

**IK001738****Date:**
5 Nov. 2012**PRODUCT
SAFETY
ALERT**

HG6000TX Kingpin Hitch Replacement Kit			
Model	Serial Numbers		Kit # Version
	Including	Excluding	
HG6000TX	1005 – 1008	1007	IK01
Mandatory ☒ Recommended ☐ Optional ☐			
Dealer Reference: Service Bulletin No. SVC2013004			

PURPOSE:

HORIZONTAL GRINDER MAY SEPARATE FROM TOW VEHICLE. The kingpin hitch installed was manufactured without a machining feature that positions the bolt on kingpin. Without this machining feature, the kingpin may be installed in a position that may lead to excessive wear either on the kingpin or fifth wheel hitch assembly. If not repaired, the excessive wear may cause the trailer to separate from the towing unit. **Death or serious injury** is possible if the horizontal grinder separates from the tow vehicle while being towed on a public highway. Property or equipment damage is possible.

SPECIAL TOOLS AND CONDITIONS:

- Suitable lifting device capable of lifting 850 lb (390 kg).

WARNING: Use the following shutdown procedure before attempting to do any work described in this Kit.

1. Ensure all material on infeed conveyor has been ground.
2. Shut off Auto Feed.
3. Disengage hammermill, and wait for engine to reach idle. Microprocessor will automatically reduce engine speed to idle before clutch will disengage.
4. If remote control was in use, shut off remote.
5. Wait for hammermill rotation to stop. Indicator light on display will go out when rotation has stopped. Look at main hammermill bearings behind shield to confirm hammermill has stopped.
6. When hammermill has come to a complete stop and all ground material has been discharged, shut off conveyor.
7. Shut off engine and remove key.
8. Move *Battery Disconnect Switch* to OFF.

NOTICE: Whenever practical and consistent with good safety practice, run engine without load for a few minutes before shutting it OFF. This allows engine temperatures to decrease and equalize, which will increase engine life and reduce turbocharger damage.

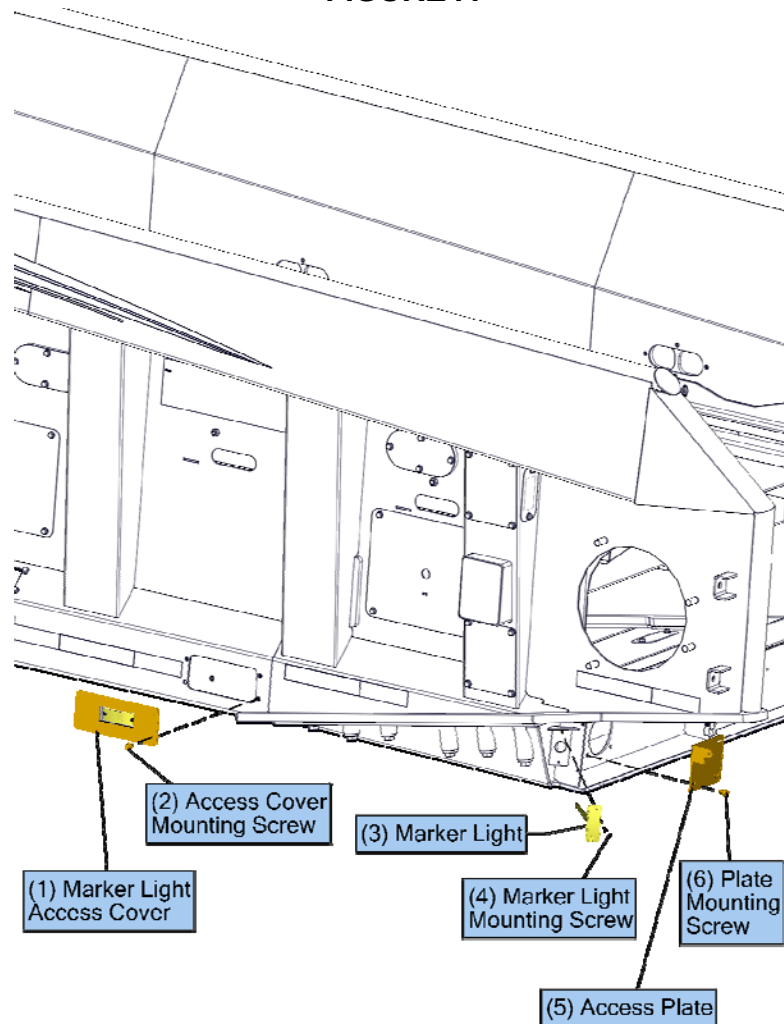
		WARNING: Raised machine or equipment can fall. Never work under raised machine or equipment, unless it is adequately supported to prevent it from falling.
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PROCEDURE:

Wiring for the left and right side marker lights as well as the air supply and control lines pass through hitch base and will need to be disconnected and removed from hitch base before replacing it.

