

V10 Frame Grabber Installation Instructions

Figure A

There are 3 “short arm” and 1 “long arm” Frame Grabber mounts that are bolted between the truck frame and the V10 APU frame that look like this:



Figure B

The Frame Grabber mount with the “long arm” must be installed under the corner of the APU frame where the A/C compressor is located:

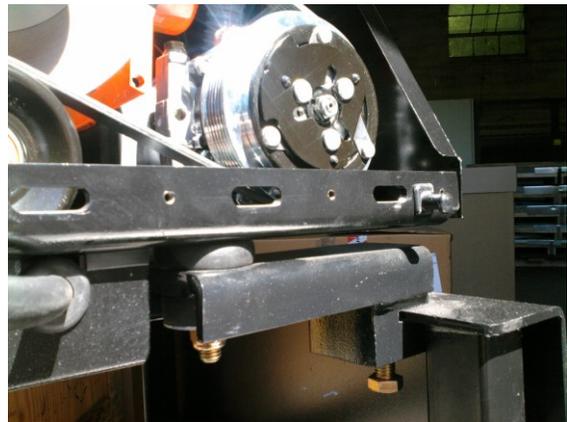


Figure C

This is a “shorter arm” Frame Grabber in one of the other 3 locations:

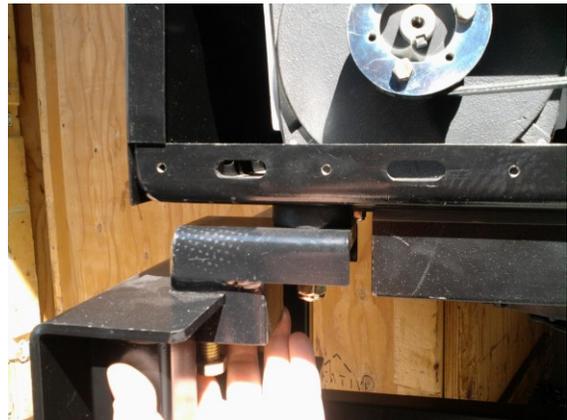


Figure D

Assemble the Frame Grabber fasteners in the sequence shown here:

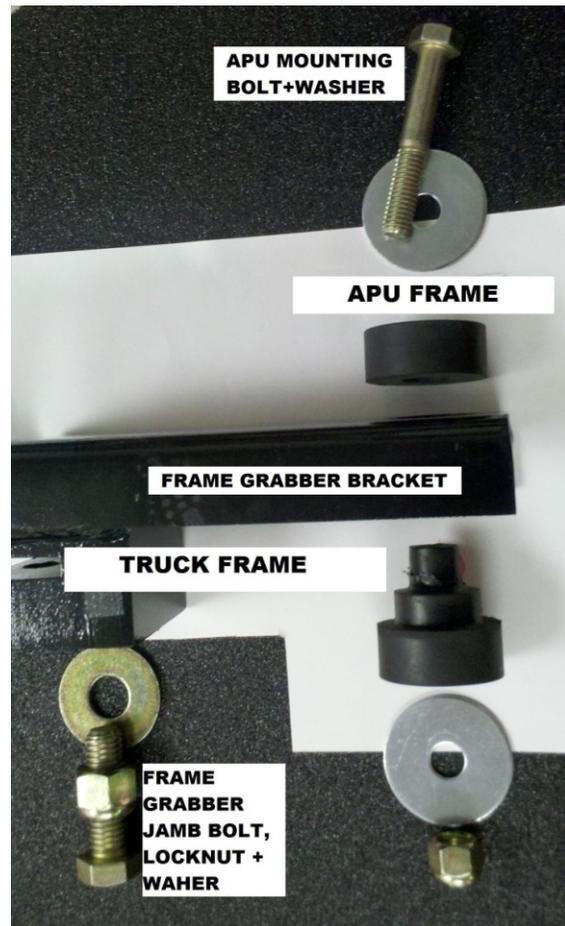
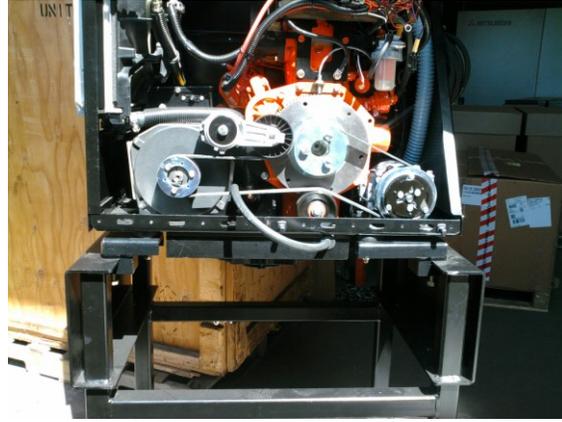


Figure E

Using a chain hoist, lower the APU over the frame rails of the truck in the mounting area. Leave the APU suspended only 1/8" over the the Frame Grabber rubber grommets so that the position of the components can be adjusted.



