



Kubota SVL95-2S Oil Cooler Cab Mount Kit

Installation Instructions
(Originating with Oil Cooler
Serial Number 50-665)



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Dealer Information

Some components of the Universal Hydraulic Oil Cooler Cab Mount Kit for the Kubota SVL95-2S are shipped disassembled and need to be removed from their shipping positions, assembled, and secured in their operating position before being delivered to the owner.

To ensure safe and proper set-up of the oil cooler cab mount kit, it is mandatory that you thoroughly study this manual and follow its recommendations and information. Proper assembly is essential to prevent injury or damage and to maximize the life of the oil cooler.

For specific operating and maintenance instructions, specifications, and serviceable parts for the Loftness Universal Oil Cooler, refer to the Owner's Manual (N14882) that is shipped with each cooler, or visit www.loftness.com for an electronic file of the manual.

Continuous improvement and advancement of Loftness products may result in changes to this equipment that may not be reflected in this publication. Loftness reserves the right to make product improvements to the oil cooler cab mount kit at any time. Although great care has been taken to ensure the accuracy of this publication, Loftness does not assume any liability for errors or omissions.

Dealer Responsibility

Assemble and set up the oil cooler cab mount kit in a safe manner and in accordance with all applicable local, state, and federal codes, regulations and/or laws, and in compliance with on-product labeling and these instructions.

Make sure that all personnel employed to set up and assemble the oil cooler cab mount kit:

- has read this manual and thoroughly understands safe and correct installation procedures.
- is familiar with the oil cooler and track loader.
- has a full understanding of the tools and/or equipment used to set up the oil cooler cab mount kit, such as hoists, power tools, etc.

Make sure the oil cooler cab mount kit is installed correctly before being placed into service.

Fulfill and assist the owner with all warranty obligations so as not to void the warranties. The warranty policy included in the Owner's Manual for the oil cooler outlines the warranty policy of Loftness.

Safety Instructions

Safety First

Accidents can be prevented by recognizing the causes or hazards before an accident occurs and doing something about them. Regardless of the care used in the design and construction of the oil cooler cab mount kit, there are some areas that cannot be safeguarded without interfering with accessibility and efficient operation.



Safety Alert Symbol

This message alert symbol identifies important safety messages on the product and in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

In this manual and on decals used on the oil cooler the words **DANGER**, **WARNING**, **CAUTION**, **IMPORTANT**, and **NOTE** are used to indicate the following:

DANGER: This word warns of immediate hazards which, if not avoided, will result in severe personal injury or death. The color associated with Danger is RED.



WARNING: This word refers to a potentially hazardous situation which, if not avoided, could result in severe personal injury or death. The color associated with Warning is ORANGE.

CAUTION: This word refers to a potentially hazardous or unsafe situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

IMPORTANT: Highlights information that must be heeded.

NOTE: A reminder of other related information that needs to be considered.

If Safety Decals on the oil cooler are ISO two panel pictorial, decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW.
- Prohibition symbols such as  and  if used, are RED.

Be certain all assemblers are aware of the dangers indicated by safety decals applied to the oil cooler, and be certain they follow all safety decal instructions. Contact Loftness for safety decal replacement.

Loftness cannot anticipate every possible circumstance that may involve a potential hazard. The warnings in this manual are not all inclusive.

Safety Rules

These are general safety considerations. Additional precautions may be necessary to set up the oil cooler cab mount kit in a safe manner. Be certain you are operating your equipment and tools in accordance with all safety codes, OSHA rules and regulations, insurance requirements and local, state, and federal laws while setting up this Loftness unit.

Set-up Safety

- Disconnect battery connections before beginning the installation.
- Do not allow anyone to set up and/or assemble the oil cooler cab mount kit until he or she has read the dealer set-up manual and is completely familiar with all safety precautions.
- Become familiar with the safety decals on the oil cooler.
- Do not allow inexperienced persons unfamiliar with the track loader, or the tools/equipment used to set up the oil cooler cab mount kit, to perform any set up procedures.
- Do not allow persons under the influence of alcohol, medications, or other drugs that can impair judgment or cause drowsiness to set up the oil cooler cab mount kit.
- Make sure the set-up area is clear of any distracting objects. Keep work areas clean and free of grease and oil to avoid slipping or falling.

Safety Rules (Cont'd)

- Keep children, bystanders and other workers away from the unit while being set up.
- Wear safety glasses, ear protection, respirators, gloves, hard hats, safety shoes and other protective clothing when required.
- It is the dealer's responsibility to be aware of work area hazards when assembling the oil cooler cab mount kit.
- Do not replace components or parts with other than factory-supplied parts. To do so may decrease the effectiveness of the oil cooler. If you notice any missing or damaged parts contact Loftness immediately.
- Never attempt to make any adjustments to the oil cooler cab mount kit if the engine is running or the key is in the "ON" position in the track loader. Before leaving the operator's position, disengage power to the track loader and remove ignition key.

Hoist (Lifting) Safety

During maneuvering and set-up, it is recommended that a power hoist, or lift, be used to lift the cooler cab mount kit assembly into the operating position.

