

BLACK HORSE



PART# RU-TOTU07-B-INS

INSTALLATION INSTRUCTIONS

07-21 TOYOTA TUNDRA

(Excl. 18-21 TSS-P: Pre-collision system & Dynamic radar cruise control)

08-21 TOYOTA SEQUOIA

(Excl. 08-21 Platinum)

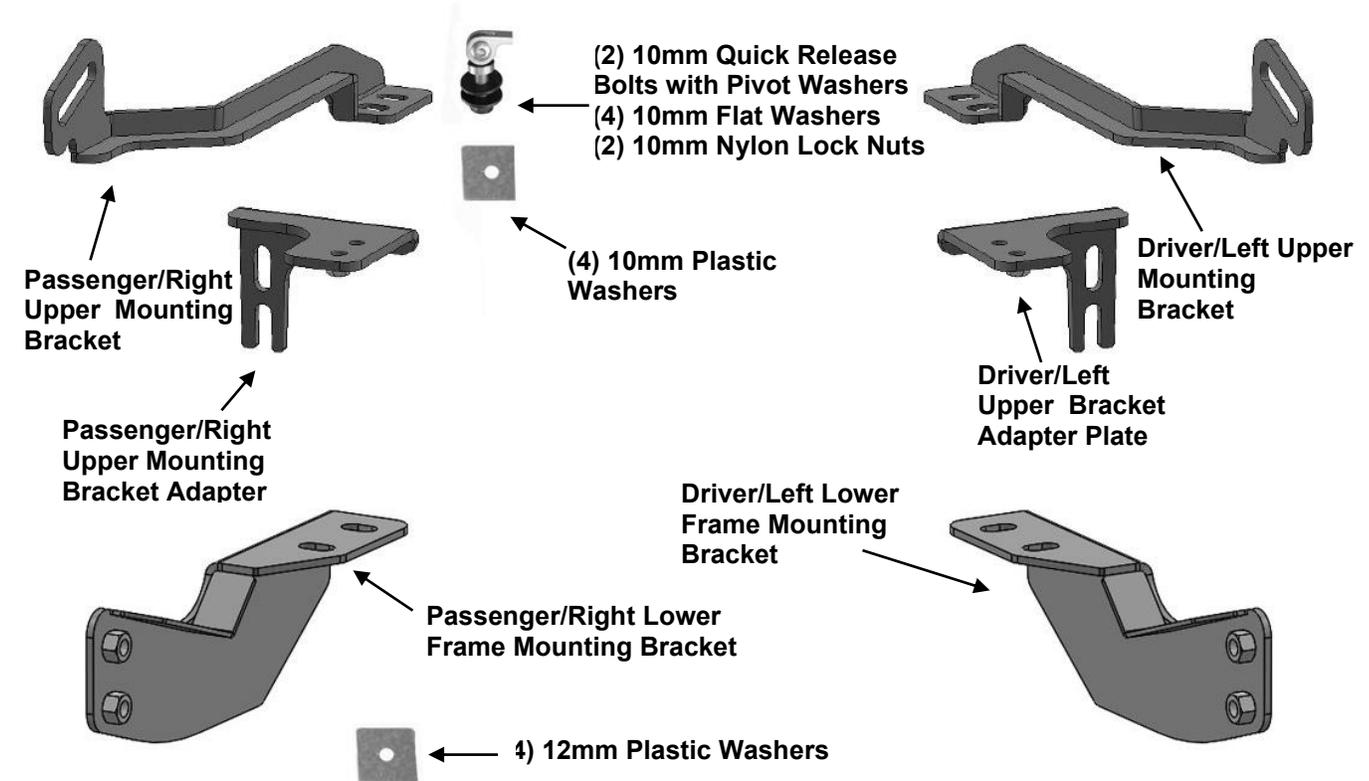
PART# RU-TOTU07-B





PARTS LIST

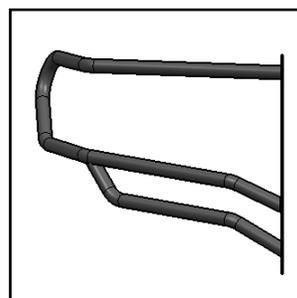
1	Main Body	2	10mm Cam Lever Quick Release Bolts with Special Pivot Washer
1	Driver/Left Brush Guard	22	8mm x 24mm x 2mm Flat Washers
1	Passenger/Right Brush Guard	10	8-1.25mm x 25mm Button Head Bolts
2	LED lamp Bracket	8	M8-1.25mm Nylon Lock Nuts
1	Driver/left Frame Mounting Bracket	4	10mm x 24mm OD x 2.2mm Flat Washers
1	Passenger/right Frame Mounting Bracket	2	10-1.5mm Nylon Lock Nuts
1	Driver/left Upper Frame Bracket	4	8-1.25mm x 25mm Hex Bolts
1	Passenger/right Upper Frame Bracket	4	8mm Lock Washers
1	Driver/left Upper Mounting Bracket	4	12mm Plastic Washers
1	Passenger/right Upper Mounting Bracket	4	10mm Plastic Washers
4	12-1.75mm x 35mm Hex Bolts	1	5mm Allen Wrench
4	12mm x 32mm OD x 3mm Flat Washers		
4	12mm Lock Washers		



