

**IMPORTANT:**

**Manufacturer is not responsible for negligent use of vehicle with Skid Plate Installed,  
Including over-tightening of screws and bolts causing damage to vehicle or guard.**

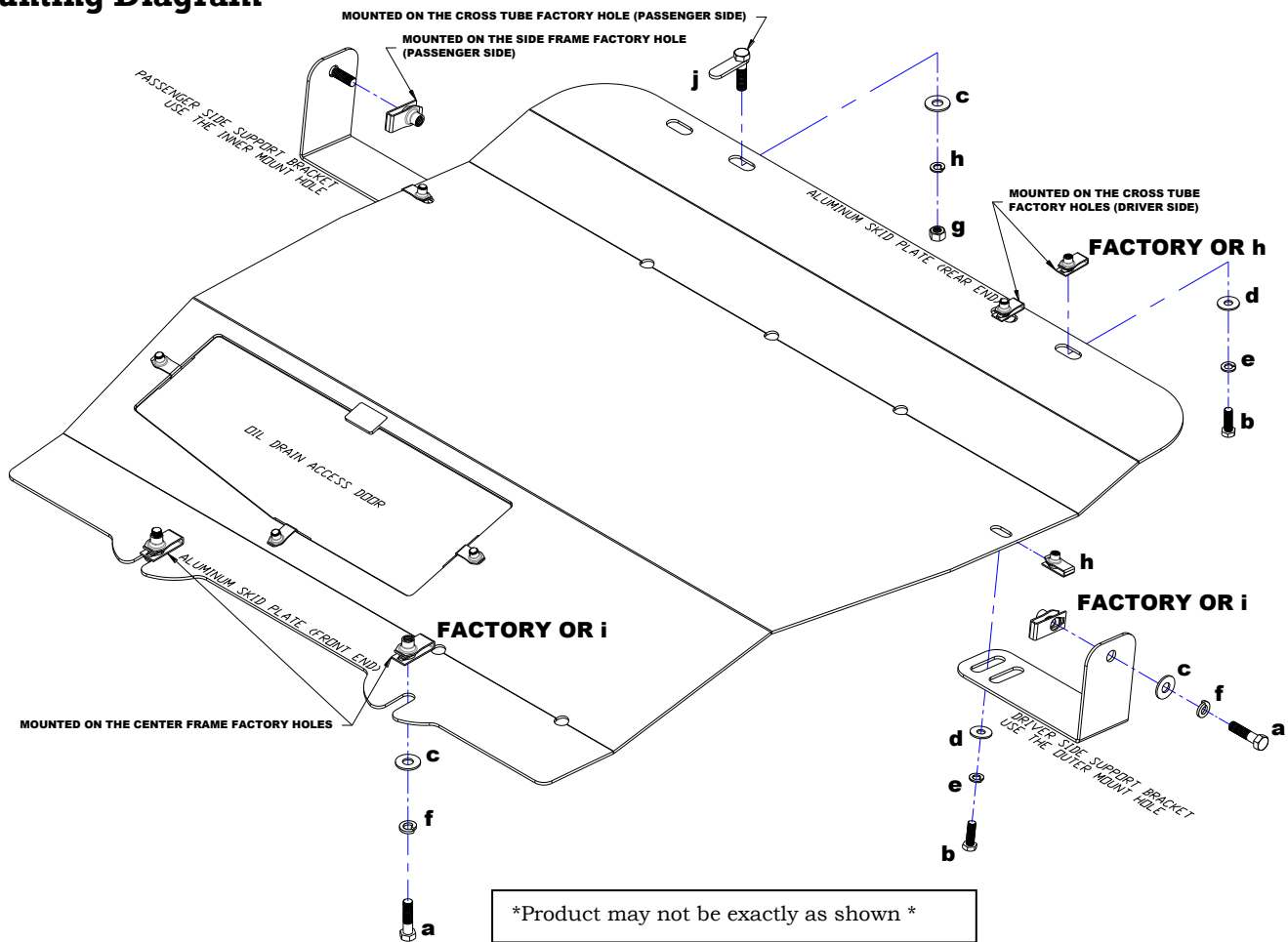
**Components**

Item Name	QTY	Part No.	Item Name	QTY	Part No.
Skid Plate	1	702442	Parts Bag	1	702359
Side Support Bracket	2	702169	Oil Drain Access Panel	1	702444