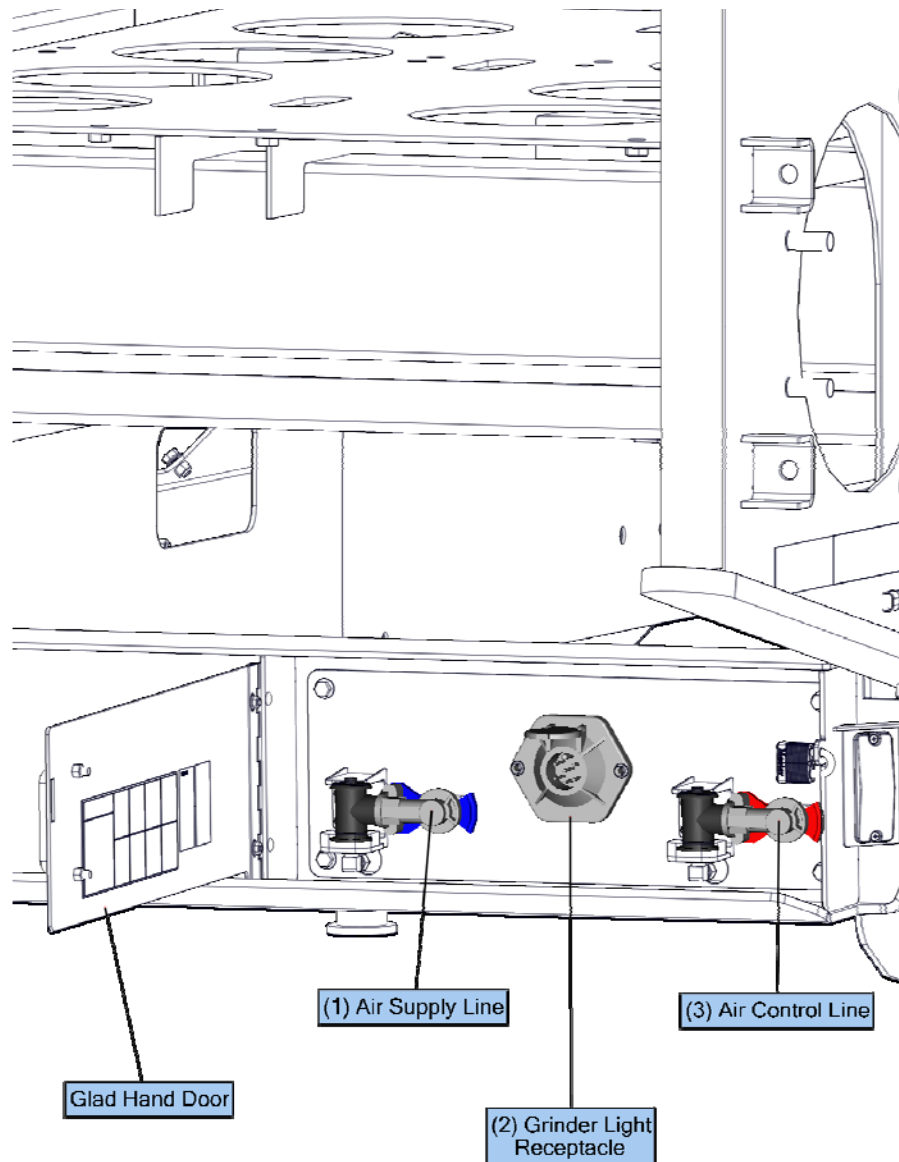
1. Remove marker light access cover and screws **(1 & 2)** and disconnect wire harness from light. Figure A
2. Repeat for marker light on opposite side of machine.
3. Remove marker light and screws **(3 & 4)** and disconnect wire harness from light. Figure A
4. Repeat for marker light on opposite side of machine.
5. Remove access plate and screws **(5 & 6)**. Figure A

