

# ROUGH COUNTRY

## Toyota 2016-23 Tacoma Hood Assist Kit

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.

If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product. Check all fasteners for proper torque. Check to ensure for adequate clearance between all components. Periodically check all hardware for tightness.

### Kit Contents:

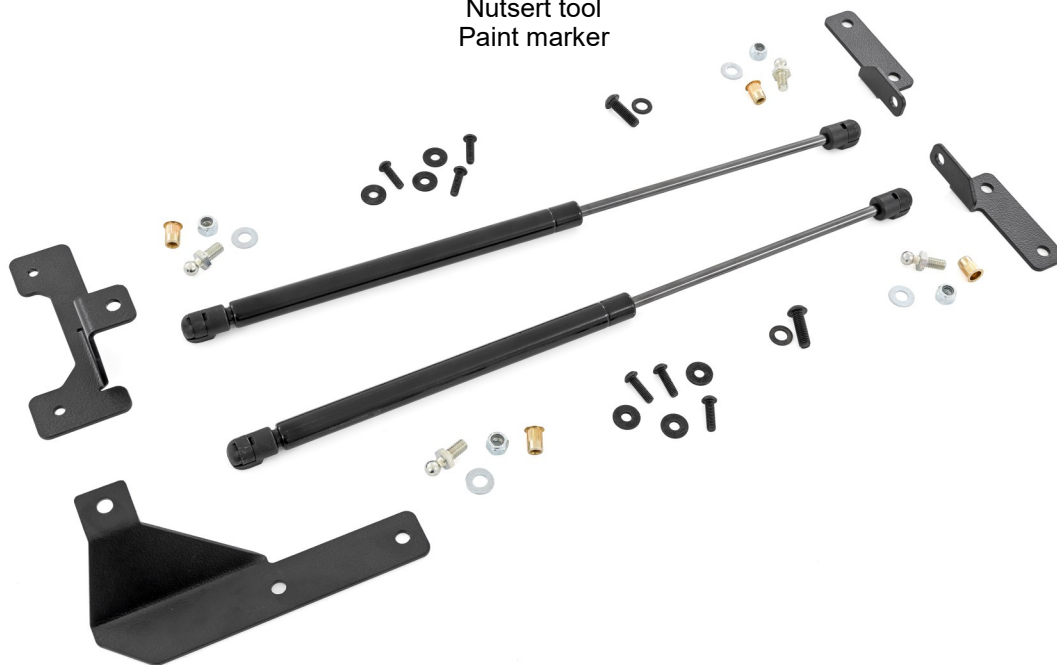
Gas cylinder hood assist x2  
Driver Side Fender Bracket x1  
Pass Side Fender Bracket x1  
Driver Side Hood Bracket x1  
Pass Side Hood Bracket x1

### Tools Needed:

10mm Wrench or Socket  
13mm Wrench or Socket  
4mm Allen Wrench  
5mm Allen Wrench  
25/64 Drill Bit  
Corded/Cordless Drill  
**RC Nutsert Toolkit  
#10583**  
Nutsert tool  
Paint marker

### Hardware Included:

M6-1.0 x 20mm Stainless Blk Bolt x6  
M6-1.0 Nutsert x4  
M6 Stainless Blk Flat Washer x6  
M8 Stainless Blk Flat Washer x2  
M8-1.25 x 25 Stainless BHB x2  
5/16" -18 Nylock Nut x4  
Stud for Hood Assist cyl. x4  
5/16" Flat Washer SAE x4



