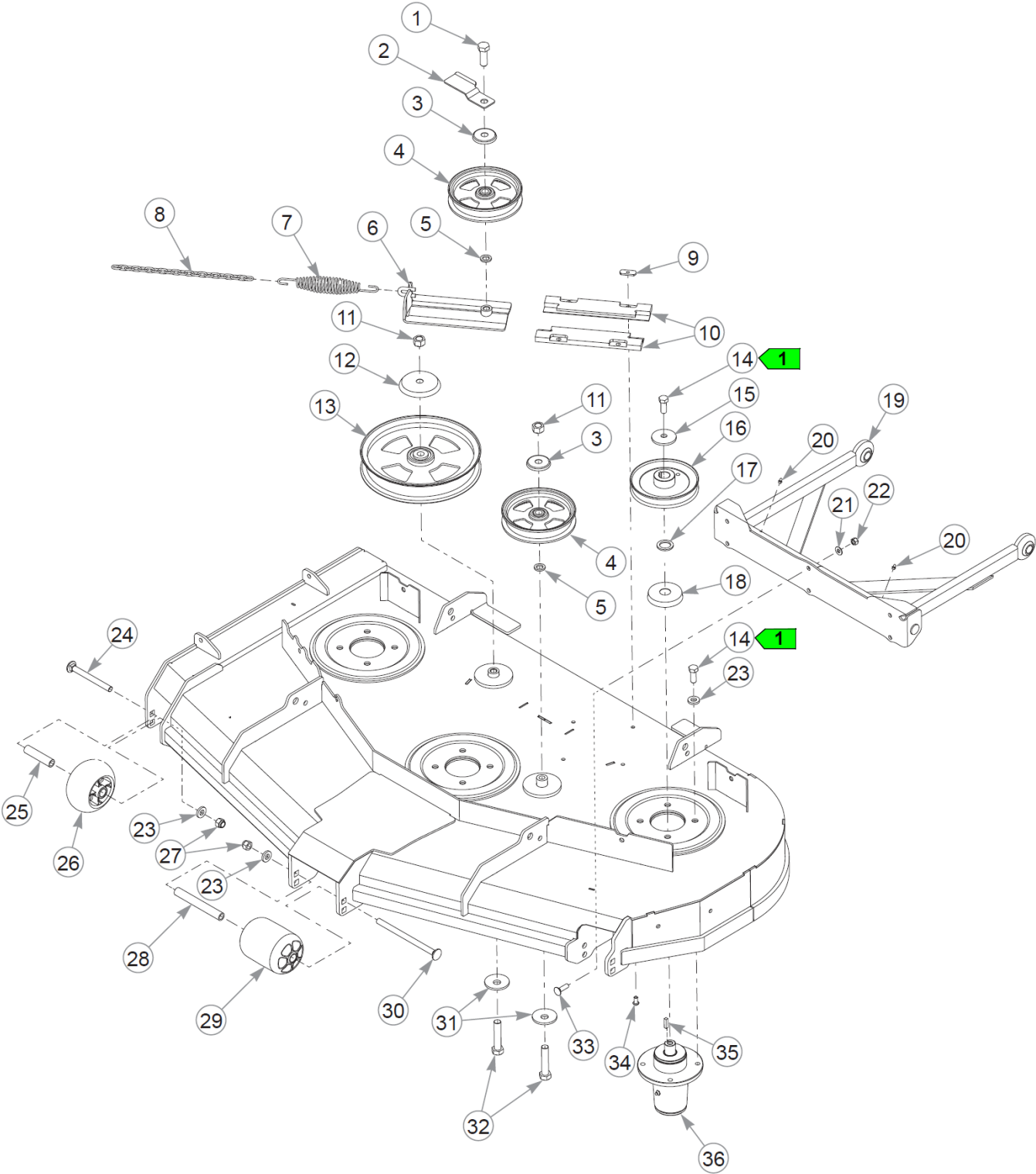
| Élément | Numéro de pièce | Qté | Nom                      |
|---------|-----------------|-----|--------------------------|
| 1       | 025007          | 1   | CS .62511X1.750HXG5      |
| 2       | 606460          | 1   | GUIDE, BELT              |
| 3       | 608144          | 2   | SHIELD, DUST             |
| 4       | 602821          | 2   | IDLER, 6.0" COMMERCIAL   |
| 5       | 028118          | 2   | FW 0.625X1.00X.13 ZN     |
| 6       | 350884          | 1   | SLIDE, DECK IDLER        |
| 7       | 781302          | 1   | IDLER SPRING             |
| 8       | 373191          | 1   | CHAIN, 21 LINK           |
| 9       | 603023          | 4   | WN .312-18 ZN            |
| 10      | 602936          | 2   | IDLER SLIDE, UHMW        |
| 11      | 016972          | 2   | NT .625-11 HX G5 ZN      |
| 12      | 602963          | 1   | DUST SHIELD, IDLER LG    |
| 13      | 602743          | 1   | IDLER, 10.0" COMMERCIAL  |
| 14      | 705954          | 15  | CS .500-13X1.25 HX G5 ZN |
| 15      | 752386          | 3   | CW .505 X 1.625 X .140   |
| 16      | 770842          | 3   | PULLEY, DECK DRIVE       |
| 17      | 045765          | 3   | FW 1.030X1.50X.13 HD ZN  |
| 18      | 607409-4        | 3   | DUST SHIELD              |
| 19      | 113340          | 1   | PUSHER W/A, HZ/SZ        |
| 20      | 015495          | 2   | GREASE FITTING STRAIGHT  |
| 21      | 086660          | 6   | NT .375-16NLG8           |
| 22      | 767954          | 6   | FW 0.379X.82X.06 HD ZN   |
| 23      | 767962          | 15  | FW .531 x 1.063 x .175   |
| 24      | 607288          | 2   | CB .50-13X4.75 STD ZN    |
| 25      | 602345          | 2   | SPACER, ANTI-SCALP 3.22  |
| 26      | 602263          | 2   | WHEEL, ANTI-SCALP        |
| 27      | 781567          | 3   | NT .500-13NLG5           |
| 28      | 602344          | 1   | SPACER, ANTI- SCALP 5.73 |
| 29      | 602341          | 1   | WHEEL, ANTI-SCALP        |
| 30      | 602338          | 1   | CB .50-13 X 7.50 STD ZN  |
| 31      | 782474          | 2   | CW .678 X 2.250 X .187   |
| 32      | 783738          | 2   | CS .625-11X3.000HXG5     |
| 33      | 025395          | 6   | CB .375-16X 1.00 G5 ZN   |
| 34      | 603022          | 4   | CS .312-18X.625 BH ZN    |
| 35      | 212472          | 3   | KEY 1/4 SQ X 1.00 LG(FS) |
| 36      | 607407          | 3   | SPINDLE ASSY, DUCTILE    |