FIGURE A



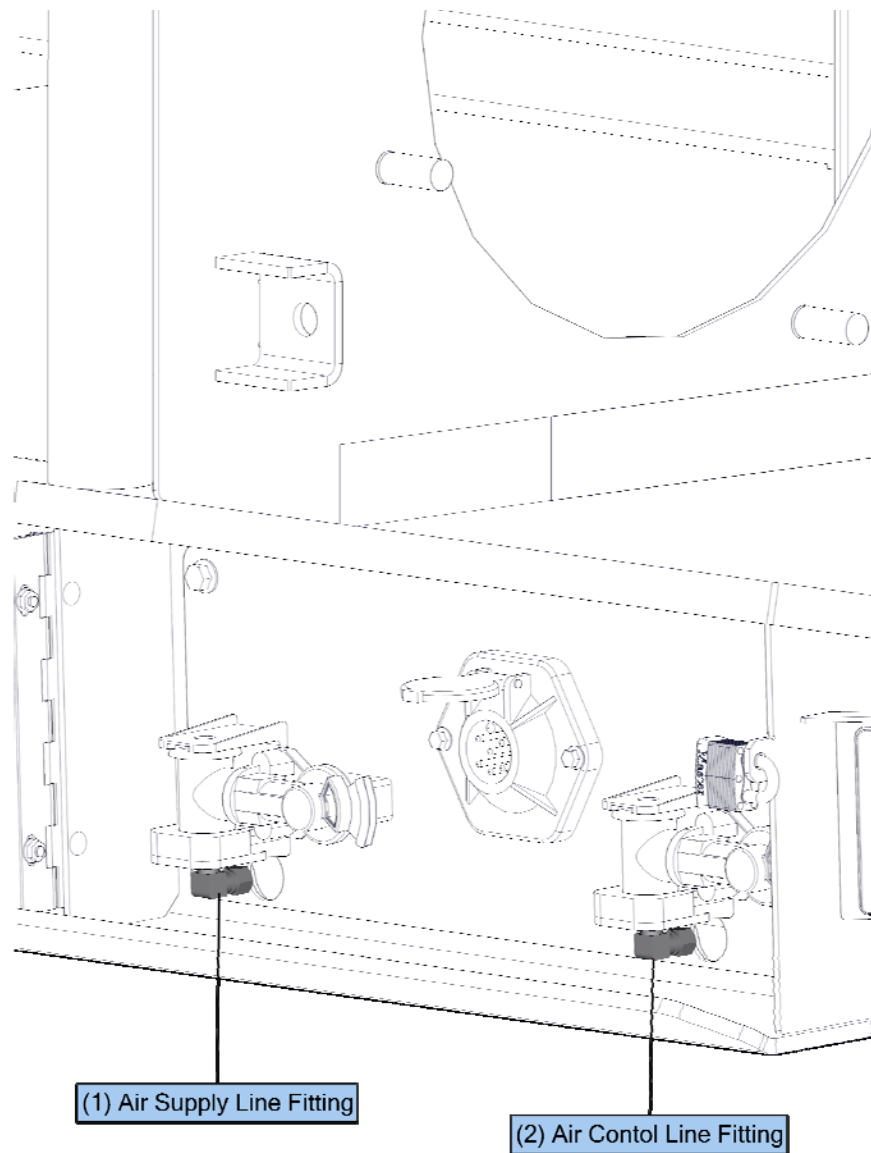
6. Disconnect air supply Line **(1)** and air control line **(3)** from glad hands. Figure B
7. Disconnect wire harness from grinder receptacle **(2)**. Figure B

