



# VALIANT SERVICE INFORMATION BULLETIN

Group  
Frame-Bumper-  
Grille

Number 13-1

Date  
Nov. 11, 1959

Of interest to: SERVICE MGR.

SHOP FOREMAN

PARTS MGR.

MECHANICS

## SUBJECT:

### VALIANT UNDERHOOD JACK STOWAGE

Captive-Air tires will be standard equipment on all Valiant three seat Suburbans. Some owners may desire to purchase a fifth wheel, tire and jack assembly. In this case the cargo space beneath the third seat will be used for stowage of the fifth wheel.

The jack will be mounted on the right fender side shield in the engine compartment by two fabricated hold-down brackets.

Fabrication and installation instructions are as follows:

#### INSTALLATION PARTS REQUIRED

Name	Description	Number Required
Wing Nut	5/16-18 thread	(2)
Washer (Plain)	5/16 nominal size (3/8 I.D., 1 1/8 O.D., 1/16 thick)	(3)
Hex Nut	5/16-18 thread	(2)
Bolt	5/16-18 x 2 3/4 long (threaded full length)	(1)
Bolt	5/15-18 x 3 3/4 long	(1)
Strip Steel	7 1/2 x 1 x 3/32	(1)

Note: The above parts should be cadmium or zinc plated, if possible.

If full-length threaded bolts cannot be obtained, substitute a 5/16 in. dia. bolt with a 5/16-18 thread cut for a length of 1 in. on each end. A length of 3 in. can be substituted for the 2 3/4 in. bolt; and a length of 4 in. for the 3 3/4 in. bolt. A total of four (4) hex nuts will be needed.

#### Bracket Fabrication

1. Fabricate the two (2) identical brackets, shown in Views A and B, see illustration, from the piece of strip steel 7 1/2 x 1 x 3/32. Use the following procedure:

- (a) Scribe the bend lines and hole center locations on the strip stock using the bracket template.
- (b) Drill three (3) 11/32 in. dia. holes in the strip.
- (c) Cut the strip into two (2) pieces along the center line of the middle hole as indicated on the bracket template.
- (d) Bend each bracket to match the finished bracket outline.

#### Hold Down Location and Installation

1. Using the front hold down hole location template, locate the forward hole in the fender side shield, see View B. Drill a 3/8 in. dia. hole through the fender side shield at this location.
2. At a point 17 5/32 in. to the rear of the front hold down hole and approximately 1 in. from the fender side shield shelf inner edge, locate the rear hold down hole, see View A. If the hole position is anyone of the three (3) spot welds in this area, move the position slightly. It is important that none of the three (3) spotwelds be drilled out. When the position is satisfactory, drill a 3/8 in. dia. hole through the fender side shield and shock tower.
3. Through the front hole, insert the 2 3/4 in. long bolt and washer from the under side of the fender side shield. Add a washer and nut from the top and tighten securely, see View B.
4. Through the rear hole, insert the 3 3/4 in. long bolt from the under side of the fender side shield and shock tower. Add a washer and nut from the top and tighten securely. Note: Only one (1) washer is used on the rear hold down bolt, see View A.
5. If threaded stock is used in place of bolts, place a nut on the one threaded end, and a washer if required (front only). Follow the procedure outlined in Steps 3 and 4.

#### Jack Installation

1. Place the jack on the fender side shield, see illustration. Put the brackets in place and tighten the wing nuts securely.

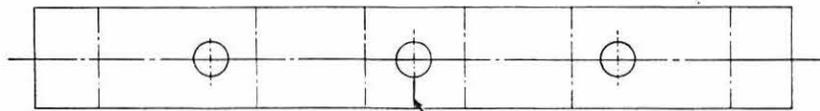
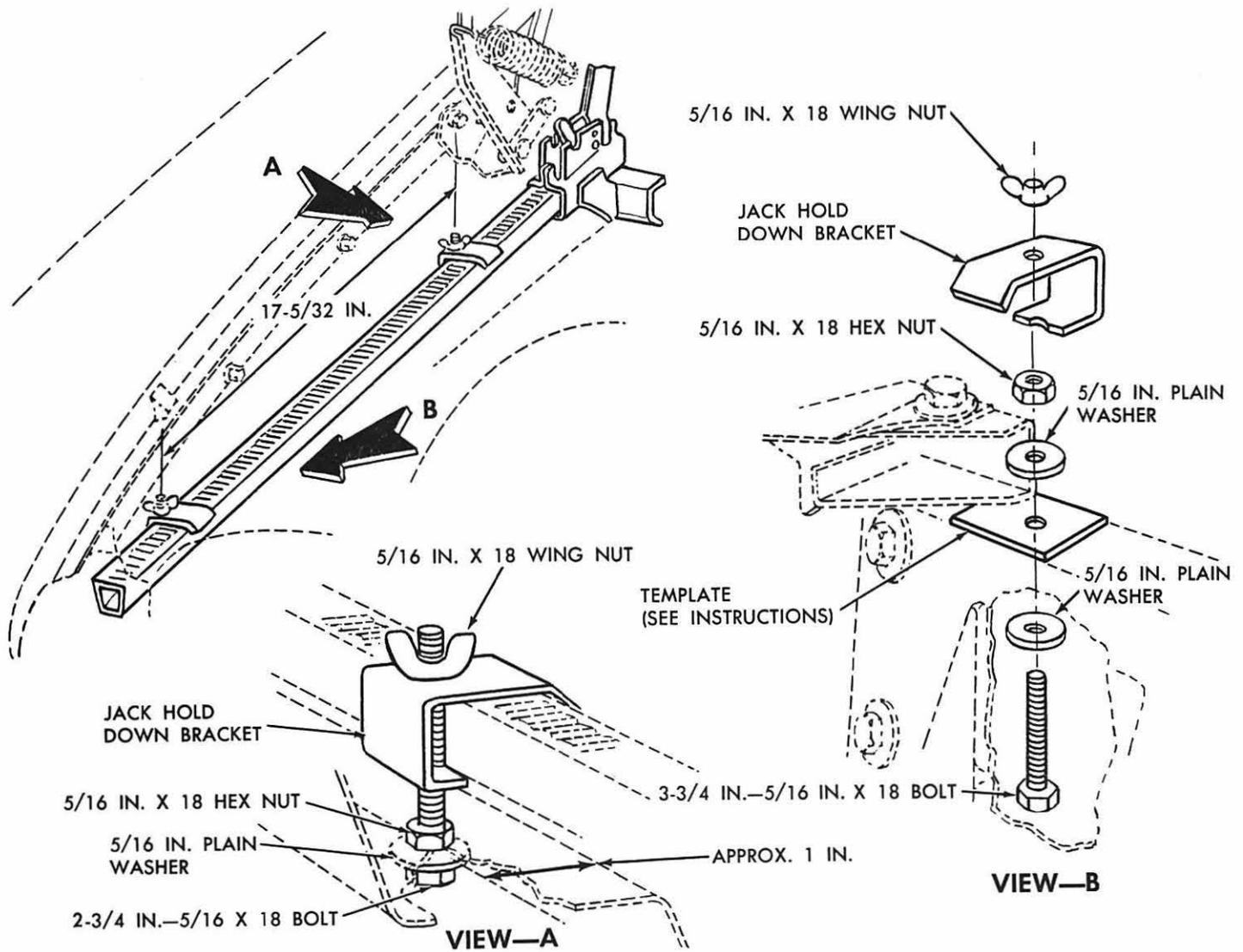
#### Tire, Base and Wheel Wrench Stowage

