



Model CVAUMP Installation Instructions

The Model CVAUMP (Construction Vehicle Alarm Universal Mounting Plate) adapts the Model CVA when mounting it to equally spaced 3, 5, 6 or 10 lug bolt patterns having approximately 2 to 9 inch bolt circles. (As purchased, the Model CVA will accommodate wheel lug bolt patterns with equally spaced 4, 8 or 12 lugs and bolt circles of approximately 2 to 13 inches.)

Important Note

Prior to assembly, carefully review the Warnings found in the Installation Instructions provided with the Model CVA. Also retain all components provided, as they will be used with this Universal Mounting Plate.

Installing the CVA Short Mounting Bracket (A) to the existing wheel hub (Fig. 1 and Fig. 2, over).

A six-lug wheel is shown as an example.

- Choose three lug bolts on the vehicle's hub (Figure 1) to attach to the CVA Universal Mounting Plate (Figure 2) and remove the lug nuts.
- Attach the three Short Mounting Brackets (A) from the Model CVA to the wheel lug, following Figure 1. Use the Clamping Washer (C) under the existing lug nut. Note: You will need Filler Washer (D) if using ½" lug bolts.
- Replace and hand tighten the lug nuts to lightly hold the Short Mounting Brackets (A) in place.

Installing the Long Mounting Brackets (B) to the Universal Mounting Plate (Fig. 2)

- Note: The Long Mounting Brackets have a long and a short leg to accommodate the lug spacing of many different wheel hubs.
- Choosing the corresponding mounting holes to the lug nuts on the CVA Universal Mounting Plate (H), lightly attach the Long Mounting Brackets (B) with the shorter (½") screws (K), flat washers (M) & stop nuts (L) as shown in Figure 2. **Note:** one of the outer holes must be left unused to mount to the Model CVA Mounting Plate (below): Five of the six screws, washers and nuts will be used in this step.

Installing the above CVAUMP assembly to the CVA Mounting Plate (Fig. 3)

- Remove the gong retaining nut from the Model CVA to expose the Mounting Plate.
- Locate the four outer mounting holes found at 90-degree intervals on the CVA Universal Mounting Plate.
- Insert the four long (1") screws (J) through the CVAUMP assembly and through the CVA Universal Mounting Plate (H).
- Secure these two assemblies with the four long screws (J), the remaining flat washers (M) and stop nuts (L) as shown in Fig. 3.

Final assembly, alignment, and test (Fig. 4)

- Replace the gong shell.
- Rotate the wheel and adjust the CVA mounting hardware so that run-out (wobble) is eliminated.
- Confirm the Model CVA operates properly before placing the vehicle in service. Follow the Adjustments section of the Model CVA Installation Instructions.
- Periodically confirm proper operation of the Model CVA on the vehicle.

Fig. 1 Mounting the CVA Short Mounting Brackets (6 lug hub with 1/2" nuts shown)

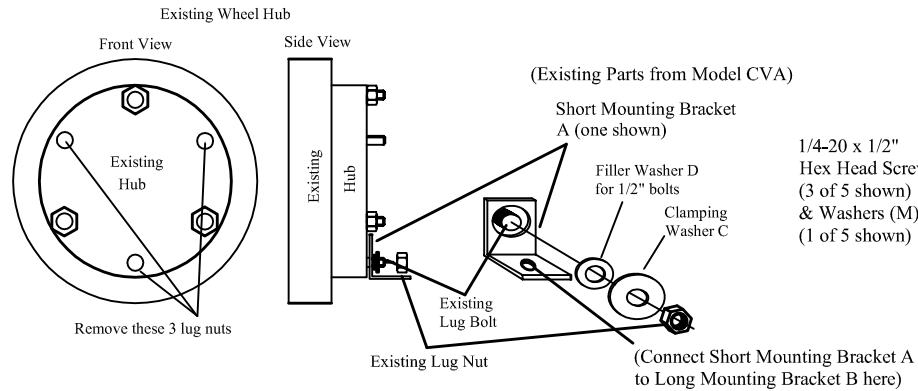


Fig. 2 Mounting the CVA Long Mounting Brackets (two shown) to the CVA Universal Mounting Plate H

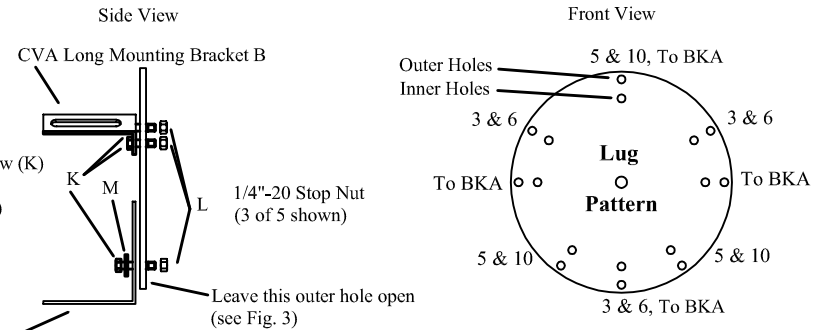


Fig. 3 Mounting the CVAUMP to the Model CVA

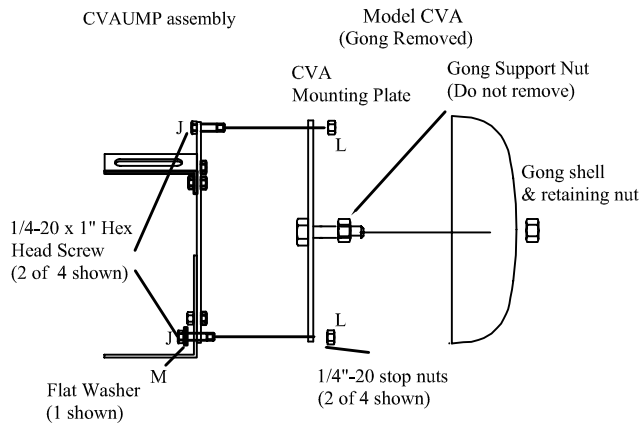
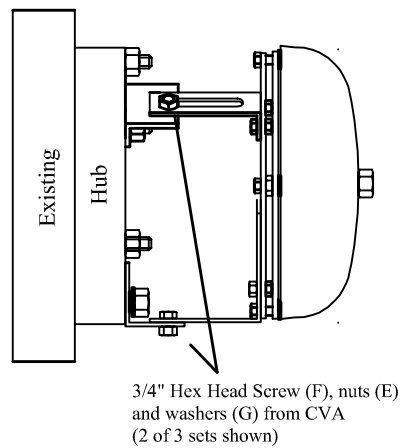


Fig. 4 Completed assembly



Parts List			
Part Number	Description	Qty.	Symbol
100725	CVA Universal Mounting Plate	1	H
300302	1" Hex. Head Screw	4	J
300413	1/2" Hex. Head Screw	5	K
310311	1/4" Stop Nut	9	L
320216	1/4" Flat Washer	6	M