FIGURE B



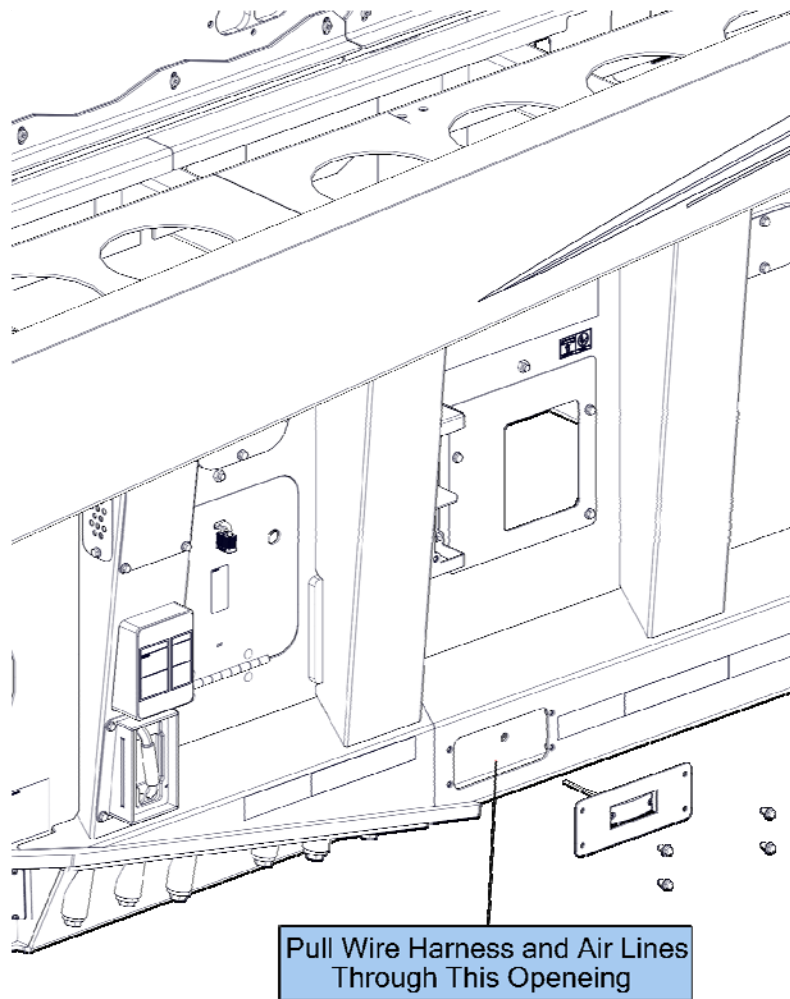
8. Disconnect brake hoses form air supply line fitting **(1)** and air control line fitting **(2)**. Figure C

FIGURE C



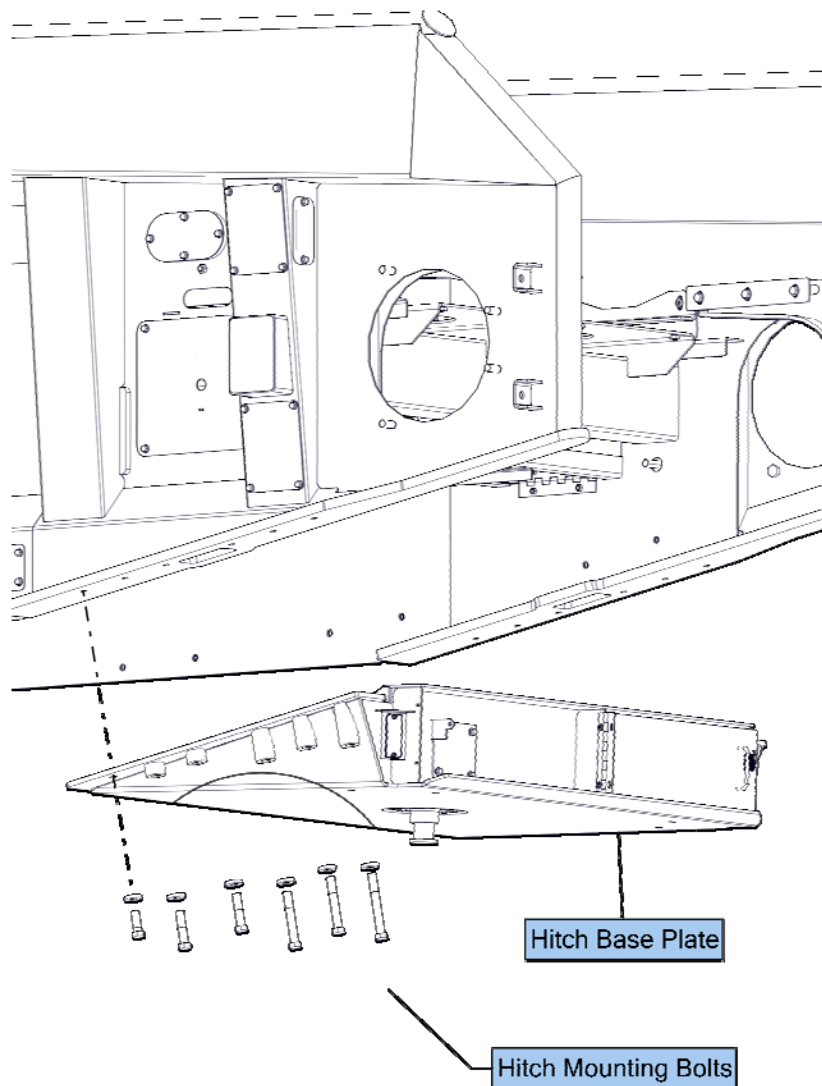
9. Using the access opening where marker light was removed on left side of machine, pull wire harness and air lines through opening. Figure D