Comments for Page: Deck Pulleys & Spindles - S/N 20104309 & HIGHER

1. Torque to 91–102 N•m.

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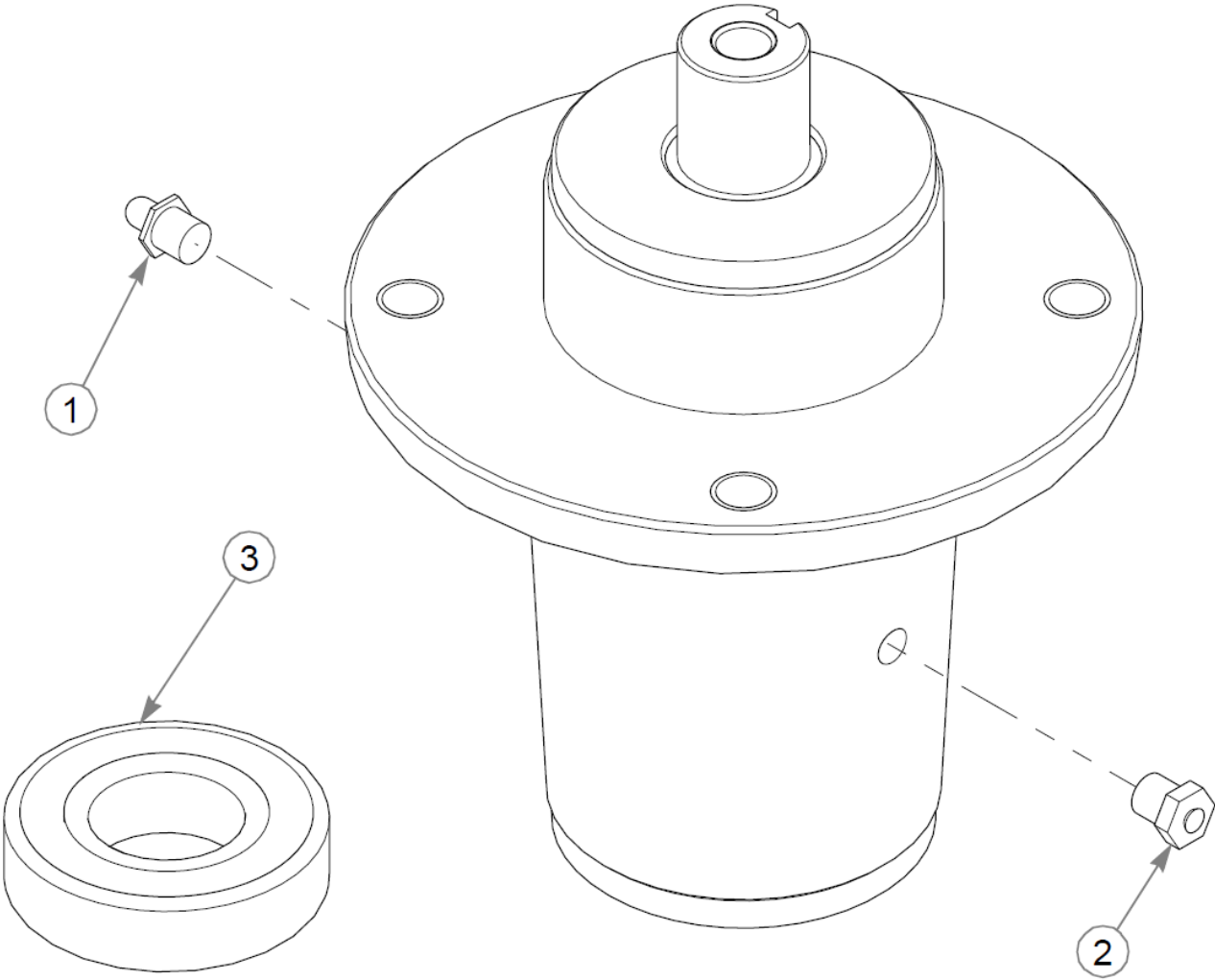
| Élément   | Numéro de pièce | Qté | Nom                      |
|-----------|-----------------|-----|--------------------------|
| 1         | 025007          | 1   | CS .62511X1.750HXG5      |
| 2         | 606460          | 1   | GUIDE, BELT              |
| 3         | 602935          | 2   | DUST SHIELD, IDLER SM    |
| Not Shown | 608144          | 2   | SHIELD, DUST             |
| 4         | 602821          | 2   | IDLER, 6.0" COMMERCIAL   |
| 5         | 028118          | 2   | FW 0.625X1.00X.13 ZN     |
| 6         | 350884          | 1   | SLIDE, DECK IDLER        |
| 7         | 781302          | 1   | IDLER SPRING             |
| 8         | 373191          | 1   | CHAIN, 21 LINK           |
| 9         | 603023          | 4   | WN .312-18 ZN            |
| 10        | 602936          | 2   | IDLER SLIDE, UHMW        |
| 11        | 016972          | 2   | NT .625-11 HX G5 ZN      |
| 12        | 602963          | 1   | DUST SHIELD, IDLER LG    |
| 13        | 602743          | 1   | IDLER, 10.0" COMMERCIAL  |
| 14        | 705954          | 15  | CS .500-13X1.25 HX G5 ZN |
| 15        | 752386          | 3   | CW .505 X 1.625 X .140   |
| 16        | 770842          | 3   | PULLEY, DECK DRIVE       |
| 17        | 045765          | 3   | FW 1.030X1.50X.13 HD ZN  |
| 18        | 607409-4        | 3   | DUST SHIELD              |
| 19        | 113340          | 1   | PUSHER W/A, HZ/SZ        |
| 20        | 015495          | 2   | GREASE FITTING STRAIGHT  |
| 21        | 086660          | 6   | NT .375-16NLG8           |
| 22        | 767954          | 6   | FW 0.379X.82X.06 HD ZN   |
| 23        | 767962          | 15  | FW .531 x 1.063 x .175   |
| 24        | 607288          | 2   | CB .50-13X4.75 STD ZN    |
| 25        | 602345          | 2   | SPACER, ANTI-SCALP 3.22  |
| 26        | 602263          | 2   | WHEEL, ANTI-SCALP        |
| 27        | 781567          | 3   | NT .500-13NLG5           |
| 28        | 602344          | 1   | SPACER, ANTI- SCALP 5.73 |
| 29        | 602341          | 1   | WHEEL, ANTI-SCALP        |
| 30        | 602338          | 1   | CB .50-13 X 7.50 STD ZN  |
| 31        | 782474          | 2   | CW .678 X 2.250 X .187   |
| 32        | 783738          | 2   | CS .625-11X3.000HXG5     |
| 33        | 025395          | 6   | CB .375-16X 1.00 G5 ZN   |
| 34        | 603022          | 4   | CS .312-18X.625 BH ZN    |
| 35        | 212472          | 3   | KEY 1/4 SQ X 1.00 LG(FS) |

