



# LOW TUBE REINFORCEMENT BRACKETS

AEV RAM FRONT BUMPER

## PLEASE READ ENTIRELY BEFORE YOU START

To guarantee a quality installation, we recommend reading these instructions thoroughly before beginning any work. These instructions assume a certain amount of mechanical ability and are not written nor intended for someone not familiar with auto repair. Make sure that you have all contents of your kit before beginning installation.

## PLEASE NOTE:

This kit is intended for use alongside the AEV 3" Universal Light Mount Clamp (30301070AA)

If your vehicle is equipped with a winch delete plate, you will need to permanently remove it.

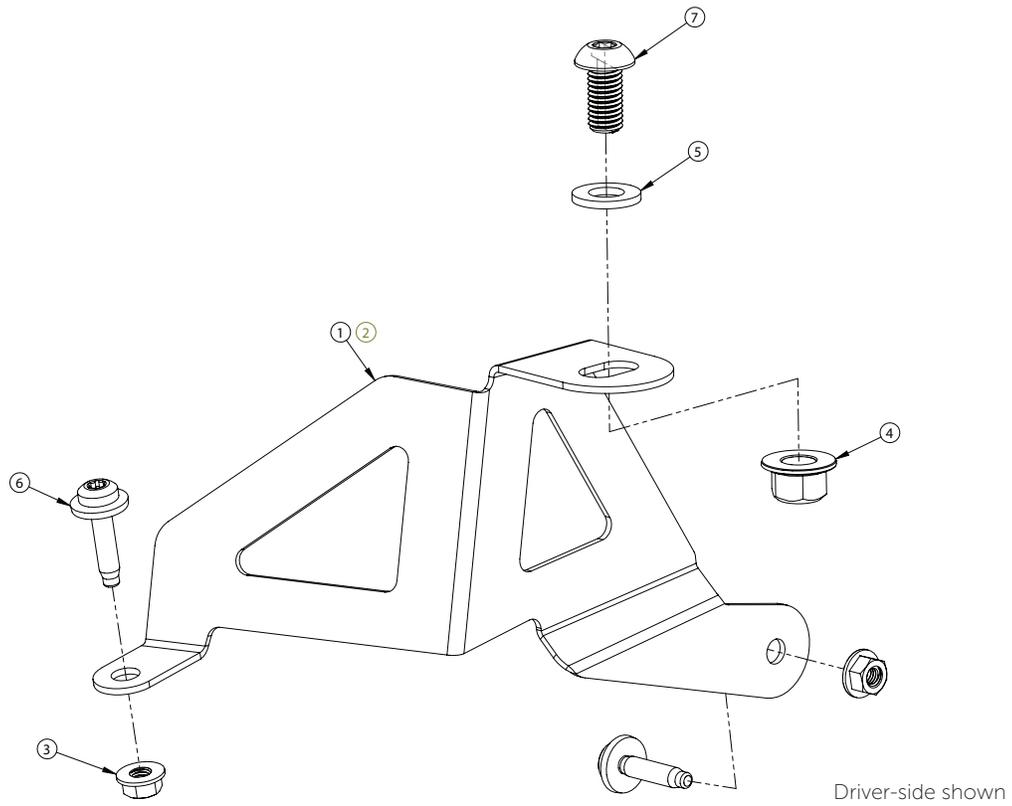
## REQUIRED TOOLS

Common Hand Tools

AEV30442AA

Last Updated: 02/11/21

INSTALLATION GUIDE



ITEM NO.	PartNo	DESCRIPTION	QTY.
1	ARMB1225AA	LH TUBE ANTI VIBRATION BRACKET	1
2	ARMB1226AA	RH TUBE ANTI VIBRATION BRACKET	1
3	AEV93027AA	M6 X 1.0 FLANGE NUT	4
4	11546366	M10 X 1.5 FLANGE LOCK NUT	2
5	AEV98006AA	M10 WASHER	2
6	11570775	M6 X 1.0 X 25 BOLT/WASHER	2
7	AEV91010AA	M10 X 1.5 X 20 RHCS	2



## I. DISASSEMBLY

1. If vehicle is equipped, remove light bar.
2. If vehicle is equipped with a Warn 16.5ti winch, use a 3/8" Allen wrench to unbolt the solenoid pack from the winch body. You can leave the wiring connected, just leave the solenoid pack loose.

## II. INSTALLATION

1. Using the supplied M6x20 Hex head bolts, washer, and flange nut, loosely secure the rear of the passenger-side reinforcement brackets as shown below. The bolt is intended to be installed in the orientation shown (fig. 1).

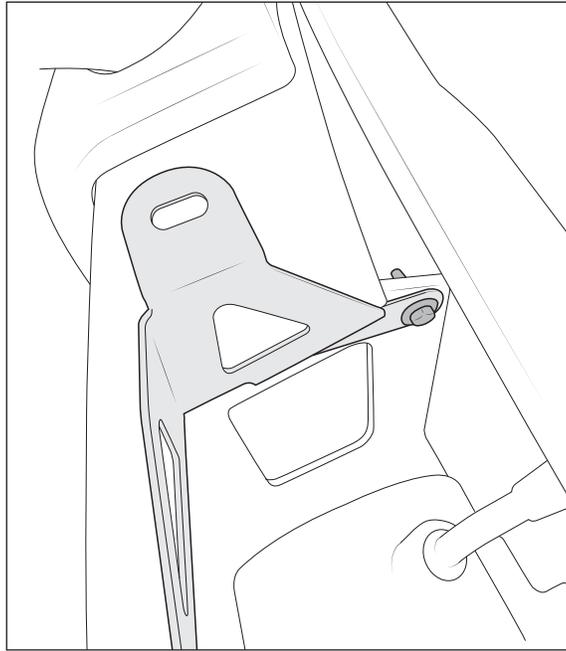


Figure 1

2. Using one of the supplied M6x25 Torx head screws and a flange nut, loosely secure the front side of the passenger side bracket to the bumper top as shown (fig. 2).

