JERR-DAN
An Oshkosh Corporation Company

Service Information Bulletin
Reference: SIB 16-153

Date: June 1, 2016

To: Jerr-Dan Distributors

Models Affected: HDL1000, HDL1100, and HDL1200 Wreckers

Subject: Body Installation Manual

Jerr-Dan Corporation has released an enhanced Installation Manual to be used when mounting the HDL1000, HDL1100 and HDL1200 Wrecker Body to the truck chassis.

A copy of the manual is attached to this bulletin for your reference. This manual will also be available on Jerr-Dan Online Express.

CUSTOMER SUPPORT
13224 FOUNTAINHEAD PLAZA
HAGERSTOWN, MD 21742-2678
Phone (800) 926-9666
Fax: (301) 745-5375
Email: customersupport@JerrDan.com
www.JerrDan.com

IMPORTANT

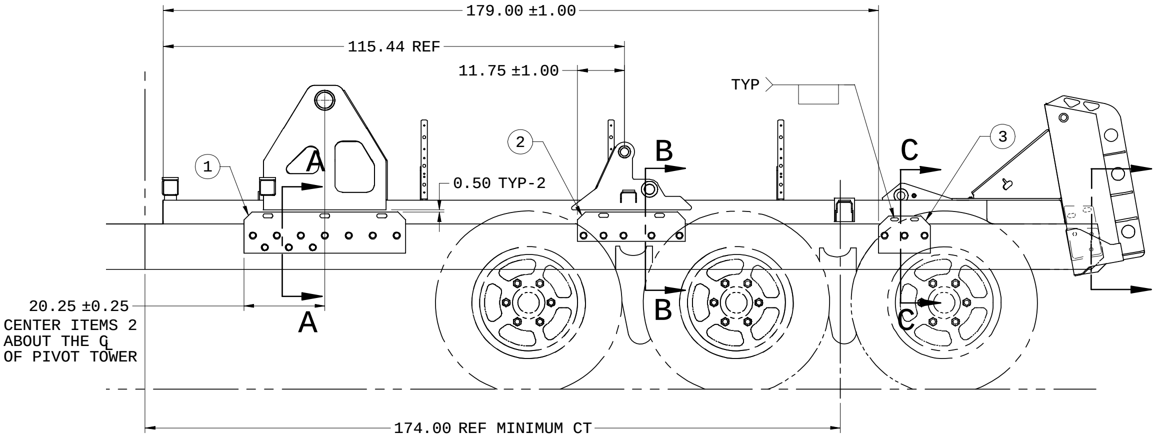
This supplement to the HDL1100/530 Installation Manual describes the procedures for the Installation of the subframe.
The instructions contained herein supersede any other instructions found in this manual on pages 17 thru 21.

Subframe Installation - HDL1100/530

1. Set the subframe onto the truck frame and position as shown in *Figure A-1*. Make sure that the subframe is pushed forward so that the back of the truck frame is against the subframe. *If the frame rails of the truck chassis have rivets in the top flange, spacer plates with clearance holes to fit around the rivets will need to be added between the truck frame and the wrecker subframe at the locations of the six subframe mounting plates.*
2. Clamp the subframe down onto the truck frame. Make sure that the subframe is down flat and tight to the truck frame. ***There must be no space between the subframe and the truck frame.***

NOTE

Use clamps or a bottle jack and chains to pull the subframe down to the chassis rails as needed. USE CAUTION WHEN DOING THIS.