**Parts Bag #702359**

Item Name	QTY	Part No.	Item Name	QTY	Part No.
<b>a</b> Capscrew, 3/8" - 16 unc - 1.5"	4	014012	<b>f</b> Washer, lock, 3/8", helicoil	5	024006
<b>b</b> Capscrew, 5/16" - 18unc x 1"	7	014022	<b>g</b> Nut, hex, 3/8" - 16 unc	1	025015
<b>c</b> Washer, flat, 3/8"	5	018046	<b>h</b> Spring nut, 5/16" - 18 unc	7	028005
<b>d</b> Washer, flat, 5/16"	7	018047	<b>i</b> Spring nut, 3/8" - 18 unc	4	028007
<b>e</b> Washer, lock, 5/16", helicoil	7	024002	<b>j</b> T-bolt welded assembly, 3/8"	1	762236

**Mounting Diagram**



Please check out Truck Hardware's YouTube channel to see an install video for this application.

## 2.7L, 3.5L Ecoboost & 3.3L Naturally Aspirated, With Factory Skid Plate

(Consumes: (4) 5/16" spring nuts, (4) 5/16" flat washers, (4) 5/16" lock washers, (4) 5/16" capscrews, (1) 3/8" T-bolt, (1) 3/8" flat washer, (1) 3/8" lock washer & (1) 3/8" hex nut.)

**Recommended wrenches:**

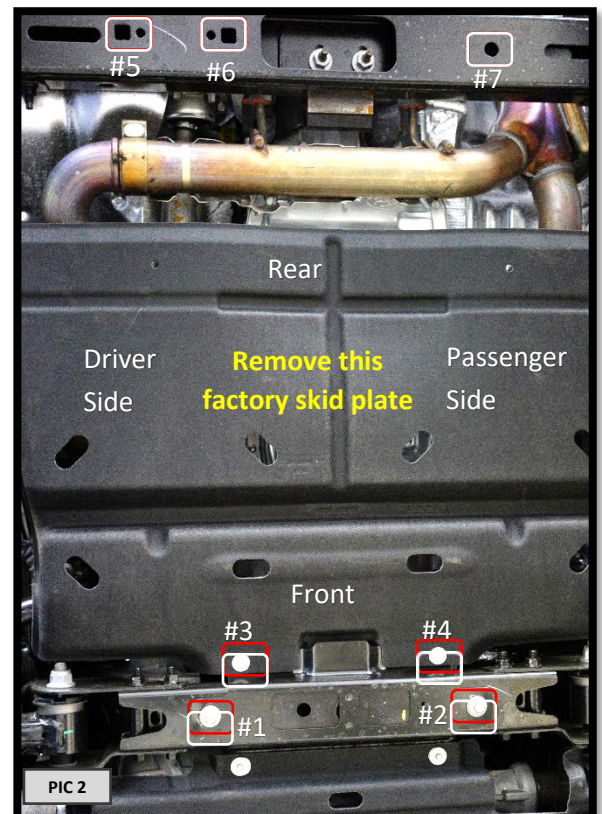
- 13mm for larger factory screws (e.g. #1 & 2 in Pic 2)
- 5/16" for smaller factory screws (e.g. #3 & 4 in Pic 2)

1. Remove factory screws from truck holes #1 & #2 (Pic 2) and keep them for later use.
2. Remove factory brackets from driver and passenger side (shown in Pic 1) and rear factory skid plate (shown in Pic 2). Reinstall and tighten the factory fasteners taken from this step.
3. Install (2) 5/16" spring nuts on truck holes #5 & #6, and (1) T-bolt on truck hole #7 (arm into hole), as shown in Pic 2.
4. Install (2) 5/16" spring nuts on skid plate slots #1 & #2 (shown in mounting diagram).



Note: Leave fasteners loosely installed in Steps 5-7 below.

5. Install skid plate with factory screws taken from Step 1 through holes #1 & #2 (Pic 2) and with (2) 5/16" flat washers & (2) 5/16" lock washers & (2) 5/16" capscrews through holes #5 & #6 (Pic 2) and with (1) 3/8" flat washer & (1) 3/8" lock washer & (1) 3/8" nut through hole #7 (Pic 2)
6. Install two supplied support brackets to the same place as the previously removed factory bracket in step 2 with the factory spring nuts and factory bolts as shown in the mounting diagram.
7. Fasten brackets and skid plate with (2) 5/16" flat washers & (2) 5/16" lock washers & (2) 5/16" capscrews.
8. Adjust the position of skid plate and brackets, and tighten all fasteners.



