

**INSTRUCTION SHEET
FOR
SIGNALMASTER™ MOUNTING KIT
MODEL 320320**

SAFETY MESSAGE TO INSTALLERS

People's lives depend on your safe installation of our products. It is important to read, understand and follow all instructions shipped with the products. In addition, listed below are some other important safety instructions and precautions you should follow:

- To properly install a light assembly, you must have a good understanding of automotive electrical procedures and systems, along with proficiency in the installation and use of safety warning equipment.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- Inspect the mounting system periodically to ensure it is in good condition.
- Refer to instruction sheet packed with light for proper electrical connections.
- File these instructions in a safe place and refer to them when maintaining and/or reinstalling the product.

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death to you or others.

A. GENERAL.

The Model 320320 is a mounting kit which allows mounting SignalMaster™ Models SML6/SML8 to lightbars without obstructing the primary warning lights. This mounting kit will also allow the SML6/SML8 to be installed on the rear deck.

B. UNPACKING.

After unpacking the kit, carefully check all envelopes, shipping labels, and tags before removing or destroying them. Ensure that the parts listed in the KIT CONTENTS LIST are contained in the packing carton.

C. KIT CONTENTS LIST.

Qty.	Description	Part No.
4	Screw, Hex Hd., 1/4 x 3/4	7011183-12
4	Lockwasher, Split, 5/16, SS	7074A020
4	Lockwasher, Split, 1/4	7074A016
4	Nut, Hex, 5/16, SS	7057A027
4	Nut, Hex, 1/4-20	7059A020
2	Block, Clamp	8552A280
2	Bracket, Mounting	8573015

D. INSTALLATION.

1. *Rear Deck.*

a. See Figure 1. Assemble the L-shaped brackets to the light assembly using the four 1/4-20 hex nuts and 1/4" split lockwashers. Do not tighten the nuts at this time.

b. Position the light assembly on the rear deck. Adjust the brackets until the light assembly is level side-to-side.

c. Using the slots in the L-shaped brackets, scribe four hole position marks on the rear deck.

CAUTION

Before drilling holes in ANY part of a vehicle, be sure that both sides of the mounting surface are clear of parts that could be damaged; such as brake lines, fuel lines, electrical wiring or other vital parts.

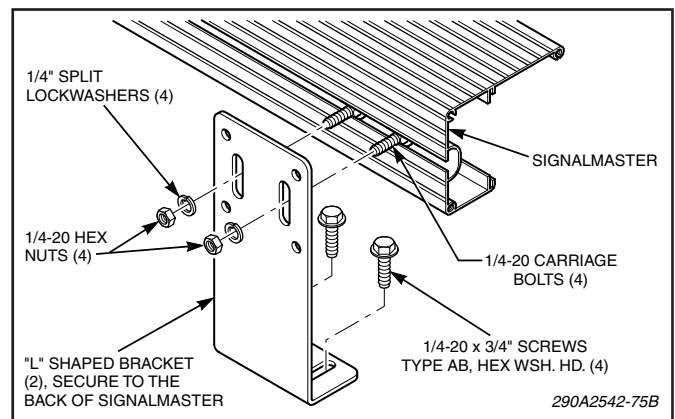


Figure 1.

d. Drill four 0.194" diameter (#10 drill) holes at the previously scribed position marks.

e. Secure the light assembly to the rear deck with the four 1/4" x 3/4" hex head type AB screws.

f. Adjust the light assembly to the desired height above the rear deck. Ensure that the light assembly is still level side-to-side, and tighten the four 1/4-20 hex nuts installed in step D.1.a.

2. *Lightbar (Federal JetSonic®, JetStream™, JetStrobe™, and AeroDync®).*

NOTE

The orientation of the L-shaped brackets must be as shown in Figure 2.

See Figure 2 and proceed as follows:

a. Assemble the L-shaped brackets to the light assembly using the four 1/4-20 hex nuts and 1/4" split lockwashers. Do not tighten the nuts at this time.

b. Remove one side of the lightbar's mounting hardware. Slide the lightbar's clamp block out of the extrusion.

c. Slide the two new clamp blocks into the extrusion. Replace the lightbar's mounting hardware. (Refer to the instructions included with the lightbar mounting kit, if necessary.) Ensure that all fasteners are tightened securely.

d. Align the new clamp blocks with the slots in the previously installed L-shaped brackets on the SignalMaster. Assemble the brackets to the new clamp blocks using the four 5/16-18 hex nuts and split lockwashers as shown in figure 2. Do not tighten the nuts at this time.

WARNING

To maintain maximum warning signal effectiveness, the SignalMaster **MUST NOT** block the lightbar's primary warning lights.

e. Adjust the SignalMaster from side-to-side and up-and-down until it is positioned as desired. Tighten the four 5/16-18 hex nuts installed in step D.2.d. Tighten the four 1/4-20 hex nuts installed in step D.2.a.

3. *Lightbar (Federal StreetHawk®).*

a. See figure 3. Assemble the L-shaped brackets to the light assembly using the four 1/4-20 hex nuts and 1/4" split lockwashers. **Do not tighten the nuts at this time.**

b. Remove the lightbar.

c. See Figure 3. Determine the SignalMaster's mounting location by locating the appropriate pre-drilled holes in the steel channel bracket of the lightbar.

d. Secure the assembly to the lightbar using four 1/4" x 3/4" hex head type AB screws as shown in figure 3.

