

FLEET ENGINEERS

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Installation Sheet #INS-20011

HELLCAT®

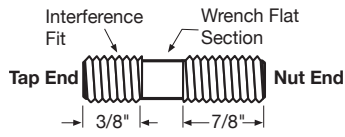
Installation Instructions

Patent #6,604,724

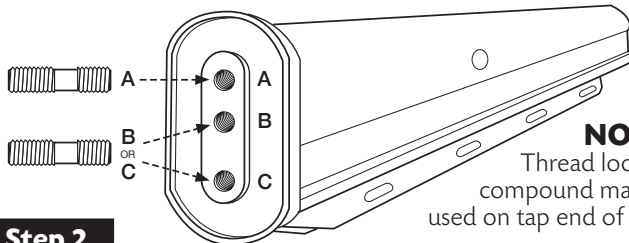
Step 1

ASSEMBLY INSTRUCTIONS

Thread the **TAP END** (short end) of stud into tapped hole (A) of the bracket frame seat all the way to the flat section using a 3/8" or adjustable wrench on the flat section.



STUD



NOTE:

Thread locking compound may be used on tap end of stud

Step 2

Thread the **TAP END** of the other stud in either tapped hole (B) or (C) of the bracket frame seat all the way to the flat section using a 3/8" or adjustable wrench on the flat section. Use hole (B) for 1-1/8" stud/hole centers. Use hole (C) for 2-1/2" stud/hole centers.

NOTE:

If frame thickness exceeds .50 in., the studs should be replaced with grade 5 or better studs or bolts of appropriate length. Make sure there is a minimum of .63 thread engagement in the frame seat.

Step 3

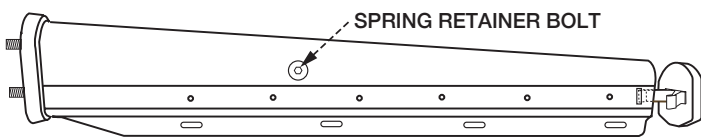
Assemble mud flap to bracket. When installing flaps always start with the bolt closest to the chassis and work your way outward, hand tighten only at this time.

Step 4

Insert the **END CAP** into the bracket one leg at a time with a rocking motion. Make sure the clips on the cap engage the slots in the bracket.

NOTE:

DO NOT attempt to tighten or loosen spring retainer bolt. This could result in release of the spring and personal injury.



Each HELLCAT Kit Includes

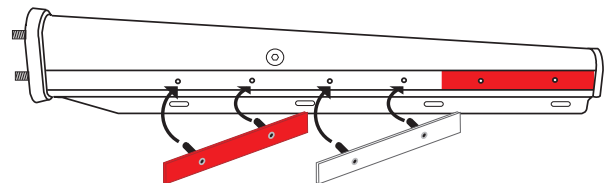
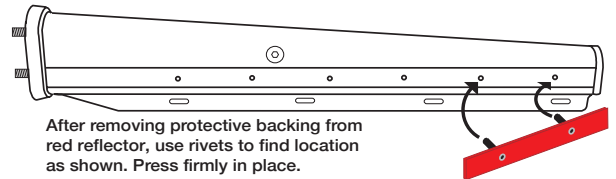
- A) 2 Tapered Brackets
- B) 4 Mounting Studs
- C) 2 Anti-Vibration Gaskets
- D) 4 Red Conspicuity Reflectors (not shown)
- E) 2 White Conspicuity Reflectors
- F) 2 End Caps
- G) 2 End cap Reflectors
- H) 4 Nuts & Lock Washers
- I) 12 Nylon Snap Rivets (not shown)
- J) 12 Plastic Hole Plugs (not shown)

Installation Sheet #INS-20011/D • 9/15

Step 5

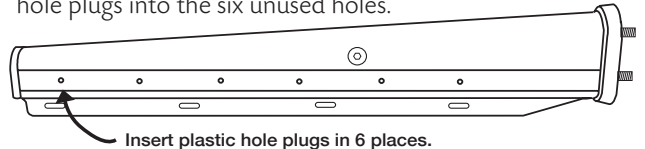
When installing **REFLECTORS**, make sure the end cap and bracket reflector recesses are clean, dry and free from any oil or dirt. The use of a cleaning solution is recommended.

View bracket from the rear as it would be mounted on the truck and start from the outside end. Insert two nylon snap rivets into the holes of a red reflector. **DO NOT** push on the heads of the snap rivets at this time. Peel the protective strip from the adhesive backing. Insert the rivets into the two mounting holes closest to the end of the bracket. Press the reflector in place. Now push the heads of the snap rivets firmly in. Repeat the process with the white reflector, placing it next to the red one. Make sure to use the snap rivets to align the reflector with the mounting holes. Do the same thing with a red reflector, placing it next to the white one.



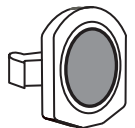
Step 6

On the opposite side of the bracket (facing tire), insert plastic hole plugs into the six unused holes.



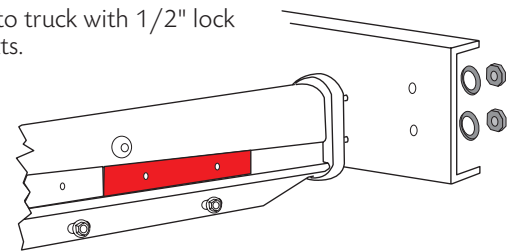
Step 7

To install round reflector on end cap, peel protective backing and press firmly in place.



Step 8 *Installing Bracket to Chassis

Fasten bracket to truck with 1/2" lock washers and nuts.



Step 9

Torque two mounting nuts to 57 ft. lbs. Torque four mud flap nuts to 13 ft. lbs. Repeat process for the other bracket.