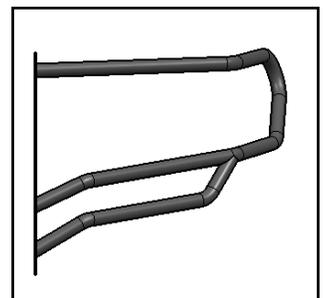
(2)LED lamp Brackets



Main Body



Passenger/Right Brush Guard



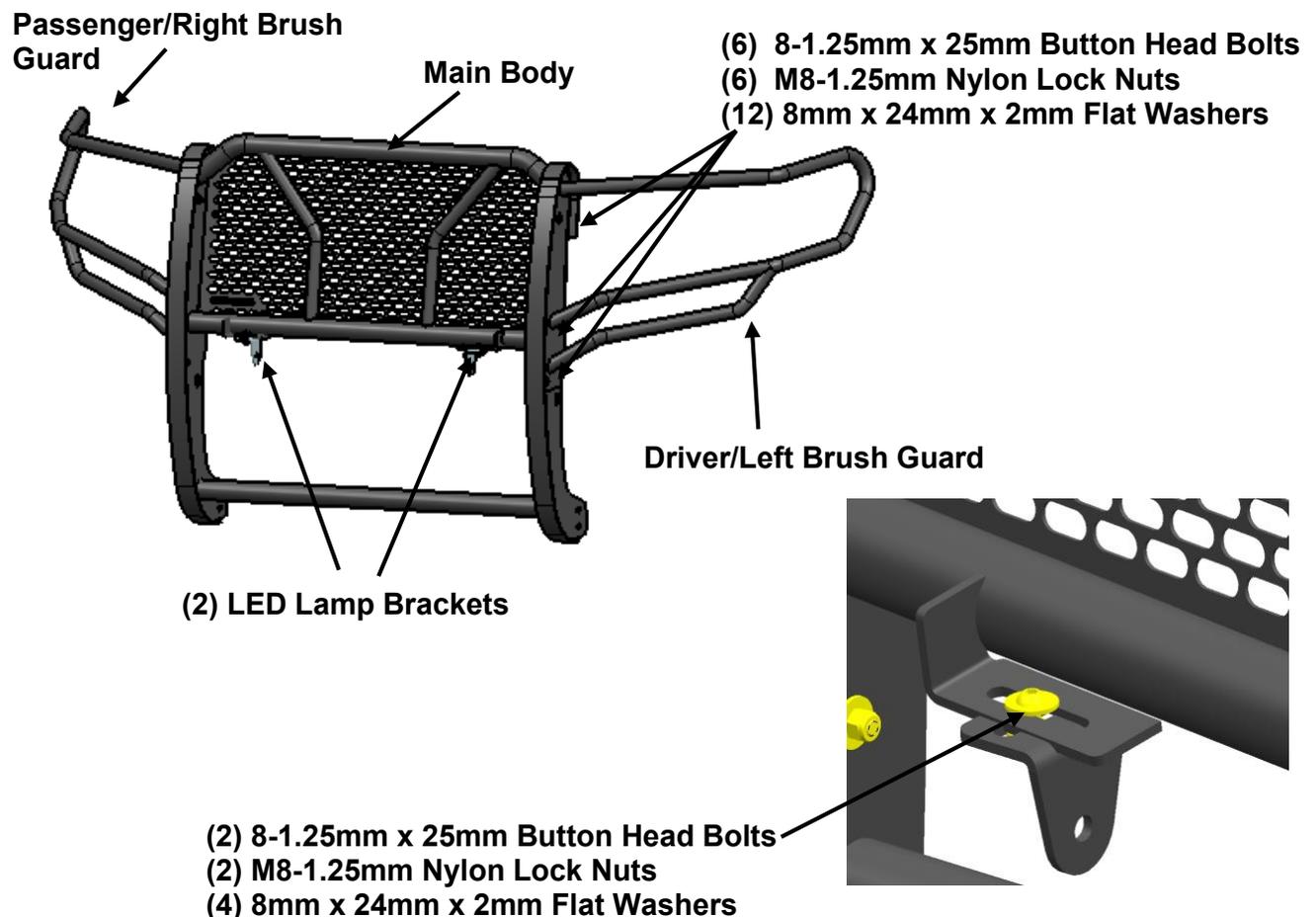
Driver/Left Brush Guard



REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION.

Please Note:

1. Grill Guard may interfere with front mounted sensors, not recommended for vehicles with optional "active" laser guided cruise control systems.
2. Some cutting may be required.
3. Before you install the Grille Guard on the vehicle, please install the Driver/Left Brush Guard and Passenger/Right Brush Guard on the Main Body.
4. If you intend to install an LED Lamp at this time, install the LED Lamp brackets prior to mounting Brush Guard on vehicle.



IMPORTANT: 2007-13 Tundra, 08-14 Sequoia models.