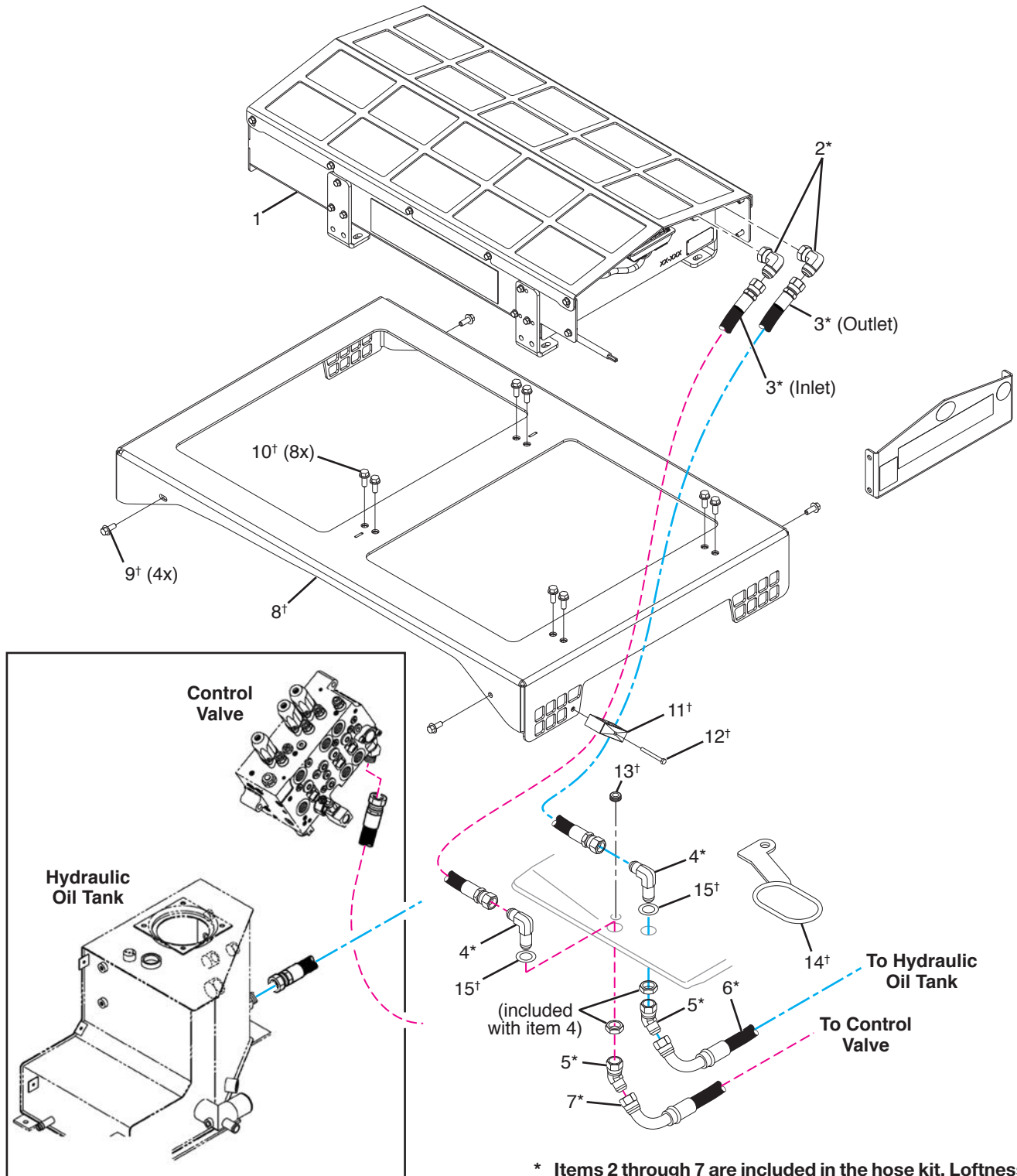
- Make sure the lifting device (hoist or heavy equipment) is capable of lifting the specified parts and/or assemblies.
- All personnel must be properly trained and experienced lift operators.

Hydraulic Safety

- The hydraulic system is under high pressure. Make sure all lines and fittings are tight and in good condition. These fluids escaping under high pressure can have sufficient force to penetrate skin and cause serious injury.
- Never check for leaks by using any part of your body to feel for escaping fluid.
- Always use a piece of wood to check for leaks.

Options

Universal Oil Cooler Kit (Kubota SVL95-2S) Options



* Items 2 through 7 are included in the hose kit, Loftness part number N49253.

† Items 8 through 15 are included in the cooler cab mount kit, Loftness part number N49252.

Universal Oil Cooler Kit (Kubota SVL95-2S) Options

| # | QTY. | PART # | DESCRIPTION |
|-----|------|--------|--|
| 1 | 1 | 201760 | OIL COOLER, FINAL ASSEMBLY |
| 2* | 2 | N19270 | ELBOW, 90 DEG - 16MJIC - 16F JC |
| 3* | 2 | N49285 | HOSE, 1" X 84" - AX16 - 106HY - 12 - 16 -106HY - 16 - 16 |
| 4* | 2 | N49307 | FITTING, MJIC - BULKHEAD - 90 DEG |
| 5* | 2 | N25881 | ELBOW, 45 DEG - 12MJIC - 12FJX |
| 6* | 1 | N49381 | HOSE, 3/4" X 88" AX12 - 106HY - 12 - 12 - 139HY - 12 -12 |
| 7* | 1 | N49380 | HOSE, 3/4" X 86" AX12 - 106HY - 12 - 12 - 139HY - 12 -12 |
| 8† | 1 | 201881 | KUBOTA SVL 95-2S CAB WLDMT |
| 9† | 4 | N49310 | BOLT, 12MMX1.25X30MM FLG |
| 10† | 8 | N18360 | BOLT, 1/2-13 X 1-1/4 SER FLG |
| 11† | 1 | N49250 | WELD-MOUNT CLAMP 1.5" |
| 12† | 1 | 4004 | BOLT, 5/16" X 3" GRADE 5 |
| 13† | 1 | N19297 | GROMMET-RUBBER |
| 14† | 1 | 203007 | BRACKET, HOSE 2 - KUBOTA |
| 15† | 2 | 205030 | FLATWASHER, 1IN ID X 2IN OD |

* Items 2 through 7 are included in the hose kit, Loftness part number N49253.

† Items 8 through 15 are included in the cooler cab mount kit, Loftness part number N49252.

Installation Instructions

Set-up

Park the track loader on a firm, flat and level surface.

Lower the lift arms to the ground and stop the engine.



WARNING: *Crushing hazard. Death or serious injury can result from falling lift arm and/or attachment.*

Shut down and lock out power to the track loader.

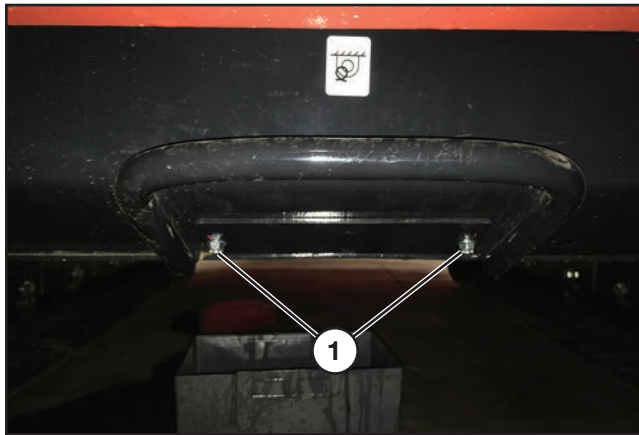


WARNING: *Failure to shut down and lock out power could result in serious injury, or death.*

Draining Hydraulic Oil

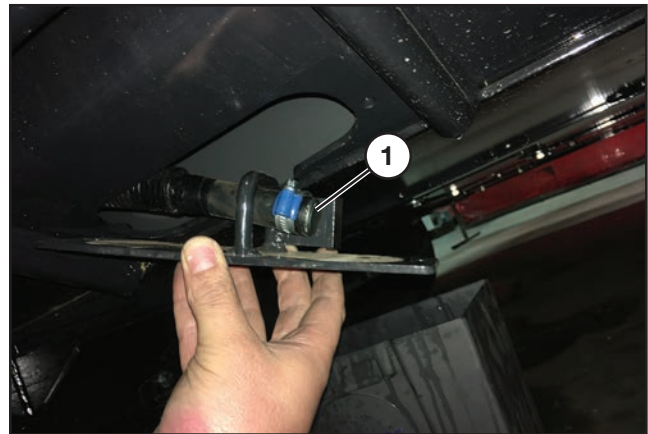
Several hoses and other hydraulic components will be disconnected during the installation procedure. The hydraulic oil in the Kubota SVL95-2S will need to be drained to avoid excessive leaks and spills.

