



PARTS MANUAL

IS5000Z Series

Zero-Turn Riding Mower

*Tractor Serial No. 1226 & above
Mower Serial No. 1210 & above*



| Tractor: | Mower Deck: |
|-----------------|--------------------|
| Model | Model |
| IS5000Z/C31D | 5000/72 |
| IS5000Z/C31DCE | 5000/72R |
| IS5000ZC31D61CE | 5000/72RCE |
| | 5000/61R |
| | 5000/61RCE |

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23460
Revision 02
Rev. Date: 11/2004
TP 400-7168-02-5Z-F

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MOWER DECK COMPONENTS

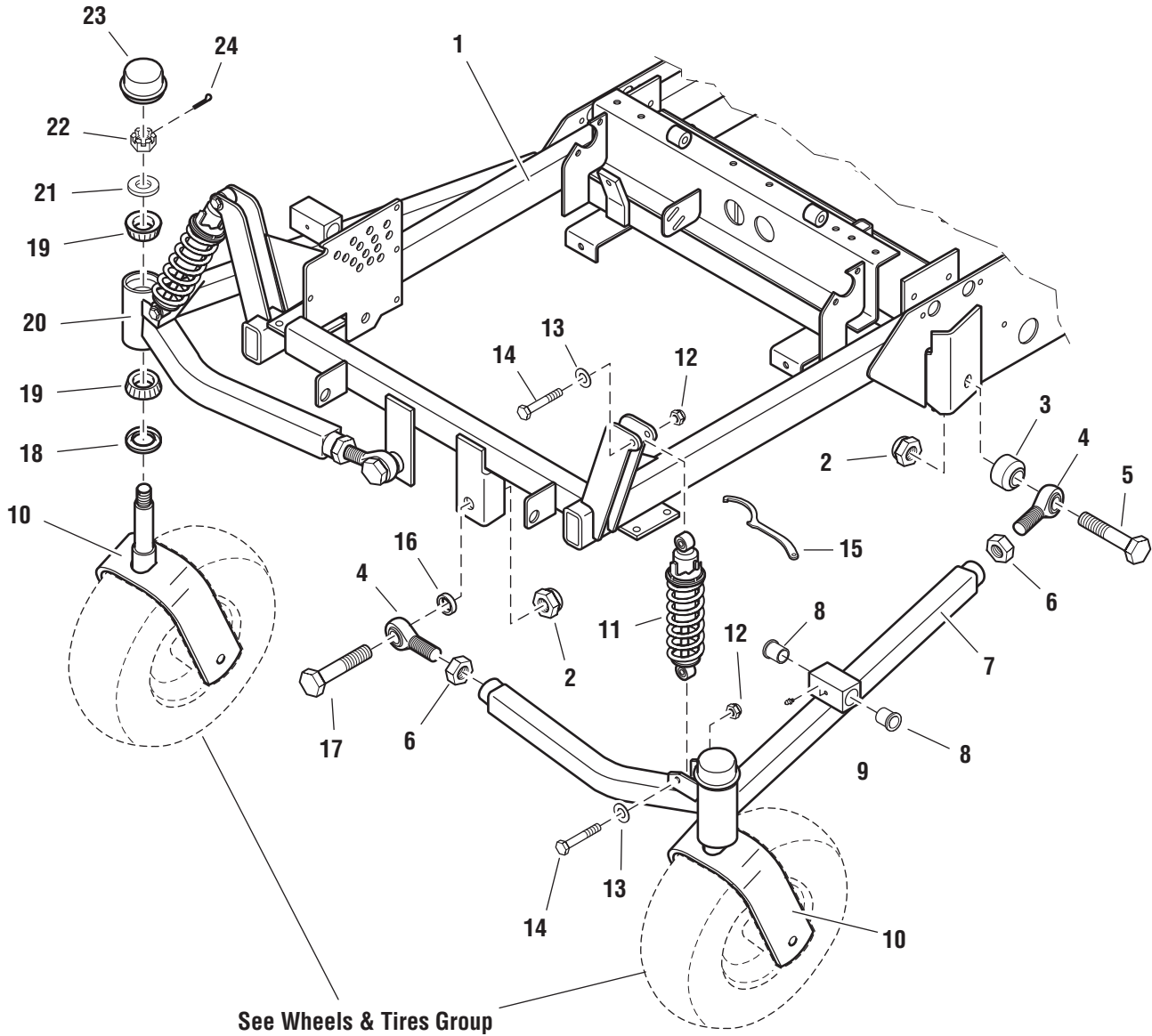
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|---|----|
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Main Frame & Front Suspension Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Main Frame & Front Suspension Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---|
| 1 | 61383 | 1 | MAIN FRAME |
| 2 | 25284 | 4 | NUT, Hex Nylon Lock, 3/4-16 |
| 3 | 46093 | 2 | SPACER, .75 x 1.50 x 1.00 |
| 4 | 22039 | 4 | BALL JOINT, 3/4-16 |
| 5 | 25265-28 | 2 | CAPSCREW, Hex Head, 3/4-16 x 3-1/2 |
| 6 | 25093 | 4 | NUT, Hex, Jam, 3/4-16 |
| 7 | 61400 | 1 | SUSPENSION ARM ASSEMBLY - LH, Complete (includes Ref No. 8) |
| 8 | 23343 | 4 | BUSHING, Flange (2 per suspension arm) |
| 9 | 20095 | 2 | GREASE FITTING |
| 10 | 45769 | 2 | CASTER TIRE MOUNT |
| 11 | 22842 | 2 | SHOCK & SPRING ASSEMBLY |
| 12 | 25096 | 4 | NUT, Hex Nylon Lock, 3/8-16 |
| 13 | 25156 | 4 | WASHER, 3/8 |
| 14 | 25013-16 | 4 | CAPSCREW, Hex Head, 3/8-16 x 2 |
| 15 | 22853 | 1 | SPANNER WRENCH |
| 16 | 47461 | 2 | SPACER, .75 x 1.00 x .25 |
| 17 | 25265-24 | 2 | CAPSCREW, Hex Head, 3/4-16 x 3 |
| 18 | 21072 | 2 | GREASE SEAL |
| 19 | 20884 | 4 | BEARING, Tapered Roller |
| 20 | 61399 | 1 | SUSPENSION ARM ASSEMBLY - RH, Complete (includes Ref No. 8) |
| 21 | 25160 | 2 | WASHER, 3/4 |
| 22 | 25104 | 2 | NUT, Hex, Slotted, 3/4-16 |
| 23 | 21073 | 2 | CAP |
| 24 | 25203-10 | 2 | PIN, Cotter |

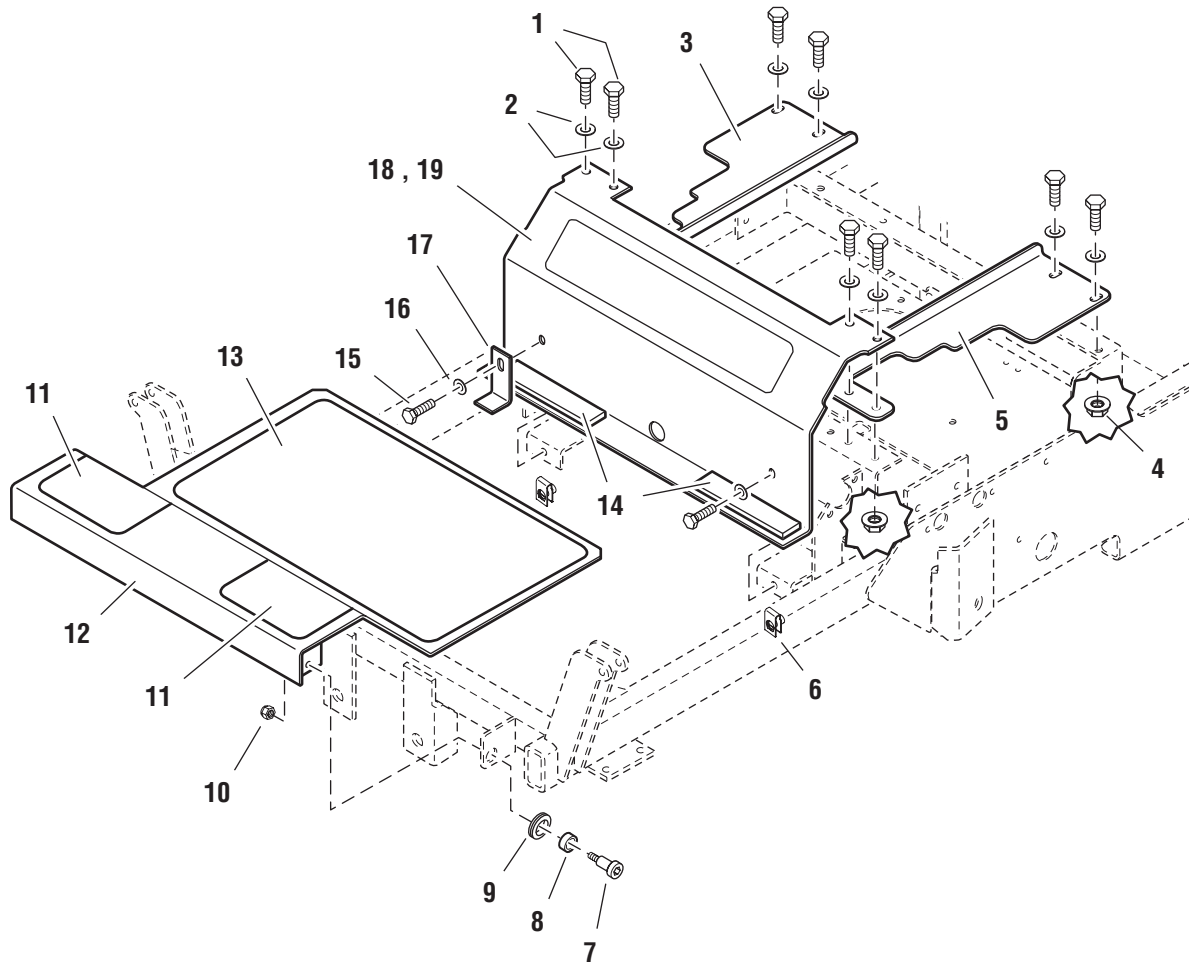
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Floor Pan, Brake Cover & Control Shields Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Floor Pan, Brake Cover & Control Shields Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---|
| 1 | 25013-8 | 8 | CAPSCREW, Hex Head, 3/8-16 x 1 |
| 2 | 25156 | 8 | WASHER, 3/8 |
| 3 | 47548 | 1 | SHIELD -RH |
| 4 | 25128 | 8 | NUT, Hex Serrated Flange, 3/8-16 |
| 5 | 47549 | 1 | SHIELD - LH |
| 6 | 22308 | 2 | BODY CLIP, 5/16-18 |
| 7 | 25340 | 2 | SHOULDER BOLT, 3/8 x 5/8 |
| 8 | 41600 | 2 | SLEEVE |
| 9 | 22816 | 2 | GROMMET |
| 10 | 25057 | 2 | NUT, Hex Nylon Lock, 5/16-18 |
| 11 | 45915 | 2 | SAFETY WALK |
| 12 | 45333 | 1 | FLOOR PAN |
| 13 | 44873 | 1 | SAFETY WALK |
| 14 | 21877 | 2 | RUBBER PAD |
| 15 | 25011-6 | 2 | CAPSCREW, Hex Head, 5/16-18 x 3/4 |
| 16 | 25155 | 2 | WASHER, 5/16 |
| 17 | 47285 | 1 | HOLD DOWN (Export models only) |
| 18 | 61547 | 1 | BRAKE COVER PANEL ASSEMBLY (includes decal) |
| 19 | 61548 | 1 | BRAKE COVER PANEL ASSEMBLY, Export Model (includes decal) |

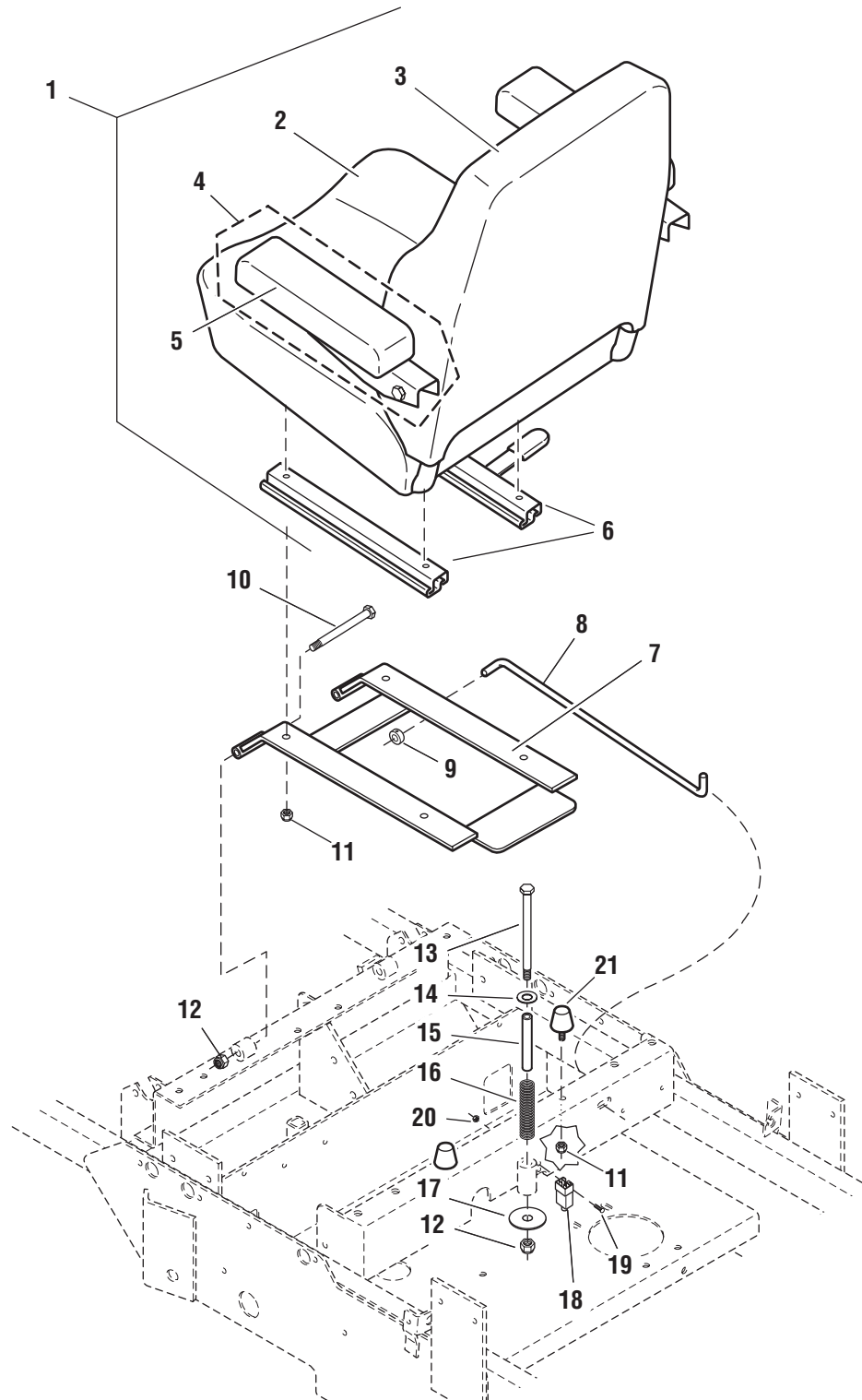
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Seat & Mount Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Seat & Mount Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---|
| 1 | 22955 | 1 | SEAT, Deluxe, Gray (Complete, includes Ref No. 2 - 6) |
| 2 | 22955-1 | 1 | CUSHION, Bottom Cover |
| 3 | 22955-2 | 1 | CUSHION, Back Cover |
| 4 | 22955-3 | 2 | ARM REST SET (includes Ref No. 5) |
| 5 | 22955-4 | 2 | ARM REST PADS |
| 6 | 20930-3 | 1 | SEAT ADJUSTER RAILS (set of 2) |
| 7 | 47744 | 1 | SEAT MOUNT |
| 8 | 46470 | 1 | SEAT STOP ROD |
| 9 | 20047 | 1 | COLLAR, 5/16 Set |
| 10 | 25013-32 | 2 | CAPSCREW, Hex Head, 3/8-16 x 4 |
| 11 | 25057 | 6 | NUT, Hex Nylon Lock, 5/16-18 |
| 12 | 25096 | 3 | NUT, Hex Nylon Lock, 3/8-16 |
| 13 | 25013-48 | 1 | CAPSCREW, Hex Head, 3/8-16 x 6 |
| 14 | 25156 | 1 | WASHER, 3/8 |
| 15 | 46586 | 1 | SPACER, .38 X .50 X 5.06 |
| 16 | 22798 | 1 | SPRING, Compression |
| 17 | 25326 | 1 | WASHER, 3/8 x 2 |
| 18 | 22094 | 1 | SWITCH, NC/NC |
| 19 | 25270 | 2 | SCREW, #10-24 x 1 |
| 20 | 25029 | 2 | NUT, Hex, #10-24 |
| 21 | 22612 | 2 | RUBBER BUMPER |

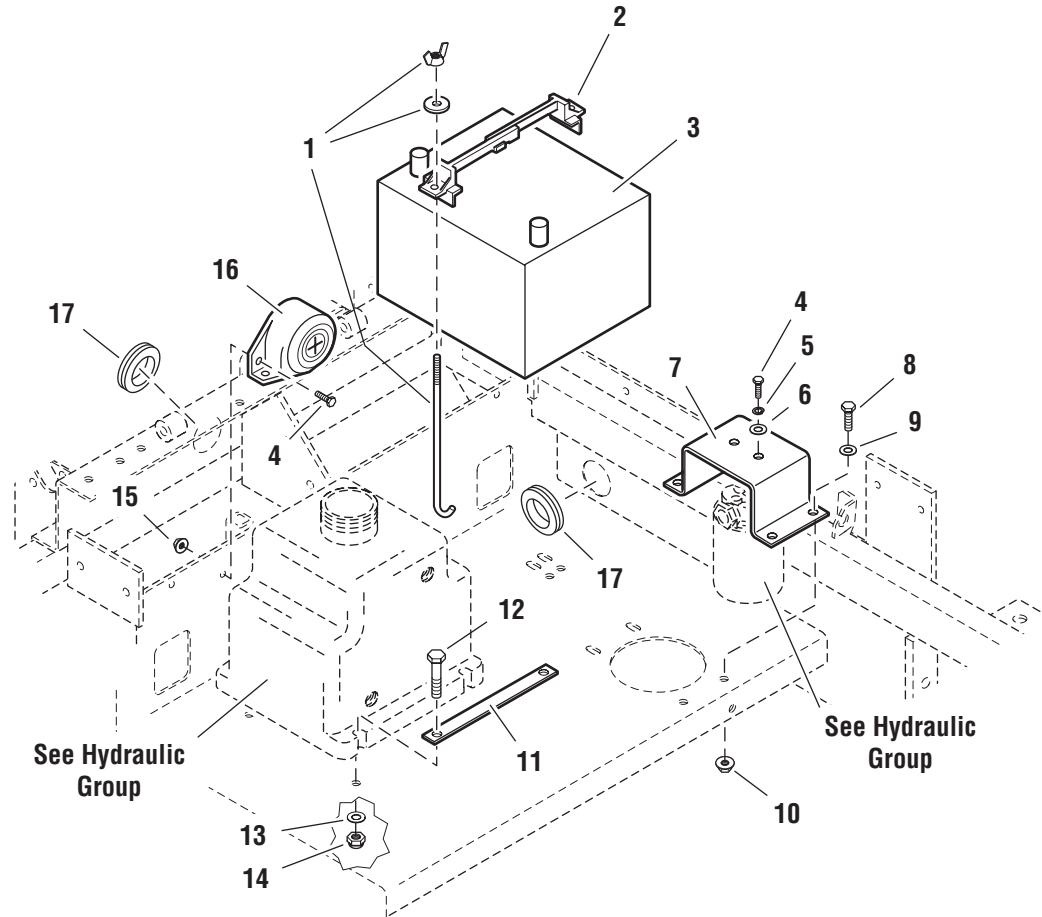
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Seat Compartment Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Seat Compartment Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---------------------------------------|
| 1 | 22596 | 2 | BATTERY HOLD DOWN BOLT & NUT |
| 2 | 22595 | 1 | BATTERY HOLD DOWN |
| 3 | * | 1 | BATTERY, 12V (standard BCI58 battery) |
| 4 | 25010-6 | 4 | CAPSCREW, Hex Head, 1/4-20 x 3/4 |
| 5 | 25169 | 2 | LOCKWASHER, 1/4 |
| 6 | 25154 | 2 | WASHER, 1/4 |
| 7 | 47635 | 1 | OIL FILTER MOUNT |
| 8 | 25011-6 | 4 | CAPSCREW, Hex Head, 5/16-18 x 3/4 |
| 9 | 25155 | 4 | WASHER, 5/16 |
| 10 | 25127 | 4 | NUT, Hex Serrated Flange, 5/16-18 |
| 11 | 46061 | 2 | HOLD DOWN PLATE |
| 12 | 25013-18 | 4 | CAPSCREW, Hex Head, 3/8-16 x 2-1/4 |
| 13 | 25156 | 4 | WASHER, 3/8 |
| 14 | 25096 | 4 | NUT, Hex Nylon Lock, 3/8-16 |
| 15 | 25126 | 2 | NUT, Hex Serrated Flange, 1/4-20 |
| 16 | 22594 | 1 | ALARM |
| 17 | 21397 | 3 | GROMMET |

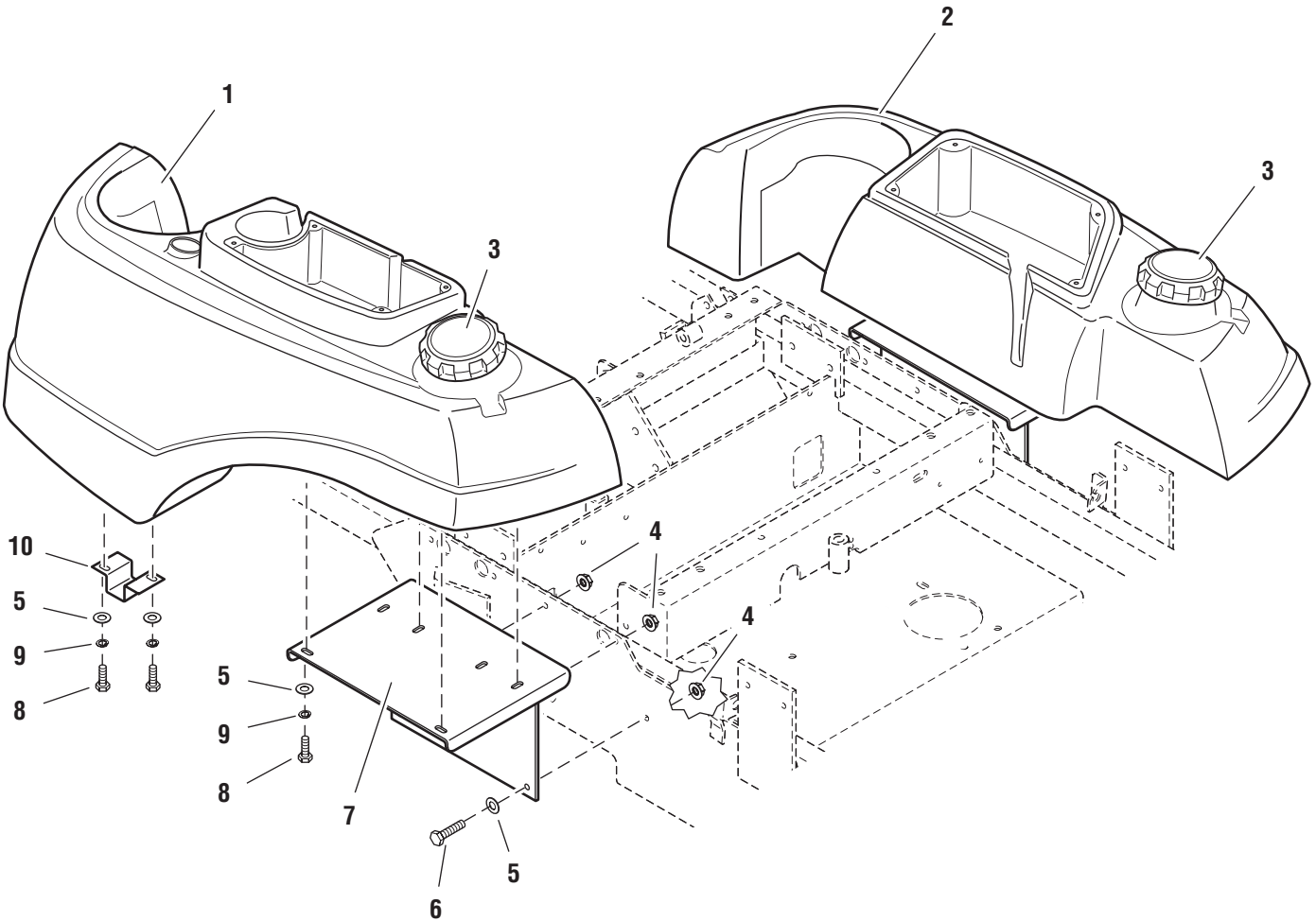
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Fuel Tank & Mount Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Fuel Tank & Mount Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---|
| 1 | 49120 | 1 | FUEL TANK - LH |
| 2 | 49121 | 1 | FUEL TANK - RH |
| 3 | 22915 | 2 | FUEL TANK CAP (yellow center, non-vented) |
| 4 | 25139 | 8 | NUT, Hex Serrated Flange, 5/16-18 |
| 5 | 25155 | 20 | WASHER, 5/16 |
| 6 | 25011-8 | 8 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 7 | 48527 | 2 | FUEL TANK MOUNT |
| 8 | 25011-6 | 12 | CAPSCREW, Hex Head, 5/16-18 x 3/4 |
| 9 | 25170 | 12 | LOCKWASHER, 5/16 |
| 10 | 47993 | 2 | GUARD, Tank Valve |

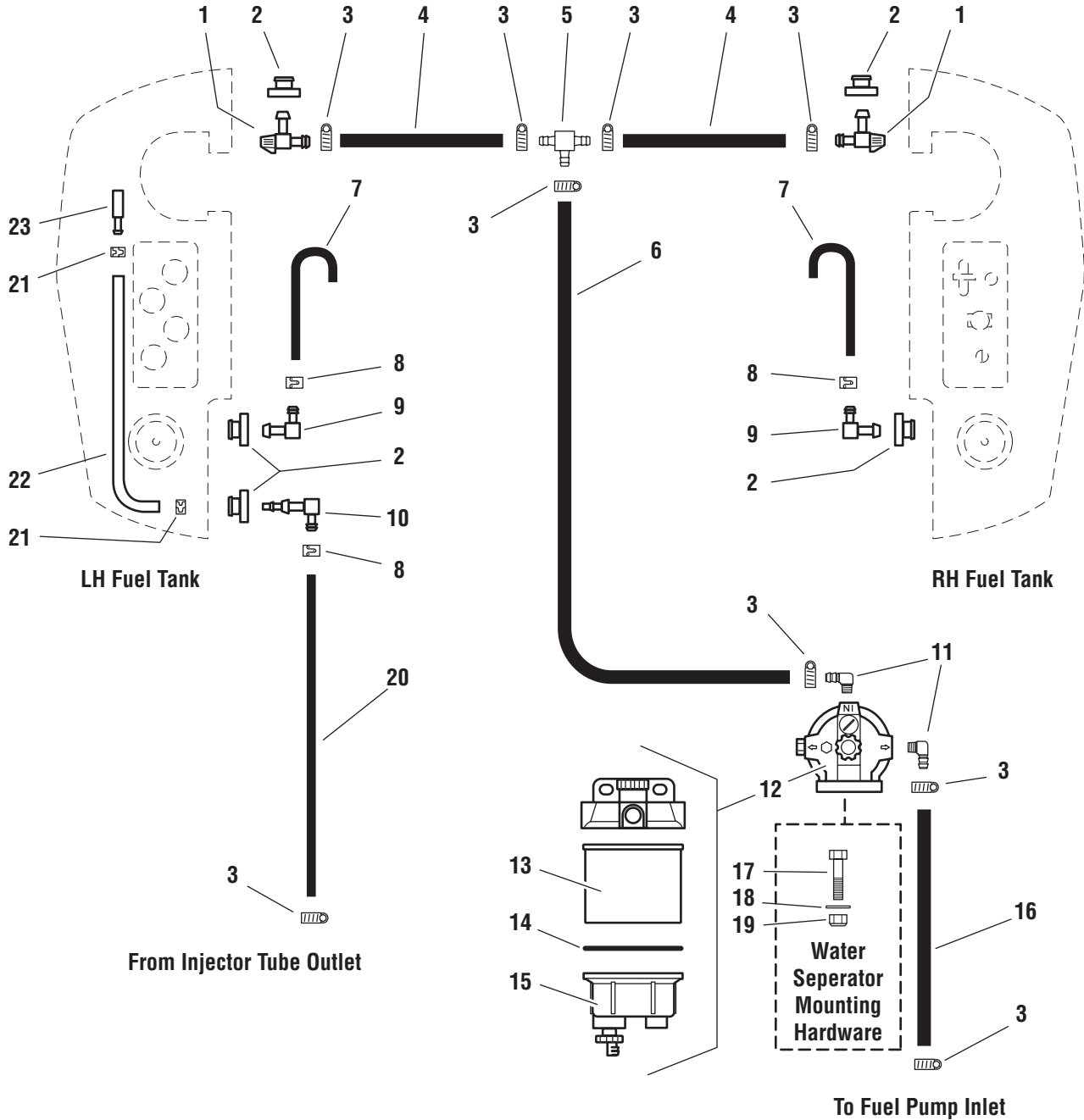
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Fuel Supply Hose & Tank Replacement Parts Group

NOTE: Unless noted otherwise,
use the standard torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Fuel Supply Hose & Tank Replacement Parts Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|--|
| 1 | 23060 | 2 | VALVE, Fuel Shut-Off |
| 2 | 1726400 | 5 | GROMMET |
| 3 | 22922 | 9 | HOSE CLAMP, #4 |
| 4 | 50919-36 | 2 | HOSE, 36" |
| 5 | 22920 | 1 | FITTING, TEE, 3/8" Hose |
| 6 | 50919-34 | 1 | HOSE, 34" |
| 7 | 50831-20 | 2 | HOSE, 20" |
| 8 | 20835 | 3 | HOSE CLAMP |
| 9 | 1674231 | 2 | ELBOW FITTING |
| 10 | 23061 | 1 | ELBOW FITTING |
| 11 | 22708 | 2 | FITTING, 1/4" NPT, 90 Deg. |
| 12 | 22926 | 1 | FILTER/WATER SEPARATOR ASSEMBLY, Complete (includes Ref No. 13-15) |
| 13 | 22926-1 | 1 | FUEL FILTER |
| 14 | 22926-2 | 1 | O-RING SEAL |
| 15 | 22926-3 | 1 | BOWL |
| 16 | 50831-48 | 1 | HOSE, 48" |
| 17 | 25013-12 | 2 | CAPSCREW, Hex Head, 3/8-16 x 1-1/2 |
| 18 | 25156 | 2 | WASHER, 3/8 |
| 19 | 25096 | 2 | NUT, Hex Nylon Lock, 3/8-16 |
| 20 | 50919-63 | 1 | HOSE, 63" |
| 21 | 23069 | 2 | HOSE CLAMP |
| 22 | 50925-26 | 1 | HOSE, 26" |
| 23 | 23068 | 1 | CONNECTOR FITTING |