This Grille Guard is designed to tilt forward to open the hood for these models. Please read the section "Opening and Closing of Hood," before installing the Grille Guard.



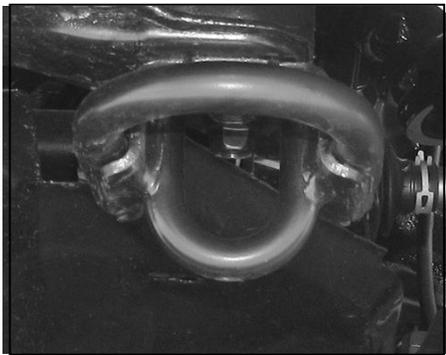
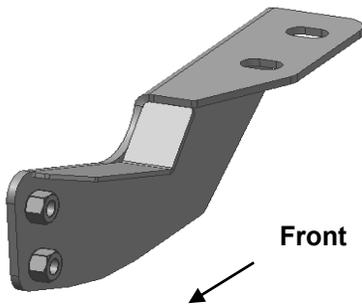
INSTALLATION

INTRODUCTION

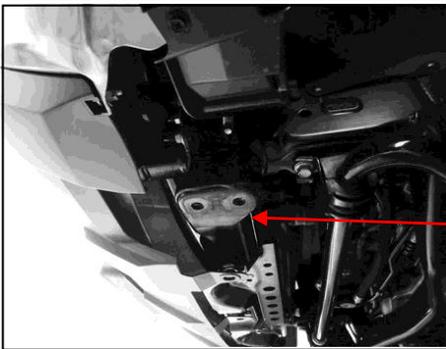
The grill guard is mounted to the vehicle by two Upper Mounting Brackets and two Lower Frame Mounting Brackets. The 2 Upper Mounting Brackets each need an additional Adapter Plate to attach them to the frame, while the lower brackets bolt directly into the tow hook mounting points. .

There are some minor differences between models before 2015 which are addressed during the installation.