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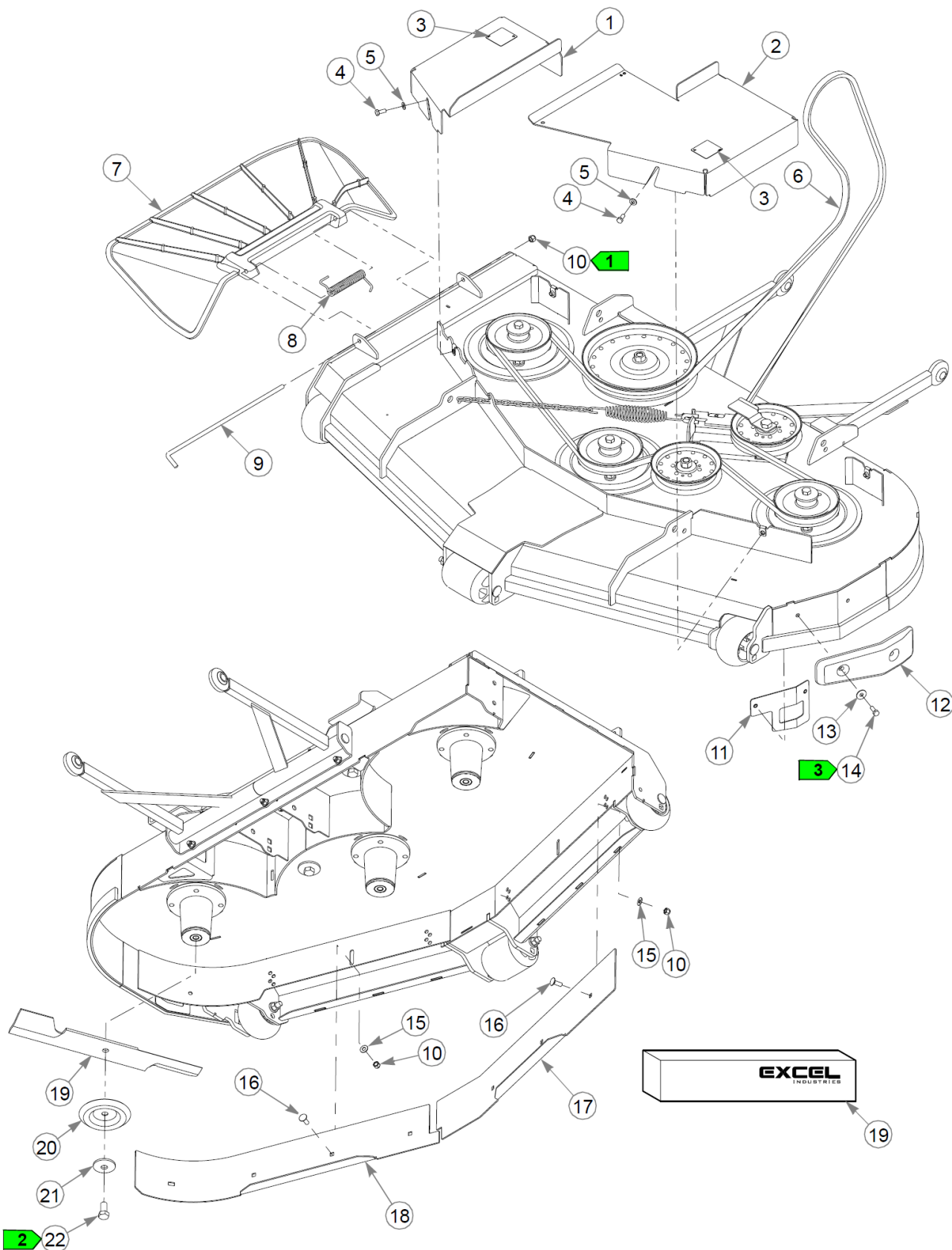
| Élément | Numéro de pièce | Qté | Nom                   |
|---------|-----------------|-----|-----------------------|
| 36      | 607407          | 3   | SPINDLE ASSY, DUCTILE |

Comments for Page: Deck Pulleys & Spindles - S/N PRIOR TO 20104309

- 1. Torque to 91–102 N•m.



| Élément | Numéro de pièce | Qté | Nom            |
|---------|-----------------|-----|----------------|
| 1       | 607477          | 1   | GREASE ZERK    |
| 2       | 607478          | 1   | RELIEF FITTING |
| 3       | 607955          | 2   | BEARING        |