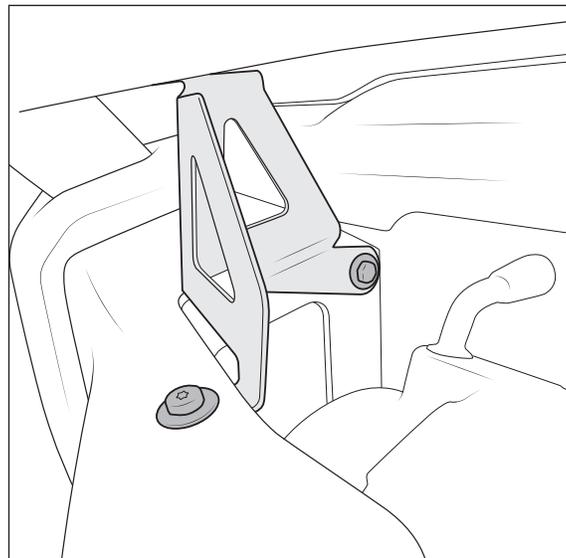
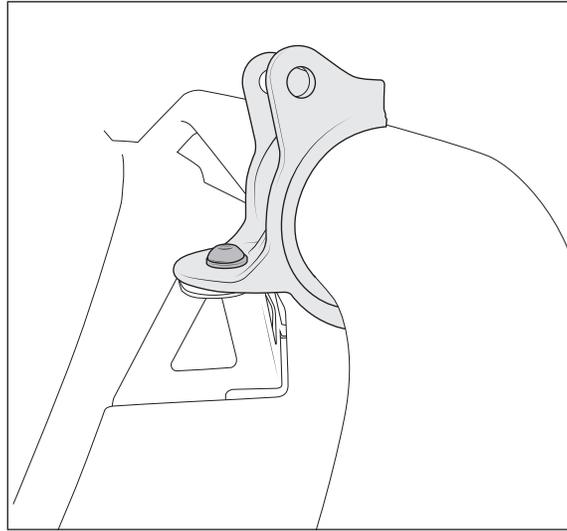


Figure 2

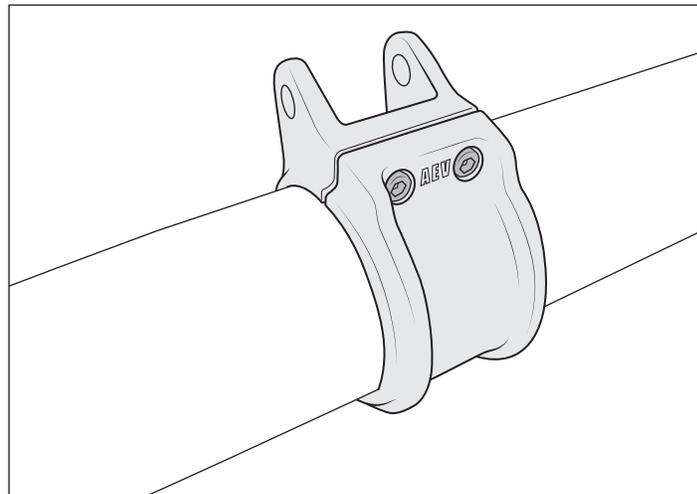


3. Install the driver-side bracket in the same method. If the vehicle is equipped with a Warn 16.5ti winch you will have to hold the solenoid pack out of the way for access. Make sure to install the M6x?? Hex head bolts in the proper orientation to allow for clearance to the solenoid pack.
4. Once both brackets are loosely installed, the light mount clamps can be installed using the provided M10x20 button head bolts, washers, and flange nuts as shown (fig. 3).



*Figure 3*

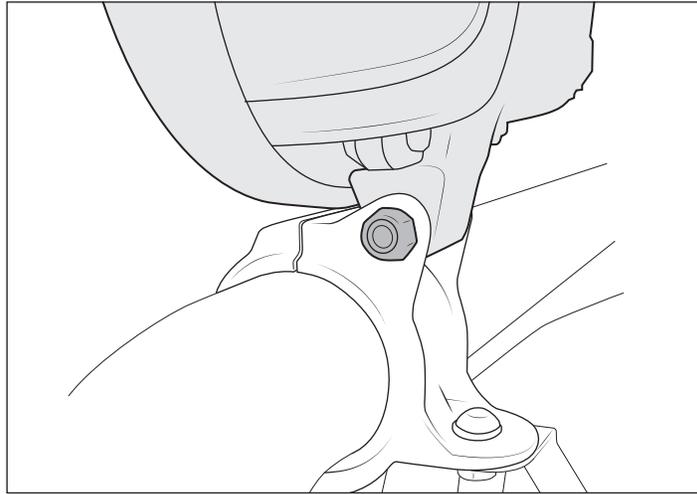
5. Check that the light mount clamps are positioned in line with one another and reinstall the four 5mm Allen screws, washers, and square nuts on both clamp assemblies (fig. 4).



*Figure 4*



6. Torque the M6 hardware on the brackets to 7 lb.-ft
7. Reinstall the winch solenoid if removed.
8. Torque M10 hardware to 43 lb-ft.
9. You can now install your AEV 7000 Series Off-road Lights onto the light mount clamps. You will need to remove the universal style stud mount bracket that comes pre-installed on the lights (fig. 5). Aim lights and torque hardware to 43 lb-ft.



*Figure 5*