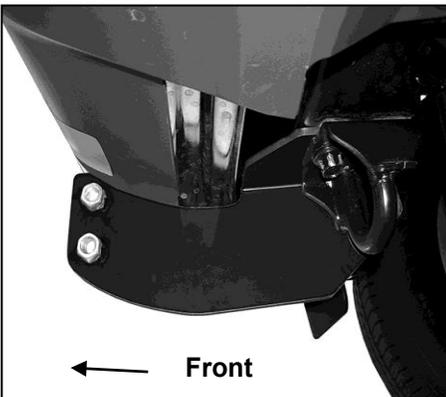
Lower Frame Bracket Installation - Passenger/Right Side



(Fig 7) Remove the factory tow – hooks. (The heavy- duty tow hooks cannot be re-installed)

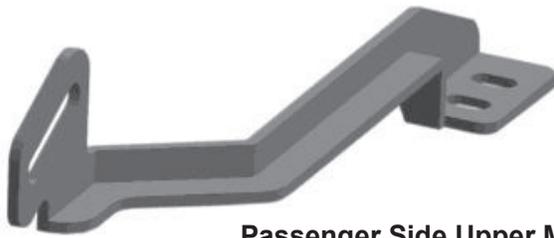


Threaded holes for factory tow hook.

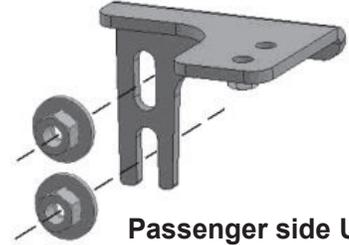


Mounting bracket uses the factory tow hook mounting bolts. Small tow hook (pictured) can be re-installed, the larger tow-hooks cannot. Repeat process to install Driver's(left) Side

UPPER MOUNTING BRACKET INSTALLATION



Passenger Side Upper Mounting Bracket



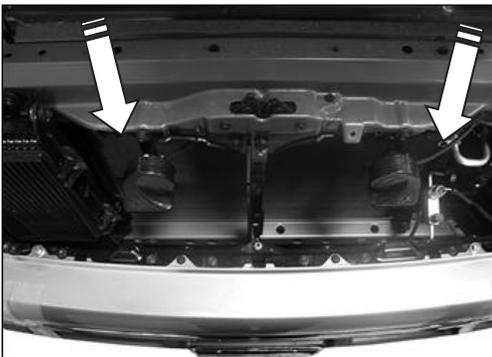
Passenger side Upper Mounting Bracket Adapter Plate



Passenger Side Upper Mounting Bracket with Upper Mounting Bracket Adapter Plate

First install the Upper Mounting Bracket Adapter Plates

07-13 Tundra, 08-14 Sequoia models:



Upper Mounting Bracket Adapter Plates must be installed on the frame from above

2014-on Tundra models:

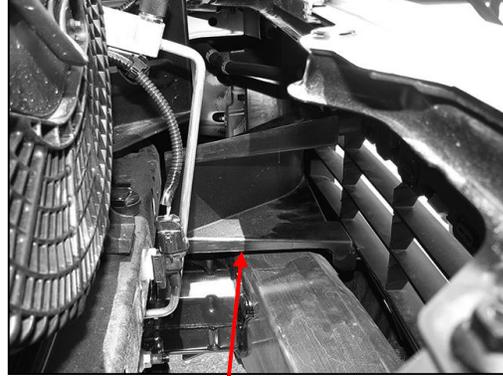


Upper Mounting Bracket Adapter Plates must be installed on the frame from below the front bumper.

UPPER MOUNTING BRACKET INSTALLATION

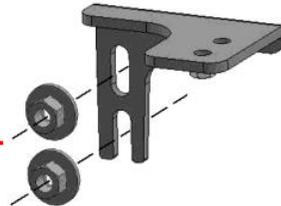
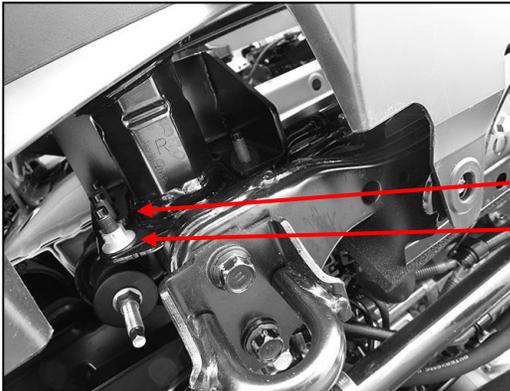