WARNING

To maintain maximum warning signal effectiveness, the SignalMaster **MUST NOT** block the lightbar's primary warning lights.

e. Adjust the SignalMaster until it is level side-to-side, and tighten the four 1/4-20 hex nuts installed in step D.3.a.

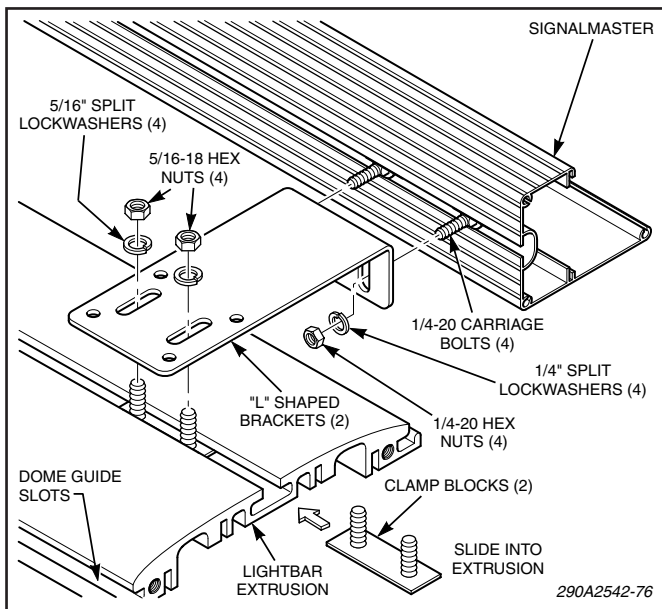


Figure 2.

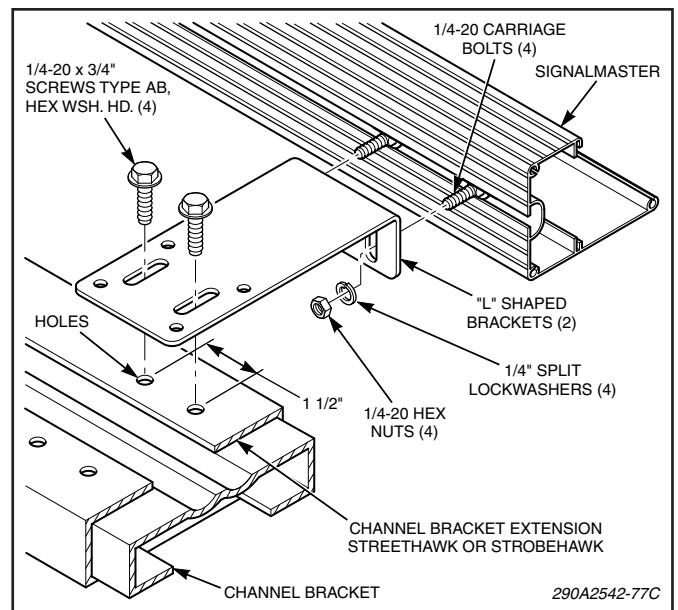


Figure 3.

f. Replace the lightbar. (Refer to the instructions included with the lightbar mounting kit, if necessary.)

4. Other Lightbars.

a. See figure 4. Assemble the L-shaped brackets to the light assembly using the four 1/4-20 hex nuts and 1/4" split lockwashers. Do not tighten the nuts at this time.

b. Remove the lightbar.

c. Determine the SignalMaster's mounting location on the lightbar's bottom surface.

d. Using the four outer holes on each L-shaped bracket as a template, scribe eight hole position marks on the lightbar's bottom surface.

CAUTION

Ensure that both sides of the surface are clear of any parts that could be damaged.

e. Drill four 0.219" diameter (7/32" drill) holes at the previously scribed position marks.

f. Secure the assembly to the lightbar using four 1/4" x 3/4" hex head type AB screws.

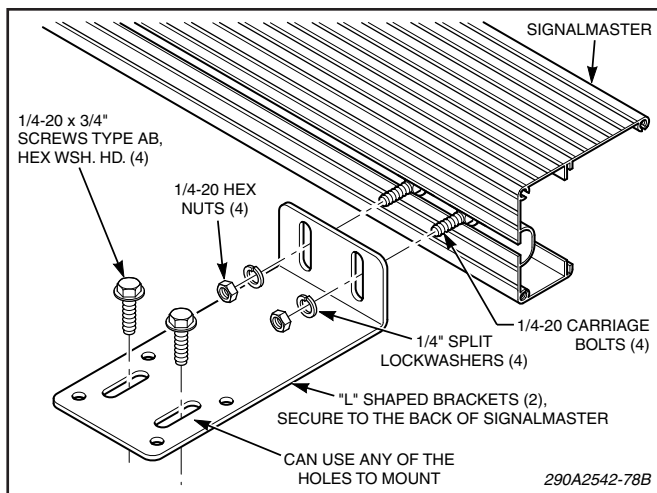


Figure 4.

WARNING

To maintain maximum warning signal effectiveness, the SignalMaster MUST NOT block the lightbar's primary warning lights.

g. Adjust the SignalMaster until it is level side-to-side, and tighten the four 1/4-20 hex nuts installed in step D.4.a.

h. Replace the lightbar. (Refer to the instructions included with the lightbar mounting kit, if necessary.)