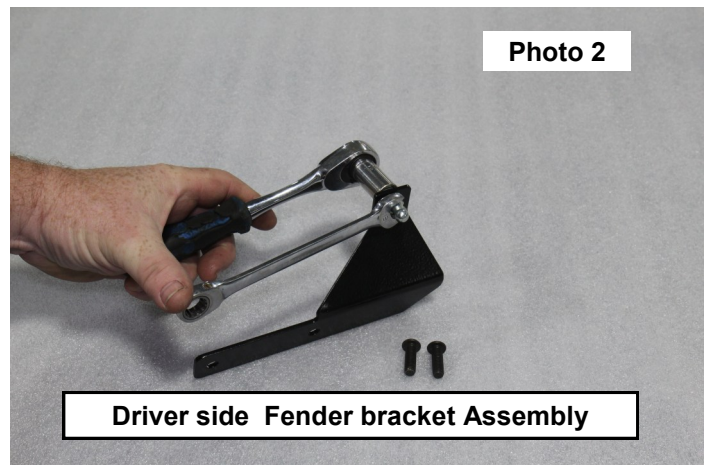
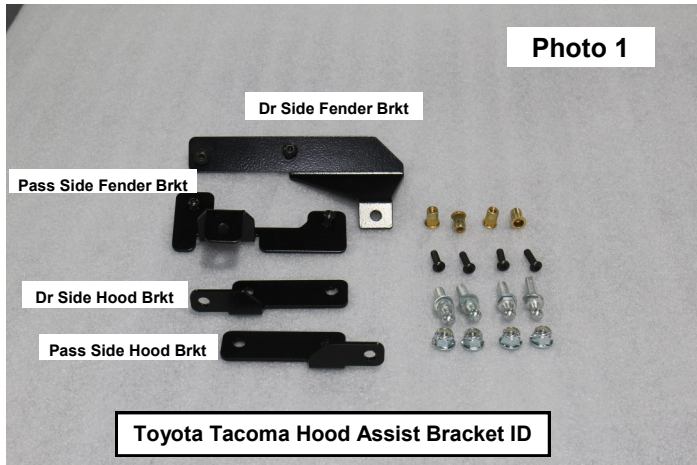
### Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4"	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

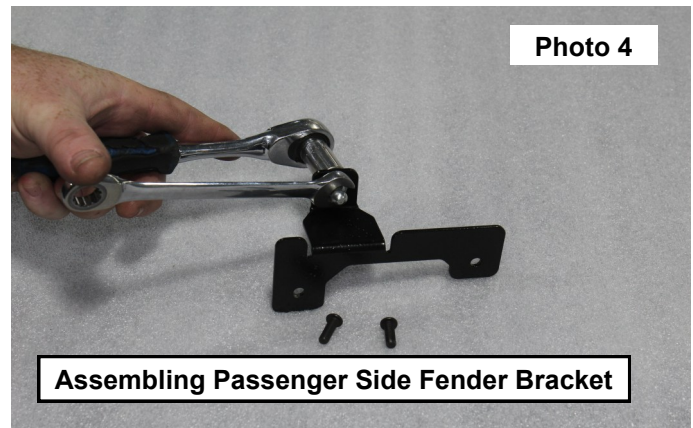
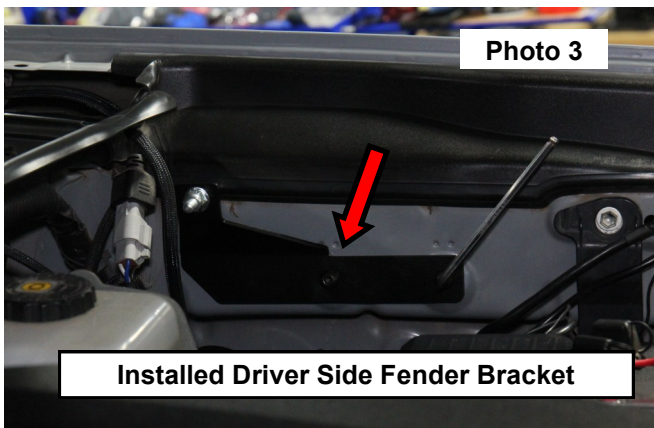