If necessary, temporarily remove bumper cover hardware to access bumper bracket. (passenger/right side pictured from below)

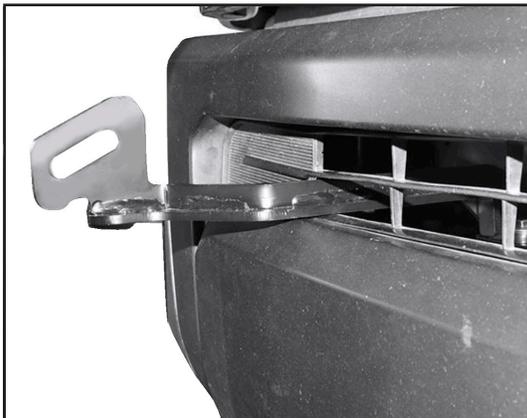


Some models have an air deflector mounted on the driver's side, it may be necessary to remove the bumper cover to trim or remove this.

Locate the passenger side bumper bracket bolted to the end of the frame. Access the bracket through the gap between the front bumper and the radiator or from below the bumper above the tow hook,



Slide the Bracket over the two threaded studs. (If installing from below, carefully pull the bottom of the bumper cover outward and slide the Bracket up and in position). Reuse the factory hex nuts to attach the Bracket to the frame . Do not fully tighten the (2) hex nuts at this time.



← Front

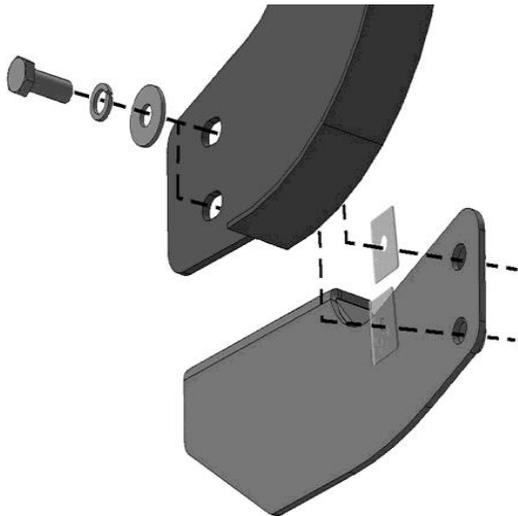
Insert Upper Mounting Bracket through bumper.

Attach Upper Mounting Bracket to Upper Mounting Bracket Adapter Plate with:
(2) 8mm x 25mm Hex Bolts
(2) 8mm Lock Washers
(2) 8mm Flat Washers



GRILLE GUARD MOUNTING

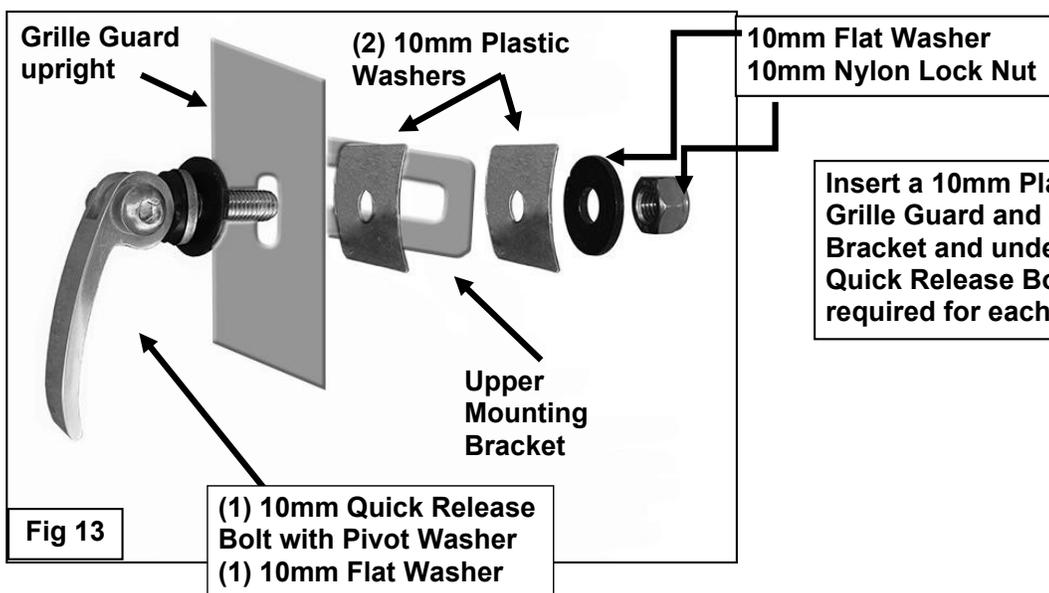
Lower Frame Mounting Brackets)



