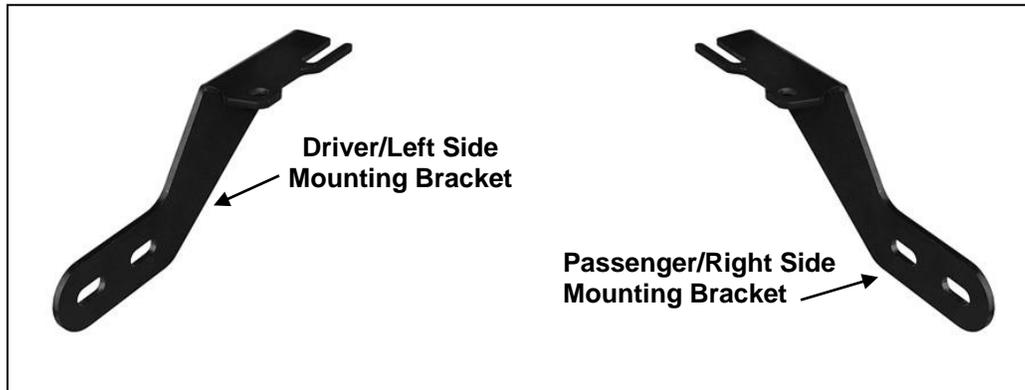




INSTALLATION INSTRUCTIONS
S/S REAR BUMPER GUARD
FOR TOYOTA HIGHLANDER 08-20 (DOUBLE TUBE)
PART # 8D091016SS

PARTS LIST:

1	Rear Bumper Guard	12	12mm x 32mm x 3mm Flat Washers
1	Driver/Left Mounting Bracket	4	12mm Hex Nuts
1	Passenger/Right Mounting Bracket	4	10-1.25mm x 35mm Hex Bolts (Fine Thread)
4	12-1.25mm x 35mm Hex Bolts (SPECIAL Fine Thread 2014-on ONLY)	4	10mm x 27mm OD x 3mm Flat Washers
4	12-1.75mm x 35mm STD Coarse Thread Hex Bolts	4	10mm Lock Washers
8	12mm Lock Washers		

**PROCEDURE:**

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. CUTTING MAY BE REQUIRED. INSTALLATION MAY INTERFERE WITH FACTORY TOW PACKAGE AND REAR BUMPER MOUNTED SENSORS.

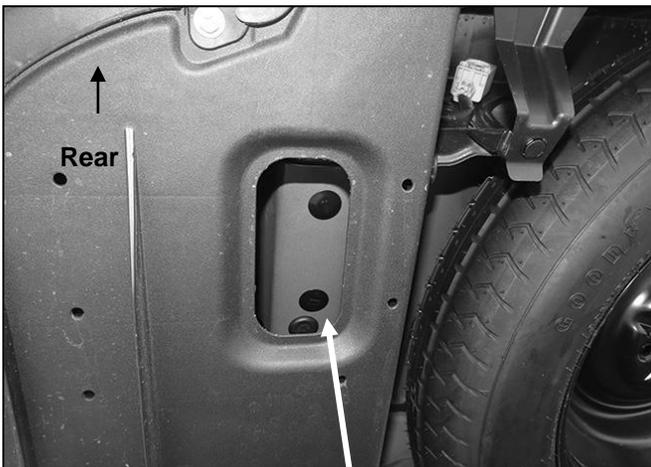
IMPORTANT! Due to close proximity of the Frame Bracket to the muffler, allow muffler to cool completely before starting the installation.