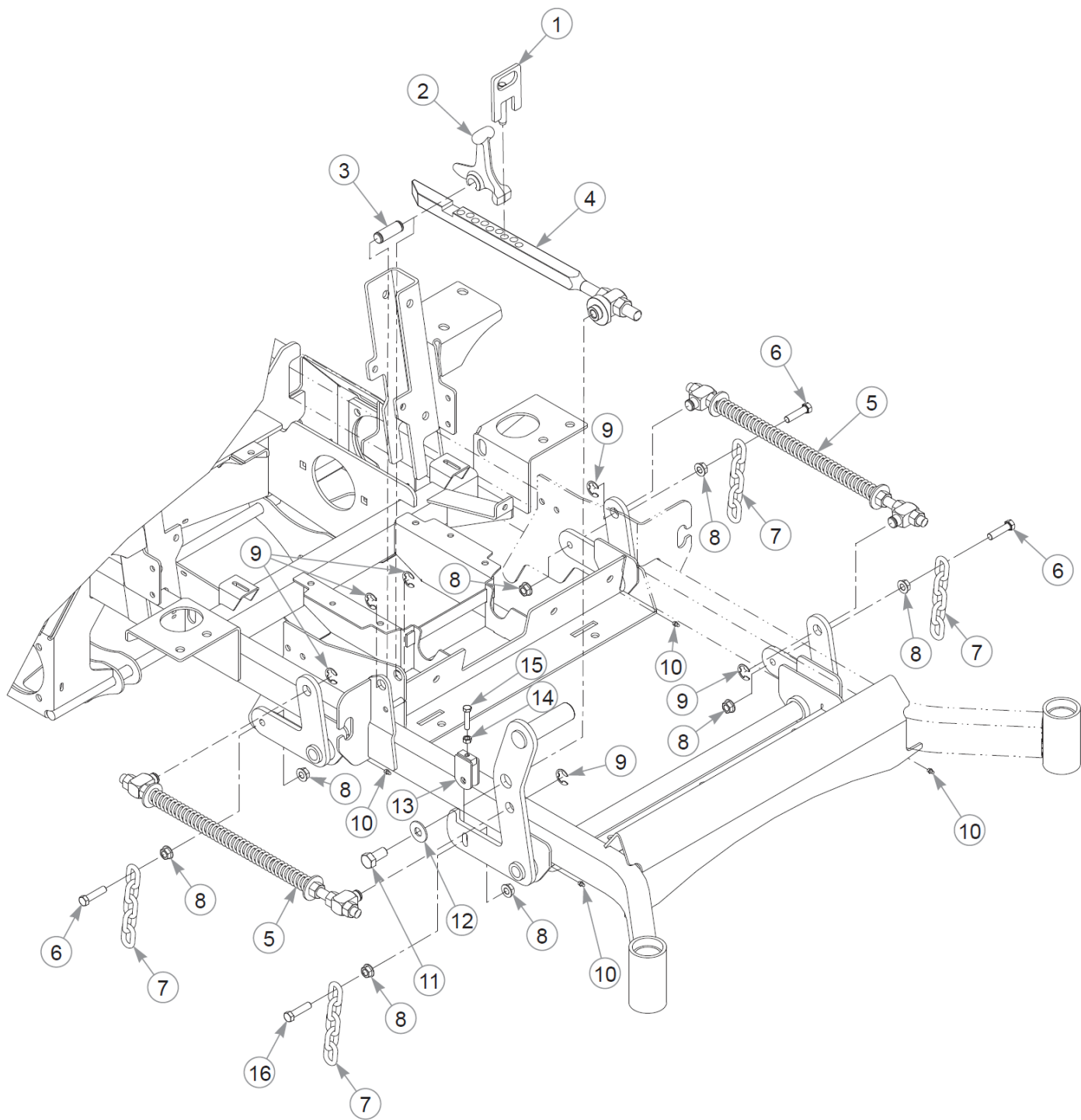


| Élément   | Numéro de pièce | Qté | Nom                     |
|-----------|-----------------|-----|-------------------------|
| 1         | 554733          | 1   | SVC, PULLEY COVER RH    |
| 2         | 554734          | 1   | SVC, PULLEY COVER LH    |
| 3         | 602562          | 2   | DECAL, NO SERVICE       |
| 4         | 034280          | 4   | CS .312-18X0.750HXG5    |
| 5         | 768523          | 4   | FW 0.343SAE             |
| 6         | 603688          | 1   | DECK BELT               |
| 7         | 602891          | 1   | CHUTE, DISCHARGE LG     |
| 8         | 602435          | 1   | SPRING, TORSION         |
| 9         | 602432          | 1   | PIN, CHUTE              |
| 10        | 086660          | 8   | NT .375-16NLG8          |
| 11        | 113563          | 1   | BACKING PLATE W/A       |
| 12        | 602817          | 1   | RUBBER BUMPER           |
| 13        | 079210          | 2   | FW 0.344X1.0X0.06 ZN    |
| 14        | 064014          | 2   | CS .312-18X0.875HXG5    |
| 15        | 767954          | 7   | FW 0.379X.82X.06 HD ZN  |
| 16        | 025395          | 7   | CB .375-16X 1.00 G5 ZN  |
| 17        | 113636          | 1   | WALL, INNER RH 60" CE   |
| 18        | 113637          | 1   | WALL, INNER LH 60" CE   |
| 19        | 602771          | 3   | BLADE, F20.50" EHN-F-CW |
| Not Shown | 602771X         | 1   | 6PK BLADE, F20.50" EHNF |
| 20        | 114988          | 3   | SHIELD, BLADE BOLT      |
| 21        | 782474          | 3   | CW .678 X 2.250 X .187  |
| 22        | 781872          | 3   | CS .625-11X1.250HXG5    |