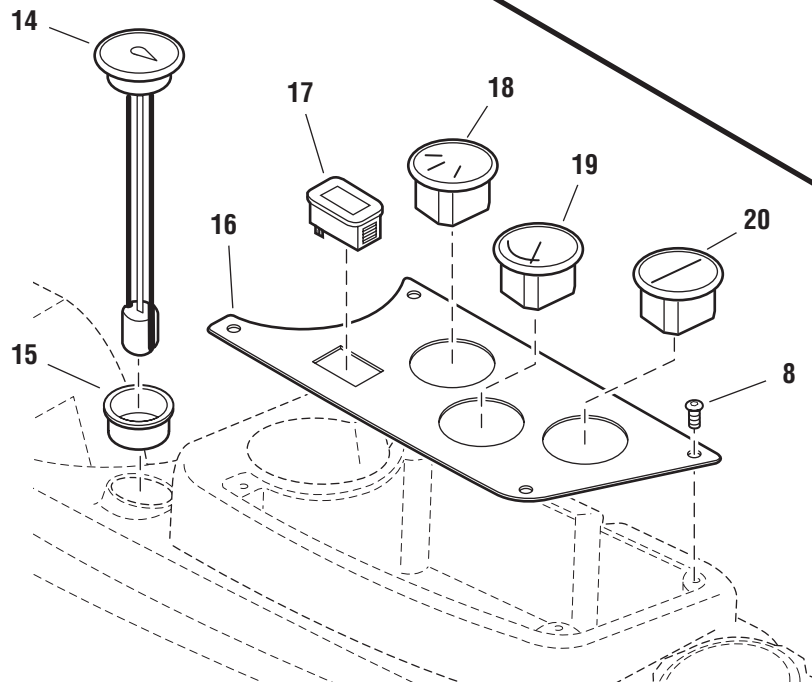
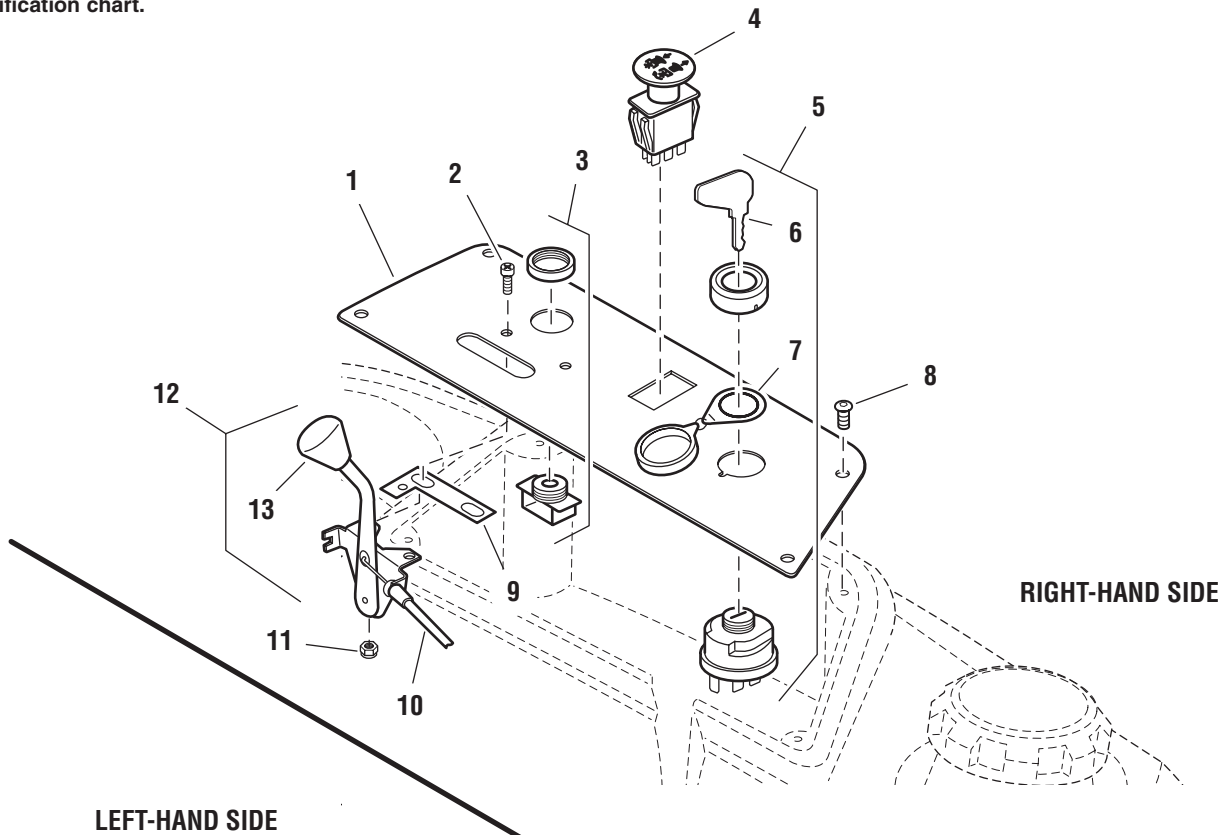
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Instrument & Control Panel Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Instrument & Control Panel Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|--|
| 1 | 2849177 | 1 | CONTROL PANEL - RH |
| 2 | 25179-6 | 2 | SCREW, Phillips, #10-24 x 3/4 |
| 3 | 22883-4 | 1 | INDICATOR, Glow Plug |
| 4 | 22180 | 1 | SWITCH, PTO |
| 5 | 22883-1 | 1 | SWITCH, Ignition, Complete (includes Ref 3 & 4) |
| 6 | 22883-2 | 1 | KEY, Ignition (Set of 2) |
| 7 | 22883-3 | 1 | COVER PLATE |
| 8 | 25299-4 | 8 | SCREW, Allan Head, 1/4-20 x 1/2 |
| 9 | 48475 | 1 | THROTTLE STOP PLATE (Export models only) |
| 10 | 46392 | 1 | CABLE, Throttle Control |
| 11 | 25271 | 2 | NUT, Hex Nylon Lock, #10-24 |
| 12 | 46360 | 1 | HANDLE, Throttle Control, Complete (includes Ref No. 13) |
| 13 | 46360-1 | 1 | KNOB |
| 14 | 22917 | 1 | GAUGE, Fuel Level |
| 15 | 22917-1 | 1 | GROMMET |
| 16 | 2849178 | 1 | CONTROL PANEL - LH |
| 17 | 23244 | 1 | HOURMETER, Digital |
| 18 | 22387 | 1 | GAUGE, Voltmeter |
| 19 | 22483 | 1 | GAUGE, Water Temperature |
| 20 | 46473 | 1 | GAUGE, Warning, Oil/Temp |

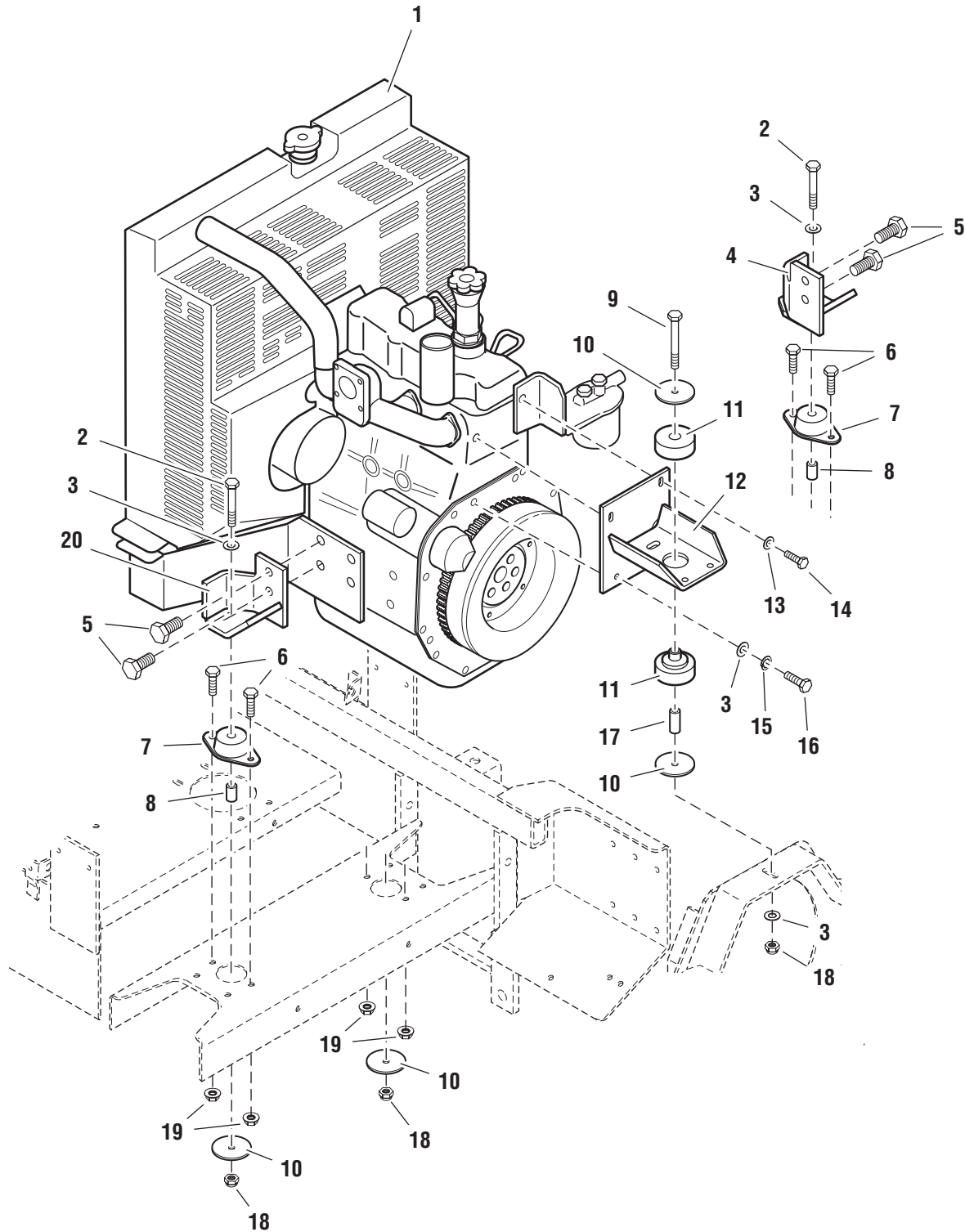
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Engine & Mount Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Engine & Mount Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|------------------------------------|
| 1 | 22883 | 1 | ENGINE, Caterpillar 31.5 HP Diesel |
| 2 | 25013-20 | 2 | CAPSCREW, Hex Head, 3/8-16 x 2-1/2 |
| 3 | 25156 | 5 | WASHER, 3/8 |
| 4 | 47364 | 1 | MOTOR MOUNT - RH |
| 5 | 25357 | 4 | CAPSCREW, Hex Head, M14 x 30MM |
| 6 | 25013-8 | 4 | CAPSCREW, Hex Head, 3/8-16 x 1 |
| 7 | 22896 | 2 | ISO MOUNT, Front |
| 8 | 44959 | 2 | SPACER, .38 x .50 x 1.00 |
| 9 | 25013-24 | 1 | CAPSCREW, Hex Head, 3/8-16 x 3 |
| 10 | 47381 | 4 | WASHER, 3/8 x 2-1/2 |
| 11 | 22897 | 1 | ISO MOUNT, Rear (2 piece) |
| 12 | 47360 | 1 | MOTOR MOUNT - Upper |
| 13 | 25155 | 2 | WASHER, 5/16 |
| 14 | 25249 | 2 | CAPSCREW, Hex Head, M8 x 20MM |
| 15 | 25171 | 2 | LOCKWASHER, 3/8 |
| 16 | 25333 | 2 | CAPSCREW, Hex Head, M10 x 30MM |
| 17 | 47380 | 1 | SPACER, .38 x .62 x 1.62 |
| 18 | 25096 | 3 | NUT, Hex Nylon Lock, 3/8-16 |
| 19 | 25128 | 4 | NUT, Hex Serrated Flange, 3/8-16 |
| 20 | 47365 | 1 | MOTOR MOUNT - LH |

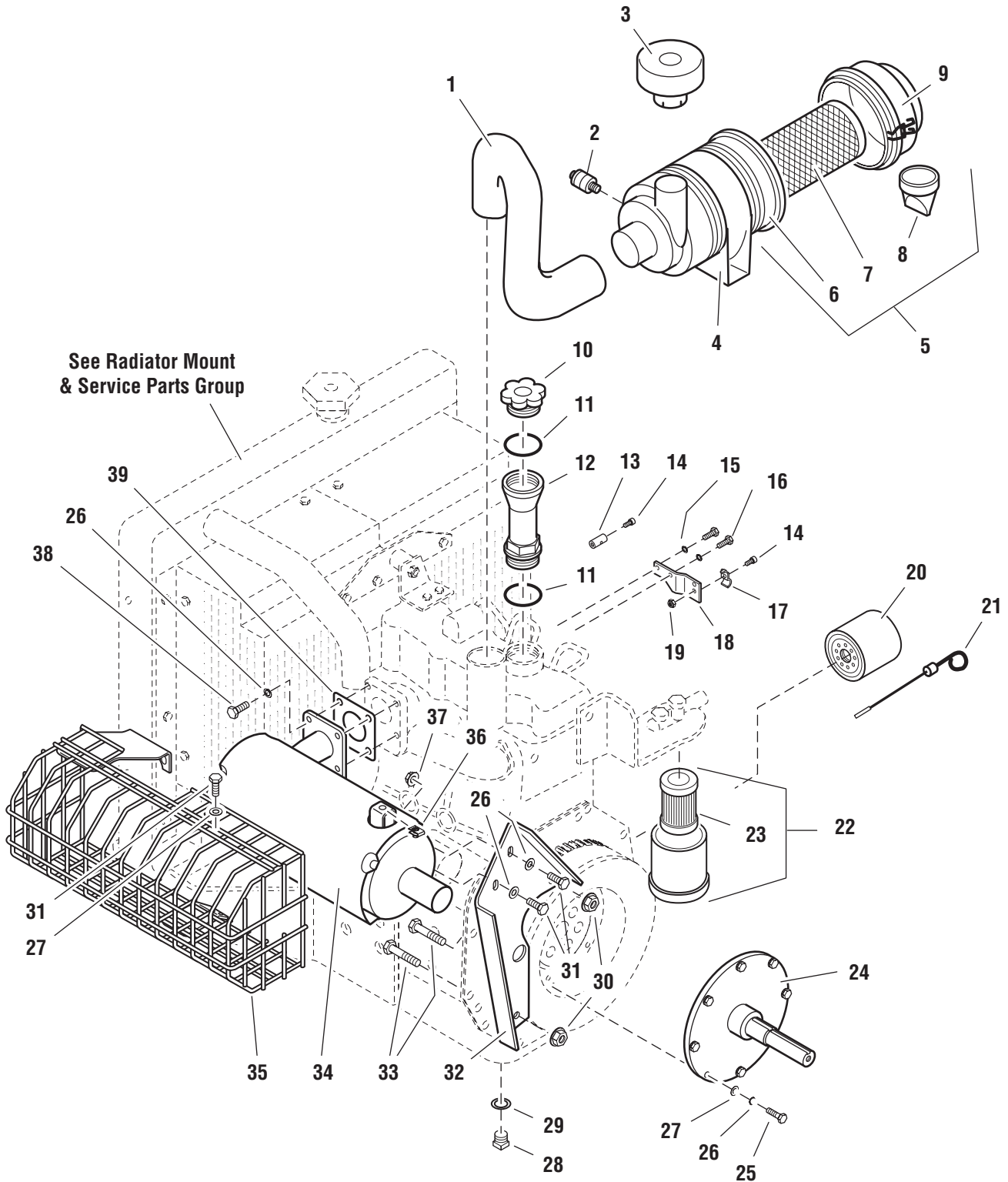
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Engine Accessories & Service Parts Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

Engine Accessories & Service Parts Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---|
| 1 | 22883-33 | 1 | AIR INLET HOSE |
| 2 | 22883-45 | 1 | AIR CLEANER INDICATOR |
| 3 | 22591 | 1 | PRE-CLEANER |
| 4 | 22883-44 | 1 | AIR CLEANER BRACKET |
| 5 | 22883-29 | 1 | AIR CLEANER ASSEMBLY, Complete (includes Ref No. 6 - 9) |
| 6 | 22883-46 | 1 | AIR CLEANER HOUSING ASSEMBLY |
| 7 | 22883-31 | 1 | AIR CLEANER ELEMENT |
| 8 | 22883-32 | 1 | AIR CLEANER DUST VALVE |
| 9 | 22883-30 | 1 | AIR CLEANER COVER |
| 10 | 22883-7 | 1 | OIL FILL CAP |
| 11 | 22883-8 | 2 | OIL FILL O-RING SEAL |
| 12 | 22883-6 | 1 | OIL FILL EXTENSION |
| 13 | 47650 | 1 | BARREL CLAMP |
| 14 | 25179-6 | 2 | SCREW, #10-24 x 3/4 |
| 15 | 25169 | 2 | LOCKWASHER, 1/4 |
| 16 | 25248 | 2 | CAPSCREW, Hex Head, M6 x 10MM |
| 17 | 22901 | 1 | CLAMP |
| 18 | 47392 | 1 | THROTTLE BRACKET |
| 19 | 25271 | 1 | NUT, Hex Nylon Lock, #10-24 |
| 20 | 22883-11 | 1 | OIL FILTER |
| 21 | 22883-20 | 1 | DIPSTICK |
| 22 | 22883-19B | 1 | FUEL FILTER ASSEMBLY, Complete (includes Ref No. 22B) |
| 23 | 22883-19C | 1 | FILTER ELEMENT |
| 24 | 47306 | 1 | STUB SHAFT & FLYWHEEL PLATE ASSEMBLY |
| 25 | 25011-10 | 8 | CAPSCREW, Hex Head, 5/16-18 x 1-1/4 |
| 26 | 25170 | 12 | LOCKWASHER, 5/16 |
| 27 | 25155 | 18 | WASHER, 5/16 |
| 28 | 22883-21 | 1 | OIL PAN PLUG |
| 29 | 22883-22 | 1 | WASHER, Oil Pan Plug |
| 30 | 25128 | 2 | NUT, Hex Serrated Flange, 3/8-16 |
| 31 | 25011-8 | 2 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 32 | 48600 | 1 | MUFFLER SUPPORT |
| 33 | 25013-14 | 2 | CAPSCREW, Hex Head, 3/8-16 x 1-3/4 |
| 34 | 23125 | 1 | MUFFLER |
| 35 | 23126 | 1 | WIRE GUARD (Export models only) |
| 36 | 22308 | 1 | BODY CLIP, 5/16-18 (Export models only) |
| 37 | 25127 | 2 | NUT, Hex Serrated Flange, 5/16-18 |
| 38 | 25237 | 4 | CAPSCREW, Hex Head, M8 x 25MM |
| 39 | 22883-36 | 1 | GASKET, Exhaust Manifold |
| 40 | 22883-9 | 1 | FUEL SOLENOID |

Footnotes:

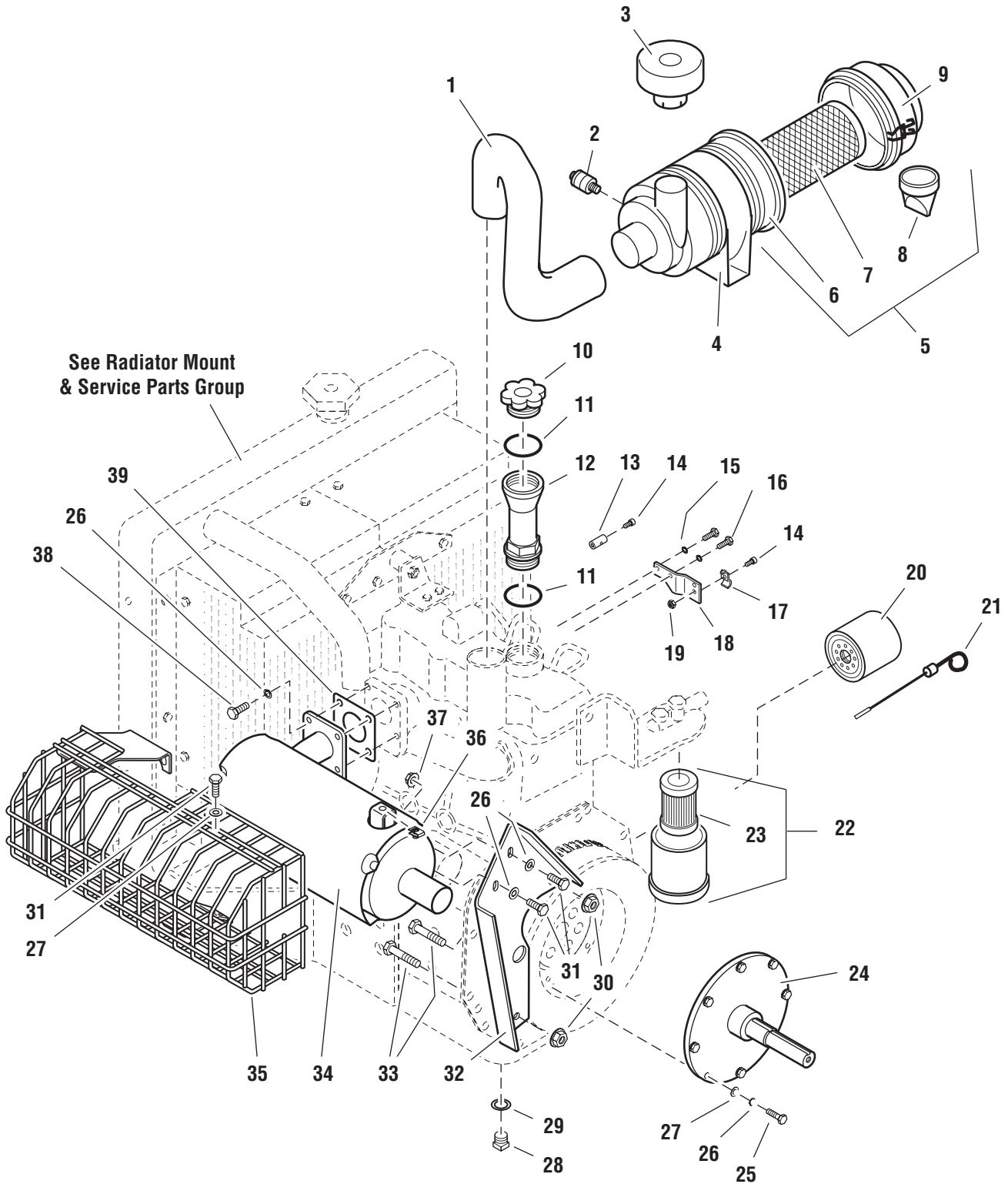
Ref No. 40-63 are not illustrated

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Engine Accessories & Service Parts Group - Con't.

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

Engine Accessories & Service Parts Group - Con't.

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|---------------------------|
| 41 | 22883-10 | 1 | WASHER, Fuel Solenoid |
| 42 | 22883-12 | 1 | WATER PUMP |
| 43 | 22883-14 | 1 | WATER HOSE-UPPER |
| 44 | 22883-15 | 1 | WATER HOSE-LOWER |
| 45 | 22883-16 | 1 | GASKET, Water Pump |
| 46 | 22883-17 | 1 | THERMOSTAT |
| 47 | 22883-18 | 1 | GASKET, Thermostat |
| 48 | 22883-23 | 1 | STARTER MOTOR |
| 49 | 22883-24 | 1 | ALTERNATOR |
| 50 | 22883-25 | 1 | BELT |
| 51 | 22883-26 | 1 | FUEL PUMP |
| 52 | 22883-27 | 1 | GASKET, Fuel Pump |
| 53 | 22883-28 | 3 | GLOW PLUG |
| 54 | 22883-38 | 1 | RADIATOR |
| 55 | 22883-39 | 1 | SWITCH, Oil Pressure |
| 56 | 22883-40 | 1 | SWITCH, Water Temperature |
| 57 | 22883-41 | 1 | STARTER SOLENOID |
| 58 | 22883-42 | 1 | SEAL, Rear Main |
| 59 | 22883-43 | 1 | SEAL, Front Main |
| 60 | 22883-47 | 3 | INJECTOR ASSEMBLY |
| 61 | 22883-48 | 3 | WASHER, 4-HOLE |
| 62 | 22883-49 | 3 | WASHER, SEALING |
| 63 | 22883-50 | 3 | WASHER, CRUSH |

Footnotes:

Ref No. 40-63 are not illustrated

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Radiator Mount & Service Parts Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|--|
| 1 | 23129 | 1 | SCREEN |
| 2 | 23150 | 1 | PRESSURE CAP |
| 3 | 23127 | 1 | RADIATOR |
| 4 | 48534 | 1 | SCREEN BRACKET-RH |
| 5 | 23128 | 1 | FAN SHROUD |
| 6 | 23158 | 20 | CAPSCREW, Hex Flange Head, 5/16-18 x 1/2 |
| 7 | 23134 | 1 | FINGER GUARD-RH |
| 8 | 25057 | 4 | NUT, Hex Nylon Lock, 5/16-18 |
| 9 | 25155 | 7 | WASHER, 5/16 |
| 10 | 48578 | 1 | RADIATOR MOUNT PLATE |
| 11 | 25249 | 2 | CAPSCREW, M8-1.25 x 20MM |
| 12 | 25170 | 3 | LOCKWASHER, 5/16 |
| 13 | 25337 | 2 | WASHER, USS, 5/16 |
| 14 | 25011-6 | 1 | CAPSCREW, Hex Head, 5/16-18 x 3/4 |
| 15 | 48579 | 1 | RADIATOR MOUNT BRACKET |
| 16 | 23130 | 1 | ISO-MOUNT, Top |
| 17 | 23135 | 1 | FINGER GUARD-LH |
| 18 | 23131 | 2 | ISO-MOUNT, Bottom (2 piece) |
| 19 | 25305 | 2 | WASHER, 3/8 x 1-3/4 |
| 20 | 25096 | 2 | NUT, Hex Nylon Lock, 3/8-16 |
| 21 | 48503 | 1 | RADIATOR MOUNT |
| 22 | 25281 | 8 | WASHER, 5/8 |
| 23 | 25383 | 4 | CAPSCREW, Hex Head, M14 x 25MM |
| 24 | 25382 | 4 | CAPSCREW, Hex Head, M14 x 35MM |
| 25 | 22308 | 2 | BODY CLIP, 5/16-18 |
| 26 | 48565 | 1 | RETAINING PLATE |
| 27 | 48563 | 1 | LOWER SEAL |
| 28 | 48564 | 1 | RETAINING PLATE, Outer |
| 29 | 25011-8 | 5 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 30 | 23151 | 1 | PETCOCK VALVE |
| 31 | 48533 | 1 | SCREEN BRACKET-LH |
| 32 | 61419 | 1 | OVERFLOW HOSE |

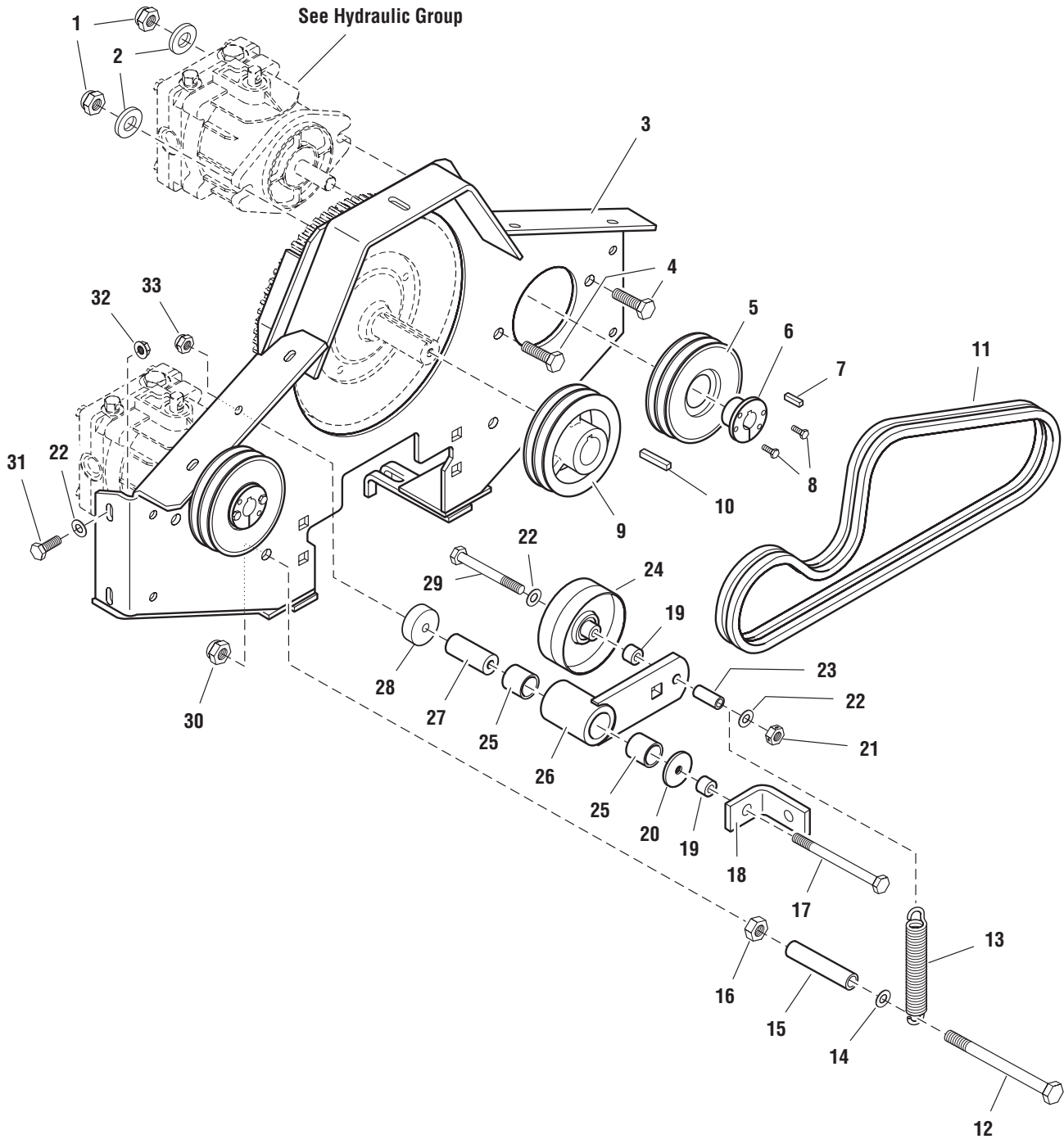
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Pump Mount & Drive Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Pump Mount & Drive Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|------------------------------------|
| 1 | 25098 | 4 | NUT, Hex Nylon Lock, 1/2-20 |
| 2 | 44913-009 | 4 | WASHER, Retaining |
| 3 | 47361 | 1 | PUMP MOUNT PLATE |
| 4 | 25018-14 | 4 | CAPSCREW, Hex Head, 1/2-20 x 1-3/4 |
| 5 | 22382 | 2 | PULLEY, Pump Drive |
| 6 | 22383 | 2 | HUB, Taper Lock |
| 7 | 22156 | 2 | KEY, 5mm Sq. x 25mm |
| 8 | 25010-8 | 4 | CAPSCREW, Hex Head, 1/4-20 x 1 |
| 9 | 22899 | 1 | PULLEY, Pump Drive |
| 10 | 50404-4 | 1 | KEY, 5/16 Sq. x 1-1/4 |
| 11 | 22314 | 1 | BELT, Pump Drive (set of 2) |
| 12 | 25017-40 | 1 | CAPSCREW, Hex Head, 1/2-13 x 5 |
| 13 | 22847 | 1 | SPRING, Extension, Swivel End |
| 14 | 25158 | 1 | WASHER, 1/2 |
| 15 | 50857-3.25 | 1 | HOSE, 3-1/4 |
| 16 | 25301 | 1 | NUT, Hex, Jam, 1/2-13 |
| 17 | 25013-36 | 1 | CAPSCREW, Hex Head, 3/8-16 x 4-1/2 |
| 18 | 42142 | 1 | SPRING ANCHOR BRACKET |
| 19 | 44933 | 2 | SPACER, .39 x .75 x .38 |
| 20 | 25305 | 1 | WASHER, 3/8 x 1-3/4 |
| 21 | 25100 | 1 | NUT, Hex, Side Lock, 3/8-16 |
| 22 | 25156 | 8 | WASHER, 3/8 |
| 23 | 47199 | 1 | SPACER, .38 x .50 x .75 |
| 24 | 22373 | 1 | PULLEY, Idler, Flat |
| 25 | 22157 | 2 | BUSHING, Brass |
| 26 | 46574 | 1 | PUMP DRIVE IDLER ARM |
| 27 | 45135 | 1 | SHAFT, Idler Pivot |
| 28 | 45475 | 1 | SPACER, .45 x 1.88 x .38 |
| 29 | 25013-24 | 1 | CAPSCREW, Hex Head, 3/8-16 x 3 |
| 30 | 25056 | 1 | NUT, Hex Nylon Lock, 1/2-13 |
| 31 | 25013-8 | 6 | CAPSCREW, Hex Head, 3/8-16 x 1 |
| 32 | 25128 | 6 | NUT, Hex Serrated Flange, 3/8-16 |
| 33 | 25096 | 1 | NUT, Hex Nylon Lock, 3/8-16 |

