

Part Number: PT212-35040

Section I - Installation Preparation

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Skid Plate

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	1	LH Bracket
2	1	RH Bracket
3	4	M12x20 Flange Head Bolt
4	4	1/2" Flat Washer
5	1	DIO Instruction Sheet

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		

Conflicts

Note:

Recommended Tools

Safety Tools	
Safety Glasses	
Special Tools	
None	
Installation Tools	
Torque Wrench	1/2" & 3/8" Drive
Socket	17 mm
Extension	3"
Measuring Rule	Metric (mm)
Special Chemicals	
None	

General Applicability






Note: 4 x 4 and Pre-Runner Model Tacoma

Recommended Sequence of Application

Item #	Accessory	
1		
2		
3		



*Mandatory

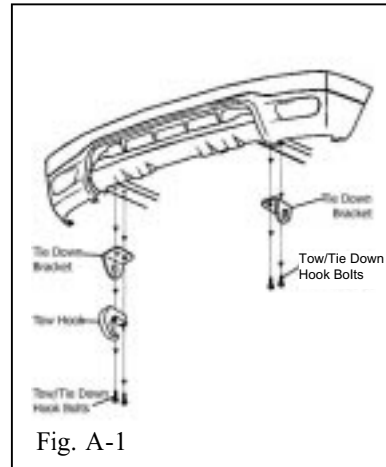
Legend

	STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.
	OPERATOR SAFETY: Use caution to avoid risk of injury.
	CRITICAL PROCESS: Proceed with caution to ensure a quality installation.
	GENERAL PROCESS: This highlights specific processes to ensure a quality installation.
	TOOLS & EQUIPMENT: Calls out the specific tools and equipment recommended for this process.



Section II - Installation Procedure

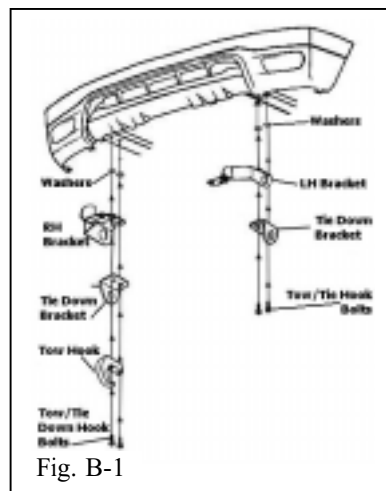
A. Remove Tow Hook Bolts.

-  1. Working under a vehicle requires installer to wear safety glasses.
- 2. Remove hardware bag from carton, and verify content by referring to the instruction sheet.
-  3. Remove tow hook bolts, tie down brackets, and tow hook from vehicle. Fig. A-1. Retain these items, as they will be reinstalled later.








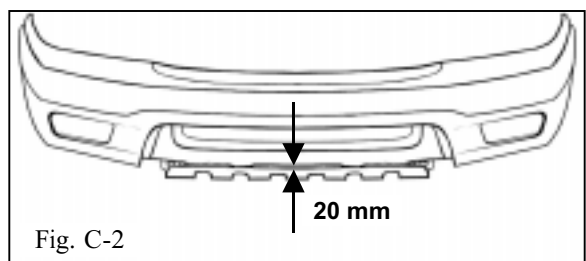
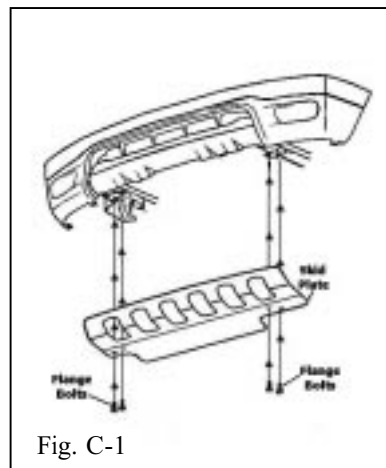
B. Installation of Brackets.

-  1. Install (hand tight) LH bracket using two washers, LH skid plate bracket, tie down bracket, and tow/tie down hook bolts to vehicle as shown in Fig. B-1.
-  2. Install (hand tight) RH bracket using two washers, RH skid plate bracket, tie down bracket, tow hook, and tow/tie down hook bolts to vehicle as shown in Fig. B-1.



C. Installation of Skid Plate.

-  1. Remove skid plate from packaging and place on a protected worktable to avoid damage.
-  2. Hold the skid plate up to the brackets and place M12 flange bolts through skid plate. Thread (hand tight) the bolts into the weld nuts on the brackets as shown in Fig. C-1.
-  3. Move skid plate to create a 20 mm gap between the middle of the front edge of the skid plate and the bumper cover. Fig. C-2.
-  4. Tighten tow hook/tie down bolts to 122 N-m (90 lbf-ft).
-  5. Tighten M12 flange bolts to 27 N-m (20 lbf-ft).





Section III - Functional Verifications

Check: _____

Visual check of skid plate.



Check all tow hook/tie down bolts for proper torque with torque wrench.

(Note: Do not perform check of M12 flange bolts.)

Look For: _____

Gap to vehicle bumper (20 mm) +/-5 mm
Symmetric gap between bumper fascia and skid plate on right and left sides.

Tightening torques have a range of +/-25%, i.e.:

Tow hook/tie down bolt - 92 N-m
(68 lbf-ft) - 152 N-m (112 lbf-ft)