FIGURE D



10. Using a suitable lifting device capable of lifting 850 lb (390 kg), support hitch base **(1)**. Figure E
11. Remove six mounting bolts and washers from both sides of hitch base. Figure E

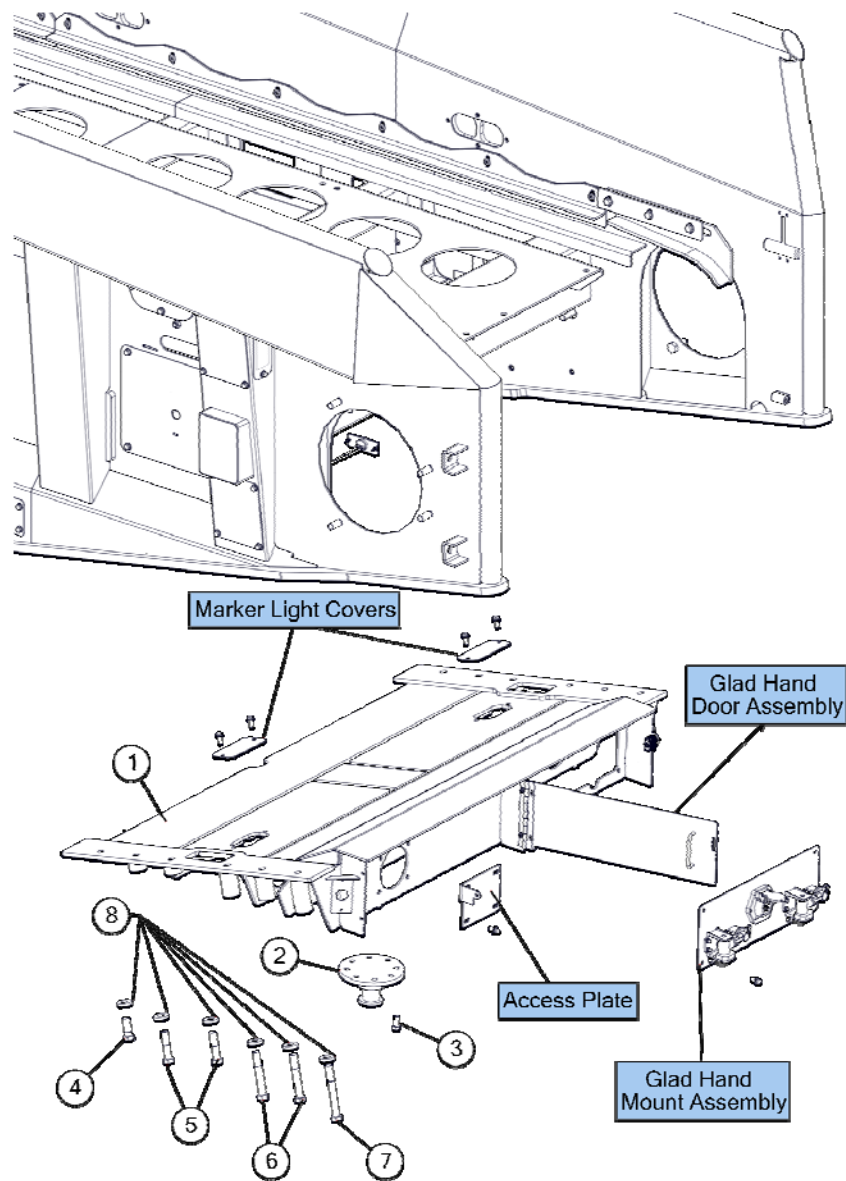
FIGURE E



12. With hitch base removed from the machine, remove all shields and covers from old base. Temporarily leave off top covers and shields to aid in wire harness and air line routing. Figure 1
13. Discard existing mounting bolts, kingpin, and hitch base.
14. Using a suitable lifting device capable of lifting 850 lb (390 kg), support new hitch base **(1)**. Figure 1
15. Lift base into correct position to infeed frame. Apply thread locker 277 to threads of 12 bolts **(4-7)** and install with washers **(8)** as shown. Torque bolts **(4-7)** 280 ft-lb (380 Nm). Figure 1