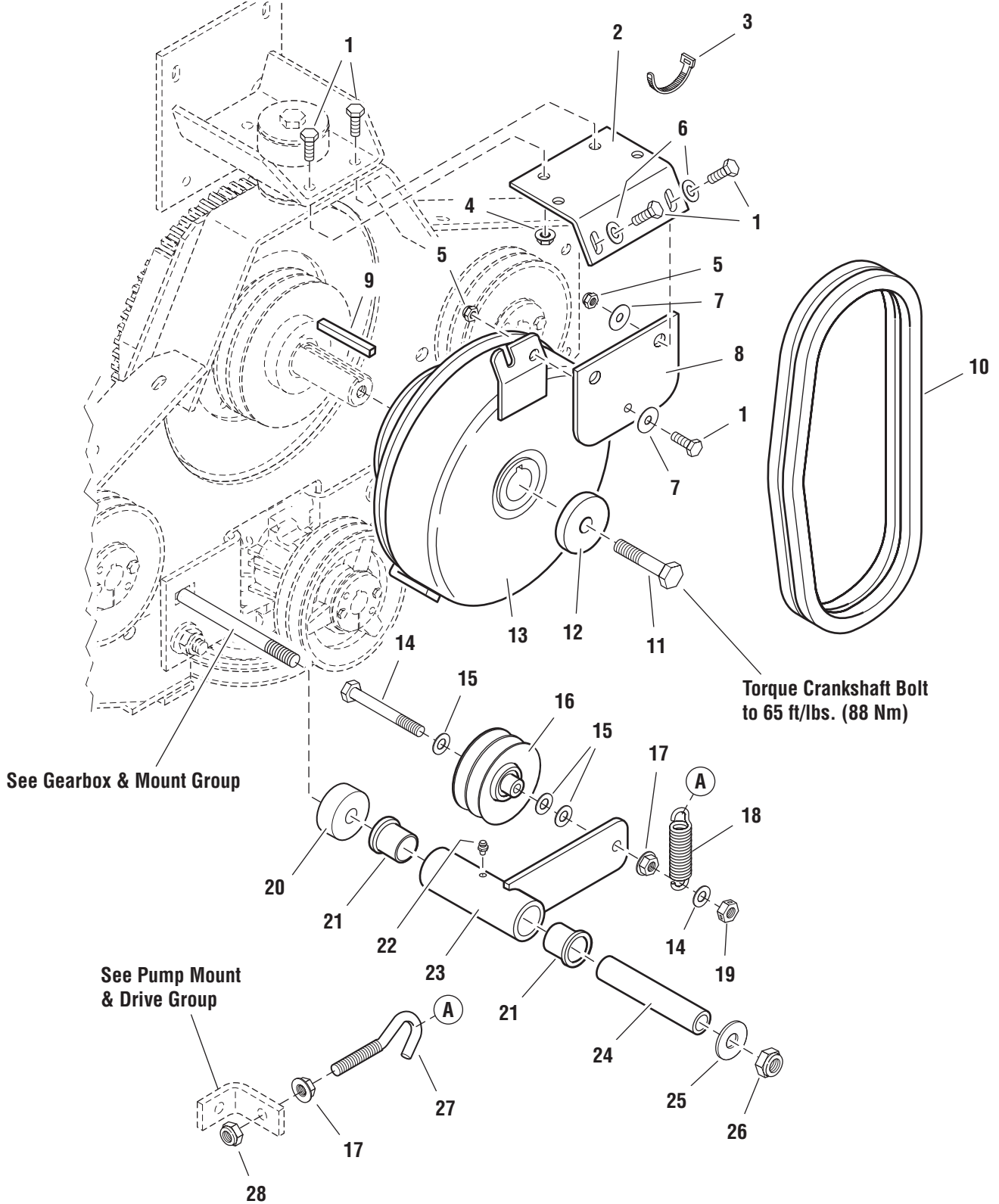
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

PTO Clutch & Anchor Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

PTO Clutch & Anchor Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|-----------------------------------|
| 1 | 25011-8 | 5 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 2 | 47563 | 1 | CLUTCH ANCHOR |
| 3 | 21030 | 1 | TIE WRAP |
| 4 | 25127 | 2 | NUT, Hex Serrated Flange, 5/16-18 |
| 5 | 25045 | 3 | NUT, Hex Nylon Lock, 5/16-18 |
| 6 | 25155 | 2 | WASHER, 5/16 |
| 7 | 44617-009 | 3 | WASHER, Clutch Anchor |
| 8 | 43636 | 1 | CLUTCH ANCHOR PAD |
| 9 | 50407-2 | 1 | KEY, 1/4 Sq. x 3 (diesel only) |
| 10 | 22575 | 1 | BELT, Clutch Drive (set of 2) |
| 11 | 45473 | 1 | CRANKSHAFT BOLT, 7/16 x 1-1/2 |
| 12 | 45475 | 1 | SPACER, .45 x 1.88 x .38 |
| 13 | 22884 | 1 | PTO CLUTCH |
| 14 | 25013-24 | 1 | CAPSCREW, Hex Head, 3/8-16 x 3 |
| 15 | 25156 | 4 | WASHER, 3/8 |
| 16 | 22797 | 1 | PULLEY, Idler |
| 17 | 25128 | 2 | NUT, Hex Serrated Flange, 3/8-16 |
| 18 | 1608395 | 1 | SPRING, Extension |
| 19 | 25100 | 1 | NUT, Hex, Side Lock, 3/8-16 |
| 20 | 46916 | 1 | SPACER, .51 x 1.75 x .75 |
| 21 | 22250 | 2 | BUSHING, Flange |
| 22 | 20095 | 1 | GREASE FITTING |
| 23 | 46565 | 1 | CLUTCH DRIVE IDLER ARM |
| 24 | 45305 | 1 | PIVOT SLEEVE |
| 25 | 25158 | 1 | WASHER, 1/2 |
| 26 | 25056 | 1 | NUT, Hex Nylon Lock, 1/2-13 |
| 27 | 25321 | 1 | SCREW HOOK, 3/8-16 x 4-1/4 |
| 28 | 25096 | 1 | NUT, Hex Nylon Lock, 3/8-16 |

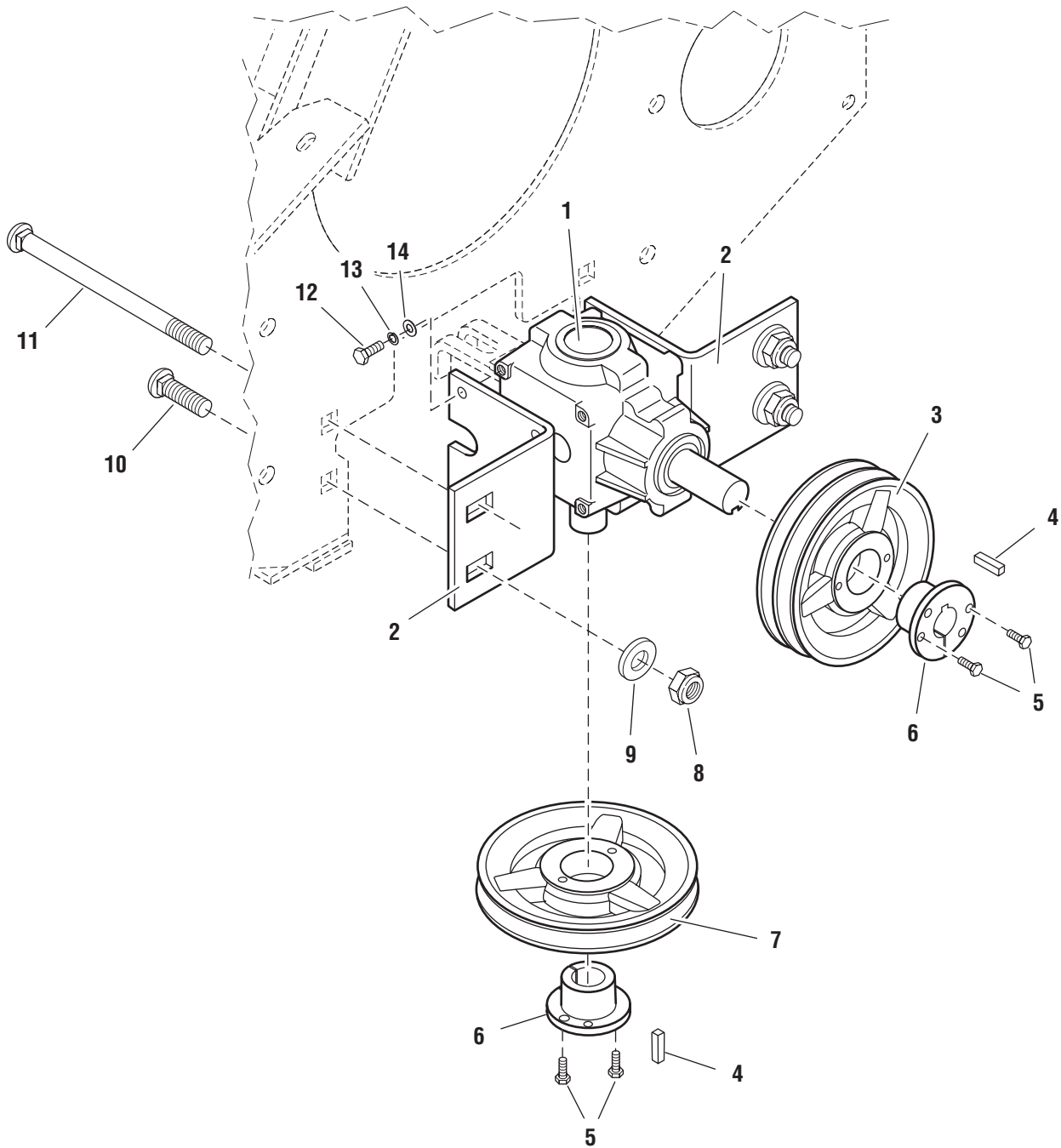
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Gearbox & Mount Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Gearbox & Mount Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---------------------------------|
| 1 | 22378 | 1 | GEARBOX |
| 2 | 46349 | 2 | GEARBOX MOUNT BRACKET |
| 3 | 22908 | 1 | PULLEY, Gearbox Input |
| 4 | 50407-1 | 2 | KEY, 1/4 Sq. x 1 |
| 5 | 25010-8 | 4 | CAPSCREW, Hex Head, 1/4-20 x 1 |
| 6 | 20819 | 2 | HUB, Taper Lock |
| 7 | 22794 | 1 | PULLEY, Spindle |
| 8 | 25038 | 3 | NUT, Hex Nylon Lock, 1/2-13 |
| 9 | 44913-009 | 3 | WASHER, Retaining |
| 10 | 25324-16 | 3 | CARRIAGE BOLT, 1/2-13 x 2 |
| 11 | 25334 | 1 | CARRIAGE BOLT, 1/2-13 x 7 |
| 12 | 25011-8 | 8 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 13 | 25170 | 8 | LOCKWASHER, 5/16 |
| 14 | 25155 | 8 | WASHER, 5/16 |

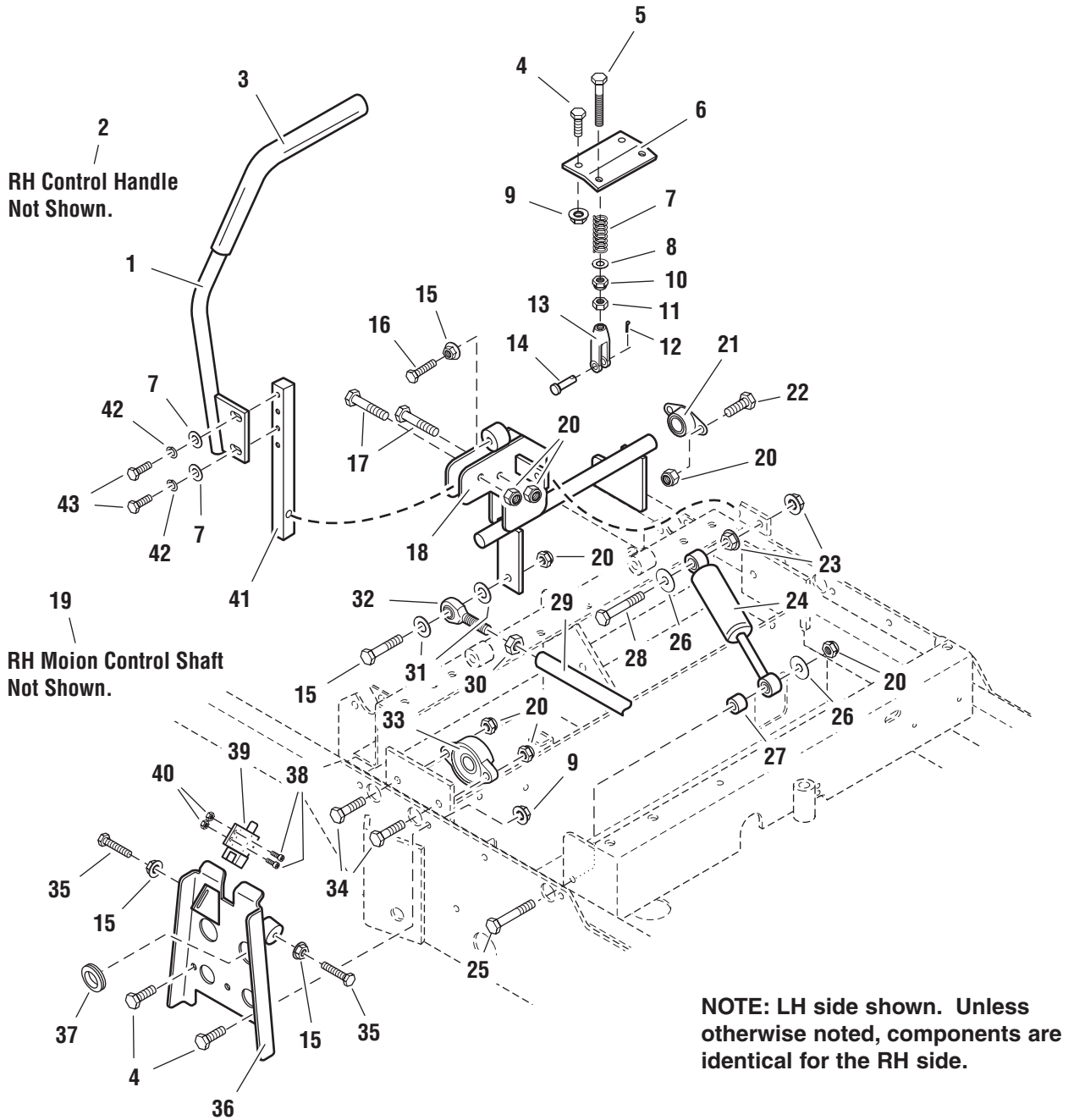
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Motion Control Group - Upper

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
 IS5000Z/C31DCE
 IS5000ZC31D61CE

Motion Control Group - Upper

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---|
| 1 | 47410 | 1 | CONTROL HANDLE - LH |
| 2 | 47411 | 1 | CONTROL HANDLE - RH (not shown) |
| 3 | 22068 | 2 | FOAM GRIP |
| 4 | 25011-6 | 6 | CAPSCREW, Hex Head, 5/16-18 x 3/4 |
| 5 | 47137 | 2 | REVERSE RETURN BOLT |
| 6 | 47401 | 1 | NEUTRAL RETURN PLATE |
| 7 | 22645 | 2 | SPRING, Reverse Return |
| 8 | 25155 | 6 | WASHER, 5/16 |
| 9 | 25139 | 6 | NUT, Hex Serrated Flange, 5/16-18 |
| 10 | 25045 | 2 | NUT, Hex Nylon Lock, 5/16-24 |
| 11 | 25033 | 2 | NUT, Hex, 5/16-24 |
| 12 | 25211 | 2 | HAIRPIN CLIP |
| 13 | 20979 | 2 | CLEVIS, 5/16-24 |
| 14 | 25213-8 | 2 | PIN, Clevis, 5/16 x 1 |
| 15 | 25127 | 6 | NUT, Hex Serrated Flange, 5/16-18 |
| 16 | 25055-10 | 2 | CAPSCREW, Hex Head, 5/16-18 x 1-1/4 TFL |
| 17 | 25013-14 | 6 | CAPSCREW, Hex Head, 3/8-16 x 1-3/4 |
| 18 | 47375 | 1 | MOTION CONTROL SHAFT - LH |
| 19 | 47374 | 1 | MOTION CONTROL SHAFT - RH (not shown) |
| 20 | 25096 | 14 | NUT, Hex Nylon Lock, 3/8-16 |
| 21 | 21098 | 2 | BEARING, Flange |
| 22 | 25013-8 | 2 | CAPSCREW, Hex Head, 3/8-16 x 1 |
| 23 | 25128 | 4 | NUT, Hex Serrated Flange, 3/8-16 |
| 24 | 22912 | 2 | CONTROL DAMPENER |
| 25 | 25013-20 | 2 | CAPSCREW, Hex Head, 3/8-16 x 2-1/2 |
| 26 | 25165 | 4 | WASHER, Fender, 3/8 |
| 27 | 47408 | 2 | SPACER, .39 x .75 x .50 |
| 28 | 25013-18 | 2 | CAPSCREW, Hex Head, 3/8-16 x 2-1/4 |
| 29 | 46393 | 2 | CONTROL ROD |
| 30 | 25035 | 2 | NUT, Hex, 3/8-24 |
| 31 | 25156 | 4 | WASHER, 3/8 |
| 32 | 21124 | 2 | BALL JOINT, 3/8-24 |
| 33 | 21499 | 2 | BEARING, Flange |
| 34 | 25013-10 | 4 | CAPSCREW, Hex Head, 3/8-16 x 1-1/4 |
| 35 | 25055-16 | 4 | CAPSCREW, Hex Head, 5/16-18 x 2 TFL |
| 36 | 48531 | 2 | NEUTRAL LOCK PLATE |
| 37 | 21379 | 2 | GROMMET |
| 38 | 25270 | 4 | SCREW, Phillips, #10-24 x 1 |
| 39 | 22438 | 2 | SWITCH, NO/NO |
| 40 | 25029 | 4 | NUT, Hex, #10-24 |
| 41 | 47004 | 2 | CONTROL LEVER BASE |
| 42 | 25170 | 4 | LOCKWASHER, 5/16 |
| 43 | 25011-6 | 4 | CAPSCREW, Hex Head, 5/16-18 x 1 |

Footnotes:

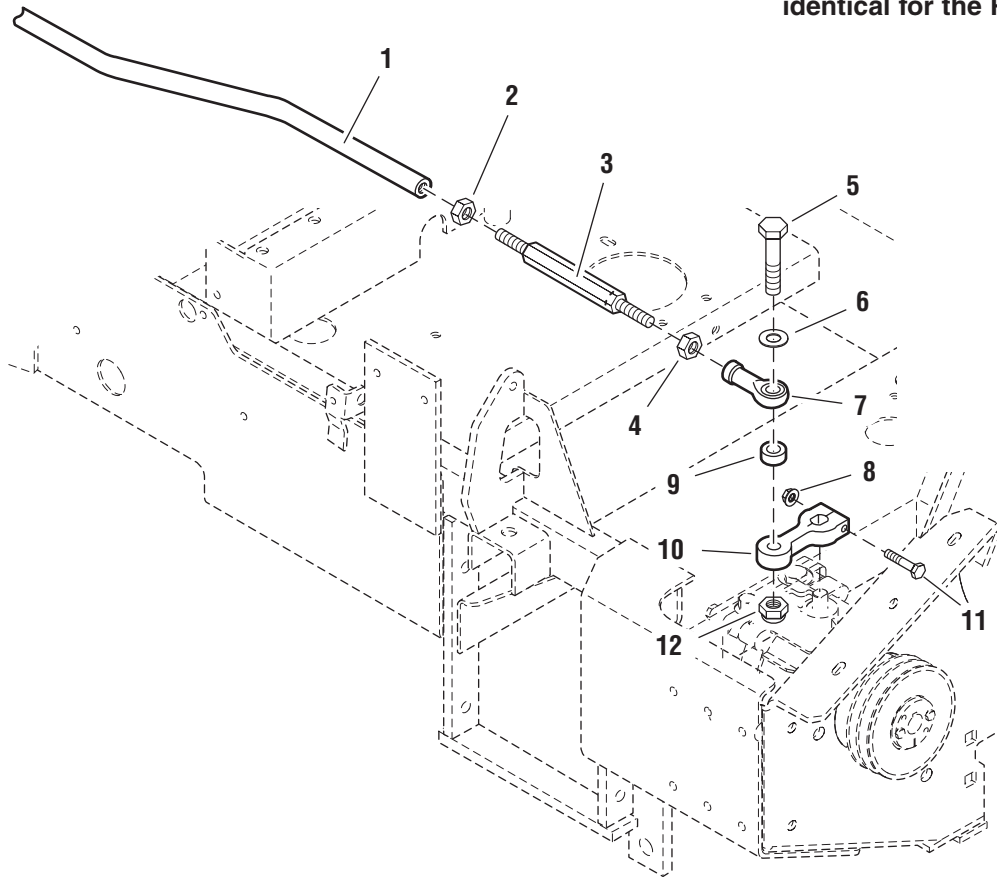
The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Motion Control Group - Lower

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.

NOTE: LH side shown. Unless
otherwise noted, components are
identical for the RH side.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Motion Control Group - Lower

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|------------------------------------|
| 1 | 46393 | 2 | CONTROL ROD |
| 2 | 25035 | 2 | NUT, Hex, 3/8-24 |
| 3 | 47589 | 2 | LINK, Neutral Adjust |
| 4 | 25317 | 2 | NUT, Hex, 3/8-24 LH |
| 5 | 25013-16 | 2 | CAPSCREW, Hex Head, 3/8-16 x 2 |
| 6 | 25156 | 2 | WASHER, 3/8 |
| 7 | 22392 | 2 | BALL JOINT, 3/8-24 LH, Female |
| 8 | 25126 | 2 | NUT, Hex Serrated Flange, 1/4-20 |
| 9 | 44933 | 2 | SPACER, .39 x .75 x .38 |
| 10 | 45863 | 2 | CONTROL ARM |
| 11 | 25010-14 | 2 | CAPSCREW, Hex Head, 1/4-20 x 1-3/4 |
| 12 | 25096 | 2 | NUT, Hex Nylon Lock, 3/8-16 |

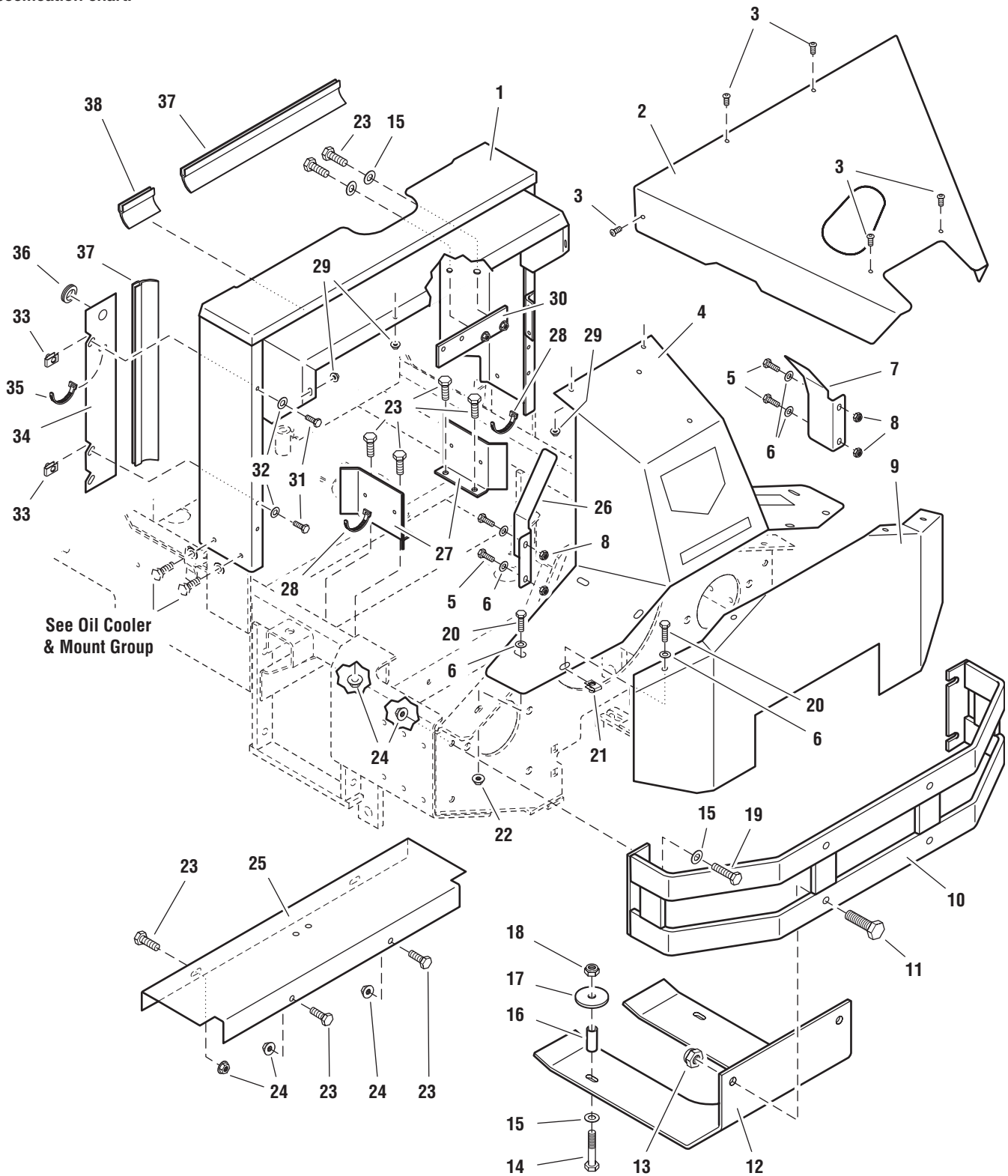
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Hood, Bumper & Shield Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Hood, Bumper & Shield Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|--|
| 1 | 61433 | 1 | RADIATOR SHROUD |
| 2 | 47555 | 1 | HOOD |
| 3 | 25299-6 | 6 | SCREW, Allen Head, 1/4-20 x 3/4 |
| 4 | 47552 | 1 | REAR HOOD SUPPORT |
| 5 | 25011-6 | 4 | CAPSCREW, Hex Head, 5/16-18 x 3/4 |
| 6 | 25155 | 12 | WASHER, 5/16 |
| 7 | 48348 | 1 | FLYWHEEL GUARD-RH (Export models only) |
| 8 | 25057 | 4 | NUT, Hex Nylon Lock, 5/16-18 |
| 9 | 45784 | 1 | REAR SHIELD |
| 10 | 47578 | 1 | BUMPER |
| 11 | 25018-12 | 2 | CAPSCREW, Hex Head, 1/2-20 x 1-1/2 |
| 12 | 47581 | 1 | SKID SHIELD |
| 13 | 25098 | 2 | NUT, Hex Nylon Lock, 1/2-20 |
| 14 | 25013-20 | 2 | CAPSCREW, Hex Head, 3/8-16 x 2-1/2 |
| 15 | 25156 | 8 | WASHER, 3/8 |
| 16 | 44992 | 2 | SPACER, .38 x .50 x 1.56 |
| 17 | 25305 | 2 | WASHER, 3/8 x 1-3/4 |
| 18 | 25196 | 2 | NUT, Hex Nylon Lock, 3/8-16 |
| 19 | 25013-10 | 4 | CAPSCREW, Hex Head, 3/8-16 x 1-1/4 |
| 20 | 25011-8 | 8 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 21 | 22308 | 4 | BODY CLIP, 5/16-18 |
| 22 | 25127 | 4 | NUT, Hex Serrated Flange, 5/16-18 |
| 23 | 25013-8 | 10 | CAPSCREW, Hex Head, 3/8-16 x 1 |
| 24 | 25128 | 12 | NUT, Hex Serrated Flange, 3/8-16 |
| 25 | 47545 | 1 | DEBRIS SHIELD |
| 26 | 48349 | 1 | FLYWHEEL GUARD-LH (Export models only) |
| 27 | 47587 | 2 | SUPPORT PLATE |
| 28 | 21029 | 2 | TIE WRAP |
| 29 | 25391 | 6 | NUT, Hex Nylock Flange, 1/4-20 |
| 30 | 48627 | 1 | MOUNT, Water Separator |
| 31 | 25010-6 | 4 | CAPSCREW, Hex Head, 1/4-20 x 3/4 |
| 32 | 25154 | 4 | WASHER, 1/4 |
| 33 | 22665 | 4 | BODY CLIP, 1/4-20 |
| 34 | 48557 | 2 | SIDE BAFFLE |
| 35 | 21030 | 2 | TIE WRAP |
| 36 | 21077 | 2 | GROMMET |
| 37 | 50926-17 | 3 | WIPER SEAL, 17" |
| 38 | 50926-3 | 1 | WIPER SEAL, 3" |