## INSTALLATION INSTRUCTIONS

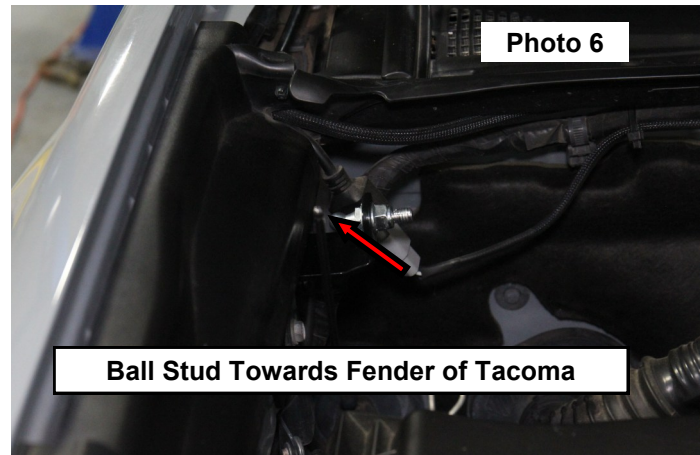
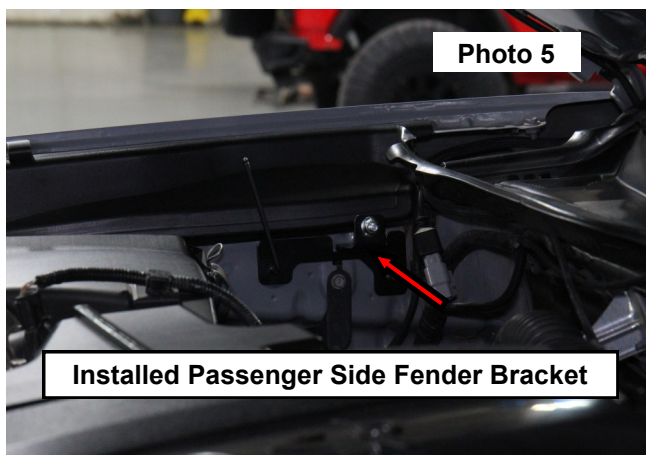
1. Prior to installation of Tacoma Hood Assist locate and identify all bracket in kit box. Prior bracket assembly is required before install. **See Photo 1**
2. Locate the driver side fender bracket and assemble one of the ball studs to it as shown in photo using a 13mm socket/wrench. **See Photo 2**



3. Locate the kit supplied 8mm x 25mm bolts and washers and install the driver side fender bracket onto Tacoma using a 5mm Allen to tighten. Loosely tighten at this time. **See Photo 3**
4. Locate and assemble the passenger side fender bracket with kit supplied ball stud using a 13mm socket/wrench as shown in photo. **See Photo 4**



5. Locate the kit supplied 6mm x 20mm bolts and washers and install the assembled passenger side fender bracket onto Tacoma using a 4mm Allen wrench to tighten. Tighten loosely at this time. Insure that ball stud is towards fender of Tacoma. **See Photo 5 and Photo 6**



6. Locate the hole in the center of the outside edge of the hood and use a 25/64 drill bit and a corded/cordless drill to open hole up for nutsert placement. This will be performed on both sides of the hood of the Tacoma. **See Photo 7**
7. **Note:** Prior to drilling hole, tape drill bit to set safe depth of drill bit so outside of hood is not damaged. 1/4" at most is best recommended to insure safety of hood. **See Photo 8**

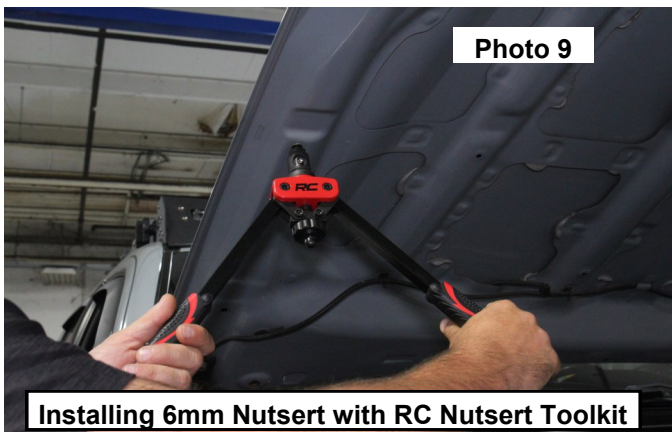


**Center Hole for Hood Bracket Install**



**Tape marking drill depth**

8. Once hole has been opened up the 6mm nutsert can be installed using the **RC Nutsert toolkit #10583** or nutsert tool. **See Photo 9**
9. With nutsert installed, the hood bracket can be installed and be used as a templet to mark and drill second install hole with the 25/64" drill bit. Loosely tighten 6mm bolt at this time using a 4mm Allen wrench. Install bracket as shown in Photo **See Photo 10**