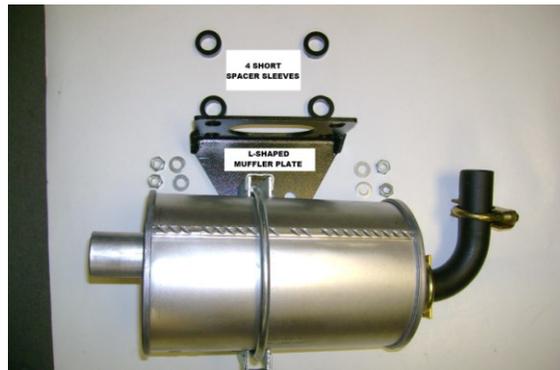
APU Installation Procedure

***Note*:** When mounting the APU, maintain 2-3" of space from the back of the sleeper cab to allow for cab movement.

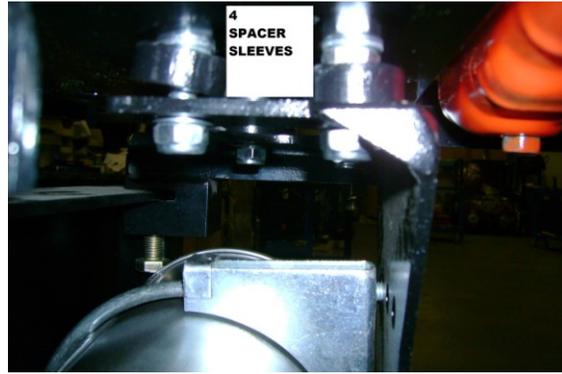
1. Place Frame Grabber brackets on the frame of the Truck in the area where the APU frame mount holes will align. Install the Jamb bolts with locknuts and washers (as shown in [Figure D](#)) loosely, so that small adjustments can be made to their positions when the APU is brought near the frame rails of the truck.
2. Install the rubber grommets in the Frame Grabbers as shown in [Figure D](#).
3. Using a chain hoist, lift the APU over the frame rails of the truck and leave it suspended very closely above the Frame Grabber rubber grommets. Align the mounting holes in the APU frame with the Frame Grabber rubber grommet bolt holes moving either the Frame Grabbers or the APU so that the desired clearance to the back of the sleeper cab is maintained.
4. Install a bolt and washer from the top, through the APU frame and Frame Grabber rubber grommet, then install a washer and locknut only "hand tight" for now, underneath the rubber grommet of the Frame Grabber.
5. With the Frame Grabber brackets in place to the Truck frame and the APU frame bolts loosely installed through both components in each mounting area, lower the APU onto the Frame Grabber rubber grommets and tighten the APU mounting bolts and nuts to 35 lb/ft of torque.
6. With all mounting hardware and fasteners in place and all components aligned, tighten the Jamb bolts that clamp the Frame Grabbers to the Truck frame to 75 lb/ft of Torque, then tighten the Jamb bolt locknuts against the washers at base of the Jamb bolts, locking the Jamb bolts.
7. Be sure to double check that all fasteners installed to this point are tight and 2" - 3" of clearance exists between the APU and the back of the sleeper cab.

Muffler installation

1. Attach the muffler to the L-shaped exhaust mounting plate using the large u-bolt and base. Fit the 90 degree pipe to the muffler and the 2 smaller U-bolts – do not tighten for now.



2. Hold the Muffler and L-bracket assembly up to the compressor mounting area underneath the APU cabinet. Position the 4 short sleeve spacer collars so they will go over the compressor mounting bolts and nuts that stick through the bottom of the APU cabinet. Install the mounting nuts far enough to hold all the pieces in place, but loose enough to allow adjustment of components.



3. Align the 90 degree exhaust pipe elbow so that it can be inserted into the engine exhaust pipe that exits the APU. Align muffler, pipes and clamps. Tighten all fasteners that have been assembled up to this point. Check that no fasteners nor components are left loose.