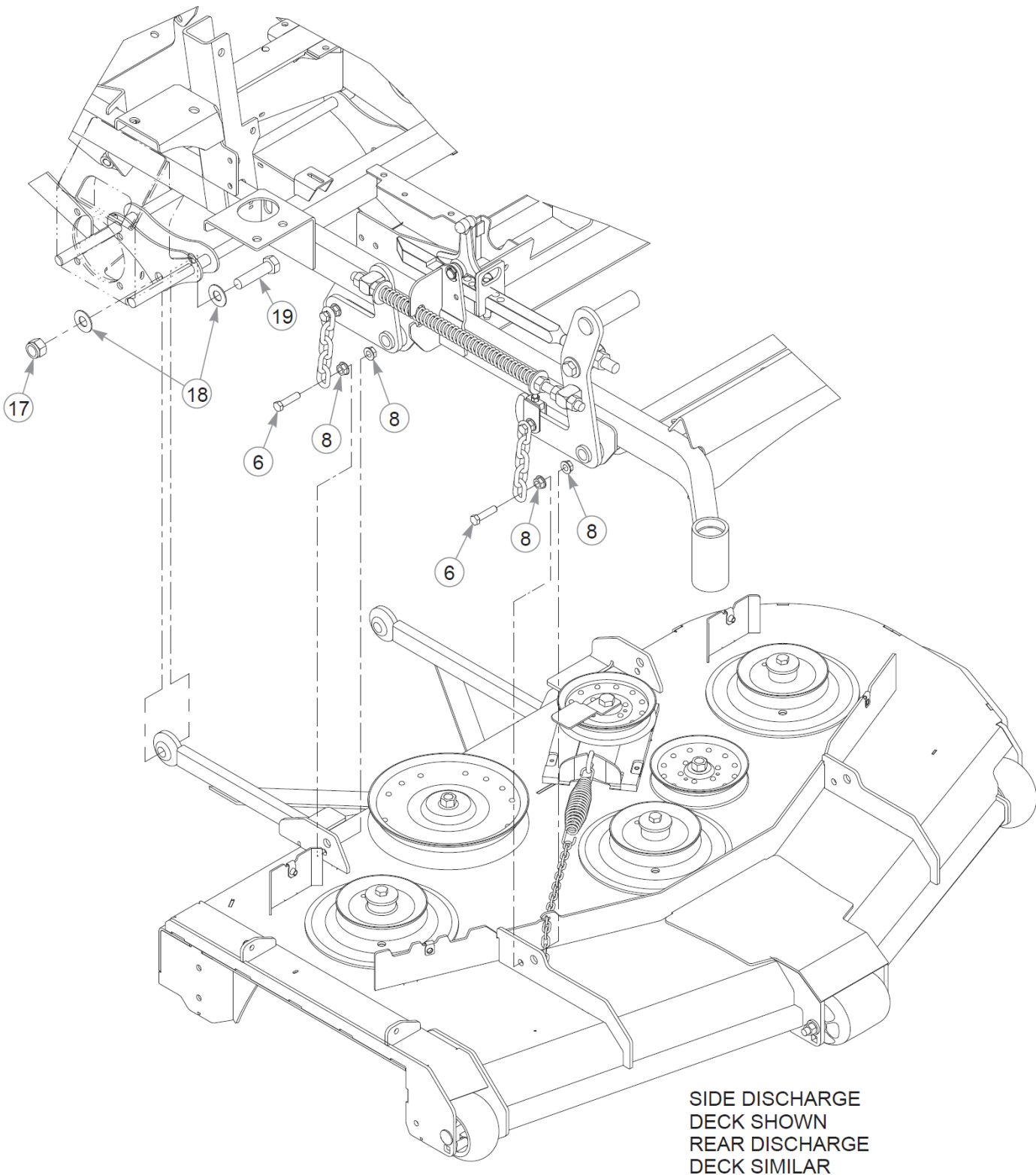
Comments for Page: Deck Belt, Discharge Chute, Pulley Covers & Blades

1. Do not torque; the discharge chute must pivot freely.
2. Torque to 160 N•m.
3. Torque to 14 N•m.
4. The pulley covers include the decals.