IMPORTANT: *The procedure written below provides basic hydraulic oil draining instructions. Refer to your Kubota SVL95-2S Owner's manual for more detailed draining instructions.*



Remove the two bolts (1) securing the cover to the bottom of the track loader and lower the cover.

Provide a container or other collection device for the hydraulic oil to drain into.



Remove the drain plug (1) and drain the hydraulic oil.

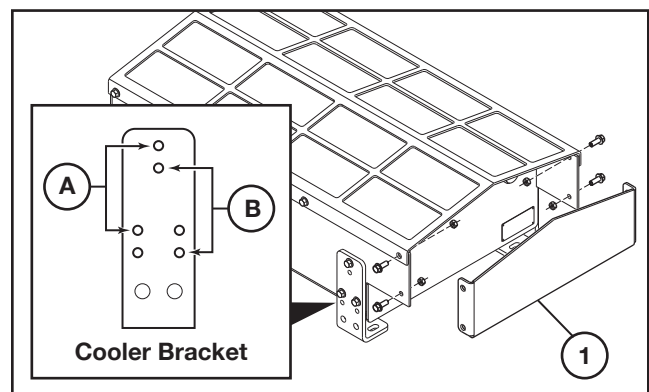
NOTE: *The Kubota SVL95-2S contains approximately 8 gallons (30.28 liters) of hydraulic oil in tank.*

Disconnect Battery



CAUTION: *Disconnect battery connections before beginning the cab kit installation. Failure to do so could result in electric shock, fire, or damage to the oil cooler.*

Mounting the Oil Cooler to the Cooler Frame



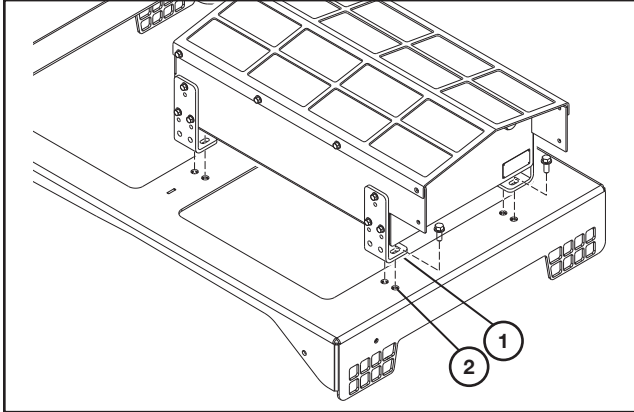
While the oil cooler is still on the ground, remove the back cover (1). This allows for easier access to the hydraulic fittings when connecting the hydraulic hoses.

Insert bolts into the upper set of holes (hole set A) on the cooler brackets when mounting to the oil cooler. Make sure all bolts are tightened.

(Procedure continued on following page.)

Installation Instructions

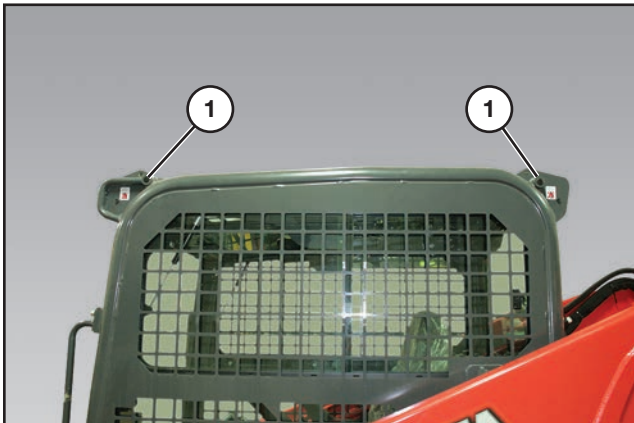
Mounting the Oil Cooler to the Cooler Frame (Cont'd)



Using a hoist, lift the oil cooler and place on top of the cooler mounting frame. Align the slotted holes (1) in the mounting brackets to the holes (2) in the mounting frame.

Secure using 1/2"-13 x 1-1/4" bolts supplied with the kit. Two bolts at each bracket (8 total).

Mounting the Frame and Oil Cooler to the Cab



Remove the two plugs (1) on each side of the cab (4 total). The bolts that mount the oil cooler frame to the cab will be inserted here.



WARNING: The cooler mounting frame and oil cooler are heavy. It is recommended that a power hoist be used to lift and place the assembly into position.



Lift the oil cooler with frame and place into position on top of the track loader cab.

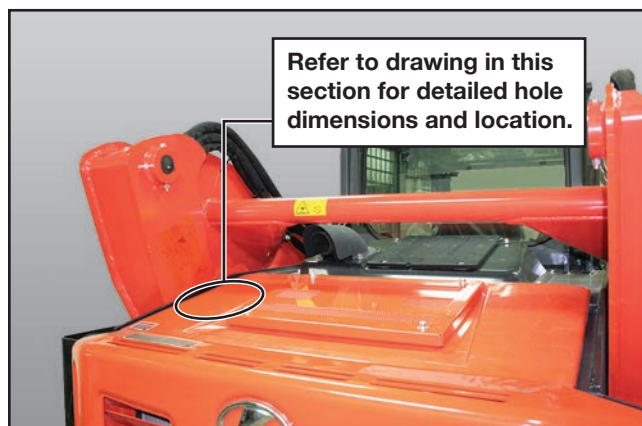
Align the holes in the cooler mounting frame (1) with the holes in the cab.



Use the four 1-1/4" x 30 mm bolts (supplied with kit) to secure the frame at each corner.

Installation Instructions

Drilling Routing Holes in Rear Hood



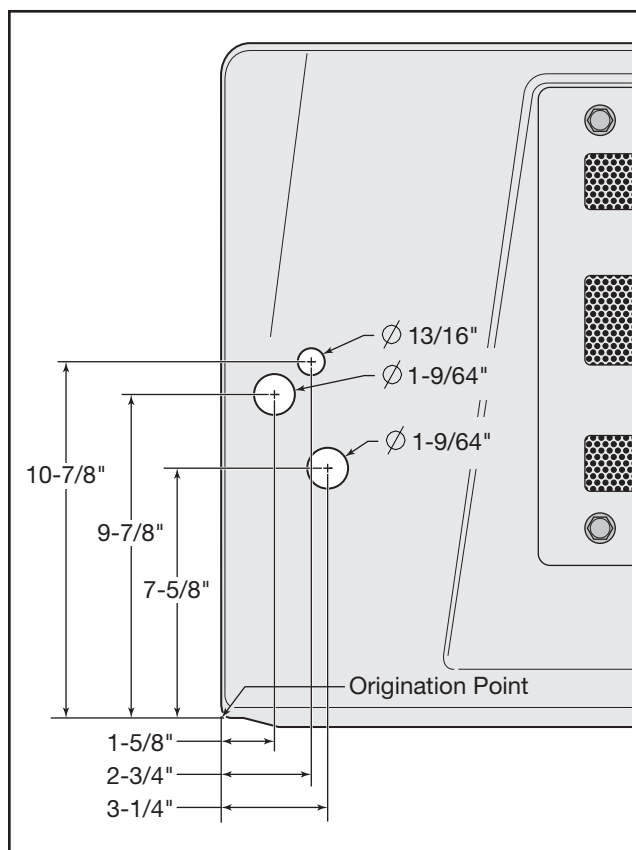
Holes must be drilled in the area shown above on the rear hood of the track loader for bulkhead fittings used with the oil cooler hydraulic system, and for the wiring harness.

