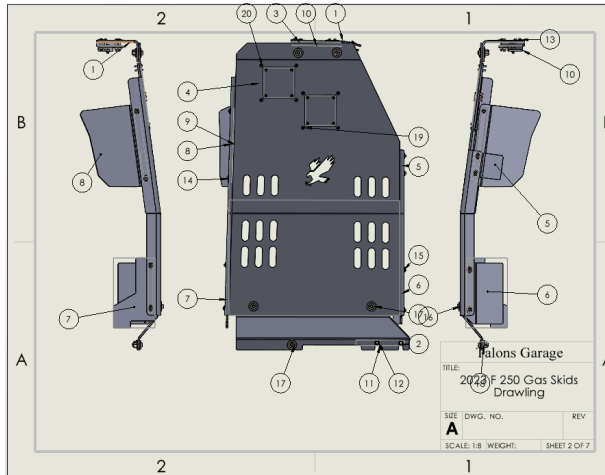


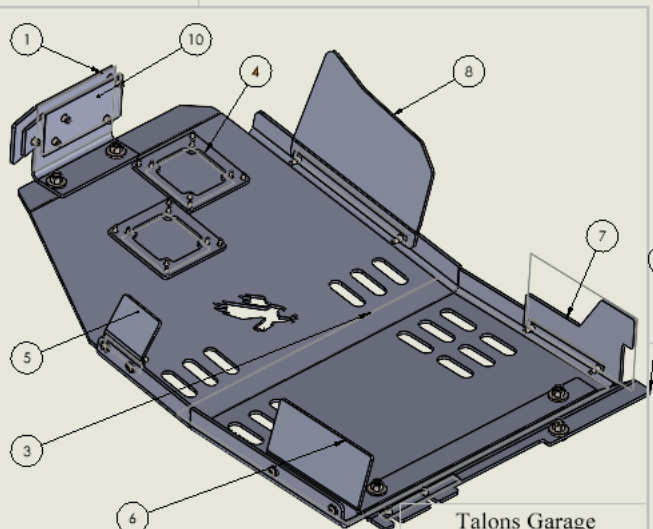
## 2020-2023 F-250/350 Transmission Skid Plate Install



ITEM NO.	PART NUMBER	QTY.
1	F 250 4G 7.3 TM Mount A	1
2	F 250 4G 7.3 TM Mount B	1
3	F 250 4G 7.3 TM Plate A	1
4	16-23 Tacoma Oil drain Door	2
5	F 250 4G 7.3 TM Plate B	1
6	F 250 4G 7.3 TM Plate C	1
7	F 250 4G 7.3 TM Plate D	1
8	F 250 4G 7.3 TM Plate E	1
9	F 250 4G 7.3 TM Nutplates	1
10	F 250 4G 7.3 TM Nutplate B	1
11	F 250 4G 7.3 TM Nutplate	1
12	M8 Rivnut G3.8-7.9 PN130-1543	15
13	0.0375 Fender Washer	5
14	MBX1.25X40MM Button Head Bolts	13
15	M8 Washer	8
16	M12 Washer	10
17	M12X1.75X30mm Button Head bolts	5
18	M12 Nylon Lock Nut	5
19	M5 Washer	16
20	M5X0.8X25mm Button Head Bolts	16

**Talons Garage**  
 TITLE: 2023 F 250 Gas Skids Drawing  
 SIZE: DWG. NO. REV  
**A**  
 SCALE: 1:8 WEIGHT: SHEET 2 OF 7

ITEM NO.	PART NUMBER	QTY.
1	F 250 4G 7.3 TM Mount A	1
2	F 250 4G 7.3 TM Mount B	1
3	F 250 4G 7.3 TM Plate A	1
4	16-23 Tacoma Oil drain Door	2
5	F 250 4G 7.3 TM Plate B	1
6	F 250 4G 7.3 TM Plate C	1
7	F 250 4G 7.3 TM Plate D	1
8	F 250 4G 7.3 TM Plate E	1
9	F 250 4G 7.3 TM Nutplates	1
10	F 250 4G 7.3 TM Nutplate B	1
11	F 250 4G 7.3 TM Nutplate F	1
12	M8 Rivnut G3.8-7.9 PN130-1543	15
13	0.0375 Fender Washer	5
14	MBX1.25X40MM Button Head Bolts	13
15	M8 Washer	8
16	M12 Washer	10
17	M12X1.75X30mm Button head bolts	5
18	M12 Nylon Lock Nut	5
19	M5 Washer	16
20	M5X0.8X25mm Button Head Bolts	26



**Talons Garage**  
 TITLE: 2023 F 250 Gas Skids Drawing  
 SIZE: DWG. NO. REV  
**A**  
 SCALE: 1:6 WEIGHT: SHEET 3 OF 7

NOTE: Riv nuts are pre-installed and will not be in hardware kit.

