

# INSTALLATION INSTRUCTIONS

## Product

7160-0190  
DS-52 UNDERBODY SUPPORT

## Revision

Rev. A

## Form

INST-434

The DS-52 Underbody Support plate is designed to provide greater stability to the DS-52 and to distribute the clamping load across the vehicle body.

## Hardware

The DS-52 Underbody Support plate is supplied with the following hardware:

1. 4 ea. 3/8x2.00 UNC zinc coated tap bolt
2. 4 ea. 3/8 UNC zinc coated jam nut
3. 4 ea. 3/8 UNC zinc coated nylon lock nut
4. 4 ea. 3/8 zinc coated spring lock washer
5. 8 ea. 3/8 zinc coated flat washer

## Tools Required

Installation of the DS-52 Underbody Support plate will use the following tools:

1. 9/16 wrench
2. A 10-in piece of twine

## Installation

**Caution:** Before drilling holes through a vehicle floor pan inspect the drill locations for wiring, exhaust pipes, drive train components, fuel lines, and hydraulic lines.

The DS-52 Underbody Support plate can be installed in two configurations: 1) Bolts with threads down, or 2) Bolts with thread up.

### **Bolts with Thread Down**

1. After the holes have been drilled for the DS-52 Base drill one additional hole in the floor pan at the center of the hole pattern. (Figure 1)
2. Thread twine through two small center holes in the DS-52 Underbody Support plate and secure the plate in position with the four PEM fasteners aligned with the DS-52 mounting holes.
3. Position the DS-52 and secure per Figure 2.
4. Remove twine.