Refer to the drawing to the right for accurate hole dimensions and locations.



CAUTION: Make sure to follow the drawing below for hole size/location exactly as shown. Inaccurate hole placement may cause the hoses and wiring harness to interfere with the hinge and other components, making it difficult or impossible to close the rear hood.

IMPORTANT: Before drilling, make sure there is nothing above or below the rear hood that could be damaged when drilling. The rear hood can remain on the track loader when drilling and does not need to be removed.

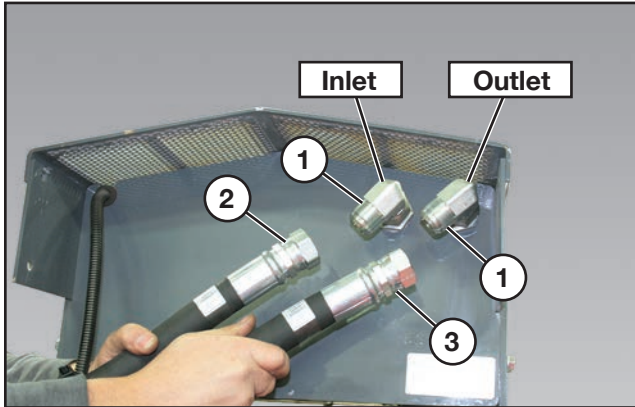


IMPORTANT: Make sure all dimensions originate from the point shown in the drawing above.

Installation Instructions

Oil Cooler Hydraulic Connections

NOTE: Before making hydraulic connections to the oil cooler, cut the shipping zip ties securing the wiring harness to the cooler and move the harness off to the side.



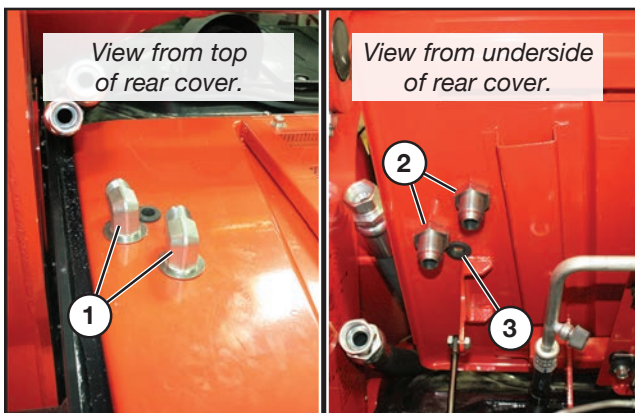
Connect the two elbow fittings (1) to the oil cooler INLET and OUTLET ports and position at the angle shown above.

Connect one end of the INLET hose (2) supplied with the kit to the INLET fitting on the oil cooler. Tighten.

Connect one end of the OUTLET hose (3) supplied with the kit to the OUTLET fitting on the oil cooler. Tighten.

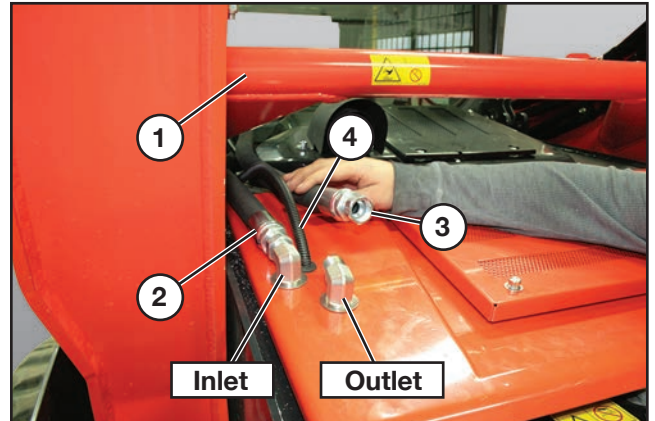
NOTE: Keep hoses to the left-rear corner of the cab. They will be secured later.

Open the engine compartment at rear of the track loader.



Place the two 90 degree bulkhead fittings (1) into the two large holes. Position the fittings at the angle shown on the left in the photo above. Add nuts (2). Tighten.

Add the grommet (3) for the wiring harness.



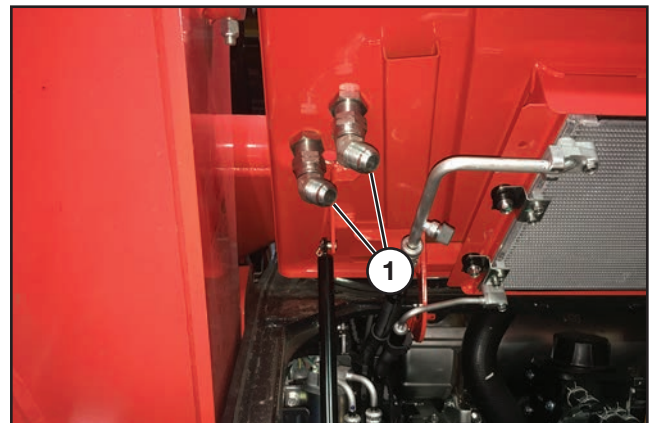
Make sure the hydraulic hoses from the oil cooler route underneath the cross brace (1) on track loader.

IMPORTANT: Avoid any potential pinch points or sharp turns that could cut or wear on the hoses or wiring harness.

Connect INLET hose (2). Tighten.

Connect OUTLET hose (3). Tighten.

Run the oil cooler wiring harness (4) through the grommet.



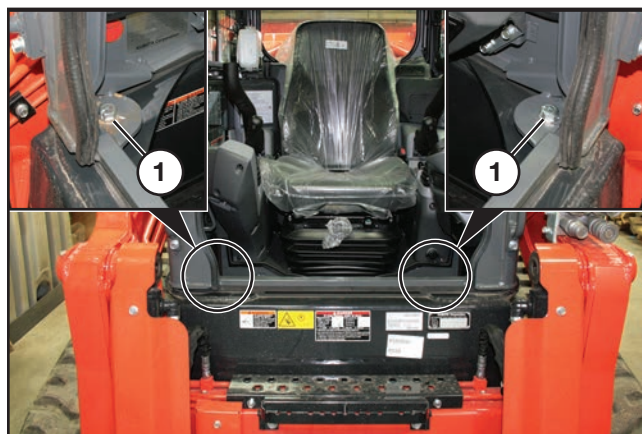
Connect the two 45 degree fittings (1). Position as shown above. Tighten.