Tools Required		
5mm Allen head bit	6mm Allen head bit.	8mm Allen head bit
5.5 mm Allen head bit	3mm Allen head bit	10mm Allen head bit



## 2020-2023 F-250/350 Transmission Skid Plate Install

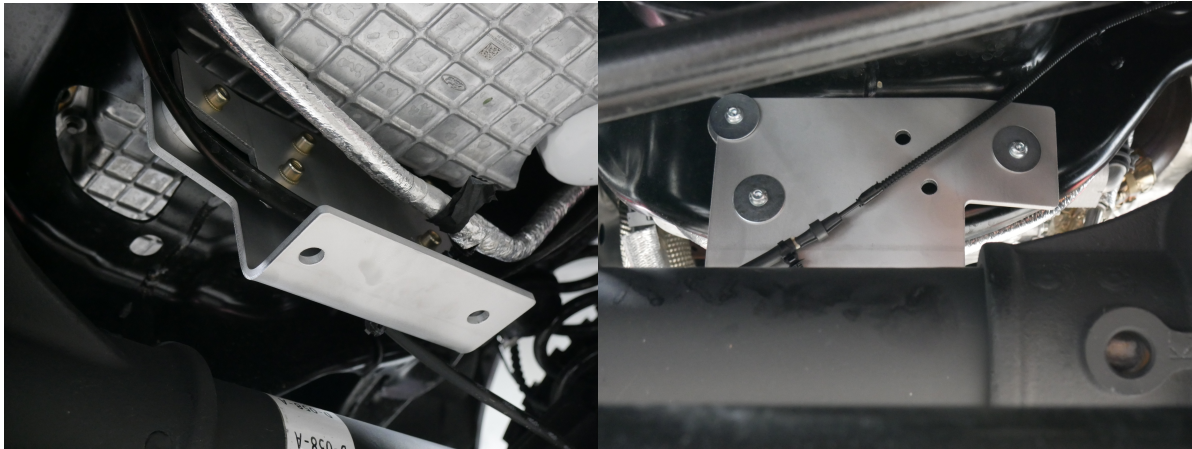
Installation is to be done at your own risk. Talons Garage is not responsible for any damage that occur during or after installation. Professional installation is recommended. Check for all included hardware and parts before starting install.

We know for a lot of users this might be their first mechanical project. Cool, and great choice! A few notes about button head bolts for those who have not used them before. We recommend using a high-quality Allen head bit for installing our button head bolts. This will dramatically prevent the chances of stripping the heads. We also strongly discourage the use of impact tools. Ensure the Allen bit is seated into the bolt fully before applying torque to the fastener. It is normal to have a tight fit. For the most part our M8 bolts are a 5mm Allen bit, our 3/8-16X4" bolts are 7/32 and our M10 bolts are 5.5 or 6mm bits. Use care not to confuse the 7/32 and the 5mm bits as they are close in size.



1. Start by laying out all parts to the kit. You will want to install the four side pieces to the plate first. Each piece has a corresponding nut plate. The photo above shows proper orientation of parts 5,6,7 and 8. These parts are F-250 plate B, C, D, and E respectively. Please note that the corresponding nut plates go with each plate. They are not marked, but the holes are all different spacing so they will only line up to their proper plate. This is to allow adjustment of the plates during/after installation. Please note that Plate E (passenger side front plate) will not be able to be tightened or loosened once installed and should be tightened beforehand. Note, due to design tolerances in the exhaust, the side pieces may need to be installed on the outside of the flanges to give more room.

## 2020-2023 F-250/350 Transmission Skid Plate Install



2. Install F-250 4G TM Mount A. This is figure one on the photos above. This plate will mount to the front of the engine crossmember. Please note that 2020-2023 and some 2023+ trucks will have different mounting hole configurations, so not all holes will be used.

Each Cross member will have one or two wires secured to the crossmember with plastic fasteners. You will need to remove these fasteners to use as mount points. The 2020-2022 trucks should use 4 holes total, and the 2023+ trucks will only use 3 of the holes on the mount plate. Zip tie these in a safe location after installation is complete.

Mount A will mount to the front side of the crossmember. Nut plate B will go on the back side and allow the bolts to a place to thread into. There will also be round aluminum spacers that go between Mount A and the crossmember towards the front of the truck. It is normally easiest to get one bolt started, then slip in the spacers on the remaining bolts, then to come back and install spacer on remaining bolt. This is where you will use the M8x50mm button head bolts along with the 3/8 Fender washers. It is also critical to come back and check these bolts for loosening after 100 miles, 500 miles and periodically afterwards.

3. Obtain F-250 4G 7.3 TM Mount B. It is item 2 on the above parts list. You will want to install this on the transmission plate. Please note this is slotted for adjustment and may need adjusted on your truck. It is possible to get to the nuts with the plate installed with a combination wrench, but it is not super easy to get to. It is recommended to tighten down the plate on the ground, and then if adjustment is needed to remove the plate and do so.

## 2020-2023 F-250/350 Transmission Skid Plate Install



4. Loosen the two bolts on the transfer case skid plate that go to the transfer case cross member. You will want to back them out as far as possible while still leaving enough thread engaged to hold the transmission plate up. You will also need to loosen the transfer case skid plate bolts on the side of the frame. During installation Mount B installed to the transmission plate will slide between the transmission skid and cross member. This will also help support the transmission plate when you go to install the front bolts.

## 2020-2023 F-250/350 Transmission Skid Plate Install



5. Pick up plate and install the rear portion between the transfer case skid plate and the frame. Ensure the bolts are still threaded enough to help hold the weight.

## 2020-2023 F-250/350 Transmission Skid Plate Install



6. While the rear of the plate is partially supported you can attach the front of the transmission plate to Mount A with 2 -M12x30mm long button head bolts, washers, and nylon lock nuts. A third M12 button head bolt will go in the slot in the center of the photo in step 5.
7. Install two oil door mounts and oil doors with included M5 button head bolts and washers.
8. Be sure to come back and check bolts for tightness in 100 miles, 500 miles and periodically thereafter.

Enjoy your new protection! Don't forget to take a photo of your new skid plates and upload them to your favorite social media platform. We love seeing our plates in the wild.

Thank you for your support!

Shaun and Crystal