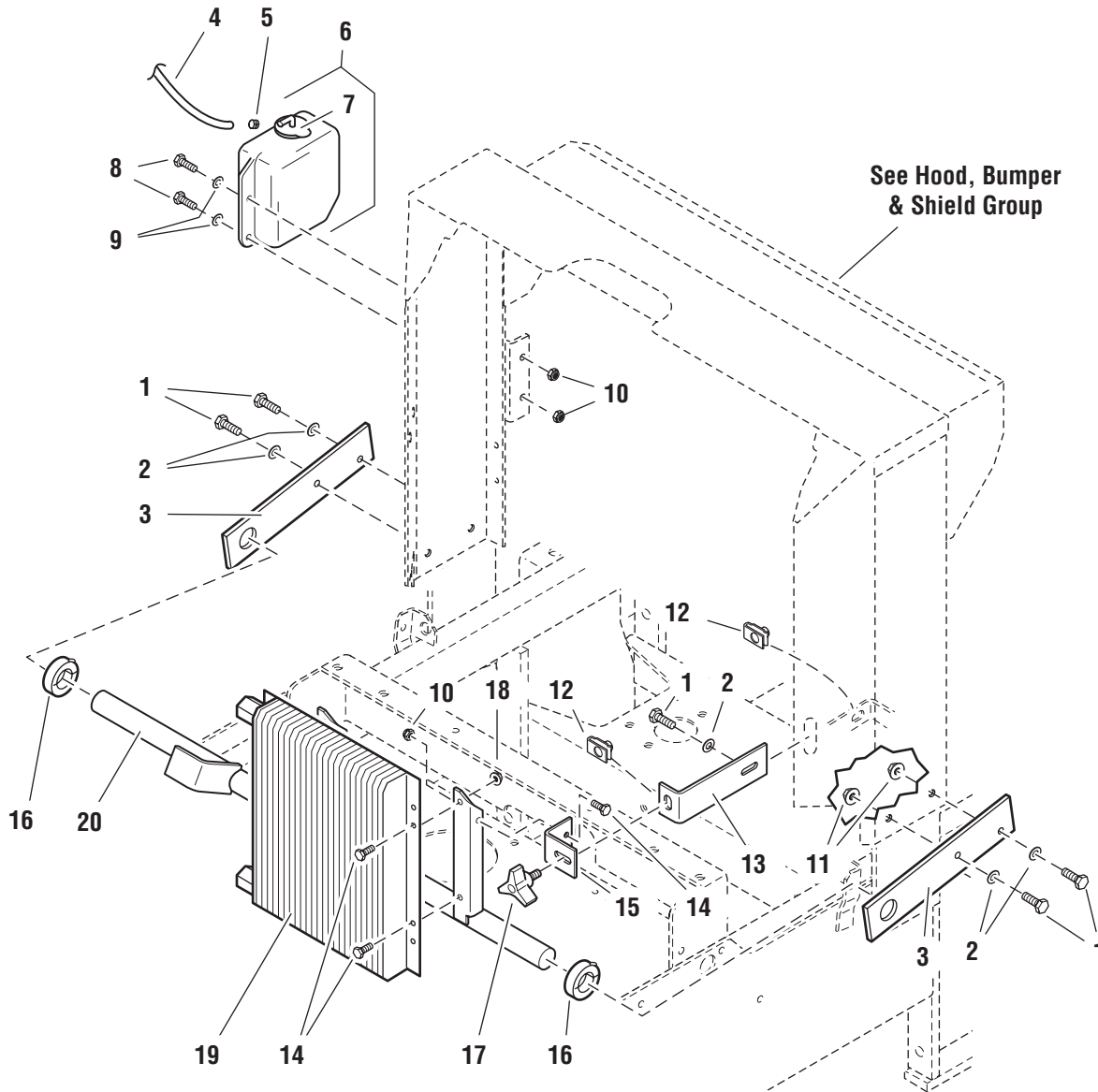
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Oil Cooler, Mount & Radiator Expansion Tank Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Oil Cooler, Mount & Radiator Expansion Tank Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---|
| 1 | 25011-8 | 5 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 2 | 25156 | 5 | WASHER, 3/8 |
| 3 | 48577 | 2 | OIL COOLER PIVOT PLATE |
| 4 | 48582 | 1 | OVERFLOW HOSE |
| 5 | 20835 | 1 | HOSE CLAMP |
| 6 | 22883-34 | 1 | EXPANSION TANK, Complete (includes Ref No. 7) |
| 7 | 22883-35 | 1 | CAP |
| 8 | 25010-8 | 2 | CAPSCREW, Hex Head, 1/4-20 x 1 |
| 9 | 25154 | 2 | WASHER, 1/4 |
| 10 | 25095 | 3 | NUT, Hex Nylon Lock, 1/4-20 |
| 11 | 25139 | 4 | NUT, Hex Serrated Flange, 5/16-18 |
| 12 | 22308 | 2 | BODY CLIP, 5/16-18 |
| 13 | 48580 | 1 | COOLER PIVOT ANCHOR |
| 14 | 25299-4 | 5 | SCREW, Allen Head, 1/4-20 x 1/2 |
| 15 | 48581 | 1 | COOLER LOCK BRACKET |
| 16 | 20602 | 2 | COLLAR, Split, 1" |
| 17 | 22319 | 1 | KNOB |
| 18 | 25156 | 4 | NUT, Hex Serrated Flange, 1/4-20 |
| 19 | 22377 | 1 | OIL COOLER |
| 20 | 48562 | 1 | OIL COOLER MOUNT |

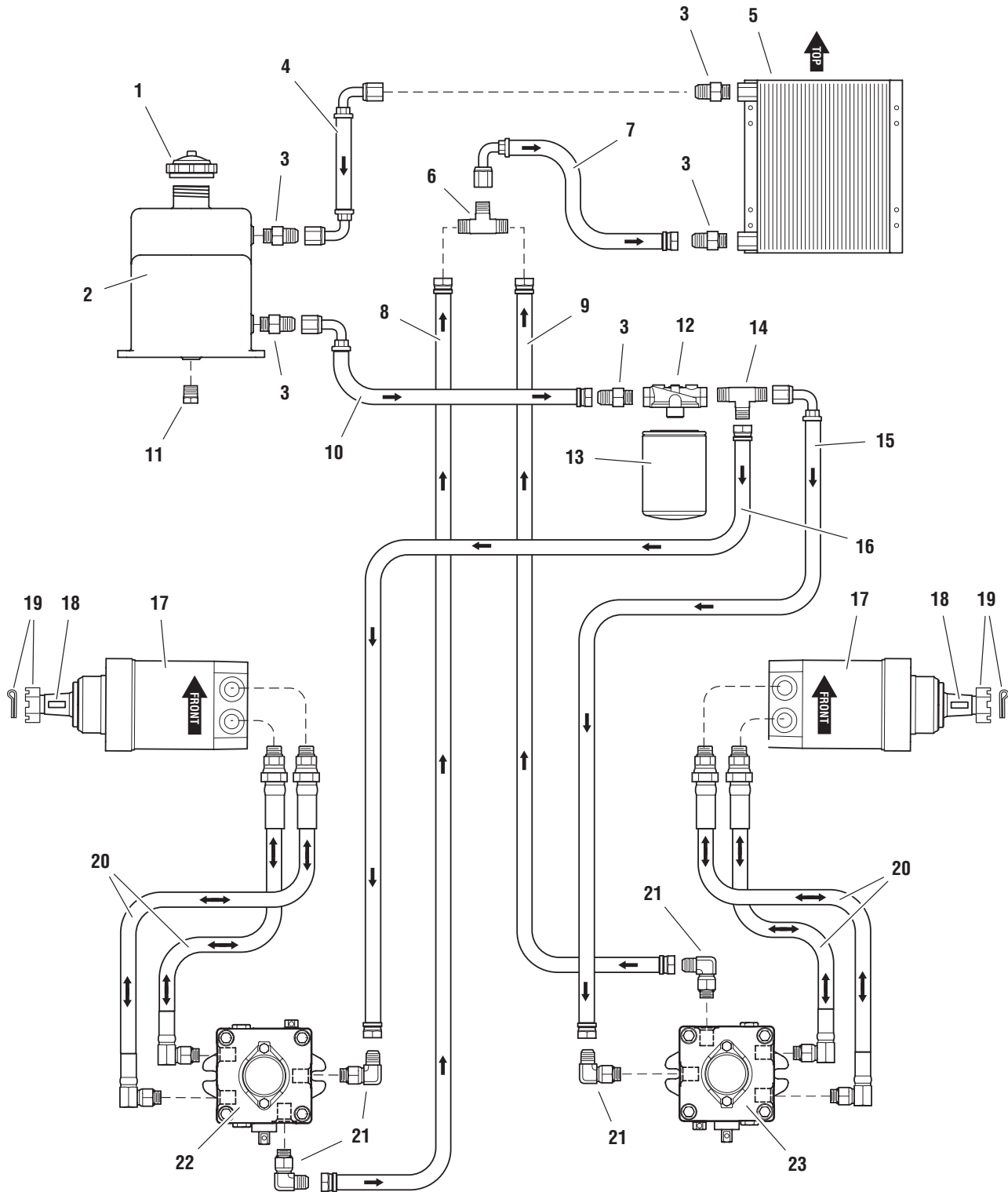
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Hydraulic Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

Hydraulic Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|--|
| 1 | 22437 | 1 | CAP, Reservoir |
| 2 | 45872 | 1 | HYDRAULIC OIL RESERVOIR |
| 3 | 22601 | 4 | FITTING, NPT - JIC #8 |
| 4 | 48573 | 1 | HOSE ASSEMBLY (24") |
| 5 | 22377 | 1 | OIL COOLER |
| 6 | 22604 | 1 | FITTING, TEE, JIC #8 |
| 7 | 48574 | 1 | HOSE ASSEMBLY (13-1/2") |
| 8 | 48576 | 1 | HOSE ASSEMBLY (25") |
| 9 | 48575 | 1 | HOSE ASSEMBLY (29") |
| 10 | 47612 | 1 | HOSE ASSEMBLY (9") |
| 11 | 20986 | 1 | PLUG, 1/2 NPT |
| 12 | 21356 | 1 | FILTER HEAD |
| 13 | 21357 | 1 | FILTER |
| 14 | 22602 | 1 | FITTING, TEE, JIC #8, NPT |
| 15 | 47611 | 1 | HOSE ASSEMBLY (24") |
| 16 | 47610 | 1 | HOSE ASSEMBLY (40") |
| 17 | 22368 | 2 | HYDRAULIC WHEEL MOTOR, Complete (includes Ref 18 & 19) |
| 18 | 22042-2 | 2 | KEY |
| 19 | 22042-3 | 2 | NUT & COTTER PIN |
| 20 | 22914 | 4 | HYDRAULIC HOSE ASSEMBLY |
| 21 | 22599 | 4 | HYDRAULIC FITTING, O-Ring, 90 Deg. |
| 22 | 22375 | 1 | HYDRAULIC PUMP - LH |
| 23 | 22376 | 1 | HYDRAULIC PUMP - RH |

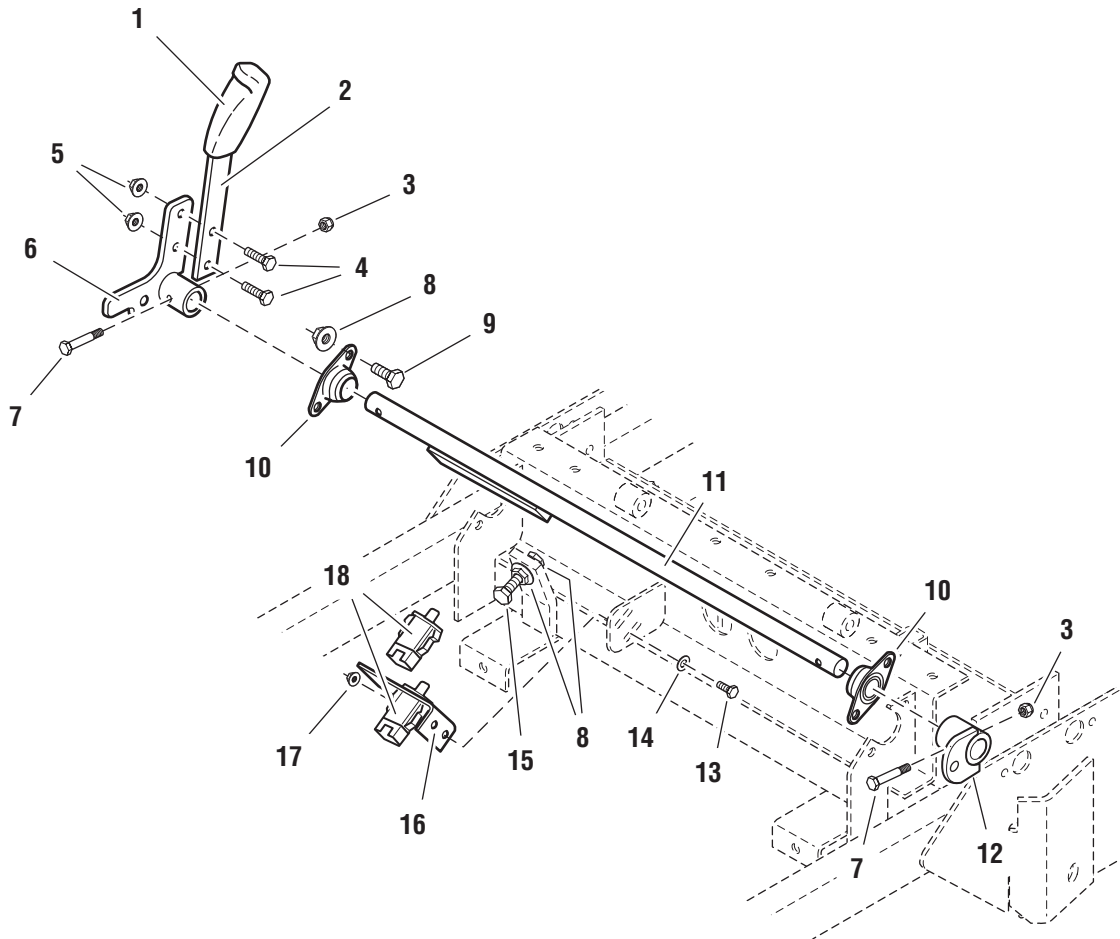
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Parking Brake Group - Upper

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Parking Brake Group - Upper

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|--|
| 1 | 1722302 | 1 | GRIP |
| 2 | 45619 | 1 | BRAKE HANDLE |
| 3 | 25095 | 2 | NUT, Hex Nylon Lock, 1/4-20 |
| 4 | 25011-8 | 2 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 5 | 25127 | 2 | NUT, Hex Serrated Flange, 5/16-18 |
| 6 | 45616 | 1 | BRAKE HANDLE MOUNT |
| 7 | 25010-14 | 2 | CAPSCREW, Hex Head, 1/4-20 x 1-3/4 |
| 8 | 25128 | 6 | NUT, Hex Serrated Flange, 3/8-16 |
| 9 | 25013-6 | 4 | CAPSCREW, Hex Head, 3/8-16 x 3/4 |
| 10 | 21098 | 2 | BEARING, Flange |
| 11 | 45610 | 1 | BRAKE HANDLE SHAFT |
| 12 | 45618 | 1 | BRAKE LINKAGE PIVOT |
| 13 | 25010-6 | 2 | CAPSCREW, Hex Head, 1/4-20 x 3/4 |
| 14 | 25154 | 2 | WASHER, 1/4 |
| 15 | 25058-14 | 1 | CAPSCREW, Hex Head, 3/8-16 x 1-3/4 TFL |
| 16 | 45621 | 1 | SWITCH MOUNT BRACKET |
| 17 | 25126 | 2 | NUT, Hex Serrated Flange, 1/4-20 |
| 18 | 22182 | 2 | SWITCH, NO/NC |

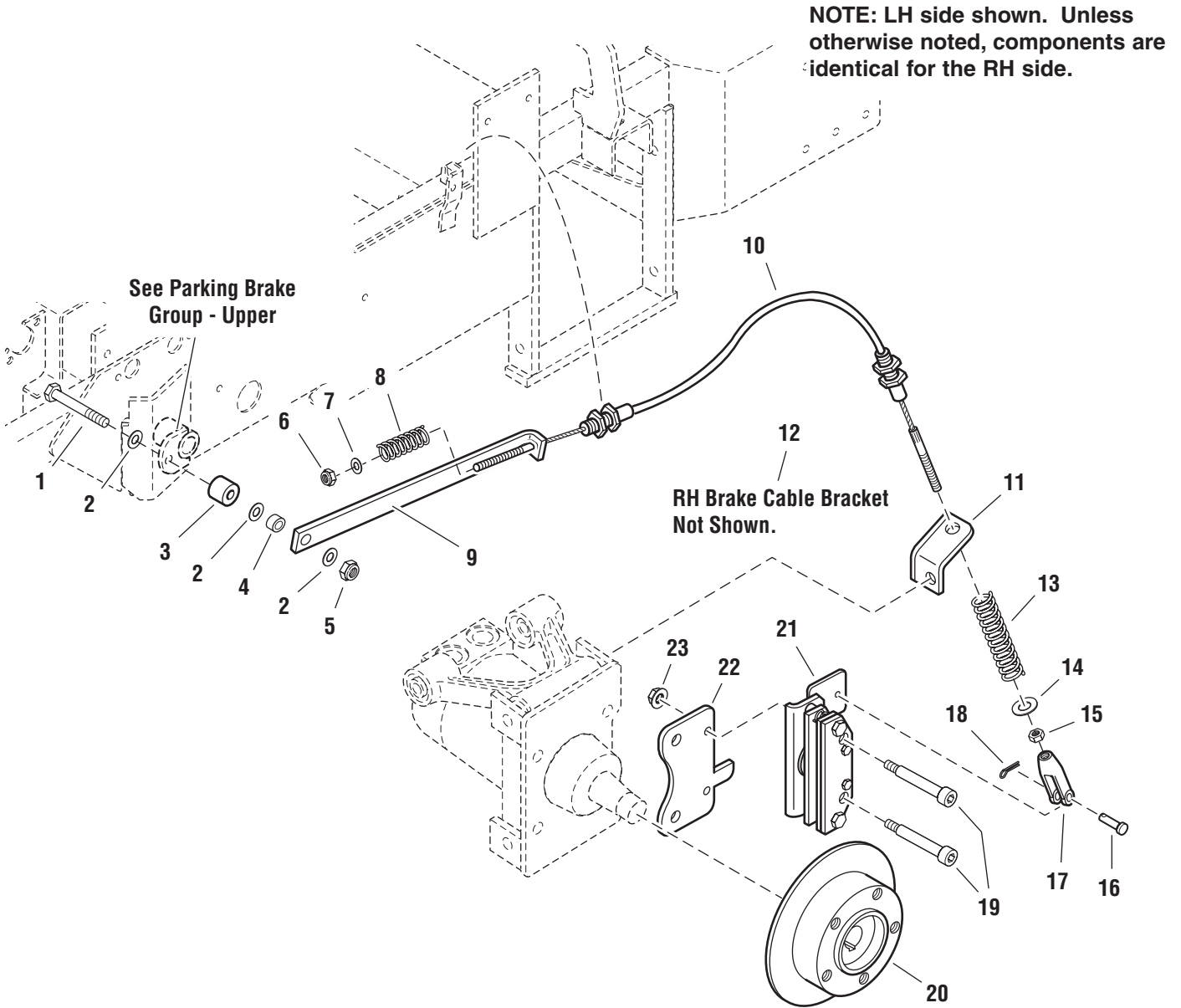
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Parking Brake Group - Lower

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Parking brake Group - Lower

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|-------------------------------------|
| 1 | 25013-18 | 2 | CAPSCREW, Hex Head, 3/8-16 x 2-1/4 |
| 2 | 25156 | 6 | WASHER, 3/8 |
| 3 | 47125 | 2 | SPACER, .39 x 1.00 x .88 |
| 4 | 41930 | 2 | SPACER, .38 x .50 x .27 |
| 5 | 25096 | 2 | NUT, Hex Nylon Lock, 3/8-16 |
| 6 | 25045 | 2 | NUT, Hex Nylon Lock, 5/16-24 |
| 7 | 25155 | 2 | WASHER, 5/16 |
| 8 | 22361 | 2 | SPRING, Compression |
| 9 | 47382 | 2 | LINK, Brake Lock |
| 10 | 23324 | 2 | CABLE, Brake |
| 11 | 49388 | 1 | BRACKET, Cable Mount-LH |
| 12 | 49389 | 1 | BRACKET, Cable Mount-RH (not shown) |
| 13 | 23320 | 2 | SPRING, Compression |
| 14 | 25164 | 2 | WASHER, Fender, 5/16 |
| 15 | 25033 | 6 | NUT, Hex, 5/16-24 |
| 16 | 25213-8 | 2 | CLEVIS PIN, 5/16 x 1 |
| 17 | 23323 | 2 | CLEVIS, Steel, 5/16-24 |
| 18 | 25203-10 | 2 | COTTER PIN |
| 19 | 25400 | 4 | SHOULDER BOLT, 1/2 x 2-1/2 |
| 20 | 23300 | 2 | BRAKE HUB |
| 21 | 23299 | 2 | BRAKE CALIPER |
| 22 | 2849391 | 2 | BRAKE CALIPER MOUNT |
| 23 | 25128 | 4 | NUT, Hex Serrated Flange, 3/8-16 |

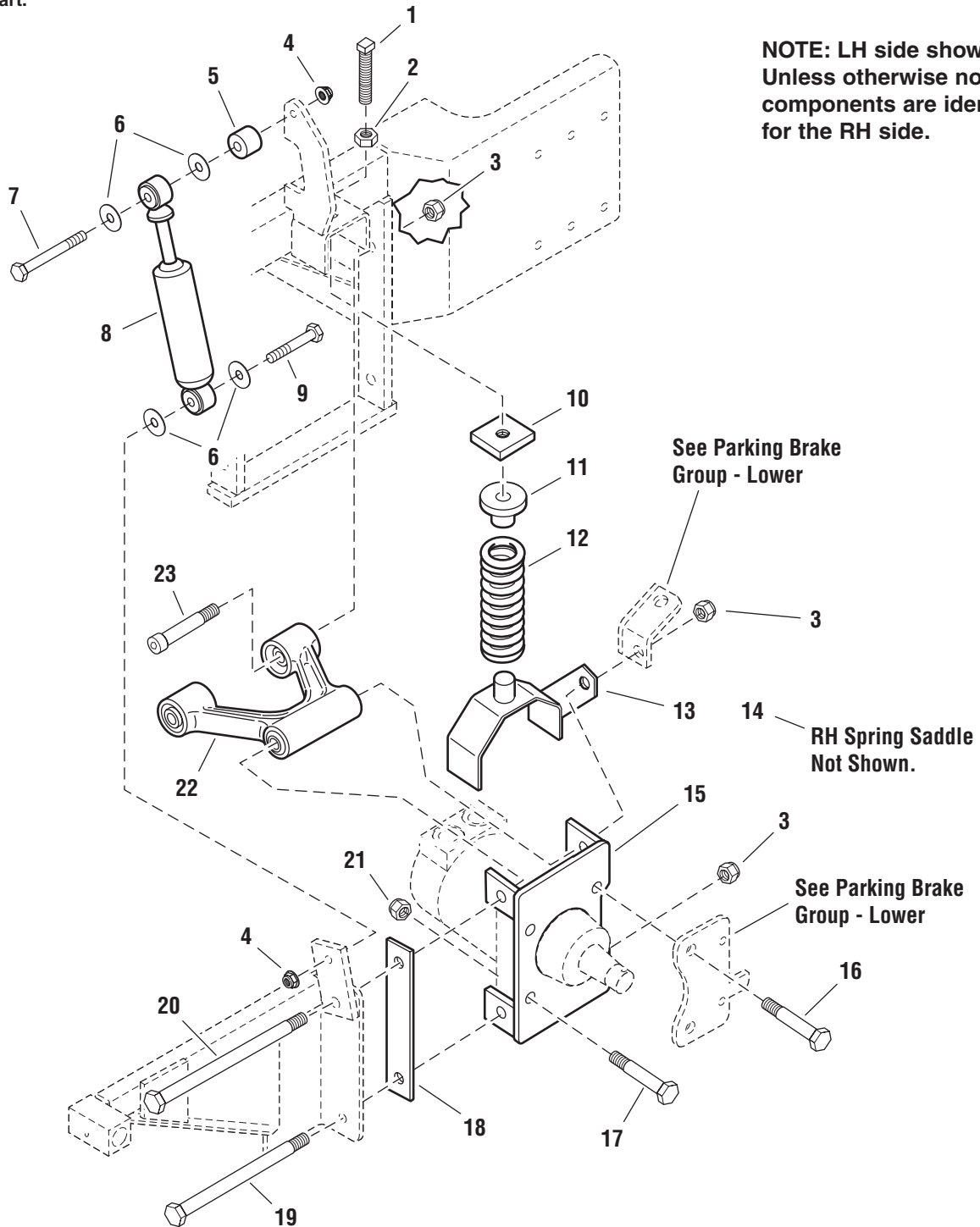
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Rear Suspension Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Rear Suspension Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|------------------------------------|
| 1 | 25298 | 2 | SET SCREW, Square Hd, 1/2-13 x 3 |
| 2 | 25301 | 2 | NUT, Hex, Jam, 1/2-13 |
| 3 | 25056 | 12 | NUT, Hex Nylon Lock, 1/2-13 |
| 4 | 25394 | 4 | NUT, Hex Nylock Flange, 3/8-16 |
| 5 | 43815 | 2 | SPACER, .39 x 1.00 x .75 |
| 6 | 25165 | 8 | WASHER, Fender, 3/8 |
| 7 | 25013-22 | 2 | CAPSCREW, Hex Head, 3/8-16 x 2-3/4 |
| 8 | 22912 | 2 | DAMPENER |
| 9 | 25013-16 | 2 | CAPSCREW, Hex Head, 3/8-16 x 2 |
| 10 | 45904 | 2 | SPRING COMPRESSION PLATE |
| 11 | 45898 | 2 | SPRING RETAINER |
| 12 | 61181 | 2 | SPRING, Compression |
| 13 | 45601 | 1 | SPRING SADDLE-LH |
| 14 | 45602 | 1 | SPRING SADDLE-RH (not shown) |
| 15 | 45588 | 2 | WHEEL MOTOR MOUNT |
| 16 | 25018-24 | 4 | CAPSCREW, Hex Head, 1/2-20 x 3 |
| 17 | 25018-20 | 4 | CAPSCREW, Hex Head, 1/2-20 x 2-1/2 |
| 18 | 46059 | 2 | SPACER PLATE |
| 19 | 25017-52 | 2 | CAPSCREW, Hex Head, 1/2-13 x 6-1/2 |
| 20 | 25017-56 | 2 | CAPSCREW, Hex Head, 1/2-13 x 7 |
| 21 | 25098 | 8 | NUT, Hex Nylon Lock, 1/2-20 |
| 22 | 61178 | 4 | CAST A-ARM |
| 23 | 25294 | 8 | CAPSCREW, Allen Head, 1/2-13 x 3 |

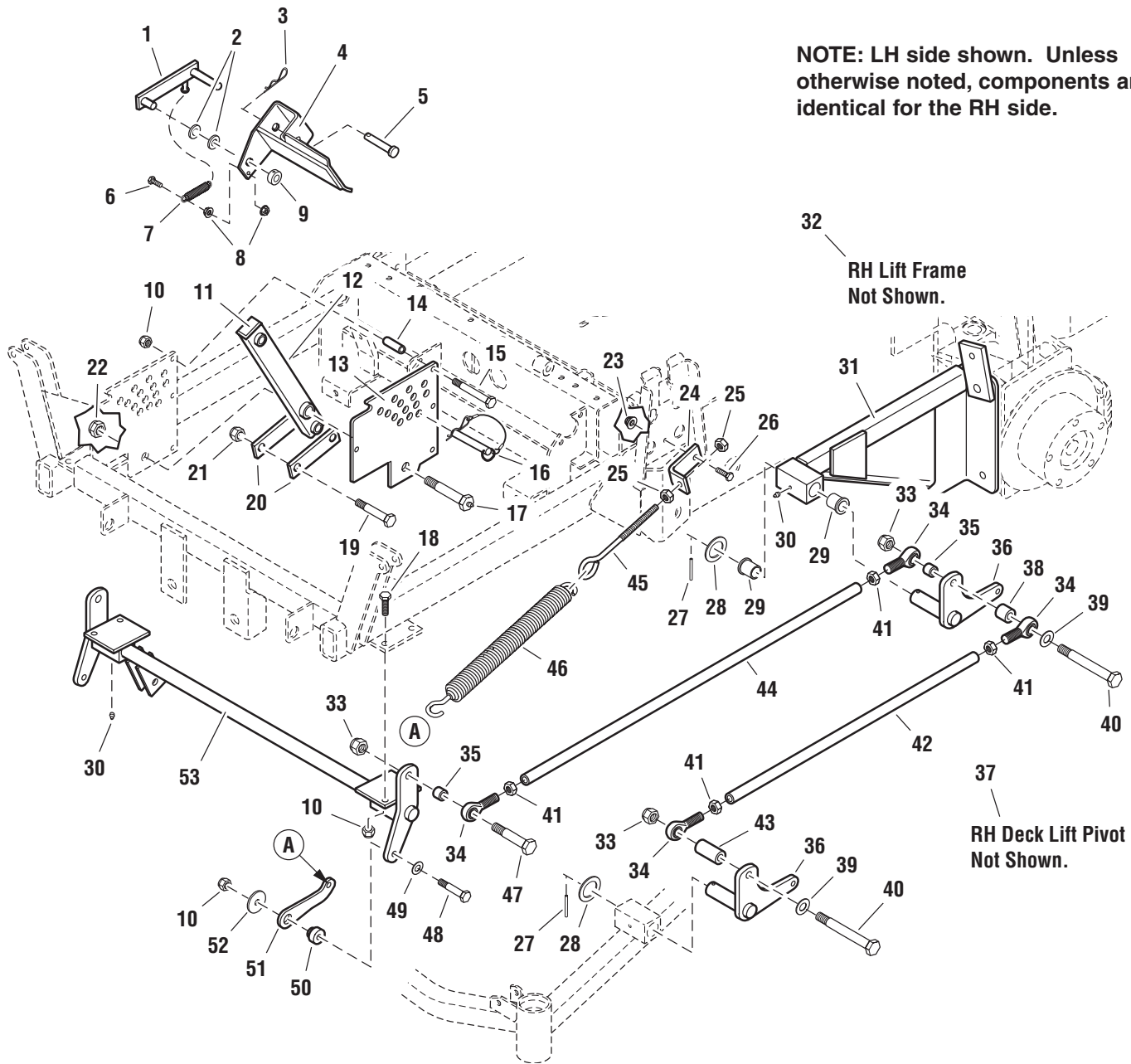
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Mower Deck Lift Group