Installation Instructions

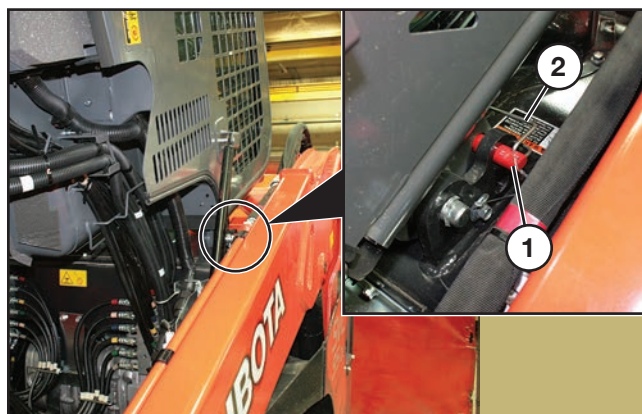
Tilting Cab



WARNING: Do not raise or lower the cab while the engine is running as it may move, cause the machine to become unstable, resulting in serious injury or death. Always lower the working parts of the machine to the ground and stop the engine before attempting to raise or lower the cabin.



Remove the two bolts (1) inside the cab.



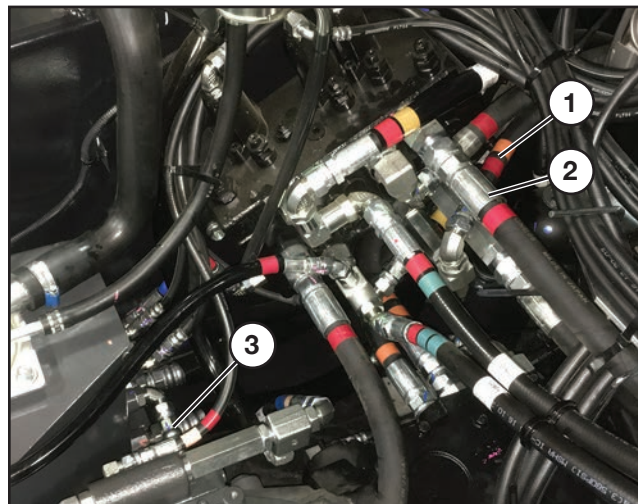
Tilt cab back, insert pin (1) and secure with retaining clip (2).



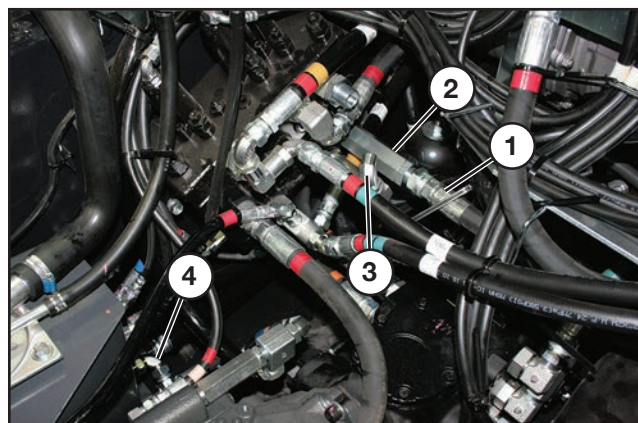
WARNING: Failure to add the securing pin could cause the cab to fall back into position, causing serious injury or death to those working underneath the cab, or nearby.

Hydraulic Connections

NOTE: Before disconnecting hoses and fittings in the following procedure, mark and/or label each to ensure they are reconnected back into the correct location later on in the installation.



Disconnect hoses shown above (1, 2, and 3).



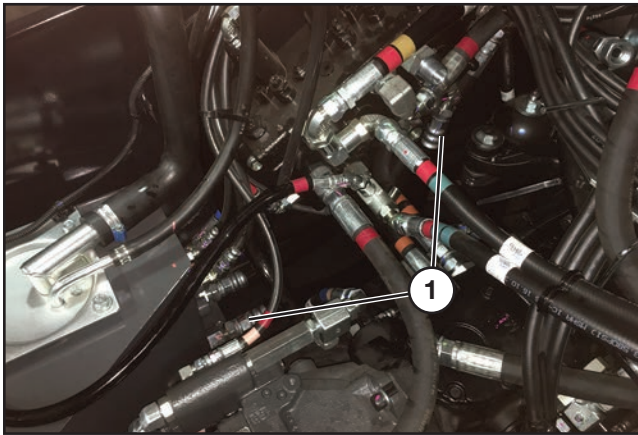
Remove the hydraulic hose (1), extension (2), extension with elbow fitting (3), and elbow fitting (4). Set aside.

Disconnecting these hoses and fittings allows access to connection points for the new oil cooler cab mount kit hoses. They will be reconnected later in the installation.

(Procedure continued on following page.)

Installation Instructions

Hydraulic Connections (Cont'd)

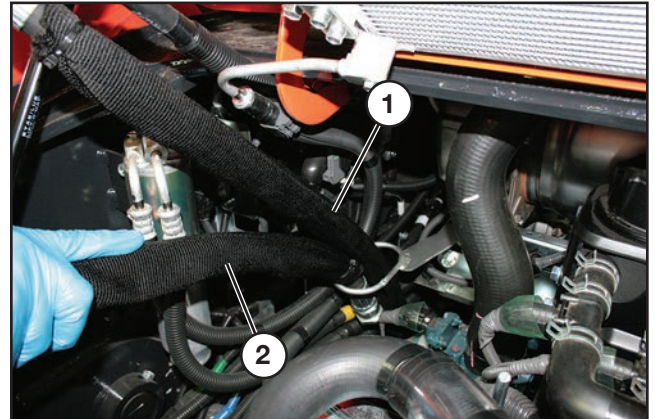


Remove return hose (1) at each end shown above. This hose will no longer be used. Hoses for the oil cooler cab mount kit will be connected in these two locations.

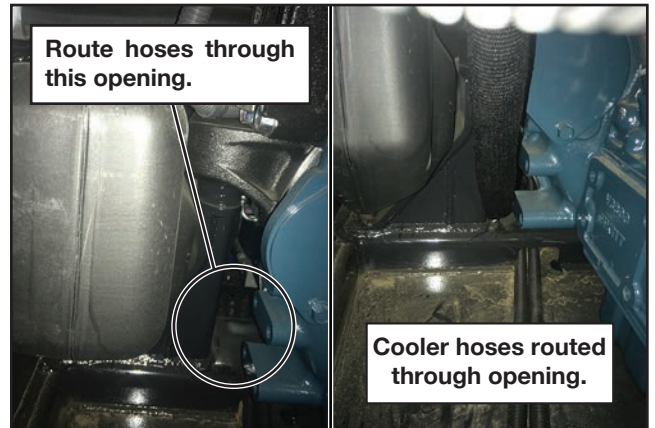


Inside the engine compartment, add the hose brace (1) that is supplied with kit. This brace will support the cooler hoses that will be added and prevent them from coming in contact with track loader engine components.

NOTE: Before routing the oil cooler cab mount kit hoses, mark or label each end of hose N49380 as “INLET” and hose N49381 as “OUTLET”. This will help in identifying each hose after they are pulled through to the area under the cab.