INSTALLATION NOTES:

1. MOUNTING PLATES CAN BE MODIFIED WITHIN REASON IF TRUCK COMPONENTS CANNOT BE RELOCATED ON TRUCK FRAME.
2. HOLES TO BE DRILLED THROUGH MOUNTING PLATES INTO TRUCK FRAME, IF PLATES HAVE BEEN MOFIFIED SUCH THAT LESS THAN 0.50" MATERIAL SURROUNDS RECOMMENDED HOLE LOCATION, BOLT IS TO BE ADJUSTED TO THE NEAREST AVAILABLE LOCATION, BUT NOT TO WITHIN 1.00" OF ANOTHER MOUNTING BOLT LOCATION OR TO WITHIN 0.50" OF A MATERIAL EDGE. TOTAL BOLTS USED TO REMAIN CONSTANT. IF POSSIBLE UTILIZE EXISTING HOLES IN TRUCK FRAME RAIL. NEVER PLACE MORE THAN (2) HOLES IN ANY VERTICAL CROSSECTION OF THE FRAME RAIL.
3. AFTER CENTERING SUBFRAME ON TRUCK FRAME, IF GAP BETWEEN MOUNTING PLATES AND SUBFRAME IS MORE THAN 0.06" SHIM AS REQUIRED TO FILL GAP TO WITHIN 0.06".

Figure A-1. Subframe Installation

NOTE

After centering subframe on the truck frame, if the gap between the mounting plates and the subframe is more than 1/16", shim as required to fill the gap to within 1/16".

NOTE

If truck frame has a frame cap that does not run the full length of the truck frame, a filler plate must be used in the area of the frame that is not capped to fill the space between the bottom of the subframe and the top of the truck frame.

3. Layout and drill the hole pattern in the six subframe mounting plates as shown in *Figure A-2*.

4. Layout the position of the eight loose subframe mounting plates as shown in *Figure A-1* and tack into place on the subframe. **Do not weld or tack the plates to the truck frame.**

5. Weld the subframe mounting plates and any required shims to the subframe as shown in *Figure A-3*.

CAUTION

Always disconnect the positive wire from the battery before welding any components on the chassis or body. Damage to batteries and/or electrical components can result from welding.

WARNING

When welding the subframe mounting plates to the subframe, LA90, AWS EA-3K or ER90S-D2 or Equivalent filler material having an 80,000 lb. - 90,000 lb. Tensile Strength must be used.

6. Using the mounting plates as a template mark or scribe forty-two holes (21 each side) on the truck frame.

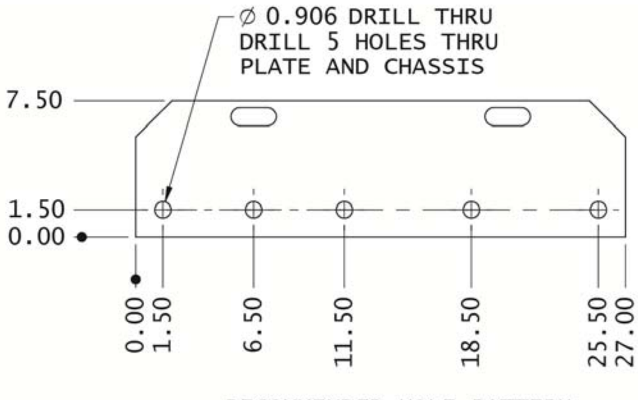
7. Remove the subframe from the truck chassis.

8. Drill forty-two 29/32" holes through the truck frame at the locations you marked earlier.

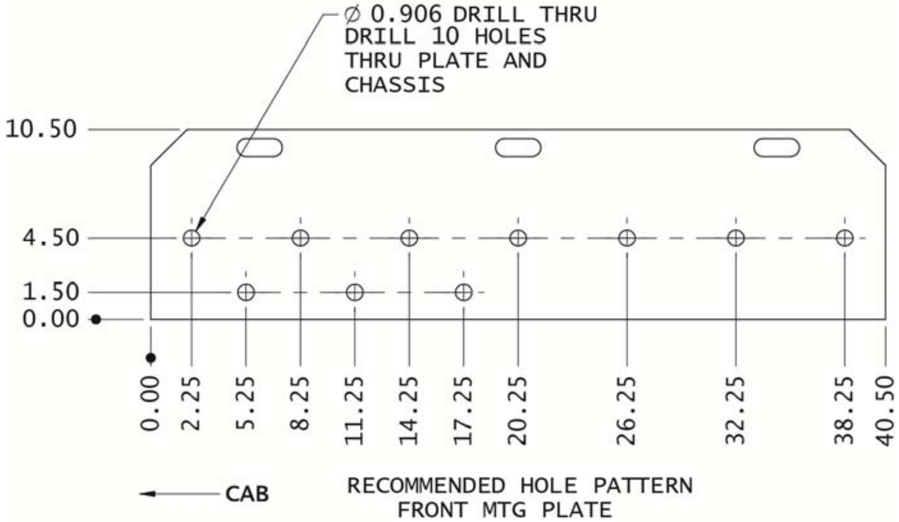
9. Set the subframe back onto the truck frame and position. Make sure that the subframe is pushed forward so that the back of the truck frame is against the subframe.