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

Mower Deck Lift Group

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|--|
| 1 | 61232 | 1 | DECK LIFT LOCK |
| 2 | 25158 | 2 | WASHER, 1/2 |
| 3 | 25210 | 1 | HAIRPIN CLIP |
| 4 | 45058 | 1 | DECK LIFT PEDAL |
| 5 | 22044 | 1 | PIN, Clevis, 1/2 x 2-1/2 |
| 6 | 25010-6 | 1 | CAPSCREW, Hex Head, 1/4-20 x 3/4 |
| 7 | 20639 | 1 | SPRING, Extension |
| 8 | 25126 | 2 | NUT, Hex Serrated Flange, 1/4-20 |
| 9 | 23241 | 1 | COLLAR, Split, 1/2 |
| 10 | 25096 | 10 | NUT, Hex Nylon Lock, 3/8-16 |
| 11 | 22097 | 1 | CAP |
| 12 | 44987 | 1 | DECK LIFT PIVOT ARM |
| 13 | 61307 | 1 | DECK HEIGHT PLATE |
| 14 | 44992 | 4 | SPACER, .38 x .50 x 1.56 |
| 15 | 25013-22 | 4 | CAPSCREW, Hex Head, 3/8-16 x 2-3/4 |
| 16 | 23082 | 1 | HITCH PIN, 1/2 x 3-1/2 |
| 17 | 44993 | 1 | LIFT PIVOT BOLT |
| 18 | 25013-10 | 4 | CAPSCREW, Hex Head, 3/8-16 x 1-1/4 |
| 19 | 25018-24 | 2 | CAPSCREW, Hex Head, 1/2-20 x 3 |
| 20 | 44994 | 2 | DECK LIFT LINK |
| 21 | 25098 | 2 | NUT, Hex Nylon Lock, 1/2-20 |
| 22 | 25282 | 1 | NUT, Hex Jam, Nylon Lock, 5/8-11 |
| 23 | 25392 | 2 | NUT, Hex Nylock Flange, 5/16-18 |
| 24 | 61355 | 2 | EYEBOLT ANCHOR |
| 25 | 25034 | 4 | NUT, Hex, 3/8-16 |
| 26 | 25011-1 | 2 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 27 | 25516 | 4 | PIN, Roll, 3/16 x 1-1/2 |
| 28 | 21253 | 4 | SHIM WASHER |
| 29 | 23343 | 4 | BUSHING, Flange |
| 30 | 20095 | 6 | GREASE FITTING |
| 31 | 61354 | 1 | LIFT FRAME ASSEMBLY - LH, Complete (includes Ref No. 29) |
| 32 | 61353 | 1 | LIFT FRAME ASSEMBLY - RH, Complete (includes Ref No. 27) (not shown) |
| 33 | 25056 | 6 | NUT, Hex Nylon Lock, 1/2-13 |
| 34 | 22434 | 8 | BALL JOINT, 1/2-20 |
| 35 | 47027 | 4 | SPACER, .52 x .75 x .56 |
| 36 | 61358 | 2 | DECK LIFT PIVOT - LH |
| 37 | 61357 | 2 | DECK LIFT PIVOT - RH (not shown) |
| 38 | 49777 | 2 | SPACER, .52 x 1.00 x 1.00 |
| 39 | 25158 | 4 | WASHER, 1/2 |
| 40 | 25017-32 | 4 | CAPSCREW, Hex Head, 1/2-13 x 4 |

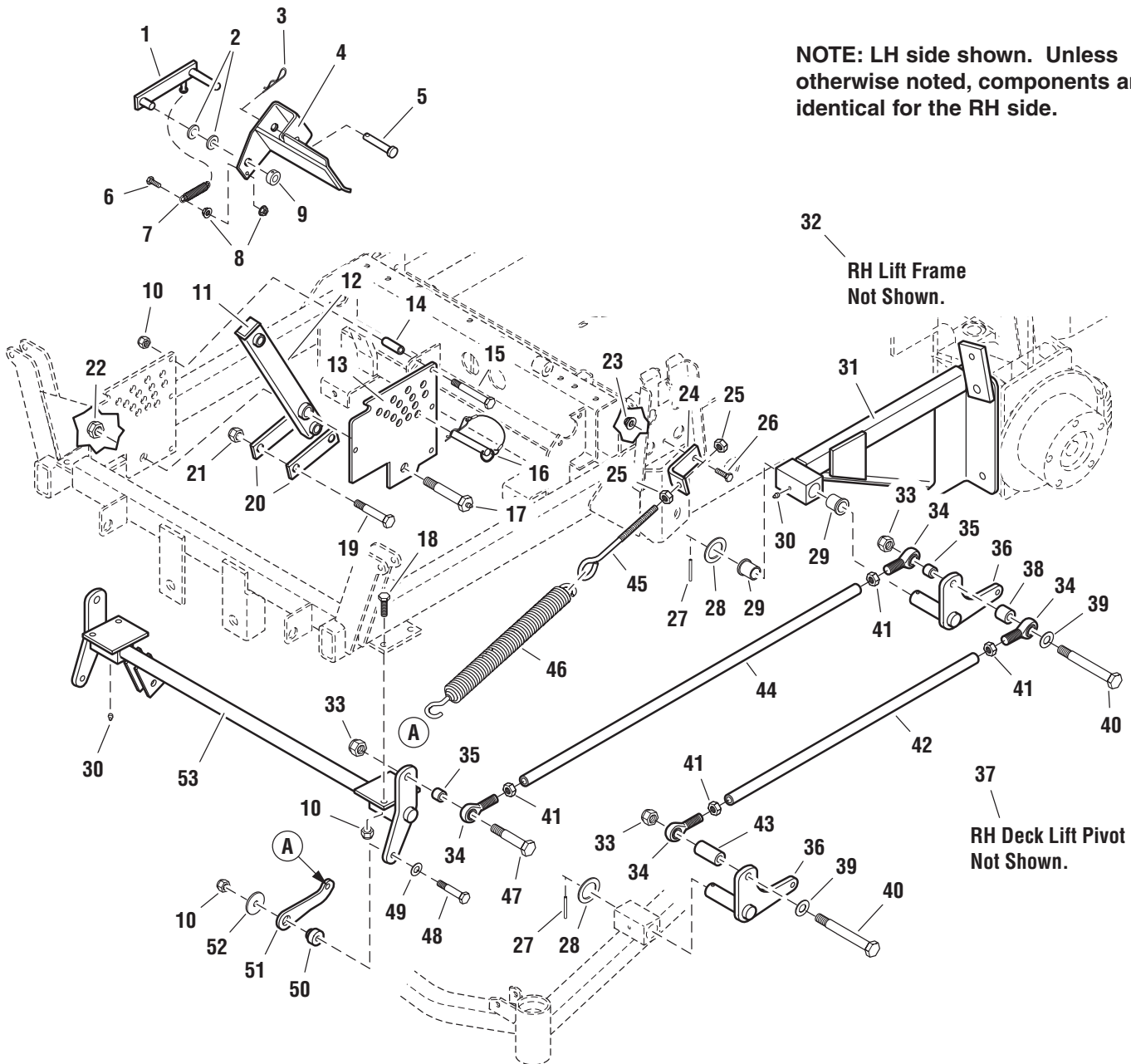
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Mower Deck Lift Group - Con't.

NOTE: Unless noted otherwise, use the standard hardware torque specification chart.



NOTE: LH side shown. Unless otherwise noted, components are identical for the RH side.

RH Lift Frame Not Shown.

RH Deck Lift Pivot Not Shown.

The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

Mower Deck Lift Group - Con't.

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|------------------------------------|
| 41 | 25039 | 8 | NUT, Hex, 1/2-20 |
| 42 | 61350 | 2 | DECK LIFT ROD - OUTER |
| 43 | 43607 | 2 | SPACER, .50 x 1.00 x 2.00 |
| 44 | 61349 | 2 | DECK LIFT ROD - INNER |
| 45 | 21811 | 2 | EYEBOLT, 3/8-16 x 8 |
| 46 | 23392 | 2 | DECK LIFT SPRING |
| 47 | 25017-18 | 2 | CAPSCREW, Hex Head, 1/2-13 x 2-1/4 |
| 48 | 25013-16 | 2 | CAPSCREW, Hex Head, 3/8-16 x 2 |
| 49 | 25156 | 2 | WASHER, 3/8 |
| 50 | 61227 | 2 | DECK PIVOT BUSHING |
| 51 | 61224 | 2 | SPRING LINK |
| 52 | 25326 | 2 | WASHER, .39 x 2.00 x .135 |
| 53 | 61348 | 1 | DECK LIFT SHAFT & MOUNT ASSEMBLY |

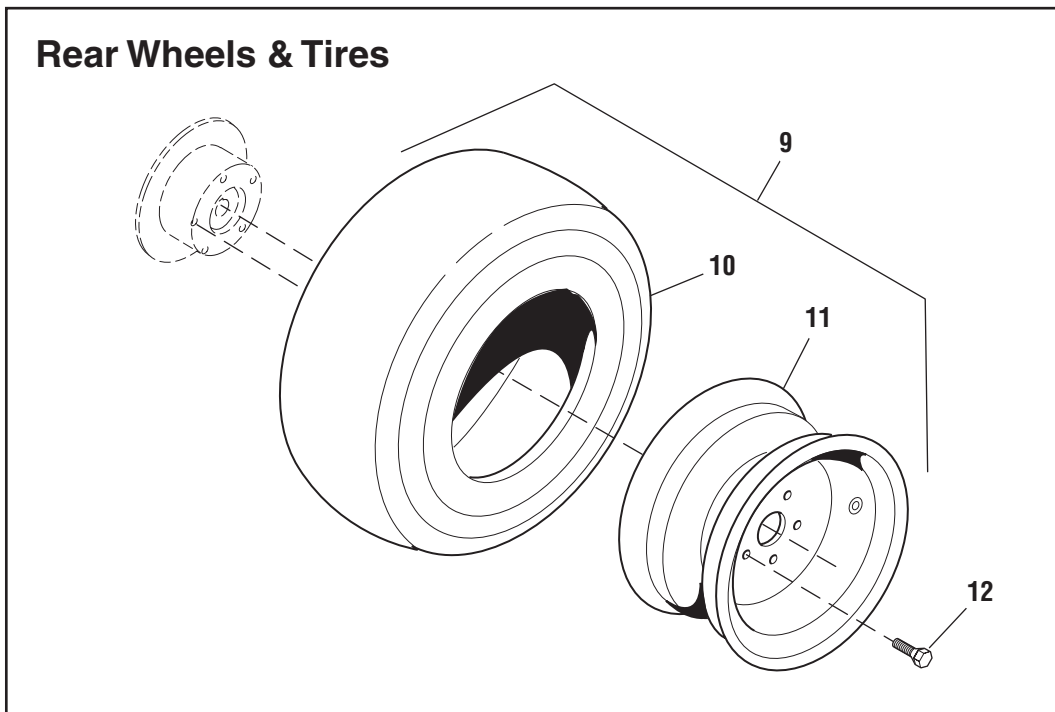
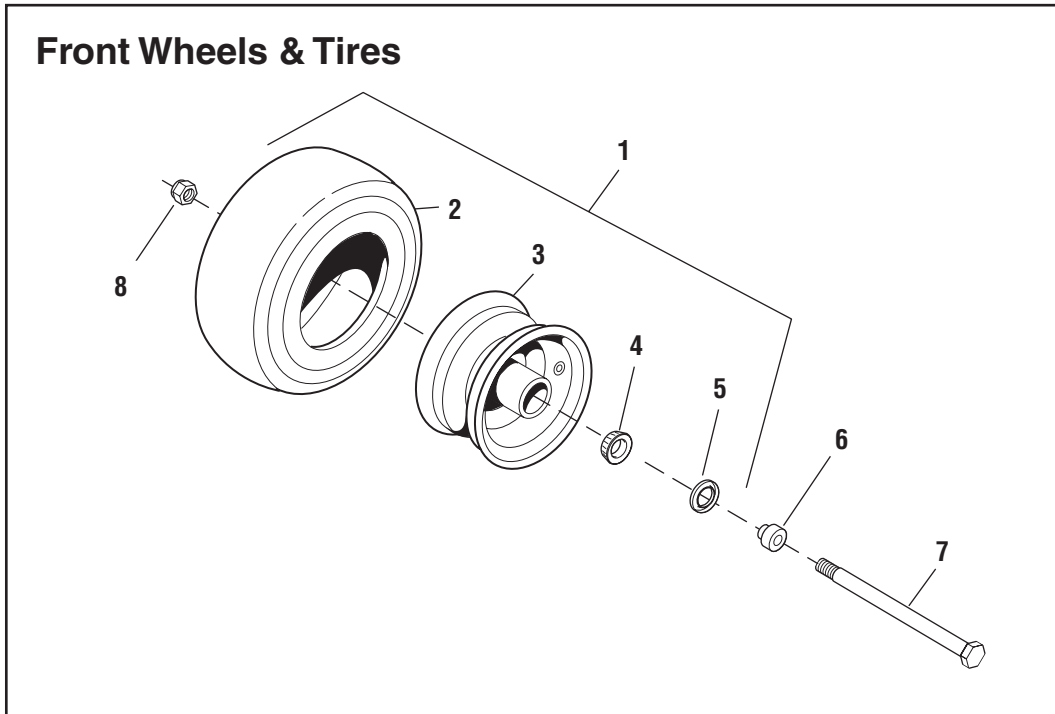
Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Wheels & Tires Group

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

Wheels & Tires Group

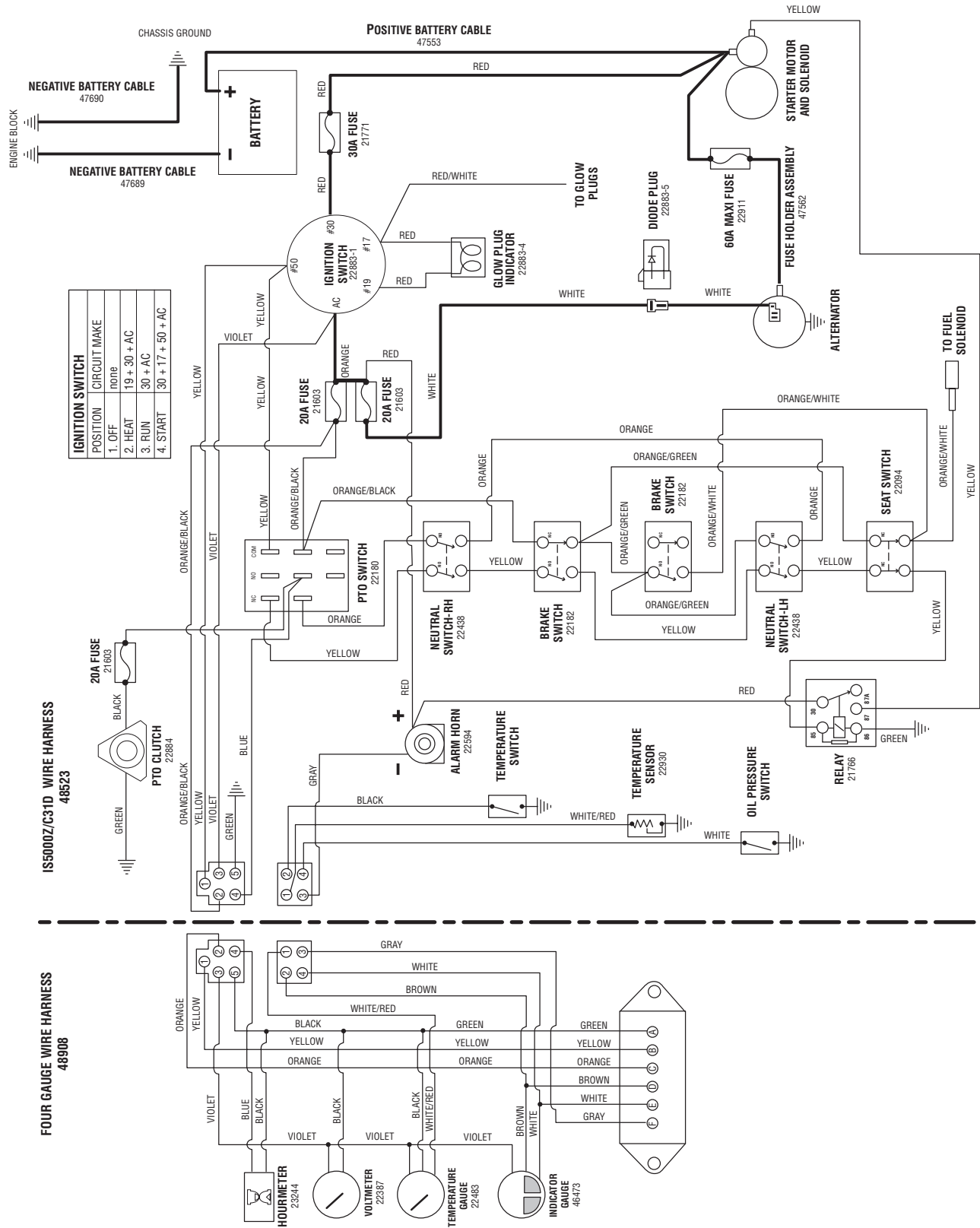
| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|--|
| 1 | 23136 | 2 | WHEEL & TIRE ASSEMBLY, Front, 13 x 6.5 x 6, Complete (includes Ref 2-5) |
| 2 | 22577 | 2 | TIRE, Front, 13 x 6.5 x 6 |
| 3 | 23136-1 | 2 | WHEEL ASSEMBLY, Front, Complete (includes Ref 4 & 5) |
| 4 | 22631S-2 | 4 | BEARING, Taper Roller (2 per tire) |
| 5 | 22631S-3 | 4 | GREASE SEAL (2 per tire) |
| 6 | 47103 | 4 | ADAPTER, Caster Wheel (2 per tire)r |
| 7 | 25017-72 | 2 | CAPSCREW, Hex Head, 1/2-13 x 9 |
| 8 | 25056 | 2 | NUT, Hex Nylon Lock, 1/2-13 |
| 9 | 23363 | 2 | WHEEL & TIRE ASSEMBLY, Rear, 26 x 12 x 12, Complete (Includes Ref 10 & 11) |
| 10 | 23152-1 | 2 | TIRE, Rear, 26 x 12 x 12 |
| 11 | 23364 | 2 | WHEEL ASSEMBLY, Rear, 12 x 8.5 |
| 12 | 22215 | 10 | WHEEL LUG, 1/2 x 1-5/8 |

Footnotes:

The above parts group applies to the following Model Nos.:

IS5000Z/C31D
IS5000Z/C31DCE
IS5000ZC31D61CE

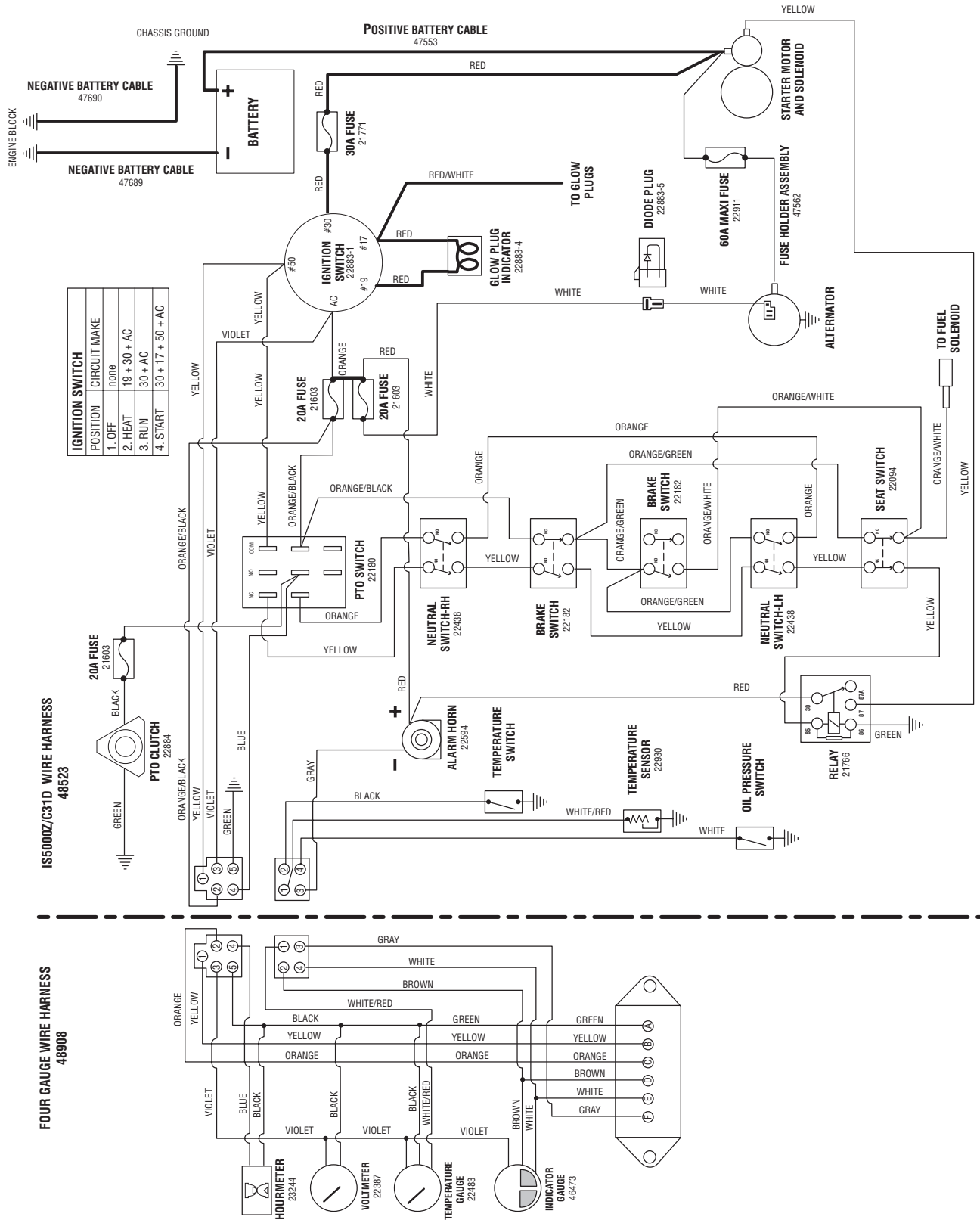
Charging Circuit - S/N: 1290 & below



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

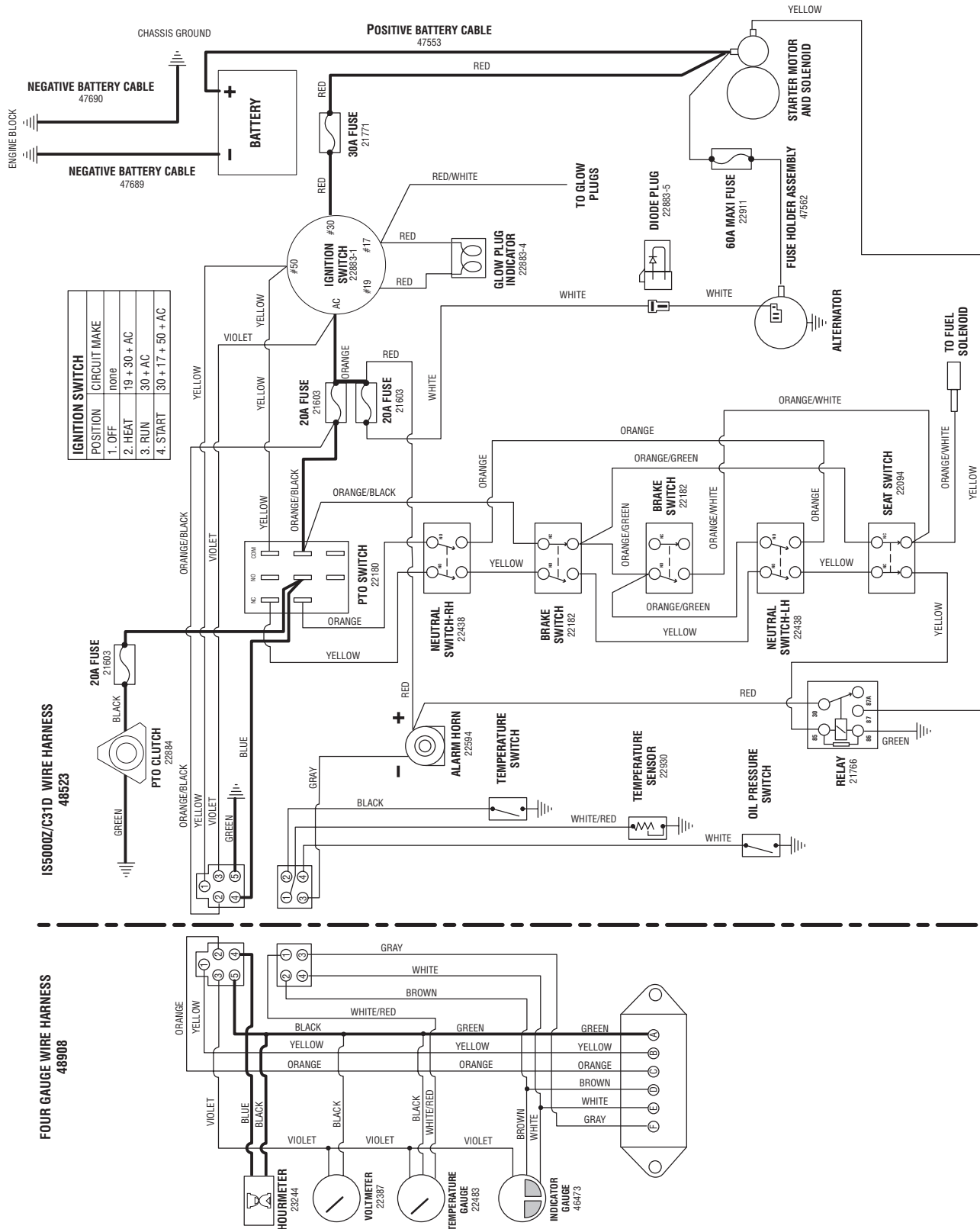
Glow Plug Heat Circuit - S/N: 1290 & below



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

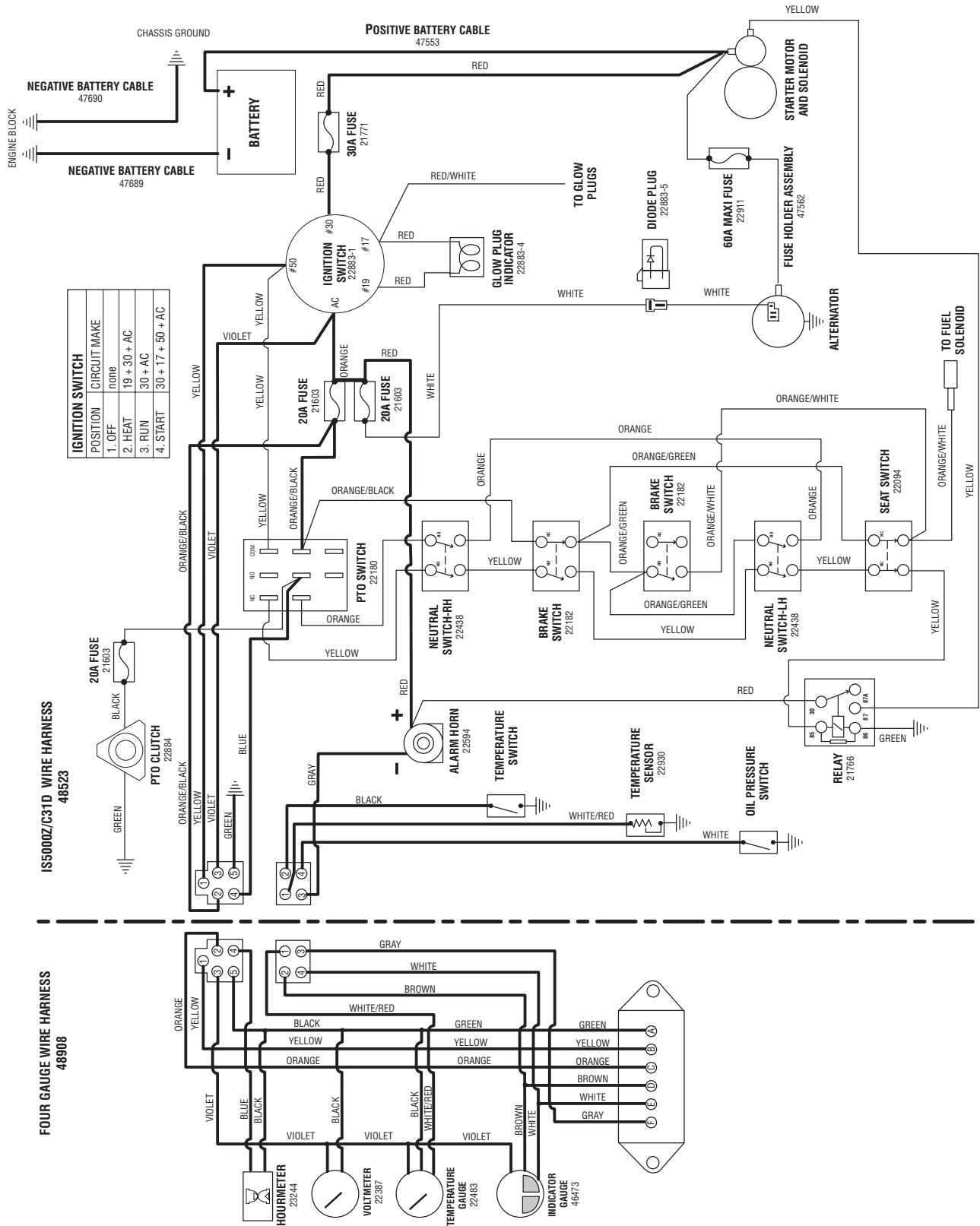
PTO & Hourmeter Circuit - S/N: 1290 & below