Route the inlet hose (1) through the hose brace and down along the side of the engine. Repeat same procedure for the outlet hose (2).



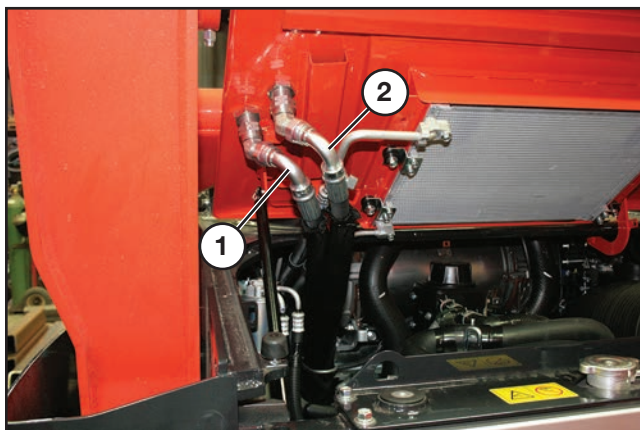
Route the hoses through the opening shown above, and into the area underneath the cab.

NOTE: Routing the new hoses from the cab cooler kit may require two people working together to push/pull the hoses to their new locations.

(Procedure continued on following page.)

Installation Instructions

Hydraulic Connections (Cont'd)

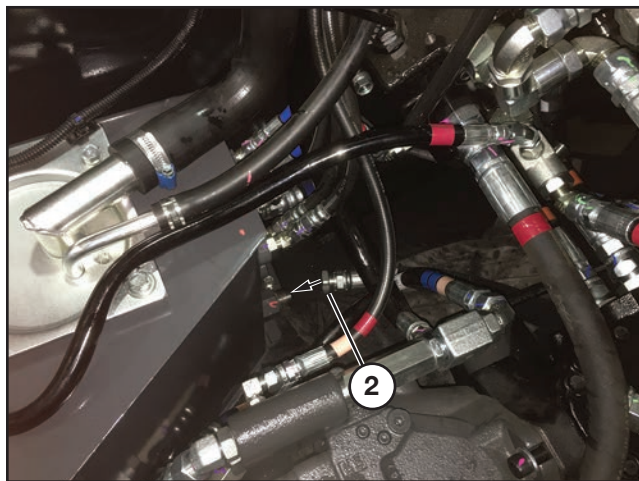


Connect the INLET hose (1) (N49380) supplied with the kit to the INLET bulkhead fitting.

Connect the OUTLET hose (2) (N49381) supplied with the kit to the OUTLET bulkhead fitting.



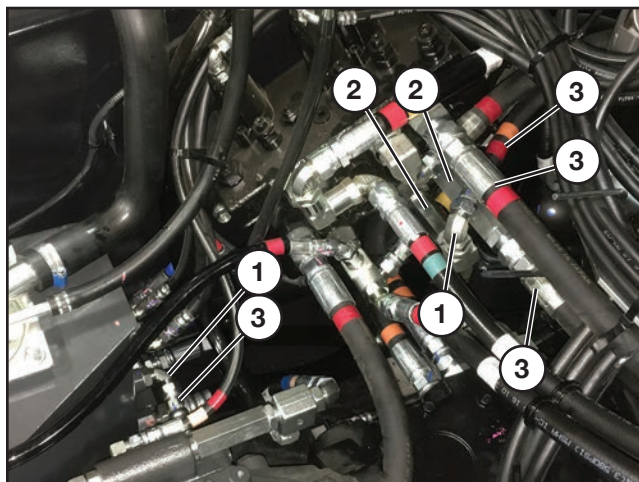
Connect the other end of the INLET hose (1) to the fitting on the control valve as shown above. Refer to drawing on page 4 for an illustrated schematic.



Connect the other end of the OUTLET hose to hydraulic tank as shown above. Refer to drawing on page 4 for an illustrated schematic.

Tighten all hose and fitting connections.

NOTE: When complete, refer to the exploded drawing on page 4 to verify hose routing and connections.

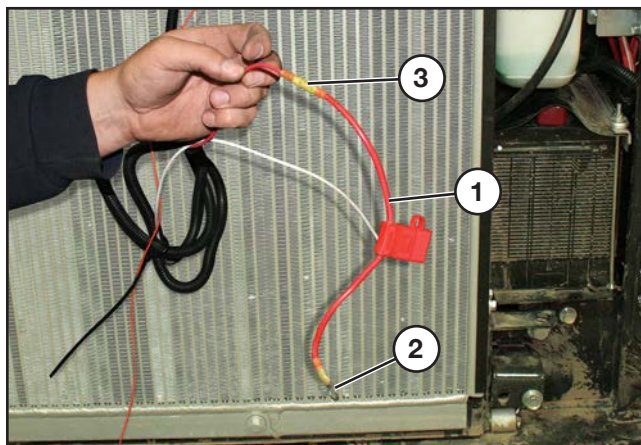


Reconnect the fittings (1), extensions (2), and hydraulic hoses (3) that were disconnected earlier.

Tighten all hose and fitting connections.

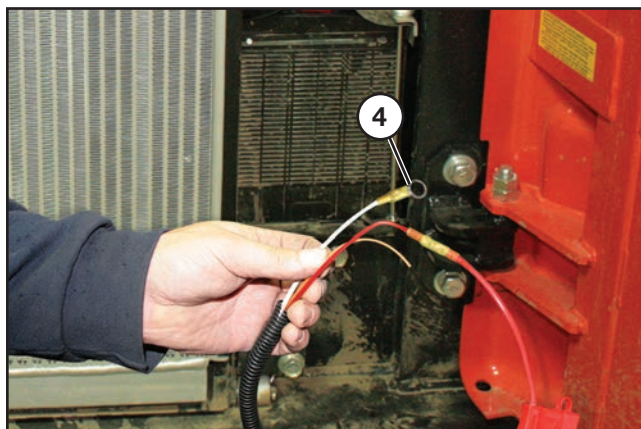
Installation Instructions

Electrical Connections



NOTE: The inline fuse holder (1) is shipped as a closed loop. Cut the loop of the inline fuse holder at the half-way mark, keeping an equal length of wire on either side of the fuse holder. Strip both ends of the wire.

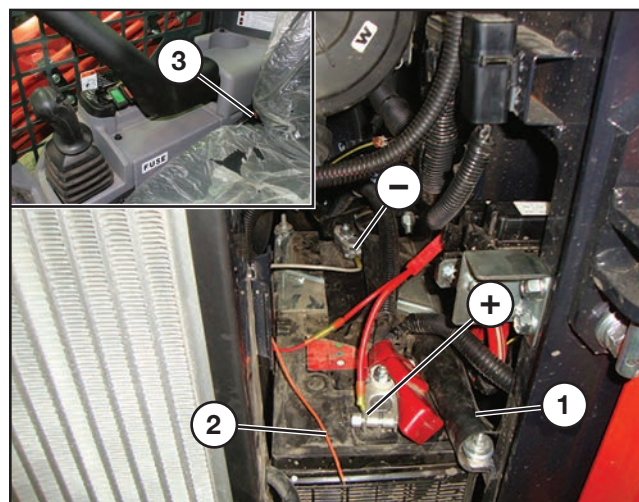
Attach a 12-10 AWG 3/8" ring terminal (2) to one wire end, and connect the opposite wire end to the red positive (+) wire of the harness using a butt connector (3).