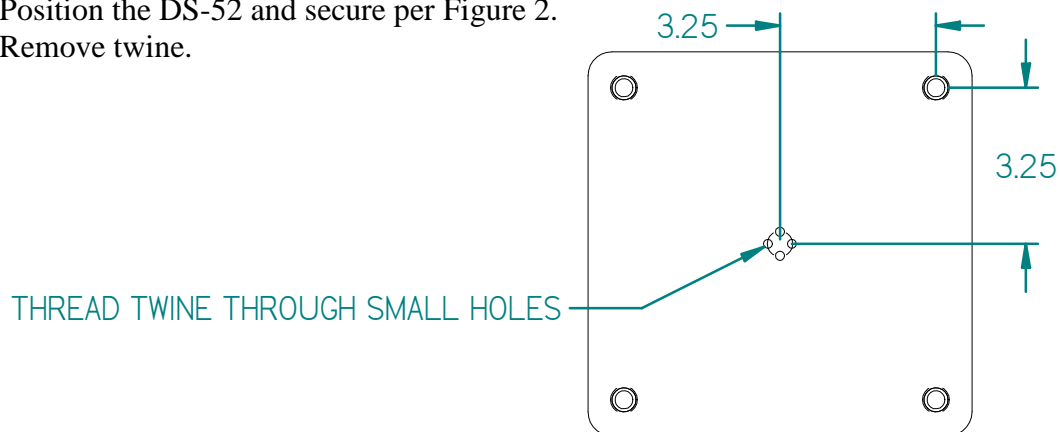


FIGURE 1

#### Product Mounting Disclaimer

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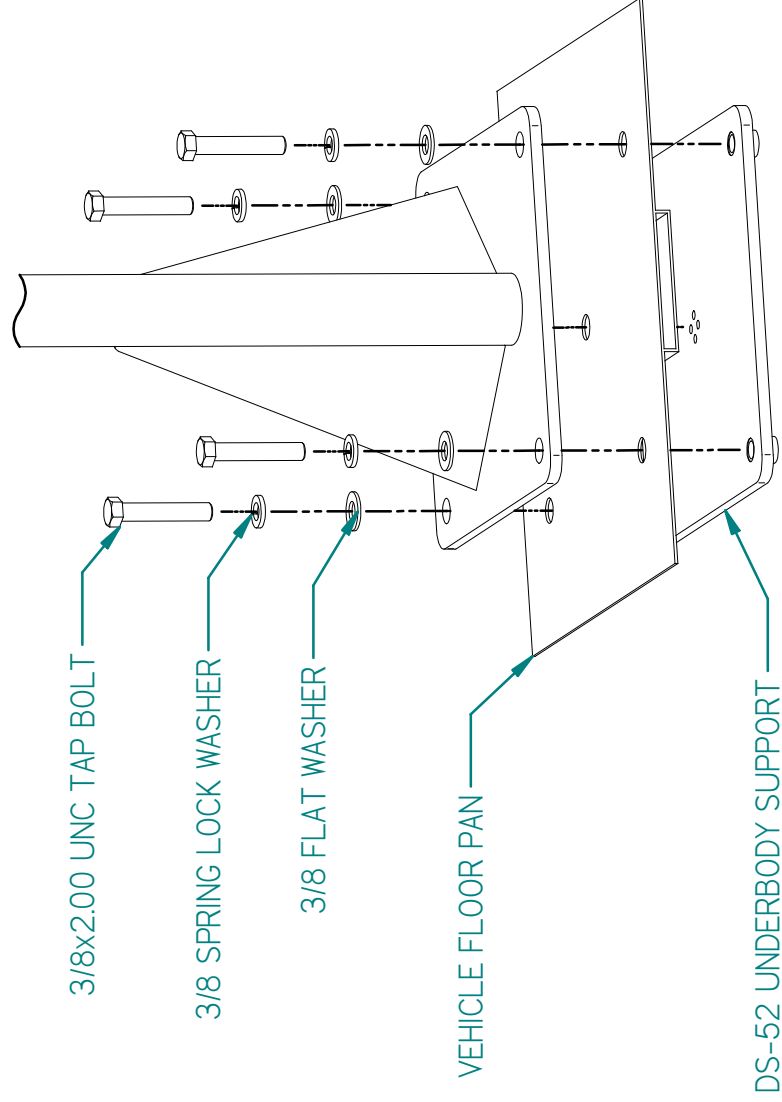


FIGURE 2

#### Bolts with Thread Up

1. After the holes have been drilled for the DS-52 Base drill one additional hole in the floor pan at the center of the hole pattern. (Figure 1)
2. Thread the (4) 3/8x2.00 bolts into the PEM nuts per Figure 3.
3. Thread twine through two small center holes in the DS-52 Underbody Support plate and secure the plate in position with the four bolts aligned with the DS-52 mounting holes.
4. Position and secure the DS-52 per Figure 3.
5. Remove twine.

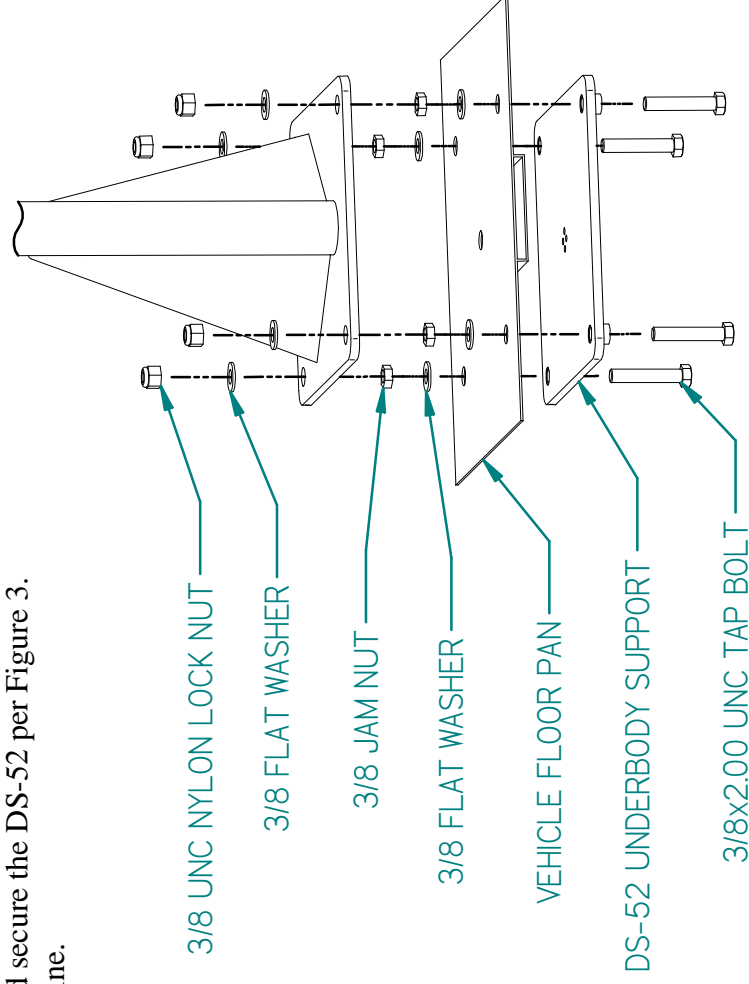


FIGURE 3