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

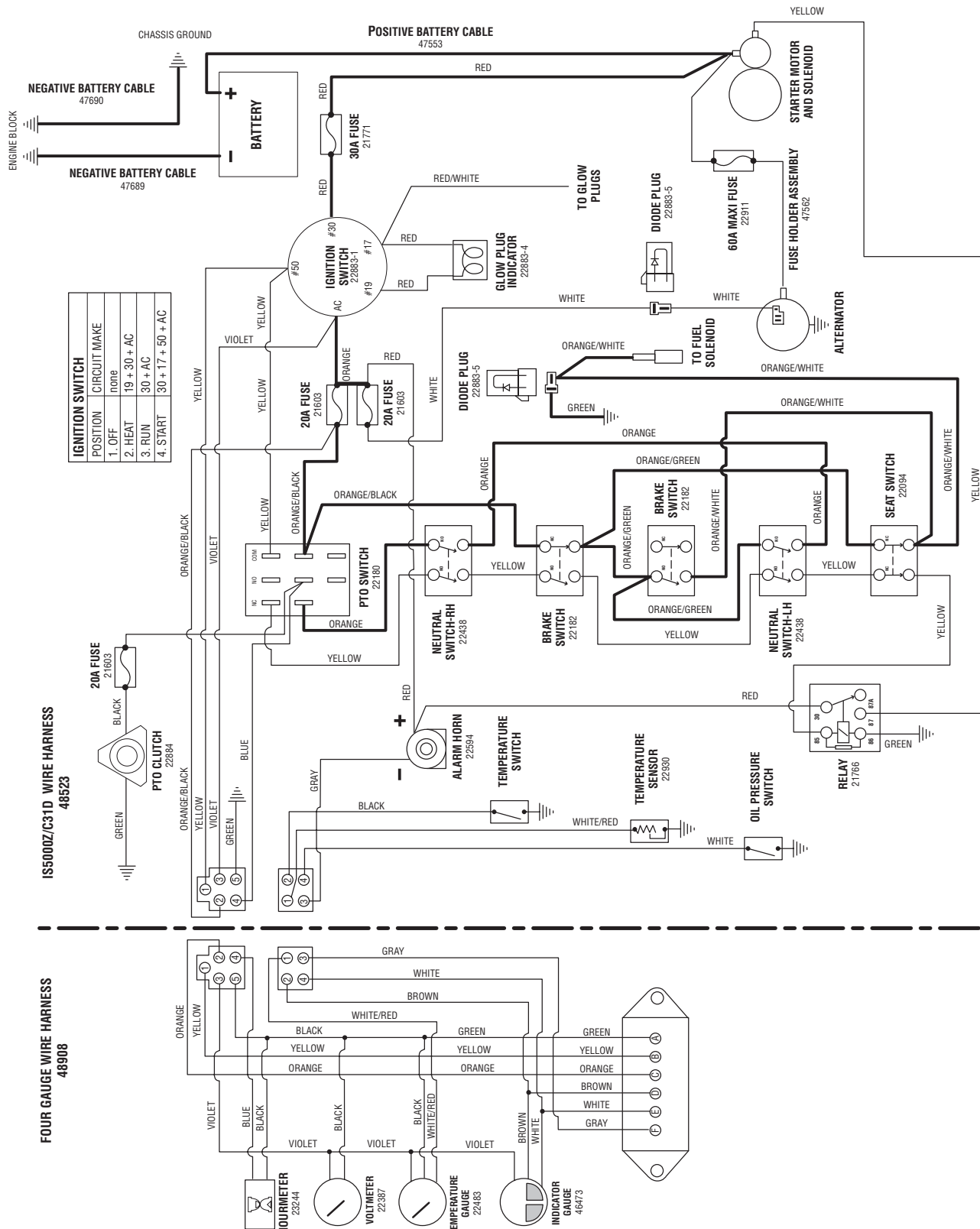
Gauges & Alarm Circuit - S/N: 1290 & below



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

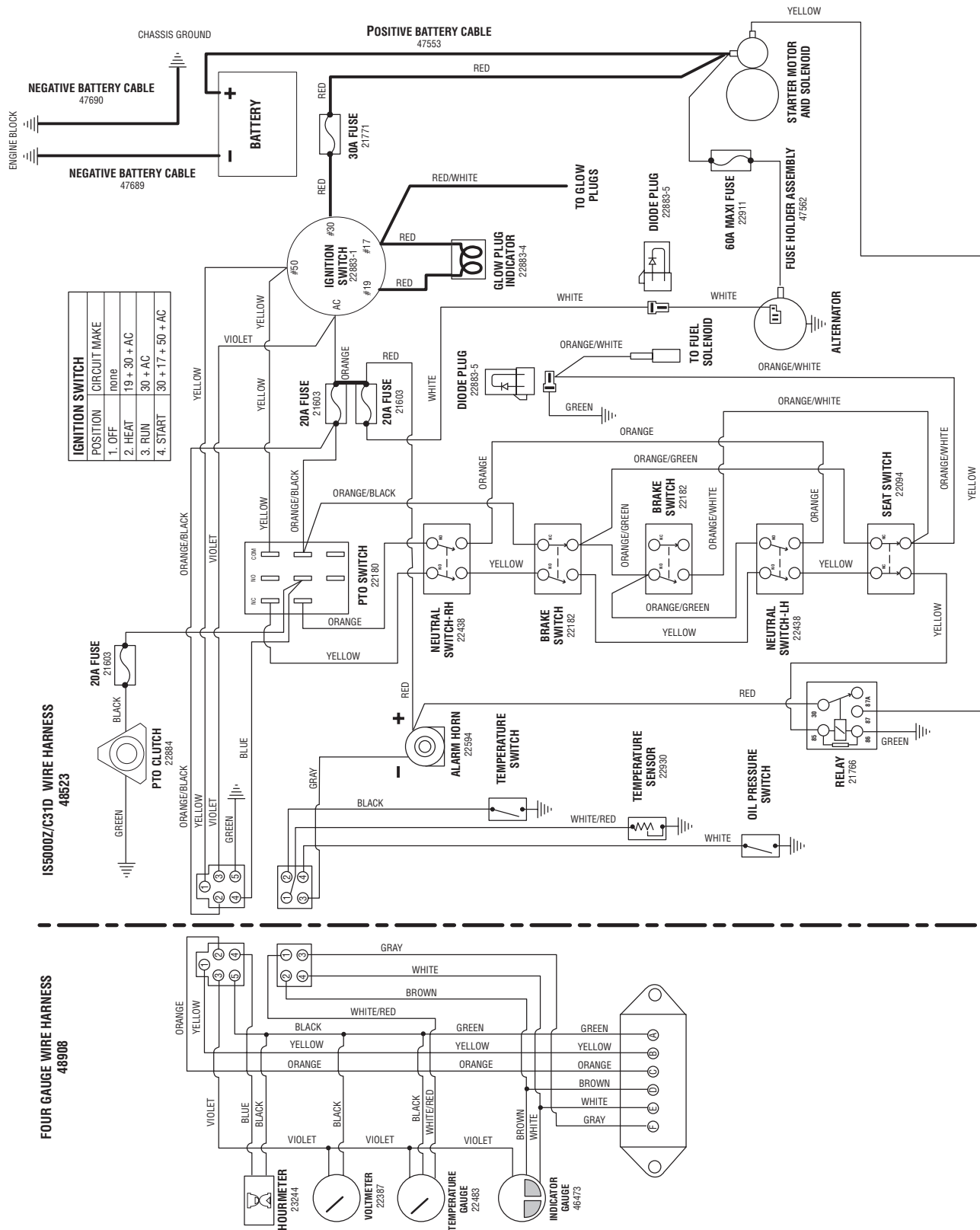
Operator Presence/Safety Circuit - S/N: 1291 & above



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

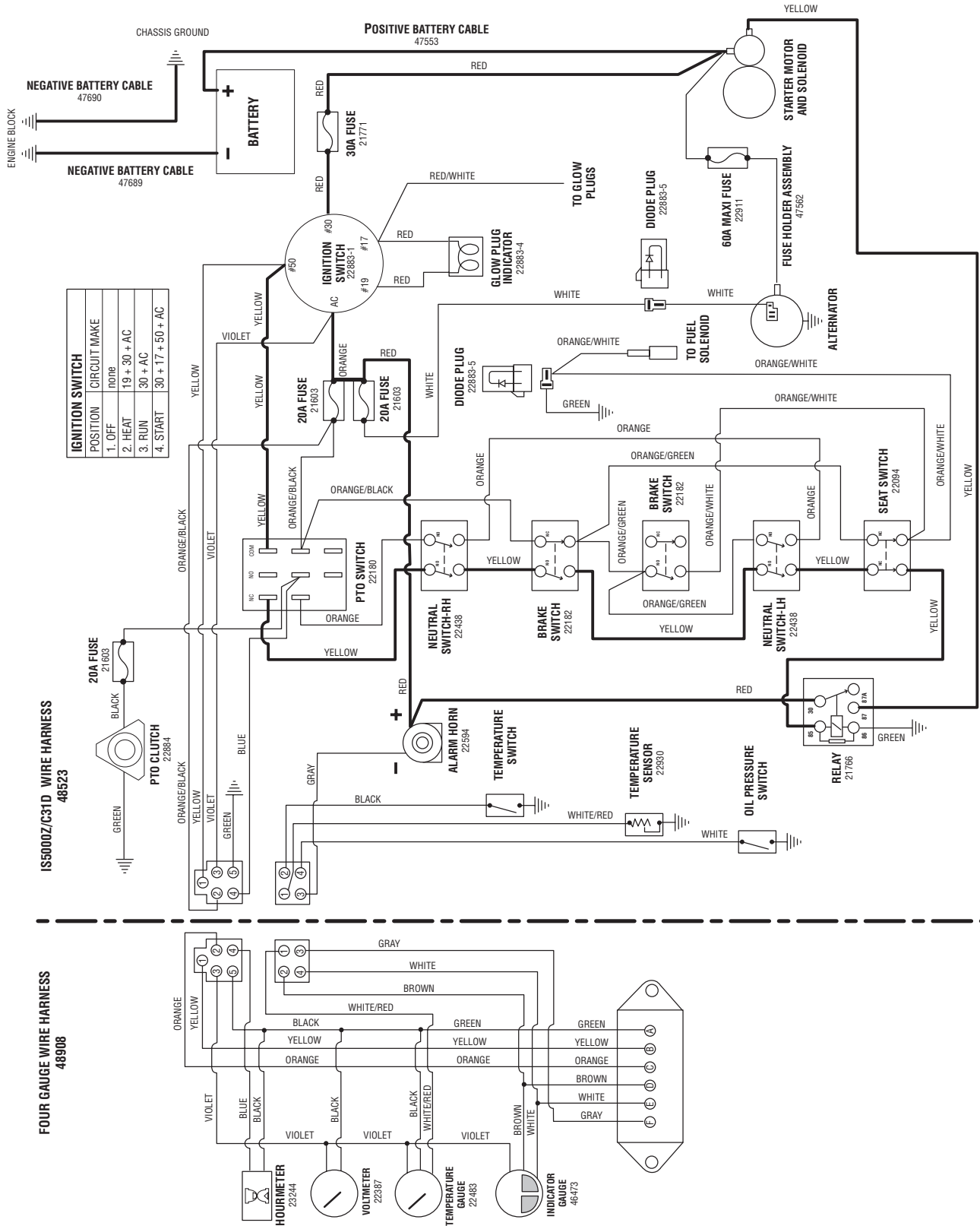
Glow Plug Heat Circuit - S/N: 1291 & above



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

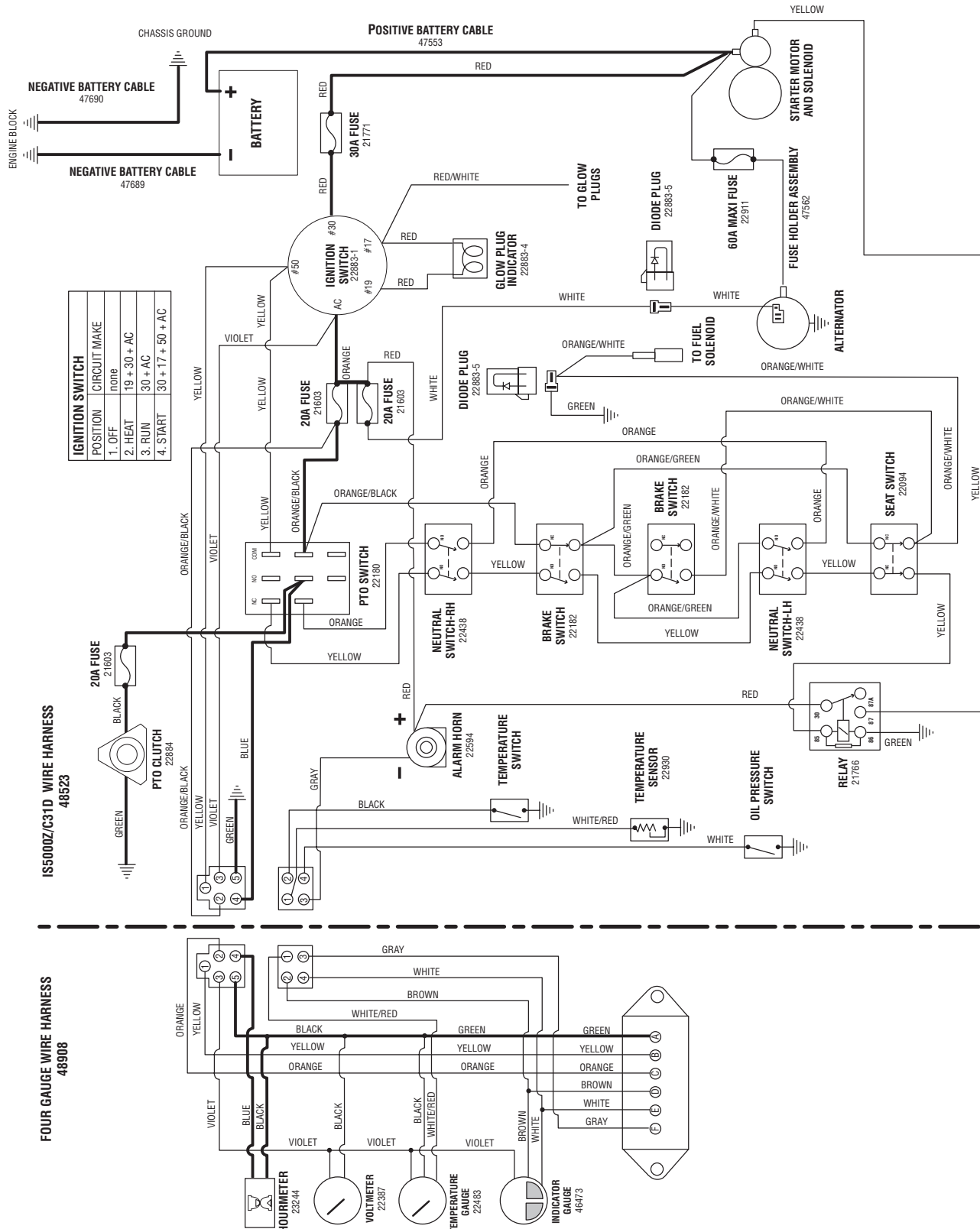
Cranking Circuit - S/N: 1291 & above



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

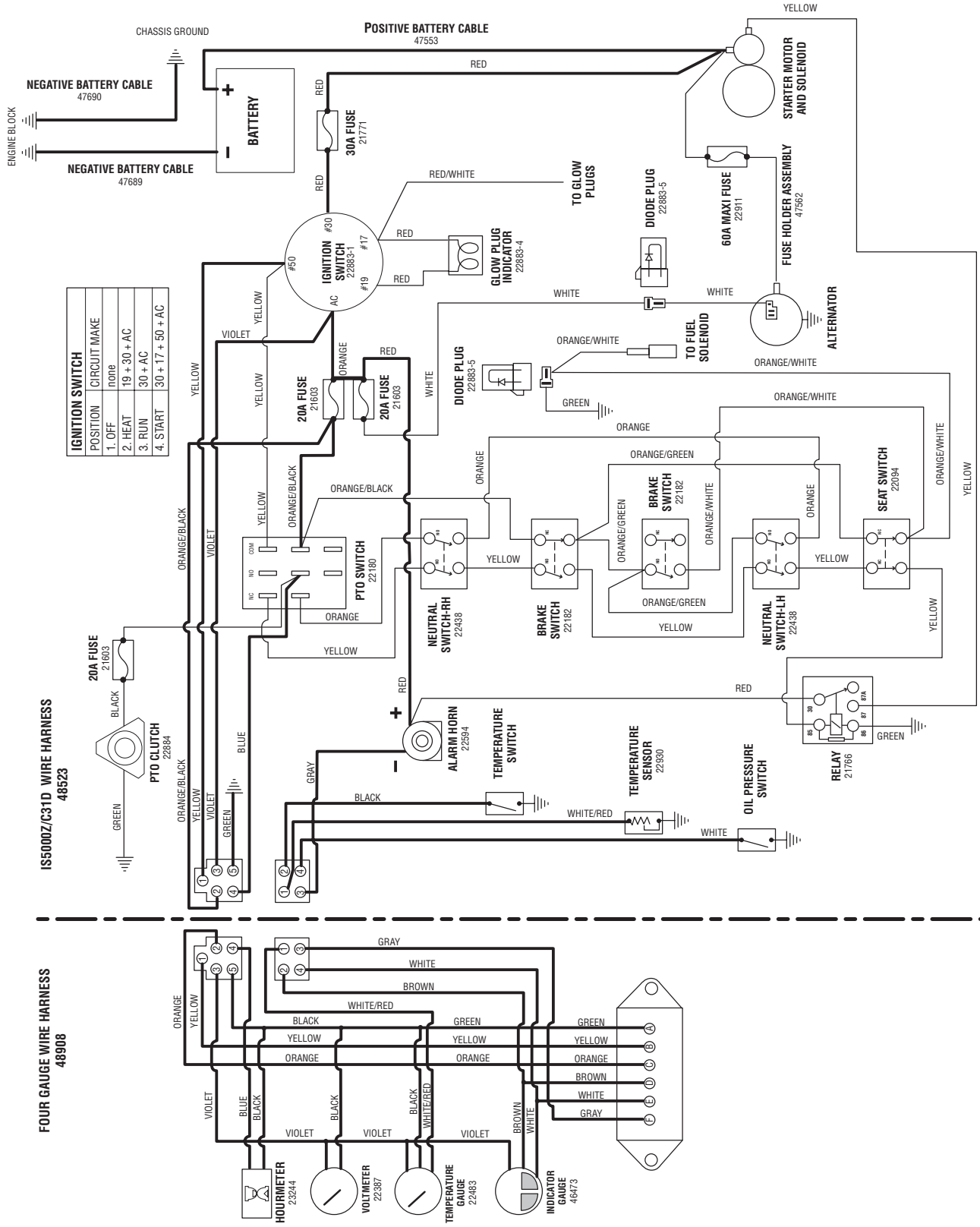
PTO & Hourmeter Circuit - S/N: 1291 & above



The above parts group applies to the following Model Nos.:

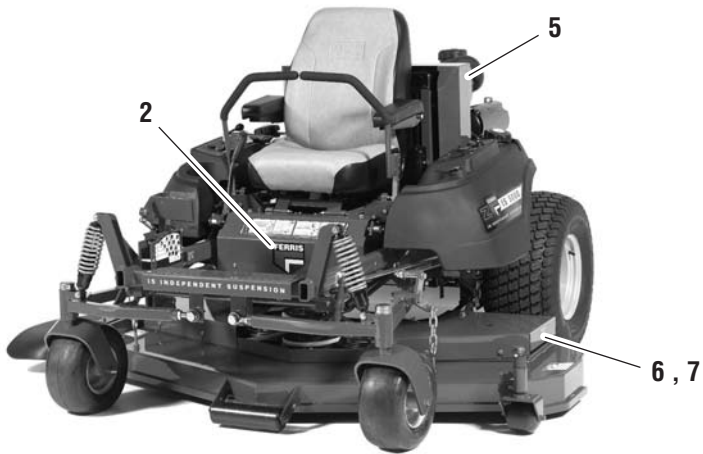
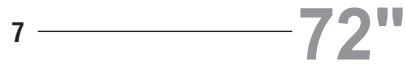
- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE

Gauges & Alarm Circuit - S/N: 1291 & above



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D
- IS5000Z/C31DCE
- IS5000ZC31D61CE



The above parts group applies to the following Model Nos.:

| | | |
|-----------------|------------|------------|
| IS5000Z/C31D | 5000/72 | 5000/61R |
| IS5000Z/C31DCE | 5000/72R | 5000/61RCE |
| IS5000ZC31D61CE | 5000/72RCE | |

Decals - Brand & Model

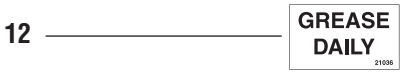
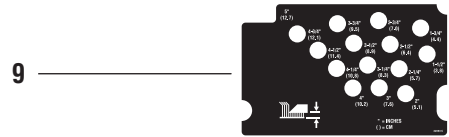
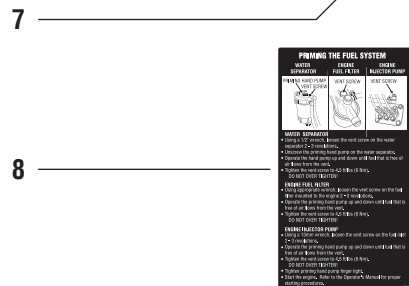
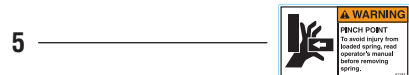
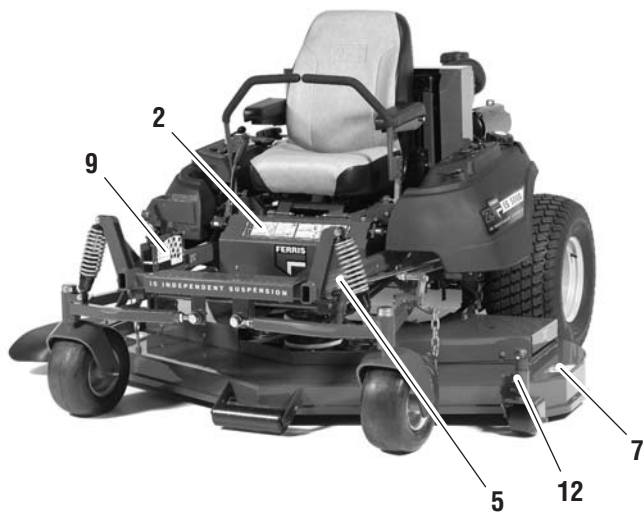
| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|----------------------------------|
| 1 | 22227 | 1 | DECAL, Ferris Logo, 6-3/8" |
| 2 | 22556 | 1 | DECAL, Ferris Logo, 5" |
| 3 | 22239 | 1 | DECAL, First w/ Independent |
| 4 | 22555 | 1 | DECAL, IS Independent Suspension |
| 5 | 22929 | 2 | DECAL, CAT Diesel Power |
| 6 | 22813 | 1 | DECAL, 61" |
| 7 | 22814 | 1 | DECAL, 72" |

Footnotes:

The above parts group applies to the following Model Nos.:

| | | |
|-----------------|------------|------------|
| IS5000Z/C31D | 5000/72 | 5000/61R |
| IS5000Z/C31DCE | 5000/72R | 5000/61RCE |
| IS5000ZC31D61CE | 5000/72RCE | |

Decals - Safety & Operation - North American Models



The above parts group applies to the following Model Nos.:

- IS5000Z/C31D 5000/72
- 5000/72R
- 5000/61R

Decals - Safety & Operation - North American Models

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---------------------------------|
| 1 | 49200 | 1 | DECAL, Control Panel |
| 2 | 61106 | 1 | DECAL, Main, CE |
| 3 | 49658 | 1 | DECAL, Danger, Open Flame |
| 4 | 20337 | 2 | DECAL, Warning, Hand In Belt |
| 5 | 61245 | 2 | DECAL, Pinch Point |
| 6 | 1704277 | 1 | DECAL, Danger (Chute In Place) |
| 7 | 1704276 | 1 | DECAL, Danger (Hand Under Deck) |
| 8 | 47696 | 1 | DECAL, Priming Instructions |
| 9 | 22063 | 1 | DECAL, Lift Plate |
| 10 | 45923 | 1 | DECAL, Oil Reservoir |
| 11 | 47554 | 1 | DECAL, Fuse Location |
| 12 | 21036 | 2 | DECAL, Grease Daily |

Footnotes:

*** - Not Serviced**

The above parts group applies to the following Model Nos.:

IS5000Z/C31D 5000/72
 5000/72R
 5000/61R

Decals - Safety & Operation - CE Models

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|------------------------------|
| 1 | 49200 | 1 | DECAL, Control Panel |
| 2 | 61108 | 1 | DECAL, Main, CE |
| 3 | 61217 | 1 | DECAL, Danger, Open Flame |
| 4 | 61042 | 3 | DECAL, Warning, Hand In Belt |
| 5 | 1720389 | 2 | DECAL, Warning, Mower |
| 6 | 61246 | 2 | DECAL, Pinch Point, CE |
| 7 | 1725941 | 1 | DECAL, CZT Hydro Release |
| 8 | 1704473 | 1 | DECAL, Hot Surface |
| 9 | 47696 | 1 | DECAL, Priming Instructions |
| 10 | 22063 | 1 | DECAL, Lift Plate |
| 11 | 45923 | 1 | DECAL, Oil Reservoir |
| 12 | 47554 | 1 | DECAL, Fuse Location |
| 13 | 21036 | 2 | DECAL, Grease Daily |

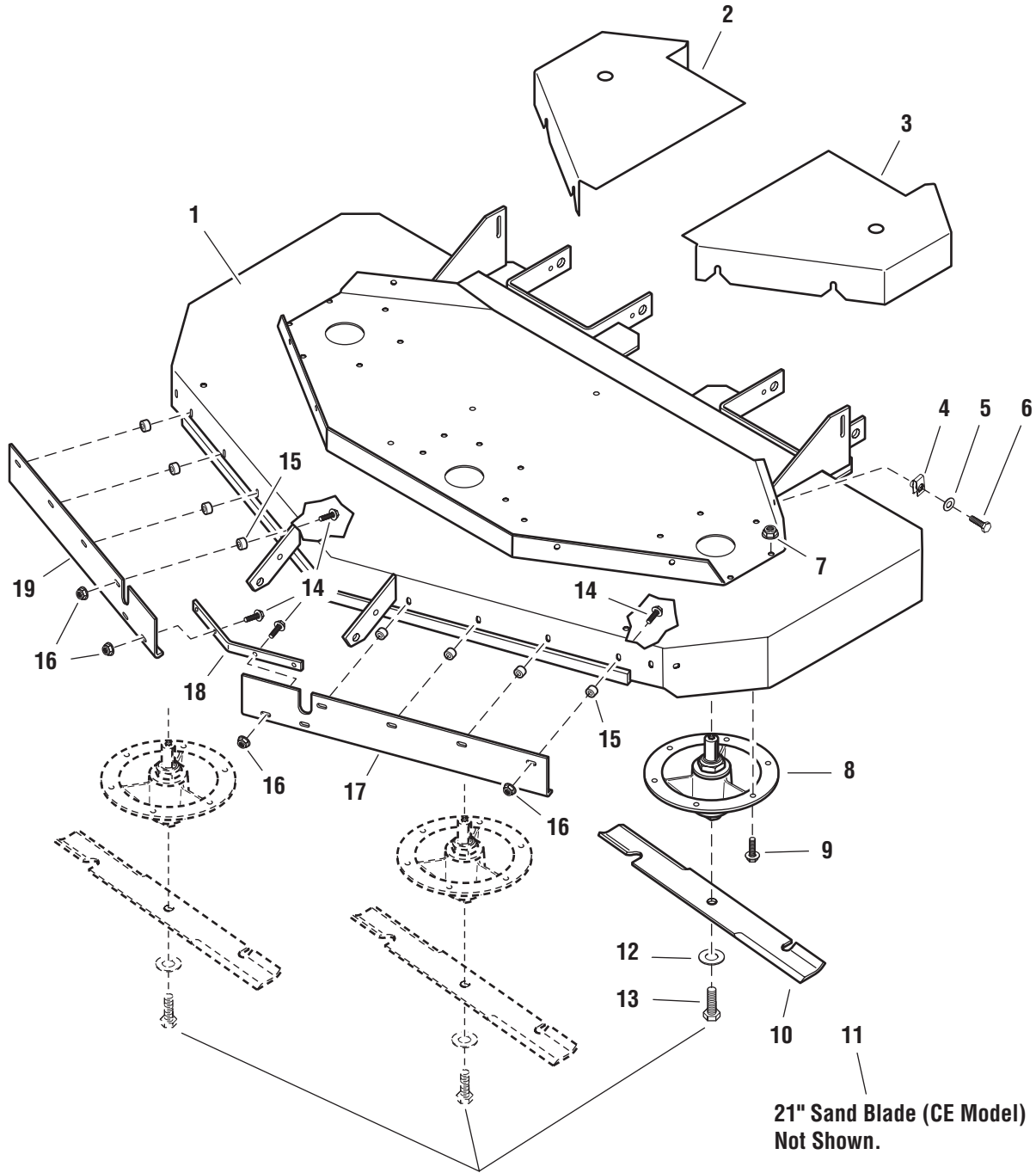
Footnotes:

The above parts group applies to the following Model Nos.:

| | |
|-----------------|------------|
| IS5000Z/C31DCE | 5000/61RCE |
| IS5000ZC31D61CE | 5000/72RCE |

61" Mower Deck - Housing, Covers, Spindles & Blades

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



Torque Capscrews
to 70 Ft. Lbs.
(95 Nm)

The above parts group applies to the following Model Nos.:

- 5000/61R
- 5000/61RCE

61" Mower Deck - Housing, Covers, Spindles & Blades

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|-------|--|
| 1 | 61052 | 1 | 61" MOWER HOUSING - REAR DISCHARGE |
| 2 | 61157 | 1 | DECK SHIELD - RH |
| 3 | 61156 | 1 | DECK SHIELD - LH |
| 4 | 22308 | 6 | BODY CLIP, 5/16-18 |
| 5 | 25155 | 6 | WASHER, 5/16 |
| 6 | 25011-6 | 6 | CAPSCREW, Hex Head, 5/16-18 x 3/4 |
| 7 | 25394 | 18 | NUT, Hex Nylock Flange, 3/8-16 |
| 8 | 49438 | 3 * | HERCULES™ SPINDLE ASSEMBLY, Complete |
| 9 | 25390-10 | 18 | CAPSCREW, Hex Flange Head, 3/8-16 x 1-1/4 |
| 10 | 20842 | 3 | BLADE, 21" |
| 11 | 23272 | 3 ** | BLADE, SAND, 21" |
| 12 | 25159 | 3 | WASHER, USS, 5/8 |
| 13 | 25320-14 | 3 | CAPSCREW, Hex Head, 5/8-11 x 1-3/4 |
| 14 | 23156 | 12 ** | CAPSCREW, Hex Flange Head, 5/16-18 x 1-1/4 |
| 15 | 47408 | 8 ** | SPACER, .39 x .75 x .50 |
| 16 | 25392 | 12 ** | NUT, Hex Nylock Flange, 5/16-18 |
| 17 | 61412 | 1 ** | BLOWOUT BAFFLE - LH |
| 18 | 61413 | 1 ** | BAFFLE REINFORCEMENT |
| 19 | 61411 | 1 ** | BLOWOUT BAFFLE - RH |

Footnotes:

* - See Spindle Service Parts for replacement components

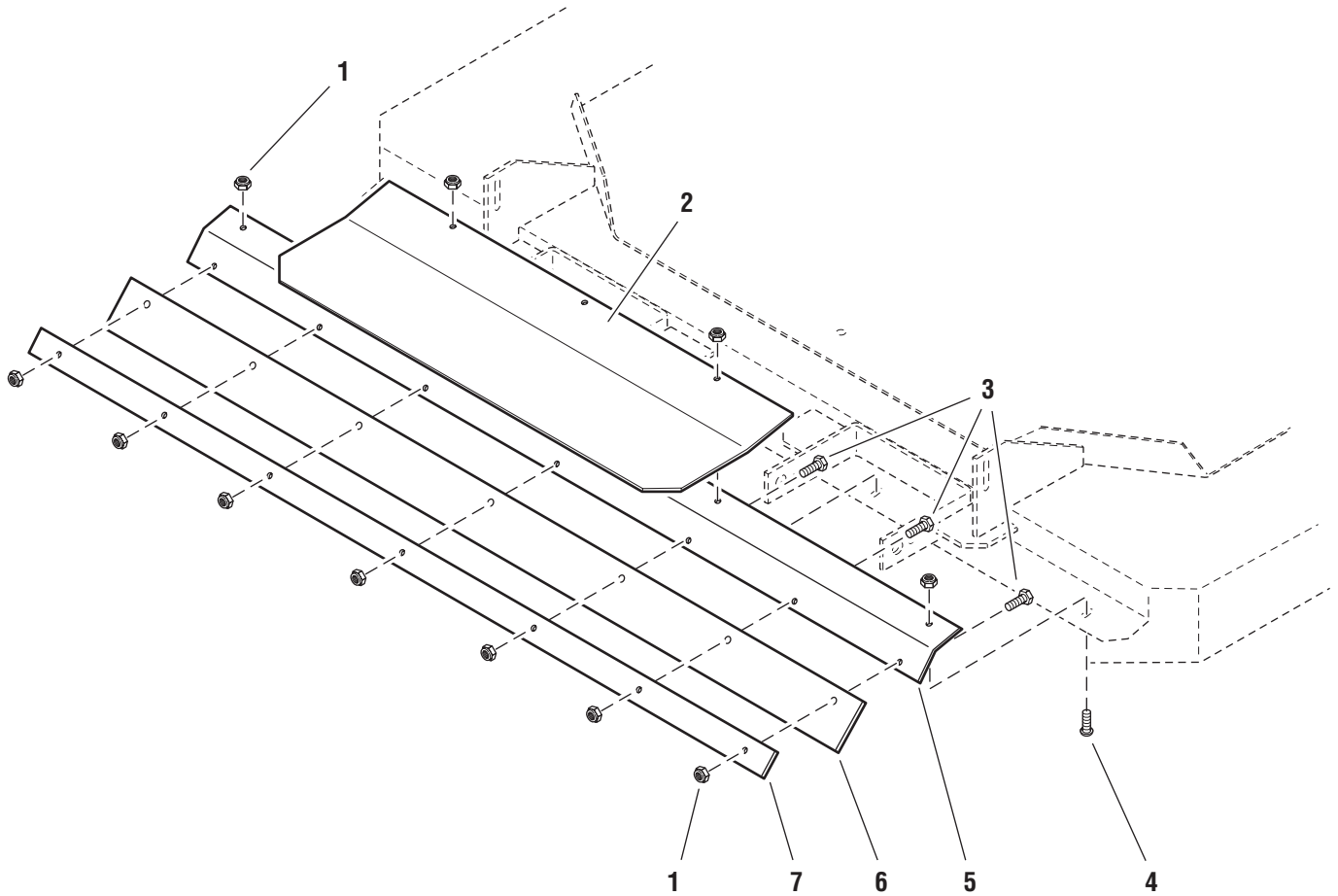
** - Applies to CE model deck only.