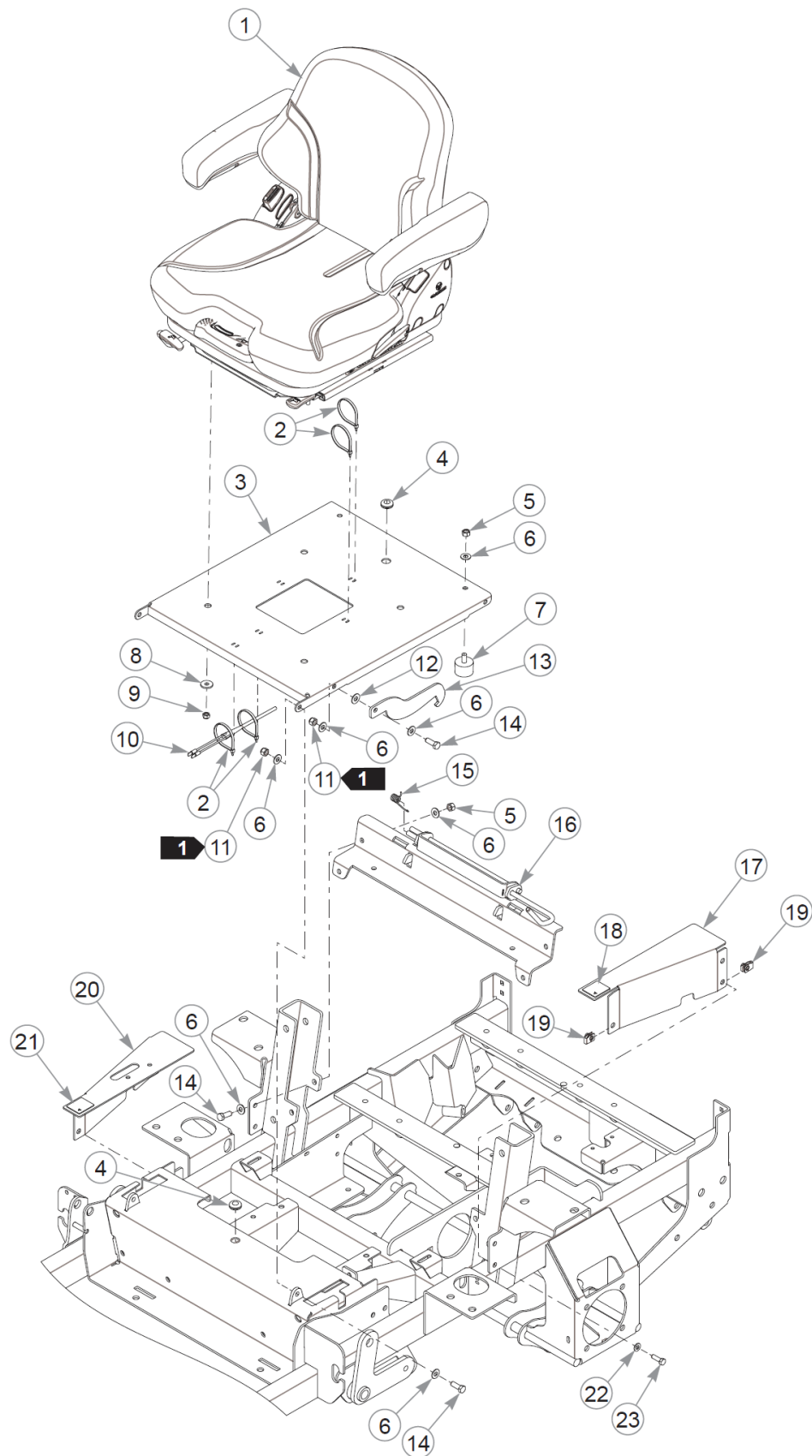




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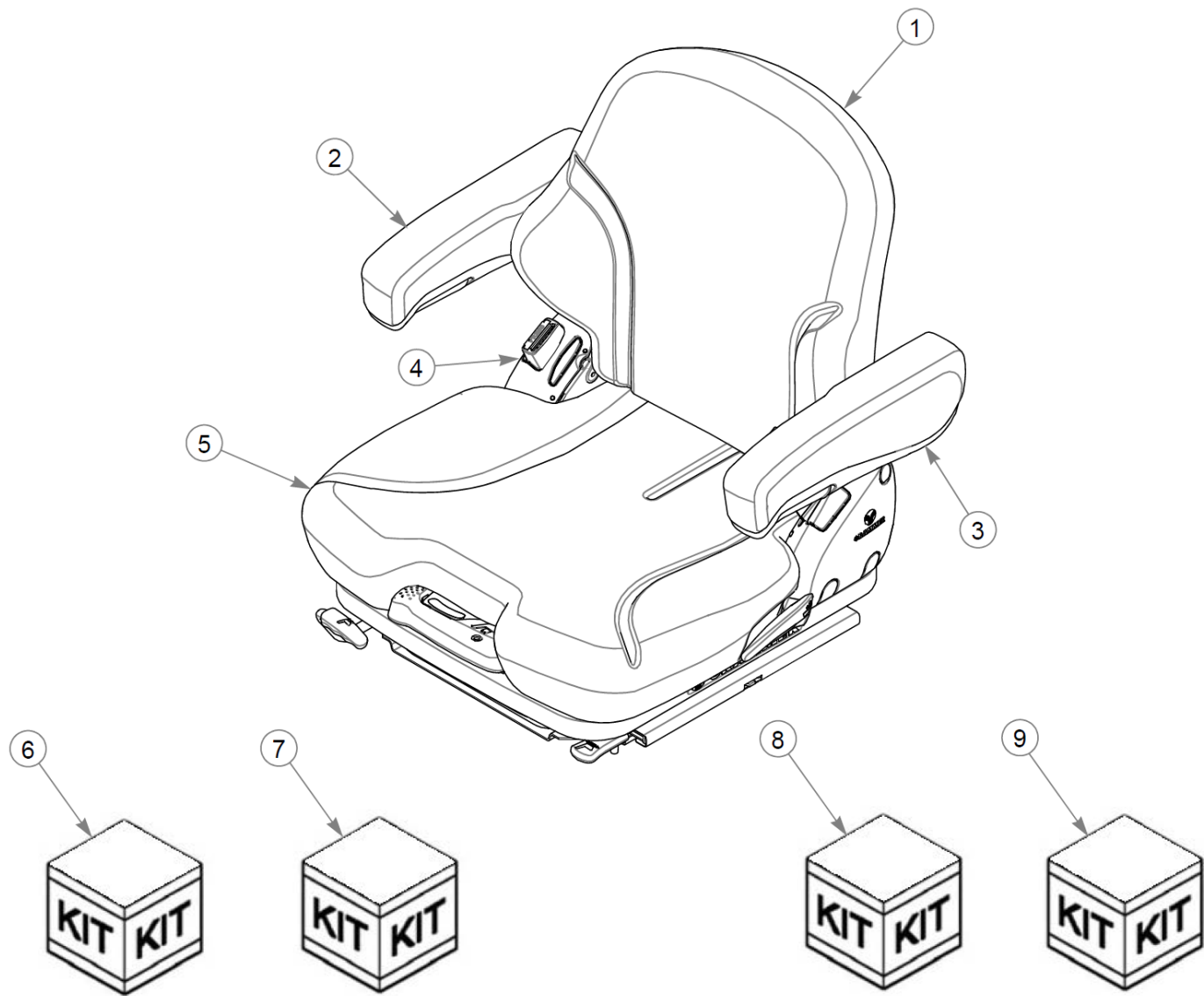
| Élément | Numéro de pièce | Qté | Nom                      |
|---------|-----------------|-----|--------------------------|
| 1       | 600437          | 1   | PIN, DECK HEIGHT W/A     |
| 2       | 348318          | 1   | HANDLE, STOP             |
| 3       | 781229          | 1   | CE .750X2.25 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 ZN NL GR B |
| 18      | 025296          | 4   | FW .760X1.63X0.08 ZN     |
| 19      | 051169          | 2   | CS .750-10X3.000HXG5     |



| Élément | Numéro de pièce | Qté | Nom                      |
|---------|-----------------|-----|--------------------------|
| 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 ZN   |
| 7       | 601650          | 2   | VIBRATION MOUNT 70DURO   |
| 8       | 712927          | 4   | FW 0.344X1.00X.12 HD ZN  |
| 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 ZN |
| 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 .312-18X1.000HXG5     |