16. Ensure mating surfaces of new kingpin **(2)** and base **(1)** are clean and free of debris. Apply thread locker 277 to threads of eight new bolts **(3)** and install new king pin **(2)** to base. Torque bolts **(3)** to 140 ft-lb (190 Nm). Figure 1
17. Route wire harnesses and air lines back through new hitch base to appropriate locations and reinstall marker lights and air lines. Two new elbow fittings **(1)** are supplied in this kit in case existing ones were damaged when air lines were removed in Step 8. If needed, remove existing ones and install new ones in same orientation. Figure 2
18. Install marker light covers, glad hand door assembly, access plate, and glad hand mount assembly saved from the old hitch base to new hitch base **(1)**. Figure 1

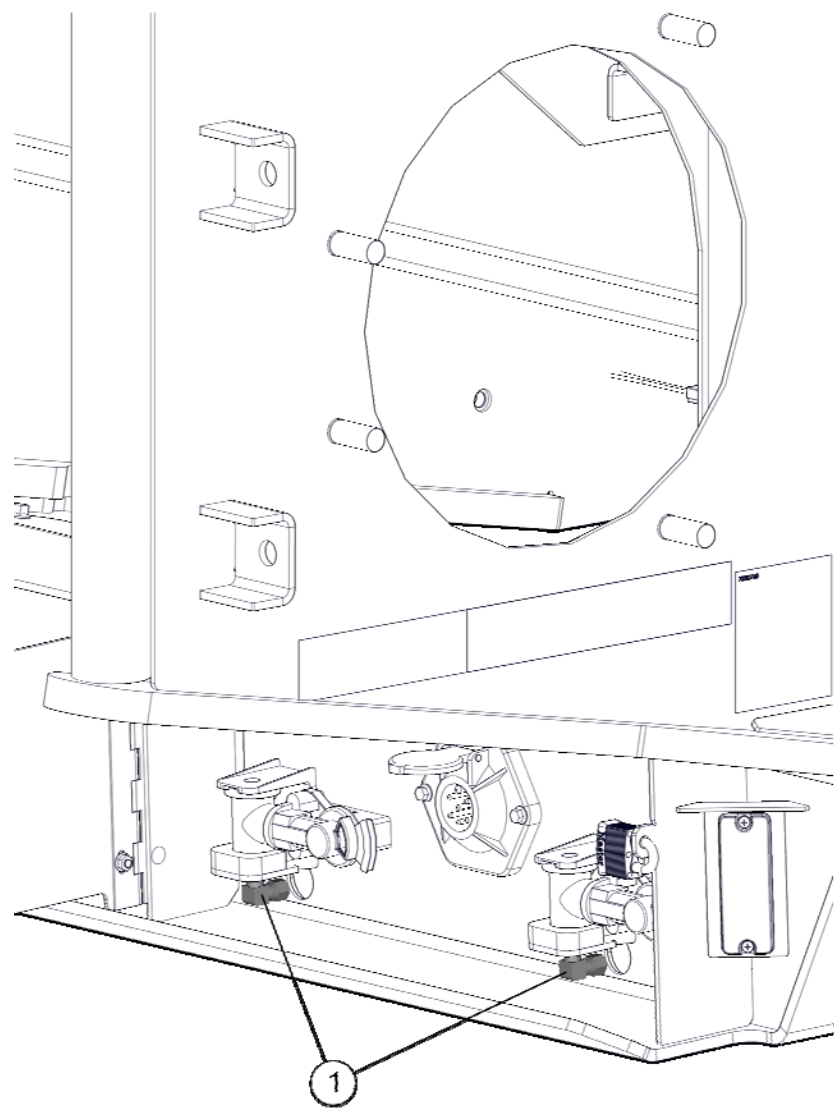
FIGURE 1



UNIT OWNER COPY: Insert in Parts Manual for future reference.

FIGURE 1			
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	163701081	WELDMENT – HITCH ASSEMBLY	1
2	163663096	KING PIN	1
3	163663100	KING PIN BOLTS	8
4	243921001	SCREW-HCS-.75-10X2.25-GR8—YZ	2
5	124620034	BOLT-3/4-10X312 GR8 HEX ZYS	4
6	242884001	BOLT-3/4-10X5.5 GR8 ZYC	4
7	385064	SCREW-HCS-3/4-10X6.5 GR 8 YZ	2
8	159884001	WASHER-.81IDX.320 THICK HARD ZNC PLT	12

FIGURE 2



UNIT OWNER COPY: Insert in Parts Manual for future reference.

FIGURE 2

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	119474001	FITTING-MALE ELBOW 1469-6-4	2

FIGURE 3



FIGURE 3

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	296287039	WORK COMPLETION CERTIFICATE – SAFETY KIT	1