1. Locate the threaded holes in the bottom of the frame rail on the driver side of the vehicle. Remove the plastic plugs, (**Figure 1**). On models with factory tie down bracket, remove bracket, (**Figures 2 & 3**). **NOTE:** On some model years, the mounting area may be covered by a plastic splash guard. Temporarily remove the splash guard if more access for Bracket installation is needed, (**Figures 1 & 2**).
2. Select the driver side Frame Mounting Bracket, (**Figure 4**). If you choose to reinstall the tie down brackets, switch the driver side with the passenger side and install the tie down brackets over the Frame Mounting Brackets. **IMPORTANT:** Check for clearance between the mufflers and the tie down brackets before proceeding with the installation. On some model years of vehicles, the tie down brackets cannot be reinstalled.
3. Select the correct hardware for installation, (**Figure 5**):
 - 2008-13 models:** Bolt the tie down and/or the Frame Mounting Bracket to the bottom of the frame channel with the included (2) 10-1.25mm x 35mm **Fine Thread** Hex Bolts, (2) 10mm Lock Washers and (2) 10mm Flat Washers, (**Figure 5**). Do not tighten hardware at this time.
 - 2014-on models:** Bolt the tie down and/or the Frame Mounting Bracket to the frame channel with the included (2) 12-1.25mm x 35mm **SPECIAL Fine Thread** Hex Bolts, (2) 12mm Lock Washers and (2) 12mm Flat Washers, (**Figure 5**). **IMPORTANT:** Do not mix the 12-1.25mm **Special Fine Thread** Hex Bolts with the 12-1.75mm Coarse Thread Hex Bolts or damage to hardware or vehicle could result. Do not tighten hardware at this time.

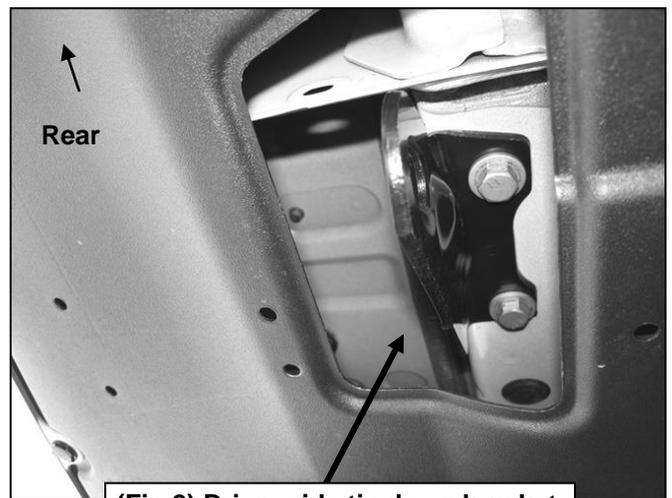
4. Repeat **Steps 1—3** to install the passenger side Frame Mounting Bracket and tie down bracket if desired.
5. Reinstall the plastic splash guard if removed in **Step 1**. **NOTE:** If reinstalling tie down brackets, it may be necessary to trim the splash guard, (if equipped), to clear the brackets, (**Figure 6**).
6. With assistance, position the Rear Bumper Guard onto the outside of the Mounting Brackets. Attach the Rear Bumper Guard to the Mounting Brackets with the included (4) 12mm x 35mm STD Coarse Thread Hex Bolts, (8) 12mm Flat Washers, (4) 12mm Lock Washers and (4) 12mm Hex Nuts, (**Figure 7**).
7. Align and adjust the Rear Bumper Guard properly and tighten all hardware.
8. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

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. Use only mild soap to clean the Bumper Guard.

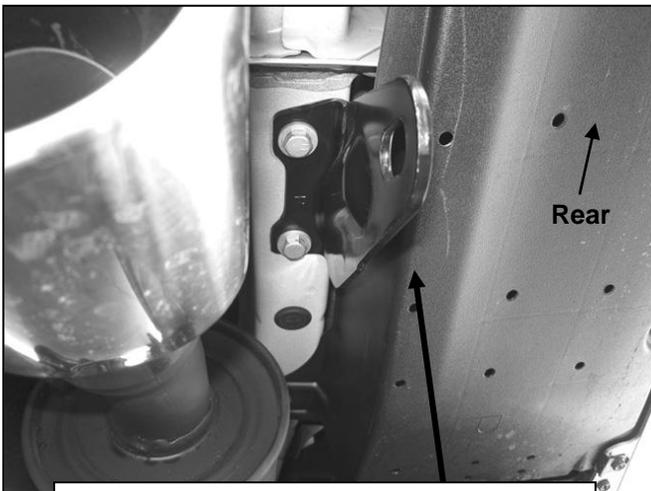
For stainless steel: Aluminum polish may be used to polish small scratches and scuffs on the finish.