Insert a Plastic Washer between the Grille Guard and the Frame Mounting Bracket on each 12mm Hex Bolt

- (2) 12mm x 35mm Hex Bolts
- (2) 12mm Lock Washers
- (2) 12mm Flat Washers
- (2) 12mm Plastic Washers (between Grille Guard and Bracket)

UPPER MOUNTING BRACKET

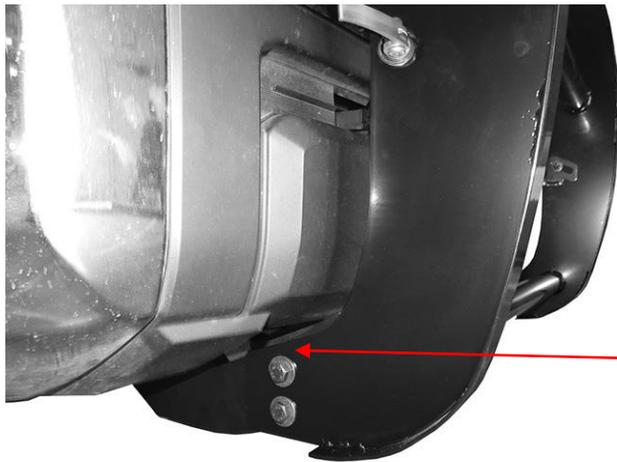


Insert a 10mm Plastic Washer between the Grille Guard and the Upper Mounting Bracket and under the Flat Washer on each Quick Release Bolt. (2) Plastic Washers are required for each Quick Release installation



Opening the hood using the tilt-forward mechanism for 2007-13 Tundra, 08-14 Sequoia models.

Pull handle to "open" Quick Release.



Loosen the Upper bolts (only if necessary) to open the hood.

Pull Grille Guard to the "open" position.



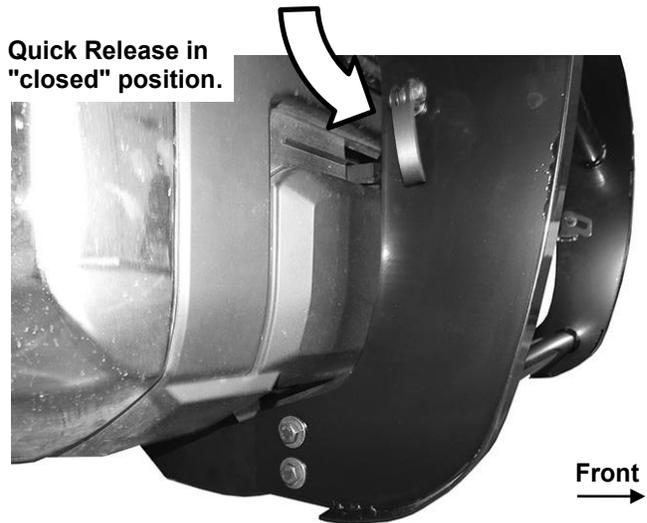
BLACK HORSE

Closing the hood using the tilt-forward mechanism for 2007-13 Tundra, 08-14 Sequoia models.

Push Grille Guard back to the "closed" position.



Quick Release in "closed" position.



To protect your investment, wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish.
For gloss black finishes: Mild soap may be used to clean the Grille Guard.