Comments for Page: Seat

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



## Seat Service Parts

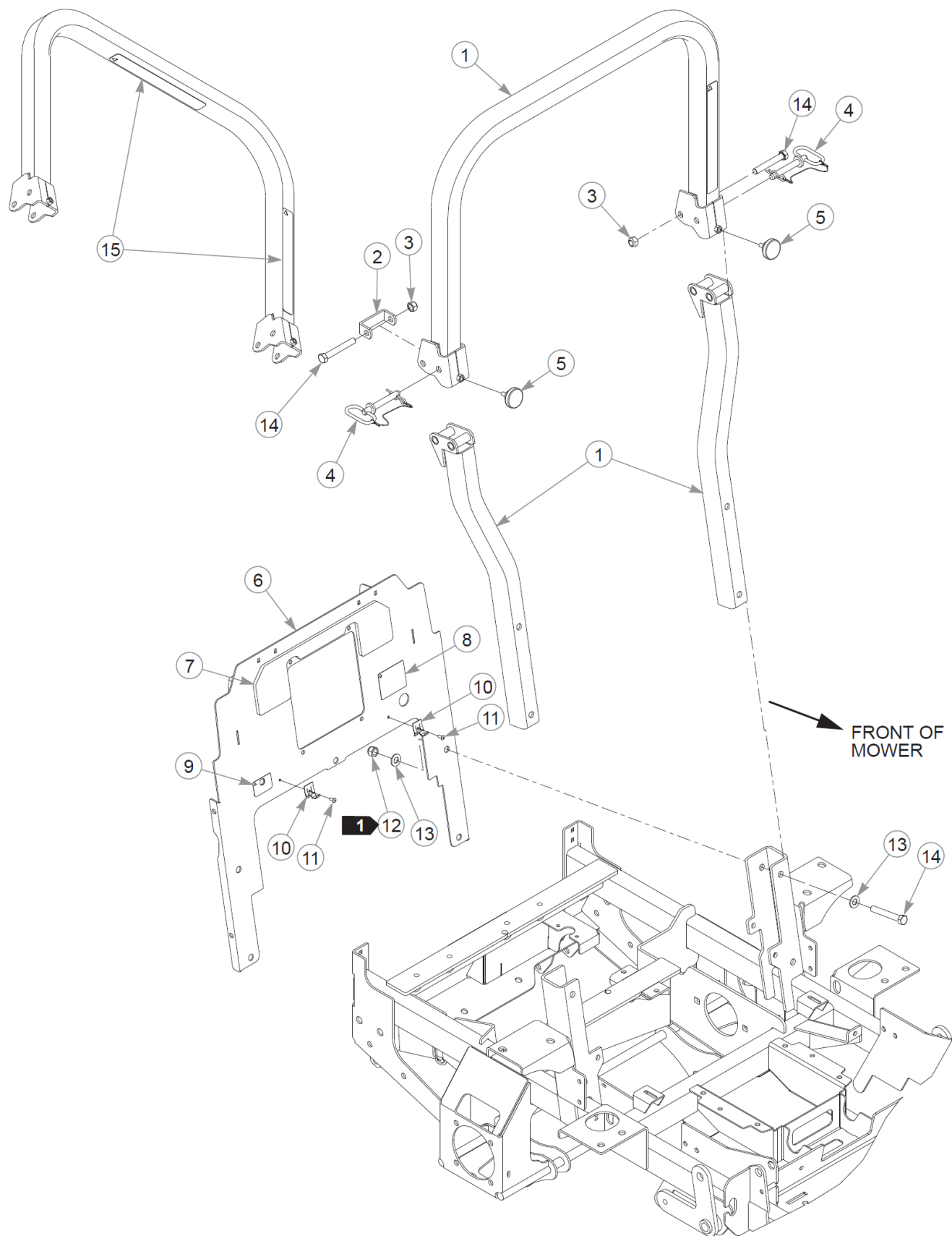
60" Diesel Z Parts Manual - 938183CE - HTHDZS060SHIS773LC

| Élément   | Numéro de pièce | Qté | Nom                      |
|-----------|-----------------|-----|--------------------------|
| 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     |

Comments for Page: Seat Service Parts

1. 605750 (back cushion) and 605752 (seat cushion) are used on mowers S/N 15010001 & higher.
2. 604940 (back cushion) and 604939 (seat cushion) are used on mowers S/N prior to 15010001.





| Élément | Numéro de pièce | Qté | Nom                      |
|---------|-----------------|-----|--------------------------|
| 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 ZN |
| 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.