

# HELLCAT ENGINEERS INCORPORATED



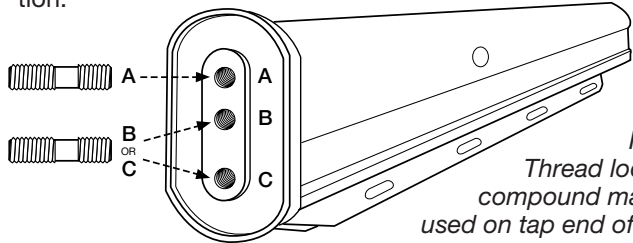
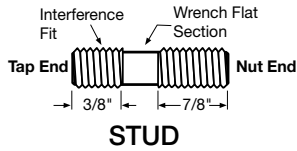
## Installation Instructions

PATENT #6,604,724

Installation Sheet #INS-20011

### ASSEMBLY INSTRUCTIONS

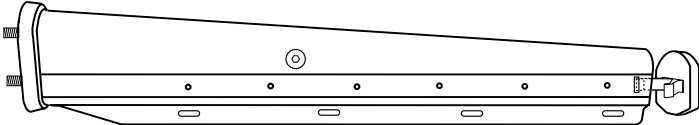
1. Thread the **TAP END** (short end) of stud into tapped hole (A) of the bracket frame seat all the way to the flat section using a 3/8" or adjustable wrench on the flat section.



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.

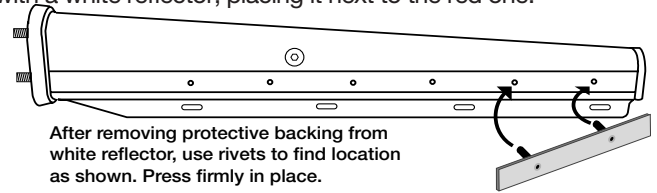
*Note: If frame thickness exceeds .50 in., the studs should be replaced with grade 5 or better studs or bolts of appropriate length. Make sure there is a minimum of .63 thread engagement in the frame seat.*

3. Assemble mud flap to bracket.
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.

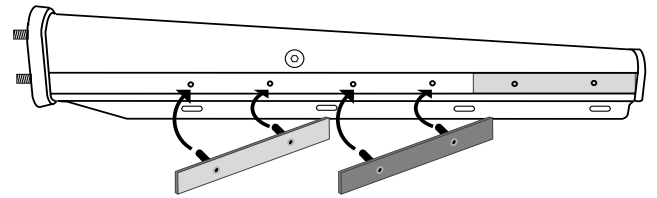


5. When installing **REFLECTORS**, make sure the end cap and bracket reflector recesses are clean, dry and free from any oil or dirt. The use of a cleaning solution is recommended.

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 white 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 red reflector, placing it next to the white one. Make sure to use the snap rivets to align the reflector with the mounting holes. Do the same thing with a white reflector, placing it next to the red one.

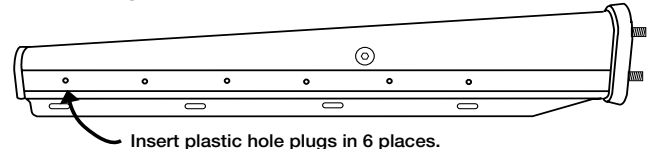


After removing protective backing from white reflector, use rivets to find location as shown. Press firmly in place.



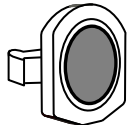
Attach the red, then the next white reflector as described above.

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



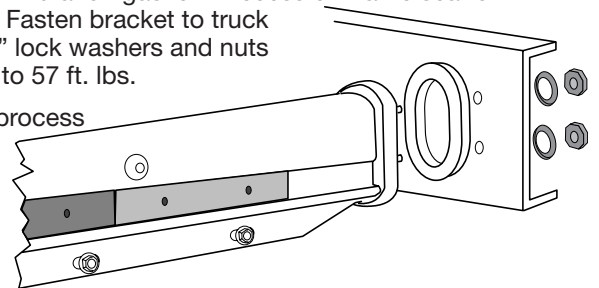
Insert plastic hole plugs in 6 places.

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



8. Place antivibration gasket in recess on frame seat of bracket. Fasten bracket to truck with 1/2" lock washers and nuts torqued to 57 ft. lbs.

9. Repeat process for the other bracket.



A) Tapered Bracket



E) White Conspicuity Reflectors

D) Red Conspicuity Reflector

B) Mounting Studs

G) End Cap Reflector

H) Nuts & Lock Washers

F) End Cap

C) Anti-Vibration Gasket

Each HELLCAT Kit Includes

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