The above parts group applies to the following Model Nos.:

5000/61R
5000/61RCE

61" Mower Deck - Deflector & Shield

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

5000/61R
5000/61RCE

61" Mower Deck - Deflector & Shield

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---------------------------------|
| 1 | 25057 | 11 | NUT, Hex Nylon Lock, 5/16-18 |
| 2 | 48418 | 1 | SHIELD |
| 3 | 25011-8 | 7 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 4 | 25145-8 | 4 | CARRIAGE BOLT, 5/16-18 x 1 |
| 5 | 48244 | 1 | DEFECTOR MOUNT |
| 6 | 48243 | 1 | RUBBER DEFLECTOR |
| 7 | 48245 | 1 | RETAINING PLATE |

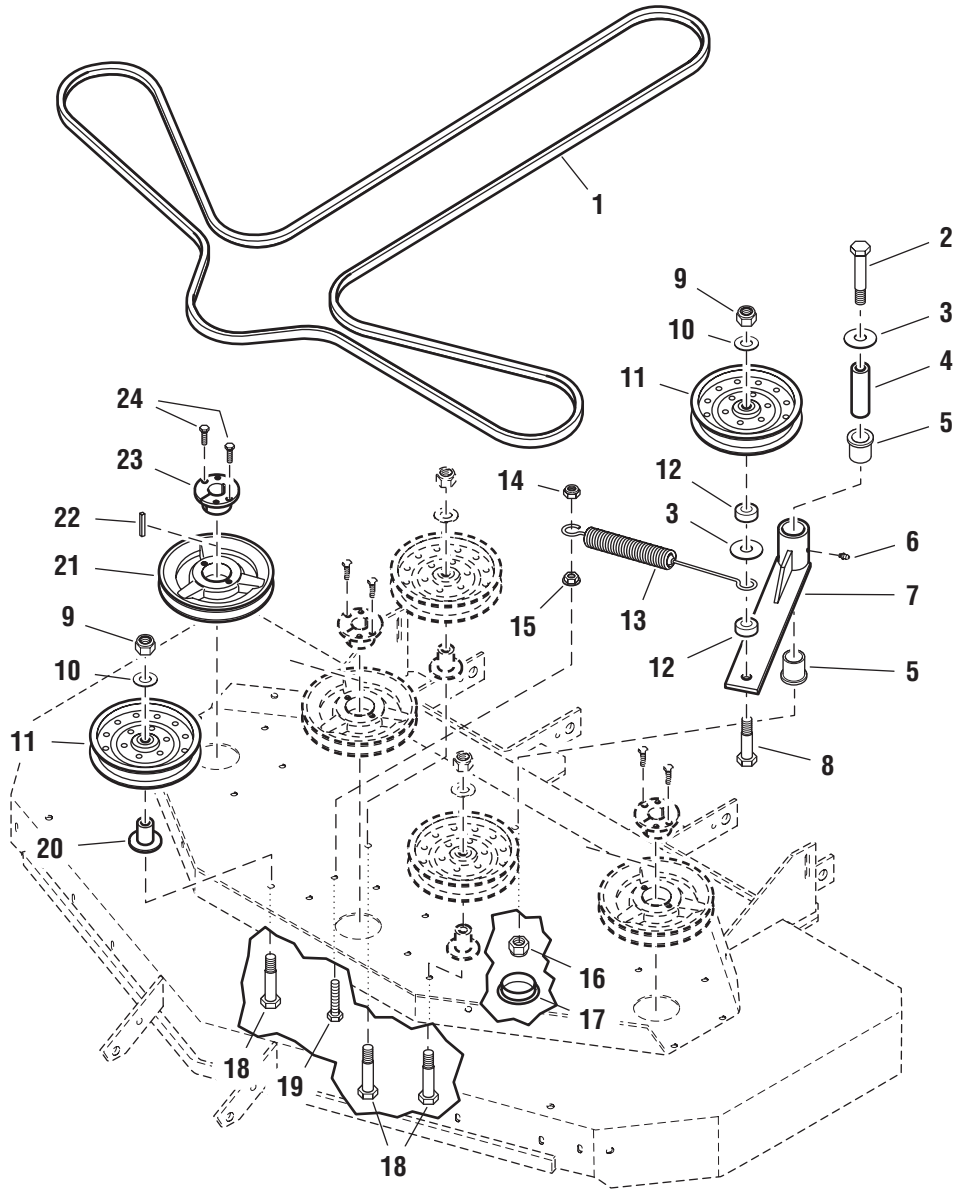
Footnotes:

The above parts group applies to the following Model Nos.:

5000/61R
5000/61RCE

61" Mower Deck - Pulleys, Belt & Idler Arm

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

5000/61R
5000/61RCE

61" Mower Deck - Pulleys, Belt & Idler Arm

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|--|
| 1 | 23123 | 1 | BELT |
| 2 | 25017-36 | 1 | CAPSCREW, Hex Head, 1/2-13 x 4-1/2 |
| 3 | 25150 | 2 | WASHER, USS, 1/2 |
| 4 | 45022 | 1 | SPACER, .52 x 1.00 x 3.50 |
| 5 | 21541 | 2 | BUSHING, Flange |
| 6 | 20095 | 1 | GREASE FITTING, 1/4-28 |
| 7 | 45019 | 1 | IDLER ARM |
| 8 | 25018-24 | 1 | CAPSCREW, Hex Head, 1/2-20 x 3 |
| 9 | 25098 | 2 | NUT, Hex Nylon Lock, 1/2-20 |
| 10 | 25158 | 4 | WASHER, 1/2 |
| 11 | 21976 | 4 | IDLER PULLEY |
| 12 | 45023 | 2 | SPACER, .52 x 1.00 x .44 |
| 13 | 23340 | 1 | SPRING, Extension, Swivel End |
| 14 | 25096 | 1 | NUT, Hex Nylon Lock, 3/8-16 |
| 15 | 25128 | 1 | NUT, Hex Serrated Flange, 3/8-16 |
| 16 | 25056 | 1 | NUT, Hex Nylon Lock, 1/2-13 |
| 17 | 22800 | 1 | HOLE PLUG |
| 18 | 25018-28 | 3 | CAPSCREW, Hex Head, 1/2-20 x 3-1/2 |
| 19 | 25058-14 | 1 | CAPSCREW, Hex Head, 3/8-16 x 1-3/4 TFL |
| 20 | 45024 | 3 | IDLER PULLEY MOUNT |
| 21 | 20815 | 3 | SPINDLE PULLEY |
| 22 | 22726 | 3 | KEY, 1/4 Sq. x 1-1/2 |
| 23 | 20819 | 3 | BUSHING, Taper Hub |
| 24 | 25010-8 | 6 | CAPSCREW, Hex Head, 1/4-20 x 1 |

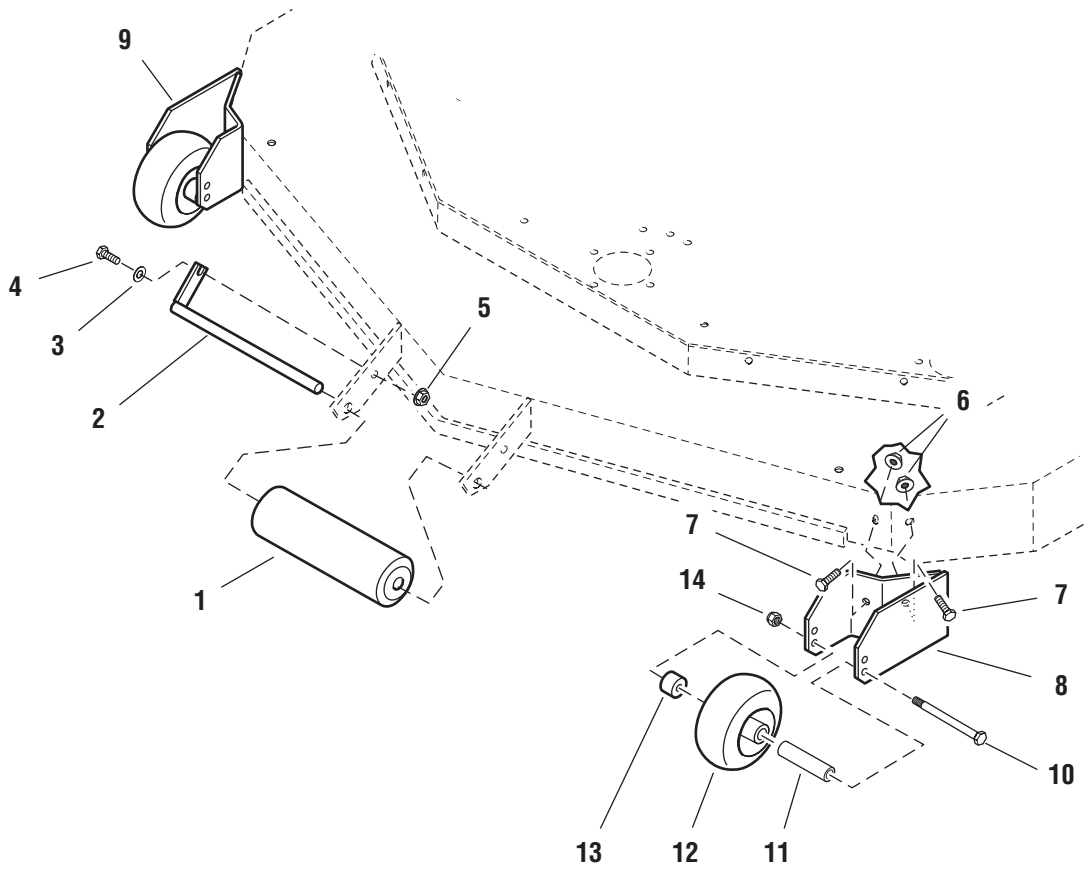
Footnotes:

The above parts group applies to the following Model Nos.:

5000/61R
5000/61RCE

61" Mower Deck - Rollers & Casters

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

5000/61R
5000/61RCE

61" Mower Deck - Rollers & Casters

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|------------------------------------|
| 1 | 20785 | 1 | ROLLER, Nose |
| 2 | 41655 | 1 | ROLLER PIN |
| 3 | 25155 | 1 | WASHER, 5/16 |
| 4 | 25011-8 | 1 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 5 | 25139 | 1 | NUT, Hex Serrated Flange, 5/16-18 |
| 6 | 25128 | 4 | NUT, Hex Serrated Flange, 3/8-16 |
| 7 | 25013-8 | 4 | CAPSCREW, Hex Head, 3/8-16 x 1 |
| 8 | 48537 | 1 | CASTER MOUNT-LH |
| 9 | 48536 | 1 | CASTER MOUNT-RH |
| 10 | 25013-36 | 2 | CAPSCREW, Hex Head, 3/8-16 x 4-1/2 |
| 11 | 45992 | 2 | WHEEL AXLE |
| 12 | 1716353 | 2 | WHEEL |
| 13 | 46446 | 2 | SPACER, .39 x 1.00 x .79 |
| 14 | 25096 | 2 | NUT, Hex Nylon Lock, 3/8-16 |

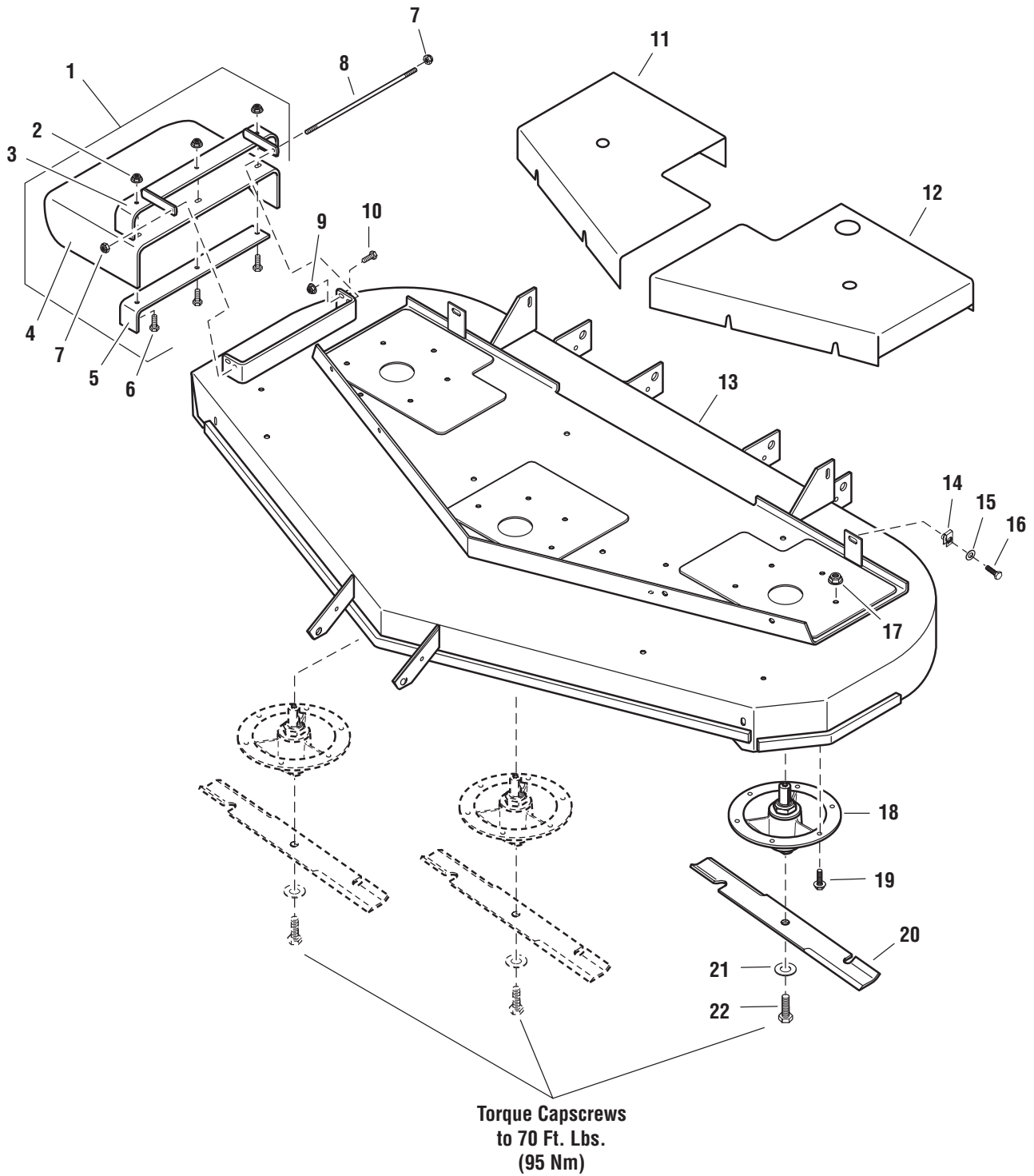
Footnotes:

The above parts group applies to the following Model Nos.:

5000/61R
5000/61RCE

72" Mower Deck - Housing, Covers, Spindles & Blades

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:
5000/72

72" Mower Deck - Housing, Covers, Spindles & Blades

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|--|
| 1 | 61288 | 1 | 61" RUBBER CHUTE ASSEMBLY, Complete (includes Ref No. 2 - 6) |
| 2 | 25394 | 3 | NUT, Hex Nylock Flange, 3/8-16 |
| 3 | 61293 | 1 | CHUTE FRAME |
| 4 | 61219 | 1 | RUBBER CHUTE |
| 5 | 61290 | 1 | CHUTE SUPPORT |
| 6 | 25013-10 | 3 | CAPSCREW, Hex Head, 3/8-16 x 1-1/4 |
| 7 | 25045 | 2 | NUT, Hex Nylon Lock, 5/16-24 |
| 8 | 61300 | 1 | CHUTE MOUNT ROD |
| 9 | 25392 | 13 | NUT, Hex Nylock Flange, 5/16-18 |
| 10 | 25011-8 | 1 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 11 | 61213 | 1 | SPINDLE COVER - RH |
| 12 | 61214 | 1 | SPINDLE COVER - LH |
| 13 | 61061 | 1 | 72" MOWER HOUSING |
| 14 | 22308 | 6 | BODY CLIP, 5/16-18 |
| 15 | 25155 | 6 | WASHER, 5/16 |
| 16 | 25011-6 | 6 | CAPSCREW, Hex Head, 5/16-18 x 3/4 |
| 17 | 25394 | 18 | NUT, Hex Nylock Flange, 3/8-16 |
| 18 | 49438 | 3 * | HERCULES™ SPINDLE ASSEMBLY, Complete |
| 19 | 25390-10 | 18 | CAPSCREW, Hex Flange Head, 3/8-16 x 1-1/4 |
| 20 | 22476 | 3 | BLADE, 25" |
| 21 | 25159 | 3 | WASHER, USS, 5/8 |
| 22 | 25320-14 | 3 | CAPSCREW, Hex Head, 5/8-11 x 1-3/4 |

Footnotes:

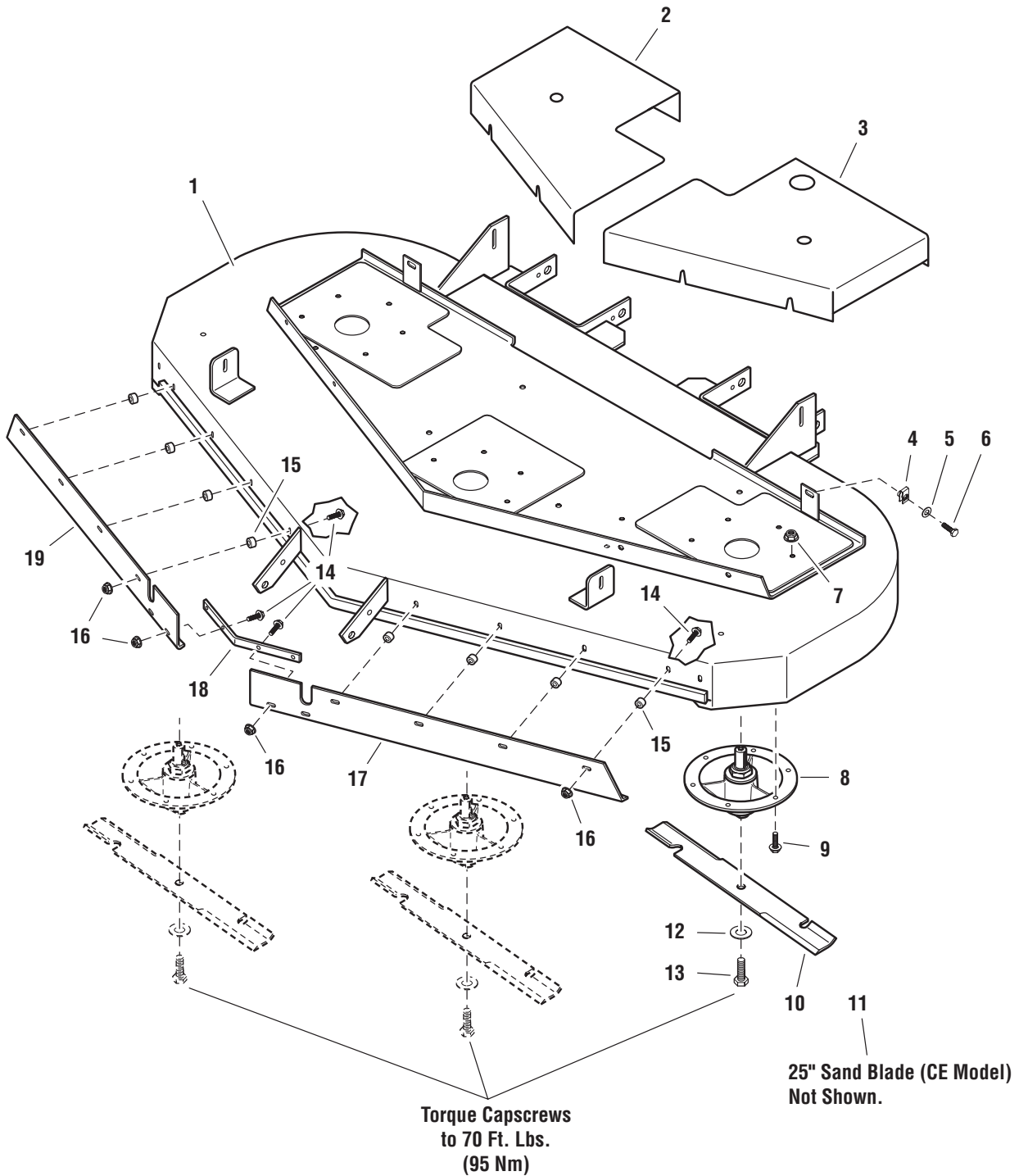
*** - See Spindle Service Parts for replacement components**

The above parts group applies to the following Model Nos.:

5000/72

72" Mower Deck - Housing, Covers, Spindles & Blades - Rear Discharge

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

5000/72R
5000/72RCE

72" Mower Deck - Housing, Covers, Spindles & Blades - Rear Discharge

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|--|
| 1 | 61069 | 1 | 72" MOWER HOUSING - REAR DISCHARGE |
| 2 | 61213 | 1 | DECK SHIELD - RH |
| 3 | 61214 | 1 | DECK SHIELD - LH |
| 4 | 22308 | 6 | BODY CLIP, 5/16-18 |
| 5 | 25155 | 6 | WASHER, 5/16 |
| 6 | 25011-6 | 6 | CAPSCREW, Hex Head, 5/16-18 x 3/4 |
| 7 | 25394 | 18 | NUT, Hex Nylock Flange, 3/8-16 |
| 8 | 49438 | 3 * | HERCULES™ SPINDLE ASSEMBLY, Complete |
| 9 | 25390-10 | 18 | CAPSCREW, Hex Flange Head, 3/8-16 x 1-1/4 |
| 10 | 22476 | 3 | BLADE, 25" |
| 11 | 23273 | 3 ** | BLADE, SAND, 25" |
| 12 | 25159 | 3 | WASHER, USS, 5/8 |
| 13 | 25320-14 | 3 | CAPSCREW, Hex Head, 5/8-11 x 1-3/4 |
| 14 | 23156 | 12 ** | CAPSCREW, Hex Flange Head, 5/16-18 x 1-1/4 |
| 15 | 47408 | 8 ** | SPACER, .39 x .75 x .50 |
| 16 | 25392 | 12 ** | NUT, Hex Nylock Flange, 5/16-18 |
| 17 | 61409 | 1 ** | BLOWOUT BAFFLE - LH |
| 18 | 61413 | 1 ** | BAFFLE REINFORCEMENT |
| 19 | 61408 | 1 ** | BLOWOUT BAFFLE - RH |

Footnotes:

* - See Spindle Service Parts for replacement components

** - Applies to CE model deck only.

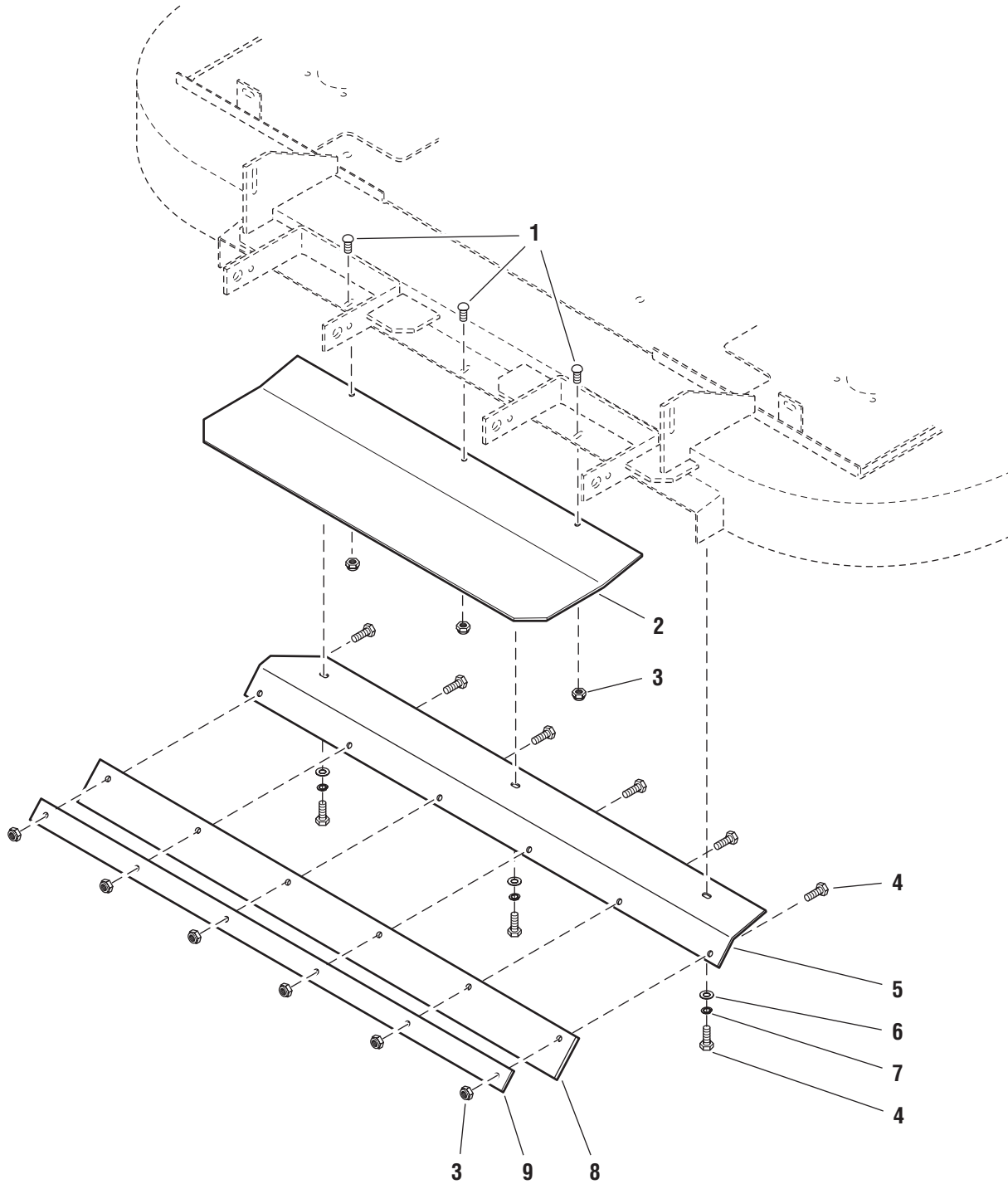
The above parts group applies to the following Model Nos.:

5000/72R

5000/72RCE

72" Mower Deck - Deflector & Shield - Rear Discharge

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

5000/72R
5000/72RCE

72" Mower Deck - Deflector & Shield - Rear Discharge

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---------------------------------|
| 1 | 25145-6 | 3 | CARRIAGE BOLT, 5/16-18 x 3/4 |
| 2 | 48418 | 1 | SHIELD |
| 3 | 25057 | 7 | NUT, Hex Nylon Lock, 5/16-18 |
| 4 | 25011-8 | 7 | CAPSCREW, Hex Head, 5/16-18 x 1 |
| 5 | 48469 | 1 | DEFLECTOR MOUNT |
| 6 | 25155 | 3 | WASHER, 5/16 |
| 7 | 25170 | 3 | LOCKWASHER, 5/16 |
| 8 | 48470 | 1 | RUBBER DEFLECTOR |
| 9 | 48471 | 1 | RETAINING PLATE |