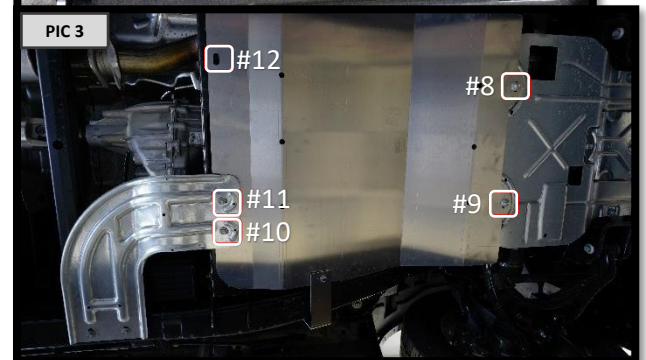
## 5.0L V8 With Factory Skid Plate

(Consumes: (2) 5/16" spring nuts, (2) 5/16" flat washers, (2) 5/16" lock washers, (2) 5/16" capscrews, (2) 3/8" spring nut, (2) 3/8" capscrews, (1) 3/8" T-bolt, (3) 3/8" flat washer, (3) 3/8" lock washer & (1) 3/8" hex nut.)

1. Remove factory screws from truck holes #8 to #11 (Pic 3) and keep them for later use.
2. Install (1) T-bolt on truck hole #7 (arm into hole) shown in Pic 2.
3. Install (2) 5/16" spring nuts on skid plate slots #1 & #2 (shown in mounting diagram).
4. Go to the driver side of the truck, and install (1) 3/8" spring nut on hole #13 (Pic 4). Repeat for passenger side.

Note: Leave fasteners loosely installed in Steps 5-7 below.

5. Install the skid plate through holes #8 to #11 with factory screws taken from Step 1, and with (1) 3/8" flat washer & (1) 3/8" lock washer & (1) 3/8" nut through hole #12 (Pic 3).
6. Install two supplied support brackets to the same place as in step 4 with the factory spring nuts and the supplied fasteners (two 3/8" flat washers, two 3/8" lock washers and two 3/8"x1-1/2" capscrews through its hole onto hole #13 on the truck (See picture #4).
7. Fasten brackets and skid plate with (2) 5/16" flat washers & (2) 5/16" lock washers & (2) 5/16" capscrews.
8. Adjust the position of skid plate and brackets, and tighten all fasteners.



## 2.7L,3.5L Ecoboost & 3.3L Naturally Aspirated Without Factory Skid Plate

(Consumes: (4) 5/16" spring nuts, (4) 5/16" flat washers, (4) 5/16" lock washers, (4) 5/16" capscrews, (4) 3/8" Spring Nut, (4) 3/8" capscrews, (1) 3/8" T-bolt, (5) 3/8" flat washer, (5) 3/8" lock washer & (1) 3/8" hex nut.)

1. Install (2) 3/8" spring nuts on truck holes #1 & #2 (Pic 2), (2) 5/16" spring nuts on truck holes #5 & #6 (Pic 2), and (1) 3/8" T-bolt on truck hole #7 (Pic 2) (arm into hole).
  2. Install (2) 5/16" spring nuts on skid plate slots #1 & #2 (shown in mounting diagram).
  3. Go to the driver side of the truck and install (1) 3/8" spring nut on truck hole #13 (Pic 4). Repeat for passenger side.
- Note: Leave fasteners loosely installed in Steps 4-6 below.
4. Install skid plate with (2) 3/8" flat washers & (2) 3/8" lock washers & (2) 3/8" capscrews through holes #1 & #2 (Pic 2), and with (2) 5/16" flat washers & (2) 5/16" lock washers & (2) 5/16" capscrews through holes #5 & #6 (Pic 2), and (1) 3/8" flat washer & (1) 3/8" lock washer & (1) 3/8" nut through hole #7 (Pic 2).
  5. Install two supplied support brackets to the same place as in step 4 with the factory spring nuts and the supplied fasteners (two 3/8" flat washers, two 3/8" lock washers and two 3/8"x1-1/2" capscrews through its hole onto hole #13 on the truck (See picture #4).
  6. Fasten brackets and skid plate with (2) 5/16" flat washers & (2) 5/16" lock washers & (2) 5/16" capscrews.
  7. Adjust the position of skid plate and brackets, and tighten all fasteners.

### Access Door Installation

1. Install three 5/16" spring nuts on each hole on the oil drain opening of the skid plate (See Diagram)
2. Slide the opened tabs of the access door to the back edge of the oil drain opening.
3. Fasten the three mount tabs on the access door to the three spring nuts previously installed in step one with three 5/16" flat washers, three 5/16" lock washers, and three 5/16" x 1" capscrews.