10. Clamp the subframe down onto the truck frame. Make sure that the subframe is down flat and tight to the truck frame. ***There must be no space between the subframe and the truck frame.***

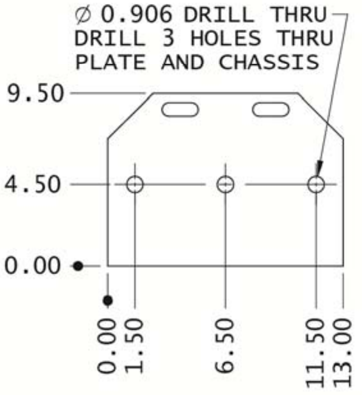
11. Secure the subframe with 7/8" x 3" flanged head capscrews and flanged locknuts. **Torque capscrews to 600 FT/LBS.**



RECOMMENDED HOLE PATTERN
FRONT CENTER MTG PLATE



RECOMMENDED HOLE PATTERN
FRONT MTG PLATE



RECOMMENDED HOLE PATTERN
REAR CENTER MTG PLATE

Figure A-2. Subframe Mounting Plates Holes

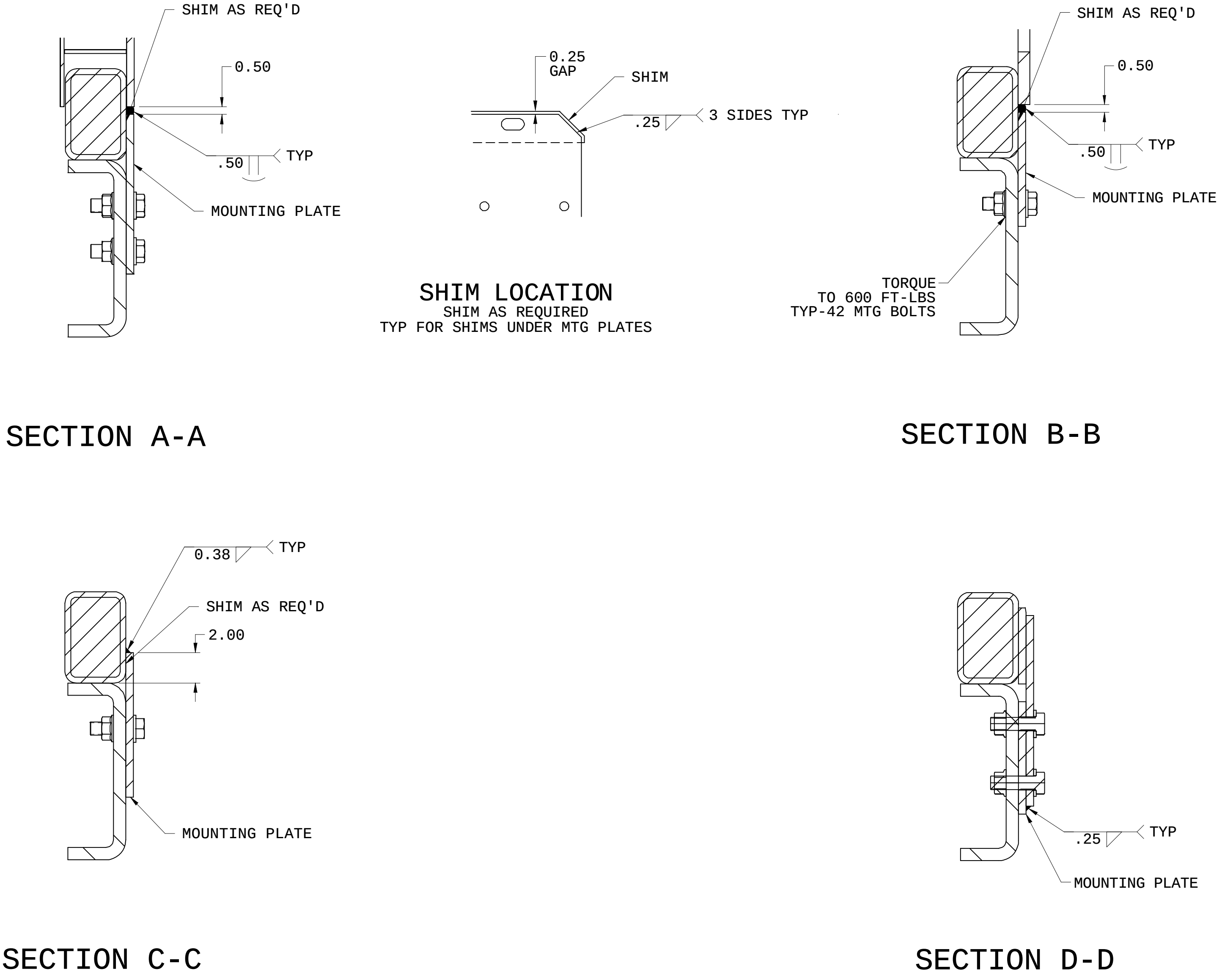


Figure A-3. Subframe Mounting Plates

12. Position the tie plate into the back of the subframe between the rear mounting plate and the subframe spade housing as shown in *Figure A-4.* Trim or modify the plate as required to fit your application. Leave approximately 1/4" space between the tie plate and the tail section. This will allow any collection of road dirt, snow, slush, etc. to flush out during travel.

13. Weld the tie plate into the back of the subframe.

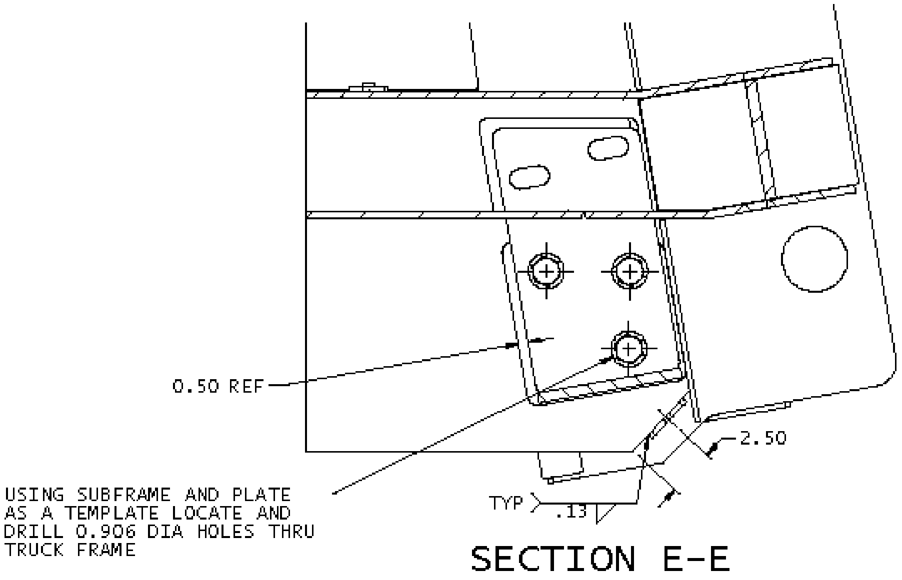


Figure A-4. Subframe Tie Plates