Strip the end of the white negative (—) wire and attach a ring terminal (4).



Detach coolant overflow tank to access battery terminals.



Pull back the battery cover (1).

Connect the white negative (—) wire of the oil cooler harness to the negative terminal on the battery.

Connect the red positive (+) wire of the oil cooler harness to the positive terminal on the battery.

Connect the orange (2) wire to a keyed power source on the track loader. One keyed power source option is the connector (3) located to the right of the operator's seat in the track loader cab.

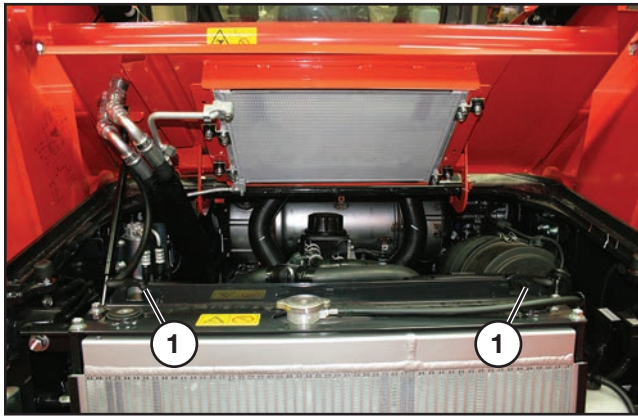
Reconnect track loader's battery connections.

Pull battery cover back over the battery.

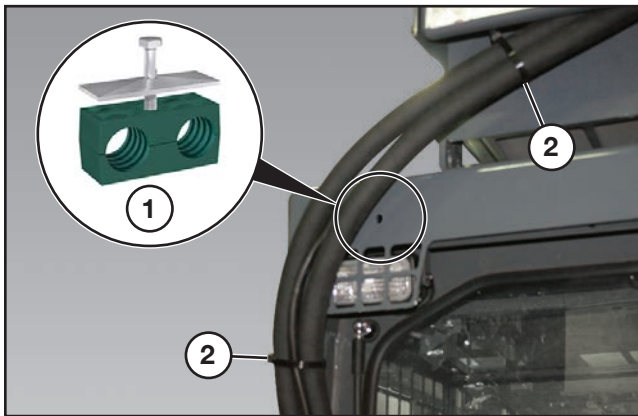
Reattach coolant overflow tank.

Installation Instructions

Securing Hoses and Wiring Harness



Use zip ties (1) to secure wiring harness to radiator on track loader.



Position the hose clamp (1) included in the kit in the hole provided in the rear of the cooler mounting frame. Place both of the oil cooler hoses into the clamp and secure using the provided hardware.

Make sure the oil cooler hydraulic hoses and wiring harness are secure throughout. Use tie-wraps (2) to secure wiring harness to hydraulic hoses where needed.

Avoid any potential pinch points or sharp turns that could cut or wear on the hoses or wires.

Provide slack in the hoses and wires to allow them to move freely when the cab is tilted up and down.



Place rear cover back onto the oil cooler. Reinstall bolts (4 total) and tighten.

Refill Hydraulic Oil Tank

After the oil cooler cab mount kit installation is complete, hydraulic oil will need to be added back into the hydraulic system.

Refer to your Kubota SVL95-2S Owner's Manual for adding hydraulic oil, keeping in mind that the oil cooler cab mount kit is shipped without hydraulic oil. This addition to the hydraulic system will need to be taken into consideration when filling.

Torque Specifications

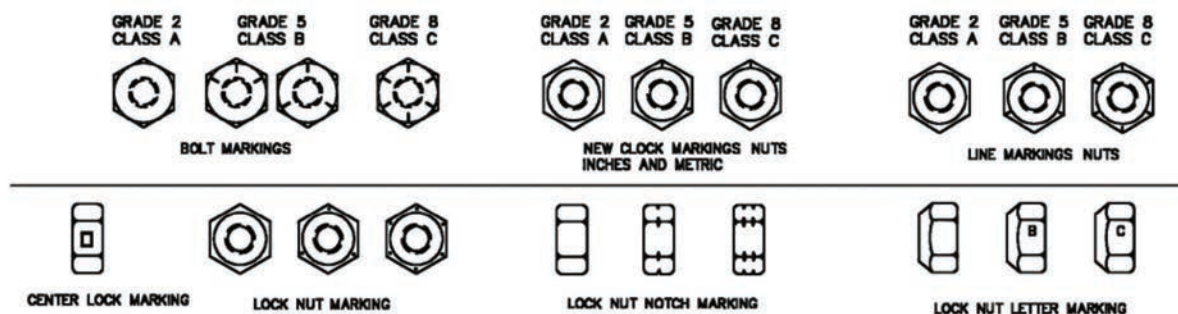
Inches Hardware and Lock Nuts

TORQUE CHARTS

Minimum Hardware Tightening Torques

Normal Assembly Applications
(Standard Hardware and Lock Nuts)