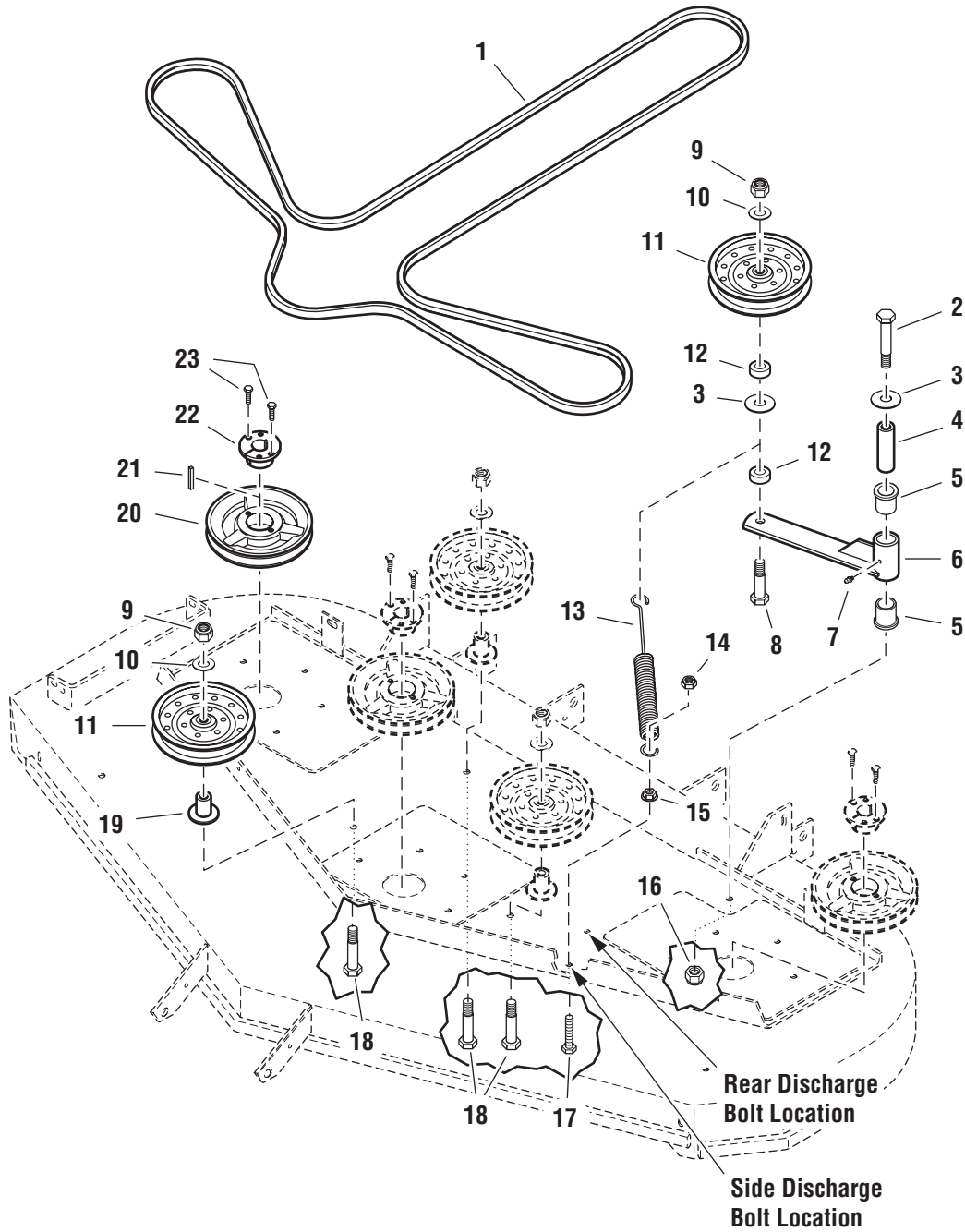
Footnotes:

The above parts group applies to the following Model Nos.:

5000/72R
5000/72RCE

72" Mower Deck - Belt, Pulleys & Idler Arm

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

5000/72
5000/72R
5000/72RCE

72" Mower Deck - Belt, Pulleys & Idler Arm

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|--|
| 1 | 22439 | 1 | BELT |
| 2 | 25017-36 | 1 | CAPSCREW, Hex Head, 1/2-13 x 4-1/2 |
| 3 | 25150 | 2 | WASHER, USS, 1/2 |
| 4 | 45022 | 1 | SPACER, .52 x 1.00 x 3.50 |
| 5 | 21541 | 2 | BUSHING, Flange |
| 6 | 20095 | 1 | GREASE FITTING, 1/4-28 |
| 7 | 45019 | 1 | IDLER ARM |
| 8 | 25018-24 | 1 | CAPSCREW, Hex Head, 1/2-20 x 3 |
| 9 | 25098 | 2 | NUT, Hex Nylon Lock, 1/2-20 |
| 10 | 25158 | 4 | WASHER, 1/2 |
| 11 | 21976 | 4 | IDLER PULLEY |
| 12 | 45023 | 2 | SPACER, .52 x 1.00 x .44 |
| 13 | 23340 | 1 | SPRING, Extension, Swivel End |
| 14 | 25096 | 1 | NUT, Hex Nylon Lock, 3/8-16 |
| 15 | 25128 | 1 | NUT, Hex Serrated Flange, 3/8-16 |
| 16 | 25056 | 1 | NUT, Hex Nylon Lock, 1/2-13 |
| 17 | 25058-14 | 1 | CAPSCREW, Hex Head, 3/8-16 x 1-3/4 TFL |
| 18 | 25018-28 | 3 | CAPSCREW, Hex Head, 1/2-20 x 3-1/2 |
| 19 | 45024 | 3 | IDLER PULLEY MOUNT |
| 20 | 22794 | 3 | SPINDLE PULLEY |
| 21 | 22726 | 3 | KEY, 1/4 Sq. x 1-1/2 |
| 22 | 20819 | 3 | BUSHING, Taper Hub |
| 23 | 25010-8 | 6 | CAPSCREW, Hex Head, 1/4-20 x 1 |

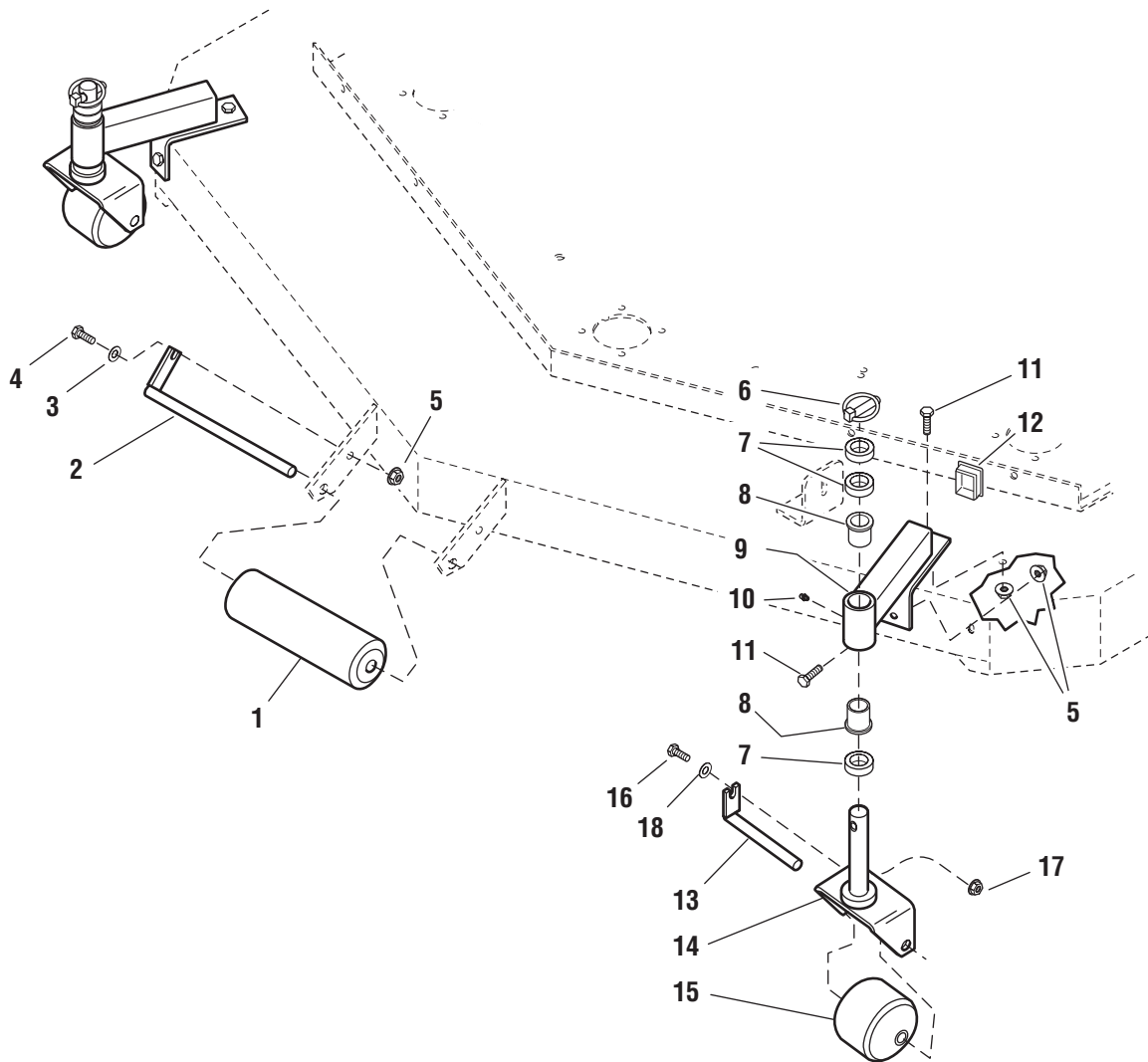
Footnotes:

The above parts group applies to the following Model Nos.:

5000/72
5000/72R
5000/72RCE

72" Mower Deck - Rollers & Casters

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

5000/72
5000/72R
5000/72RCE

72" Mower Deck - Rollers & Casters

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|-----------------------------------|
| 1 | 20785 | 1 | ROLLER, Nose |
| 2 | 41655 | 1 | ROLLER PIN |
| 3 | 25156 | 1 | WASHER, 3/8 |
| 4 | 25013-8 | 1 | CAPSCREW, Hex Head, 3/8-16 x 1 |
| 5 | 25128 | 5 | NUT, Hex Serrated Flange, 3/8-16 |
| 6 | 20655 | 2 | LYNCH PIN |
| 7 | 41476 | 6 | SPACER, 1.02 x 1.56 x .50 |
| 8 | 21541 | 4 | BUSHING, Flange |
| 9 | 46965 | 2 | CASTER MOUNT ARM |
| 10 | 20095 | 2 | GREASE FITTING |
| 11 | 25013-6 | 4 | CAPSCREW, Hex Head, 3/8-16 x 3/4 |
| 12 | 22098 | 2 | CAP, Plastic |
| 13 | 45034 | 2 | CASTER ROLLER PIN |
| 14 | 45188 | 2 | CASTER YOKE |
| 15 | 22060 | 2 | ROLLER, Caster |
| 16 | 25011-6 | 2 | CAPSCREW, Hex Head, 5/16-18 x 3/4 |
| 17 | 25127 | 2 | NUT, Hex Serrated Flange, 5/16-18 |
| 18 | 25292 | 2 | WASHER, GD 9, 5/16 |

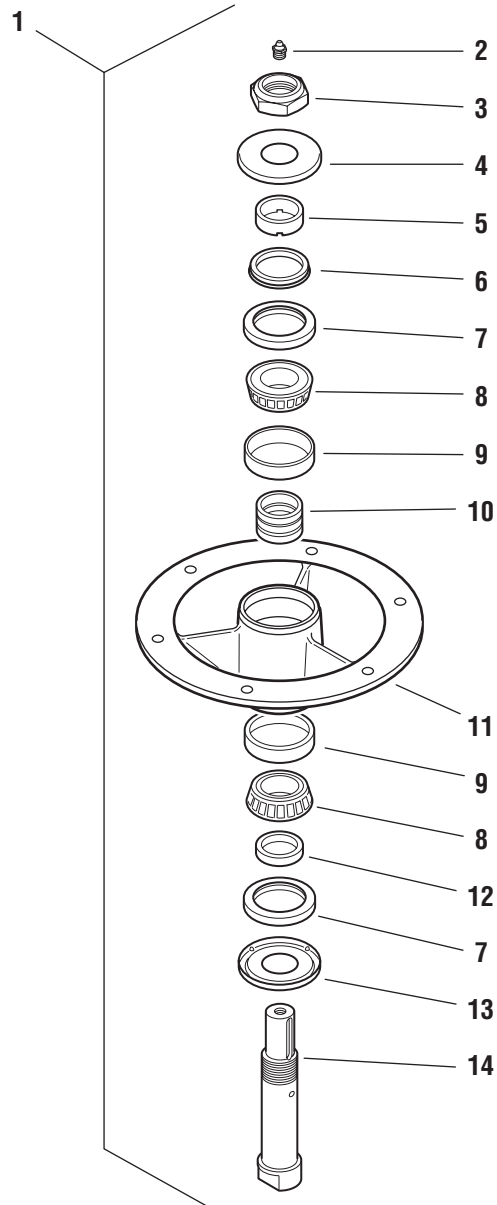
Footnotes:

The above parts group applies to the following Model Nos.:

5000/72
5000/72R
5000/72RCE

All Mower Decks - Spindle Service Parts

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

| | |
|------------|------------|
| 5000/72 | 5000/61R |
| 5000/72R | 5000/61RCE |
| 5000/72RCE | |

All Mower Decks - Spindle Service Parts

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|--|
| 1 | 49438 | 3 | HERCULES™ SPINDLE ASSEMBLY, Complete (includes Ref No. 2 - 14) |
| 2 | 23329 | 3 | GREASE FITTING |
| 3 | 23334 | 3 | NUT, Hex Jam Nylon Lock, 1-1/4 -12 |
| 4 | 49433 | 3 | TRASH SHIELD - TOP |
| 5 | 49435 | 3 | SPACER, 1.25 x 1.63 x .59 |
| 6 | 23306 | 3 | V-RING SEAL |
| 7 | 49445 | 6 | GREASE SEAL, DOUBLE LIP |
| 8 | 23333 | 6 | TAPER ROLLER BEARING, 1-1/4 |
| 9 | 23332 | 6 | BEARING CUP |
| 10 | 49436 | 3 | CRUSH SPACER |
| 11 | 49431 | 3 | SPINDLE HOUSING |
| 12 | 49768 | 3 | SPACER, 1.25 x 1.63 x .32 |
| 13 | 49434 | 3 | TRASH SHIELD - BOTTOM |
| 14 | 49432 | 3 | SPINDLE SHAFT |

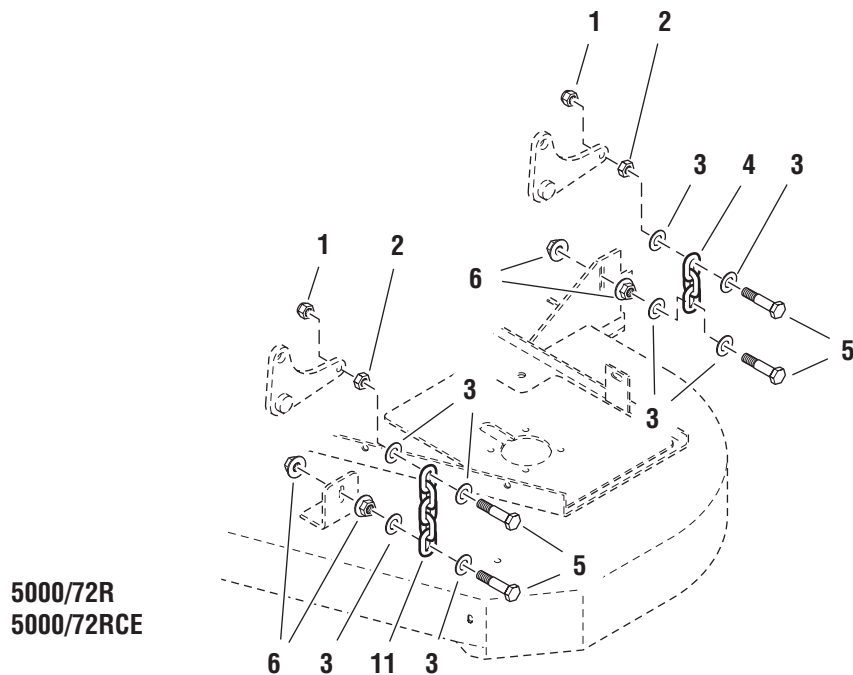
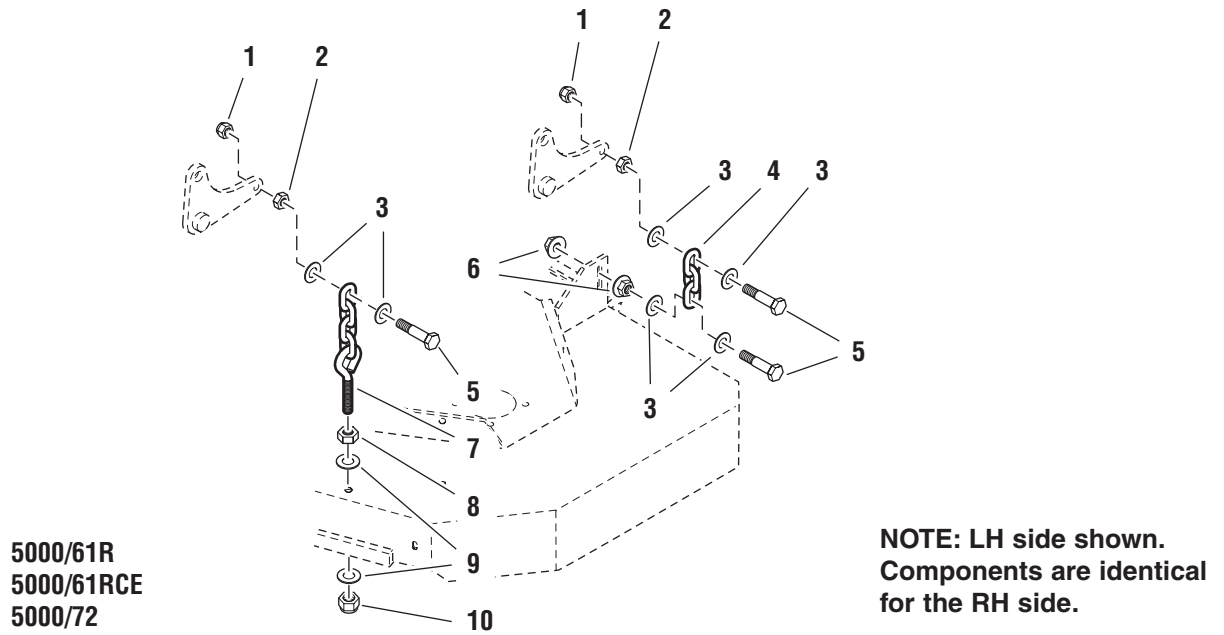
Footnotes:

The above parts group applies to the following Model Nos.:

| | |
|------------|------------|
| 5000/72 | 5000/61R |
| 5000/72R | 5000/61RCE |
| 5000/72RCE | |

All Mower Decks - Hanger Chains

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



The above parts group applies to the following Model Nos.:

| | |
|------------|------------|
| 5000/72 | 5000/61R |
| 5000/72R | 5000/61RCE |
| 5000/72RCE | |

All Mower Decks - Hanger Chains

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|---------|----------|------|------------------------------------|
| 1 | 25096 | 4 | NUT, Hex Nylon Lock, 3/8-16 |
| 2 | 25084 | 4 | NUT, Hex Jam, 3/8-16 |
| 3 | 25156 | 12 | WASHER, 3/8 |
| 4 | 50878-3 | 2 | CHAIN, 3 LINKS |
| 5 | 25013-14 | 6 | CAPSCREW, Hex Head, 3/8-16 x 1-3/4 |
| 6 | 25128 | 4 | NUT, Hex Serrated Flange, 3/8-16 |
| 7 | 45026 | 2 | FRONT HANGER ASSEMBLY |
| 8 | 25038 | 2 | NUT, Hex, 1/2-13 |
| 9 | 25158 | 4 | WASHER, 1/2 |
| 10 | 25056 | 2 | NUT, Hex Nylon Lock, 1/2-13 |
| 11 | 50878-5 | 2 | CHAIN, 5 LINKS |

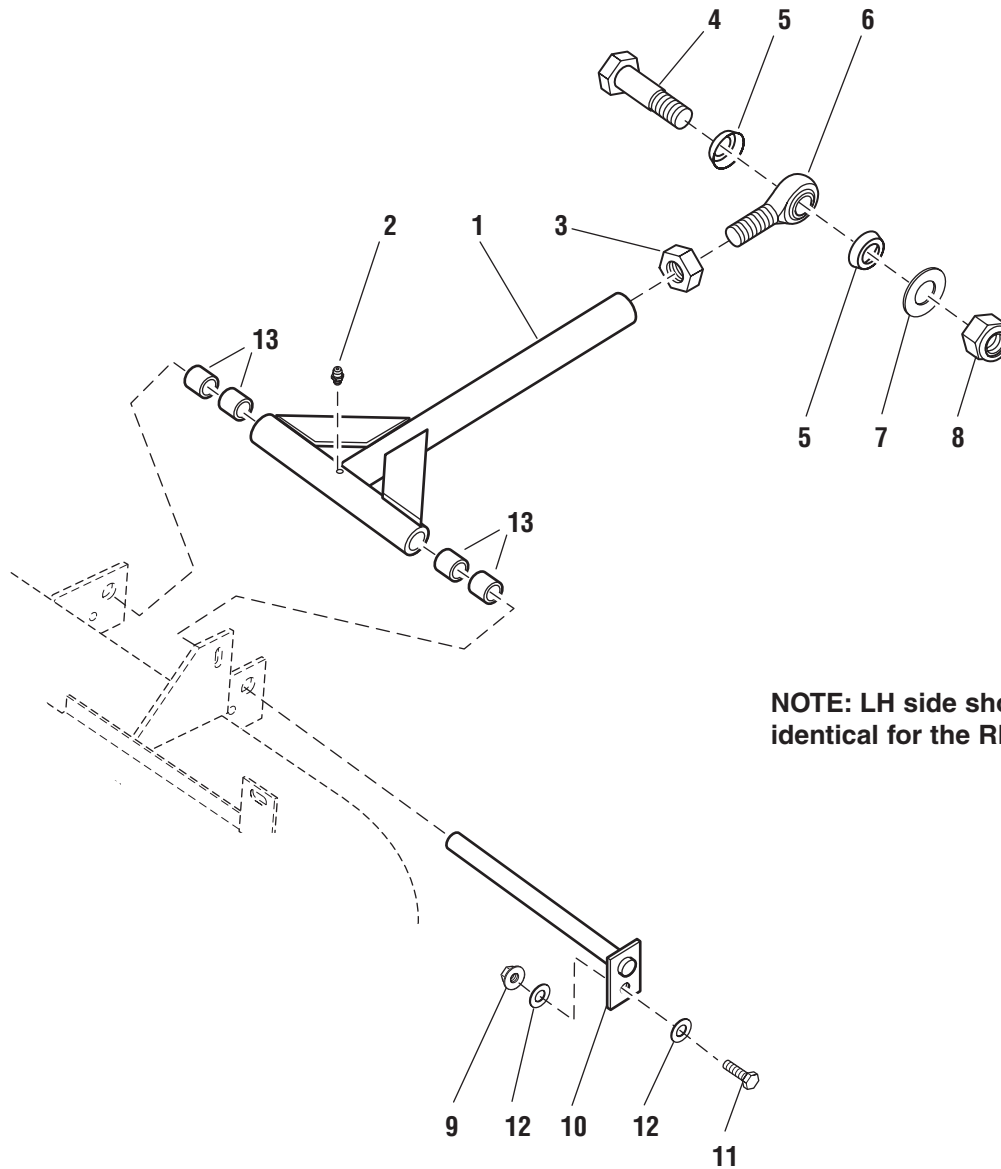
Footnotes:

The above parts group applies to the following Model Nos.:

| | |
|------------|------------|
| 5000/72 | 5000/61R |
| 5000/72R | 5000/61RCE |
| 5000/72RCE | |

All Mower Decks - Rear Mount Bars

NOTE: Unless noted otherwise,
use the standard hardware torque
specification chart.



NOTE: LH side shown. Components are
identical for the RH side.

The above parts group applies to the following Model Nos.:

| | |
|------------|------------|
| 5000/72 | 5000/61R |
| 5000/72R | 5000/61RCE |
| 5000/72RCE | |

All Mower Decks - Rear Mount Bars

| REF NO. | PART NO. | QTY. | DESCRIPTION |
|----------------|-----------------|-------------|---|
| 1 | 45009 | 2 | DECK PUSHER BAR, Complete (includes Ref No. 13) |
| 2 | 20095 | 2 | GREASE FITTING |
| 3 | 25093 | 2 | NUT, Hex Jam, 3/4-16 |
| 4 | 25265-24 | 2 | CAPSCREW, Hex Head, 3/4-16 x 3 |
| 5 | 22111 | 4 | ROD END SEAL |
| 6 | 22039 | 2 | BALL JOINT, 3/4-16 |
| 7 | 25160 | 2 | WASHER, 3/4 |
| 8 | 25284 | 2 | NUT, Hex Nylon Lock, 3/4-16 |
| 9 | 25096 | 2 | NUT, Hex Nylon Lock, 3/8-16 |
| 10 | 45037 | 2 | PUSHER BAR MOUNT PIN |
| 11 | 25013-10 | 2 | CAPSCREW, Hex Head, 3/8-16 x 1-1/4 |
| 12 | 25156 | 4 | WASHER, 3/8 |
| 13 | 23344 | 8 | BUSHING (4 per pusher bar) |

Footnotes:

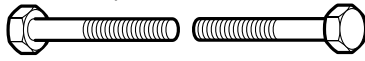
The above parts group applies to the following Model Nos.:

| | |
|------------|------------|
| 5000/72 | 5000/61R |
| 5000/72R | 5000/61RCE |
| 5000/72RCE | |

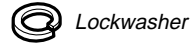
Hardware Identification & Torque Specifications

Common Hardware Types

Hex Head Capscrew



Washer



Lockwasher

Carriage Bolt



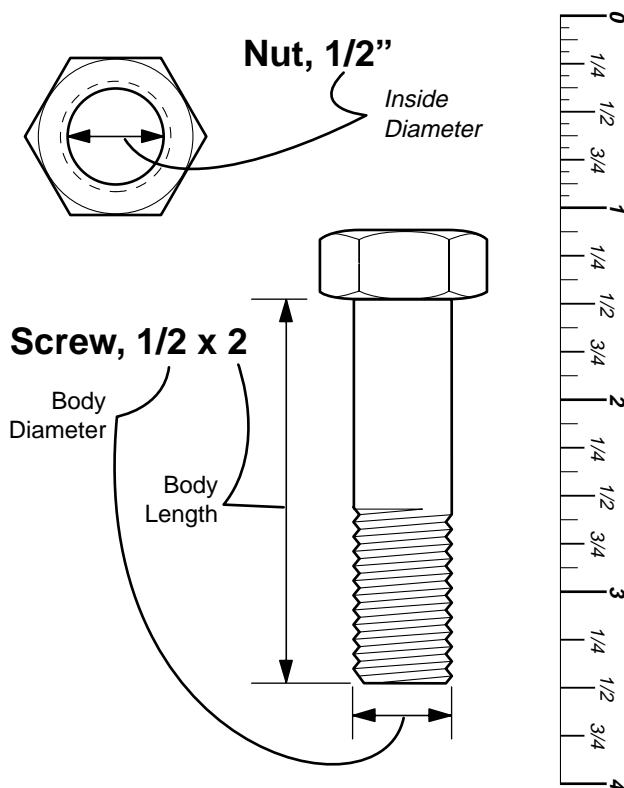
Hex Nut

Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represents the *threads per inch*.

When a bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example), and the final number is the *body length* of the bolt or screw (2 inches long in this example).

The guides and ruler furnished below are designed to help you select the appropriate hardware and tools.



| Torque Specification Chart | | | | | | |
|---|-------------------------|-------|------------------|-------|------------------|---------|
| FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%) | | | | | | |
| Hardware Grade | No Marks SAE Grade 2 | | SAE Grade 5 | | SAE Grade 8 | |
| | in/lbs ft/lbs | Nm. | in/lbs ft/lbs | Nm. | in/lbs ft/lbs | Nm. |
| 8-32 | 19 | 2.1 | 30 | 3.4 | 41 | 4.6 |
| 8-36 | 20 | 2.3 | 31 | 3.5 | 43 | 4.9 |
| 10-24 | 27 | 3.1 | 43 | 4.9 | 60 | 6.8 |
| 10-32 | 31 | 3.5 | 49 | 5.5 | 68 | 7.7 |
| 1/4-20 | 66 | 7.6 | 8 | 10.9 | 12 | 16.3 |
| 1/4-28 | 76 | 8.6 | 10 | 13.6 | 14 | 19.0 |
| 5/16-18 | 11 | 15.0 | 17 | 23.1 | 25 | 34.0 |
| 5/16-24 | 12 | 16.3 | 19 | 25.8 | 27 | 34.0 |
| 3/8-16 | 20 | 27.2 | 30 | 40.8 | 45 | 61.2 |
| 3/8-24 | 23 | 31.3 | 35 | 47.6 | 50 | 68.0 |
| 7/16-14 | 30 | 40.8 | 50 | 68.0 | 70 | 95.2 |
| 7/16-20 | 35 | 47.6 | 55 | 74.8 | 80 | 108.8 |
| 1/2-13 | 50 | 68.0 | 75 | 102.0 | 110 | 149.6 |
| 1/2-20 | 55 | 74.8 | 90 | 122.4 | 120 | 163.2 |
| 9/16-12 | 65 | 88.4 | 110 | 149.6 | 150 | 204.0 |
| 9/16-18 | 75 | 102.0 | 120 | 163.2 | 170 | 231.2 |
| 5/8-11 | 90 | 122.4 | 150 | 204.0 | 220 | 299.2 |
| 5/8-18 | 100 | 136 | 180 | 244.8 | 240 | 326.4 |
| 3/4-10 | 160 | 217.6 | 260 | 353.6 | 386 | 525.0 |
| 3/4-16 | 180 | 244.8 | 300 | 408.0 | 420 | 571.2 |
| 7/8-9 | 140 | 190.4 | 400 | 544.0 | 600 | 816.0 |
| 7/8-14 | 155 | 210.8 | 440 | 598.4 | 660 | 897.6 |
| 1-8 | 220 | 299.2 | 580 | 788.8 | 900 | 1,244.0 |
| 1-12 | 240 | 326.4 | 640 | 870.4 | 1,000 | 1,360.0 |

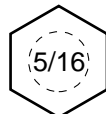
NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - For prevailing torque locknuts: use 65% of Grade 5 torque.
 - For flange whizlock nuts and screws: use 135% of Grade 5 torque.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

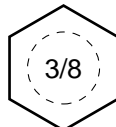
Wrench & Fastener Size Guide



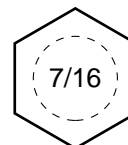
1/4" Bolt or Nut
Wrench—7/16"



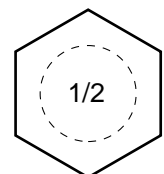
5/16" Bolt or Nut
Wrench—1/2"



3/8" Bolt or Nut
Wrench—9/16"



7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"



1/2" Bolt or Nut
Wrench—3/4"

PARTS MANUAL

IS5000Z Series

Zero-Turn Riding Mower

Tractor Serial No. 1226 & above

Mower Serial No. 1210 & above

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