The spare tire, jack base and wheel wrench are stowed in the same position as the sedan. That is, the wheel wrench is placed under the tire, the jack base is placed over the center hold down stud on top of the tire, and the wing nut is tightened in place.



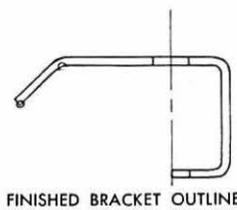
George J. Cutler  
Director of Service  
PLYMOUTH-DE SOTO VALIANT DIVISION

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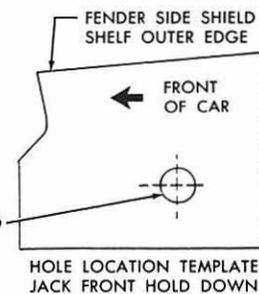


CUT ALONG THIS LINE AFTER DRILLING (3) 11/32 IN. DIA. HOLES, SPACE AS SHOWN

BRACKET TEMPLATE

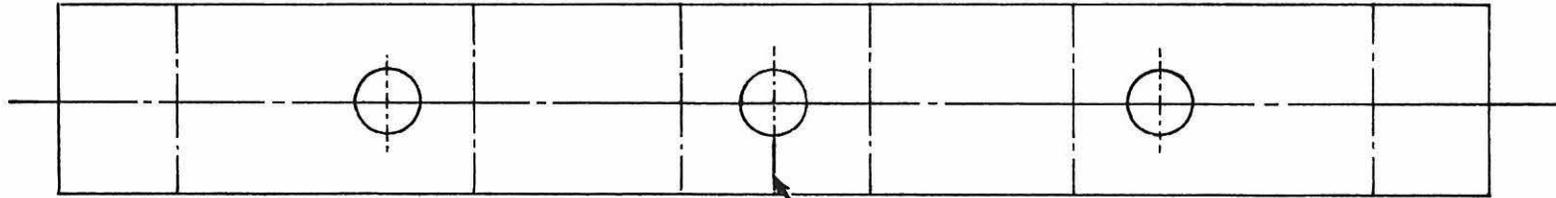


FINISHED BRACKET OUTLINE



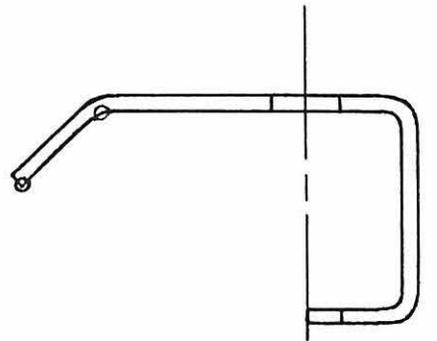
3/8 IN. DIA. HOLE DRILLED THROUGH FENDER SIDE SHIELD

HOLE LOCATION TEMPLATE JACK FRONT HOLD DOWN

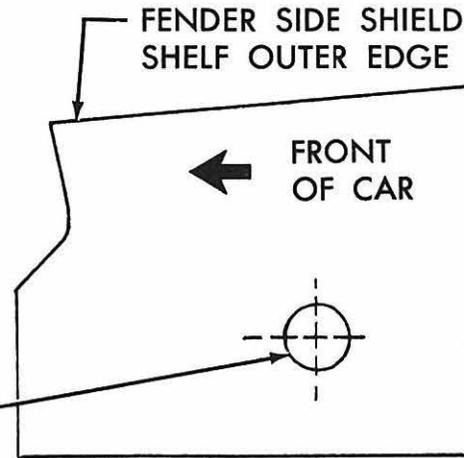


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FINISHED BRACKET OUTLINE



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