| SAE Gr. 2 | SAE Grade 5 | | SAE Grade 8 | | LOCK NUTS | | | |
|--------------|---------------------------|--------------------------|---------------------------|---------------------------|---------------------------|----------------------------|--------------------------|--------------------------|
| Nominal Size | Unplated or Plated Silver | Plated W / ZnCr Gold | Unplated or Plated Silver | Plated W / ZnCr Gold | Unplated or Plated Silver | Plated W / ZnCr Gold | Grade W / Gr. 5 Bolt | Grade W / Gr. 8 Bolt |
| 1/4 | 55 in.-lb. (6.2 N•m) | 72 in.-lb. (8.1 N•m) | 86 in.-lb. (9.7 N•m) | 112 in.-lb. (12.6 N•m) | 121 in.-lb. (13.6 N•m) | 157 in.-lb. (17.7 N•m) | 61 in.-lb. (6.9 N•m) | 86 in.-lb. (9.8 N•m) |
| 5/16 | 115 in.-lb. (13 N•m) | 149 in.-lb. (17 N•m) | 178 in.-lb. (20 N•m) | 229 in.-lb. (26 N•m) | 250 in.-lb. (28 N•m) | 324 in.-lb. (37 N•m) | 125 in.-lb. (14 N•m) | 176 in.-lb. (20 N•m) |
| 3/8 | 17 ft.-lb. (23 N•m) | 22 ft.-lb. (30 N•m) | 26 ft.-lb. (35 N•m) | 34 ft.-lb. (46 N•m) | 37 ft.-lb. (50 N•m) | 48 ft.-lb. (65 N•m) | 19 ft.-lb. (26 N•m) | 26 ft.-lb. (35 N•m) |
| 7/16 | 27 ft.-lb. (37 N•m) | 35 ft.-lb. (47 N•m) | 42 ft.-lb. (57 N•m) | 54 ft.-lb. (73 N•m) | 59 ft.-lb. (80 N•m) | 77 ft.-lb. (104 N•m) | 30 ft.-lb. (41 N•m) | 42 ft.-lb. (57 N•m) |
| 1/2 | 42 ft.-lb. (57 N•m) | 54 ft.-lb. (73 N•m) | 64 ft.-lb. (87 N•m) | 83 ft.-lb. (113 N•m) | 91 ft.-lb. (123 N•m) | 117 ft.-lb. (159 N•m) | 45 ft.-lb. (61 N•m) | 64 ft.-lb. (88 N•m) |
| 9/16 | 60 ft.-lb. (81 N•m) | 77 ft.-lb. (104 N•m) | 92 ft.-lb. (125 N•m) | 120 ft.-lb. (163 N•m) | 130 ft.-lb. (176 N•m) | 169 ft.-lb. (229 N•m) | 65 ft.-lb. (88 N•m) | 92 ft.-lb. (125 N•m) |
| 5/8 | 83 ft.-lb. (112 N•m) | 107 ft.-lb. (145 N•m) | 128 ft.-lb. (174 N•m) | 165 ft.-lb. (224 N•m) | 180 ft.-lb. (244 N•m) | 233 ft.-lb. (316 N•m) | 90 ft.-lb. (122 N•m) | 127 ft.-lb. (172 N•m) |
| 3/4 | 146 ft.-lb. (198 N•m) | 189 ft.-lb. (256 N•m) | 226 ft.-lb. (306 N•m) | 293 ft.-lb. (397 N•m) | 319 ft.-lb. (432 N•m) | 413 ft.-lb. (560 N•m) | 160 ft.-lb. (217 N•m) | 226 ft.-lb. (306 N•m) |
| 7/8 | 142 ft.-lb. (193 N•m) | 183 ft.-lb. (248 N•m) | 365 ft.-lb. (495 N•m) | 473 ft.-lb. (641 N•m) | 515 ft.-lb. (698 N•m) | 667 ft.-lb. (904 N•m) | 258 ft.-lb. (350 N•m) | 364 ft.-lb. (494 N•m) |
| 1 | 213 ft.-lb. (289 N•m) | 275 ft.-lb. (373 N•m) | 547 ft.-lb. (742 N•m) | 708 ft.-lb. (960 N•m) | 773 ft.-lb. (1048 N•m) | 1000 ft.-lb. (1356 N•m) | 386 ft.-lb. (523 N•m) | 545 ft.-lb. (739 N•m) |



Appendix

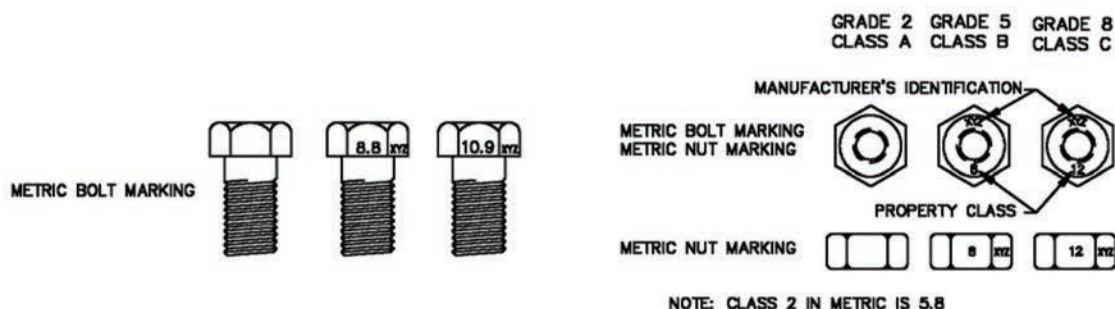
Torque Specifications (Cont'd)

Metric Hardware and Lock Nuts

TORQUE CHARTS Minimum Hardware Tightening Torques

Normal Assembly Applications
(Metric Hardware and Lock Nuts)

| Nominal Size | Class 5,8 | | Class 8,8 | | Class 10,9 | | Lock nuts |
|--------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|---------------------------|--------------------------|
| | Unplated or Plated Silver | Plated W / ZnCr Gold | Unplated or Plated Silver | Plated W / ZnCr Gold | Unplated or Plated Silver | Plated W / ZnCr Gold | Class 8 W / CL. 8,8 Bolt |
| M4 | 1.7 N•m (15 in.-lb.) | 2.2 N•m (19 in.-lb.) | 2.6 N•m (23 in.-lb.) | 3.4 N•m (30 in.-lb.) | 3.7 N•m (33 in.-lb.) | 4.8 N•m (42 in.-lb.) | 1.8 N•m (16 in.-lb.) |
| M6 | 5.8 N•m (51 in.-lb.) | 7.6 N•m (67 in.-lb.) | 8.9 N•m (79 in.-lb.) | 12 N•m (102 in.-lb.) | 13 N•m (115 in.-lb.) | 17 N•m (150 in.-lb.) | 6.3 N•m (56 in.-lb.) |
| M8 | 14 N•m (124 in.-lb.) | 18 N•m (159 in.-lb.) | 22 N•m (195 in.-lb.) | 28 N•m (248 in.-lb.) | 31 N•m (274 in.-lb.) | 40 N•m (354 in.-lb.) | 15 N•m (133 in.-lb.) |
| M10 | 28 N•m (21 ft.-lb.) | 36 N•m (27 ft.-lb.) | 43 N•m (32 ft.-lb.) | 56 N•m (41 ft.-lb.) | 61 N•m (45 ft.-lb.) | 79 N•m (58 ft.-lb.) | 30 N•m (22 ft.-lb.) |
| M12 | 49 N•m (36 ft.-lb.) | 63 N•m (46 ft.-lb.) | 75 N•m (55 ft.-lb.) | 97 N•m (72 ft.-lb.) | 107 N•m (79 ft.-lb.) | 138 N•m (102 ft.-lb.) | 53 N•m (39 ft.-lb.) |
| M16 | 121 N•m (89 ft.-lb.) | 158 N•m (117 ft.-lb.) | 186 N•m (137 ft.-lb.) | 240 N•m (177 ft.-lb.) | 266 N•m (196 ft.-lb.) | 344 N•m (254 ft.-lb.) | 131 N•m (97 ft.-lb.) |
| M20 | 237 N•m (175 ft.-lb.) | 307 N•m (226 ft.-lb.) | 375 N•m (277 ft.-lb.) | 485 N•m (358 ft.-lb.) | 519 N•m (383 ft.-lb.) | 671 N•m (495 ft.-lb.) | 265 N•m (195 ft.-lb.) |
| M24 | 411 N•m (303 ft.-lb.) | 531 N•m (392 ft.-lb.) | 648 N•m (478 ft.-lb.) | 839 N•m (619 ft.-lb.) | 897 N•m (662 ft.-lb.) | 1160 N•m (855 ft.-lb.) | 458 N•m (338 ft.-lb.) |





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