(Fig 1) Driver side mounting location pictured. Remove plugs, if equipped, from threaded holes



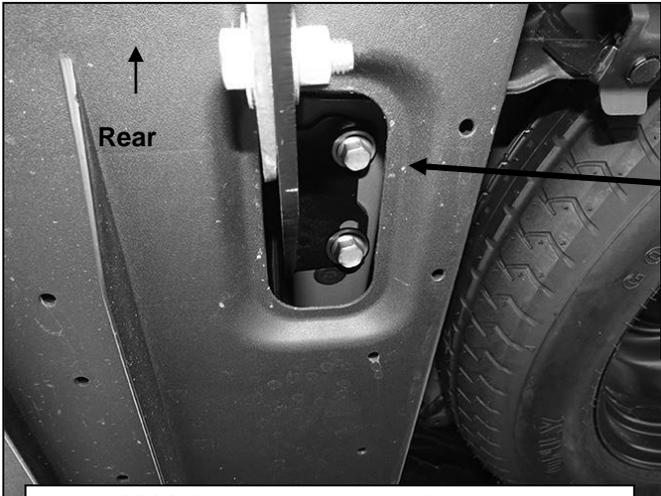
(Fig 2) Driver side tie down bracket



(Fig 3) Passenger side tie down bracket



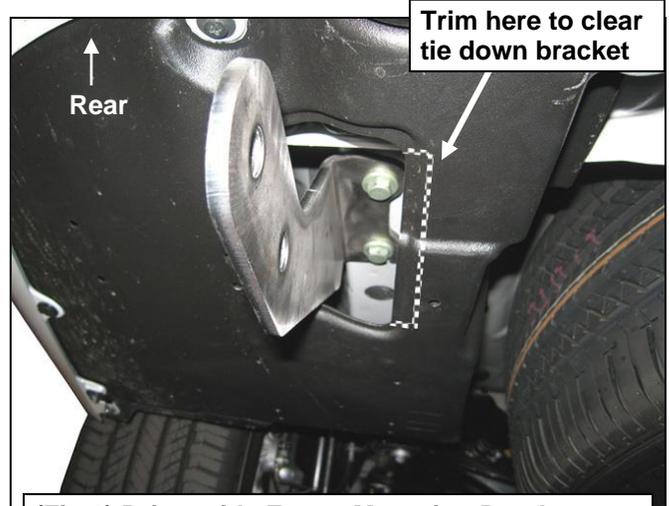
(Fig 4) Driver side Frame Bracket



(Fig 5) 2014 Driver side Frame Bracket installed

2008-13 MODELS USE:
(2) 10-1.25mm x 35mm Fine Thread Hex Bolts
(2) 10mm Lock Washers
(2) 10mm Flat Washers

2014 MODELS USE:
(2) 12-1.25mm x 35mm Special FINE THREAD Hex Bolts
(2) 12mm Lock Washers
(2) 12mm Flat Washers



(Fig 6) Driver side Frame Mounting Bracket installed. Trim area as indicated only if reinstalling tie down bracket (if equipped). Verify fit before cutting. Tie down brackets may not be reinstalled on all models and years. Picture represents cut area for example only

(2) 12-1.75mm x 35mm STD Coarse Thread Hex Bolts
(2) 12mm Lock Washers
(4) 12mm Flat Washers
(2) 12mm Hex Nuts



(Fig 7) Passenger side Frame Bracket installed