**Installing 6mm Nutsert with RC Nutsert Toolkit**

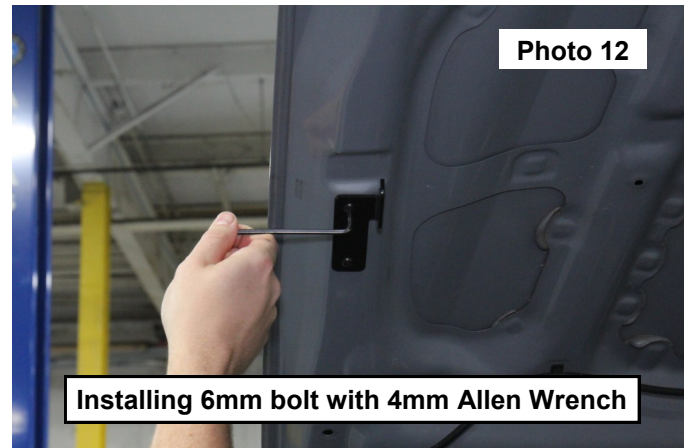


**Installed Hood Bracket for 2nd Hole Location**

10. Once hood bracket is installed use it to mark the second install hole with a paint marker then drill new hole with the 25/64" drill bit. Install hood bracket as shown. **See Photo 11**
11. With second install hole drilled, the 6mm nutsert can be added so the hood bracket can be fully installed using a 6mm x 20mm bolt tightened with a 4mm Allen wrench. **See Photo 12**

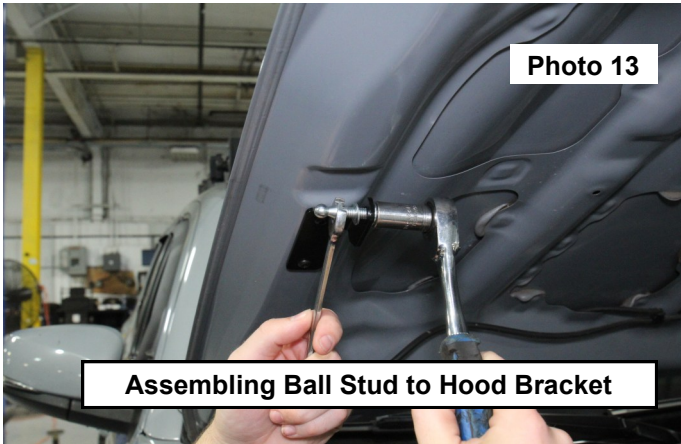


**Marking 2nd install hole to be drilled**

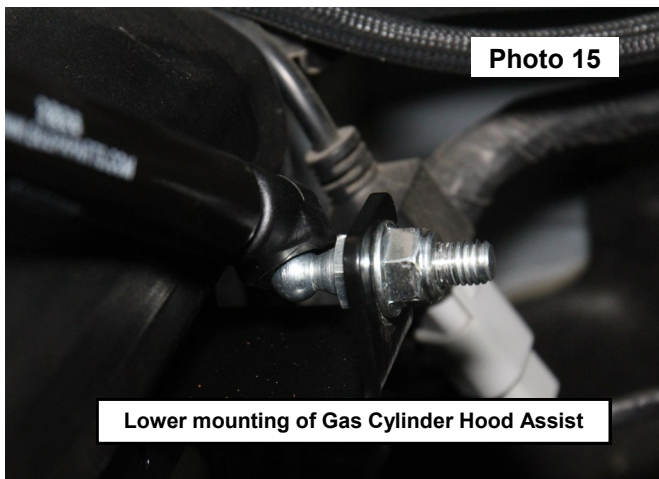


**Installing 6mm bolt with 4mm Allen Wrench**

12. Assemble the ball stud onto the hood bracket at this time with the ball towards the outside edge of hood. Use a 13mm wrench/socket to tighten. Assemble ball stud to hood bracket as shown. **See Photo 13 and Photo 14**



13. Steps 6-12 will be repeated on opposite of hood prior to Gas Cylinder Hood Assist are installed.
14. With the two fender brackets and two hood brackets installed locate the two kit provided Gas cylinder hood assist and install them onto the fender/hood brackets. The cylinder body end will snap onto the fender bracket and the upper shaft end will snap onto the hood bracket. Install gas cylinder as shown in photos. **See Photo 15 and Photo 16**



15. Once gas cylinder hood assist are installed check and tighten all hardware prior to hood use.



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