

Section I - Installation Preparation

Part Number: PT427-0C020 (Sequoia)
PT427-0C040 (Sequoia)
PT427-34032 (Tundra B/C)
PT427-34040 (Tundra D)

Section I - Installation Preparation

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Hood Protector
2	1	Hardware Bag

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	2	10-24 Kep Nut
2	2	Backing Plate
3	2	Grille Bracket
4	2	Bracket Extension
5	2	Neoprene Pad
6	2	"F" Clip Extrusion
7	4	10-24 x 1/2" Machine Screw
8	2	Urethane Pad (1 3/4" x 1 3/4")
9	2	Urethane Pad (1 7/8" x 1 1/8")
10	2	10-32 x 1/4" Socket Set Screw
11	1	3/32" Short Arm Hex Key
12	1	DIO Instruction Sheet

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		

Conflicts

Note: Front End Mask

Recommended Tools

Safety Tools	
Vehicle Protection	Blanket
Special Tools	
None	
Installation Tools	
Screwdriver	Phillips, #2
Wrench	3/8 "
Special Chemicals	
Cleaner	3M TM Prep Solvent-70

General Applicability






Note:-
PT427-0C020 - Sequoia: MY2001 - forward
PT427-0C040 - Sequoia MY2005 forward
PT427-34032 - Tundra B and C-cabs: MY2003 - forward
PT427-34040 - Tundra D: MY2004 - forward

Recommended Sequence of Application

Item #	Accessory
1	
2	


*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. Pre-installation Preparation.


1. Inspect and verify the kit contents.
2. Open the hood.
-  3. Make sure front edge of hood and grill, where the deflector is to be installed, is clean and free from dirt and/or debris using 3M™ Prep Solvent-70.


 i. When cleaning with 3M™ Prep Solvent-70 follow the manufacturer's directions. Do not allow cleaner to air dry.

-  4. Cover engine bay completely with a protective blanket to catch any dropped hardware.
5. Remove entire protective film from shield and discard.


B. Grill Bracket Installation.


1. Install the two (2) large urethane pads to underside of grill.

 i. **Sequoia:** Install the pads third slot from center on either side. Fig. B-1.

 ii. **Tundra B / C / D-cab:** Install the pads second slot from center on either side. Fig. B-2.

2. Insert both grill brackets.

 i. **Sequoia:** Insert brackets into the third slot from center on either side. Make sure brackets are centered in the slot. Fig B-1 and Fig B-3.

 ii. **Tundra B / C / D-cab:** Insert brackets into the second slot from center on either side. Make sure brackets are centered in the slot. Fig B-2 and Fig. B-3.

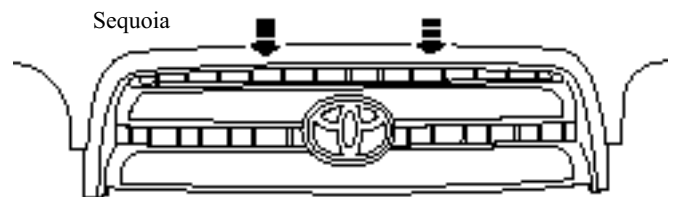


Fig. B-1

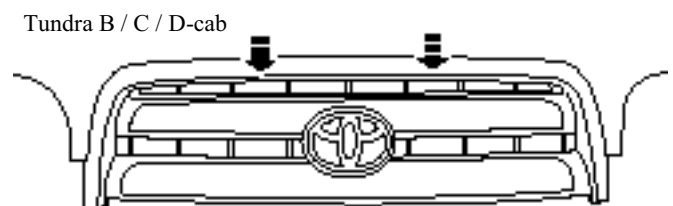


Fig. B-2

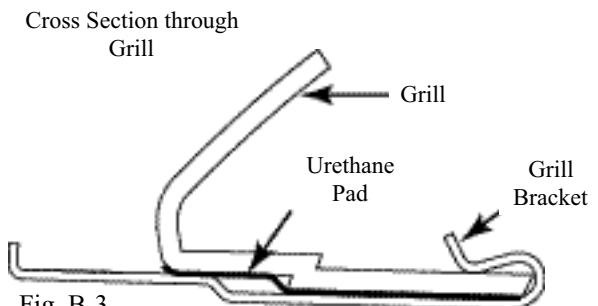


Fig. B-3

3. Apply the neoprene pads to the bracket extensions.

➡ i. Remove paper backing from one side only. Apply this side towards the bracket, and align pad along top edge and sides of bracket extension. Fig B-4

4. Attach bracket extensions to the grill brackets.

➡ i. Remove paper backing from neoprene pad and adhere to grill, make sure the holes in both brackets (grill and extension) line up. Fig. B-5.

C. Install Shield Assembly to Vehicle.

1. Line up shield with the grill brackets making sure the shield is centered

⚠ i. The center "V" nib on the inner edge of the shield should align with the center rib on the grill. Fig. C-1.

2. Attach shield to grill brackets using two (2) 1/2" (10-24) screws.

➡ i. Hand start screws. Fig C-2.

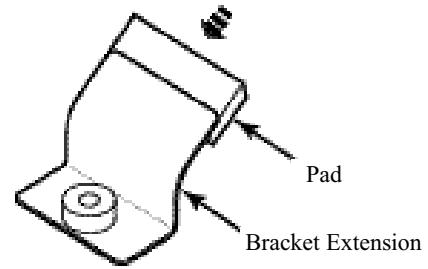


Fig. B-4

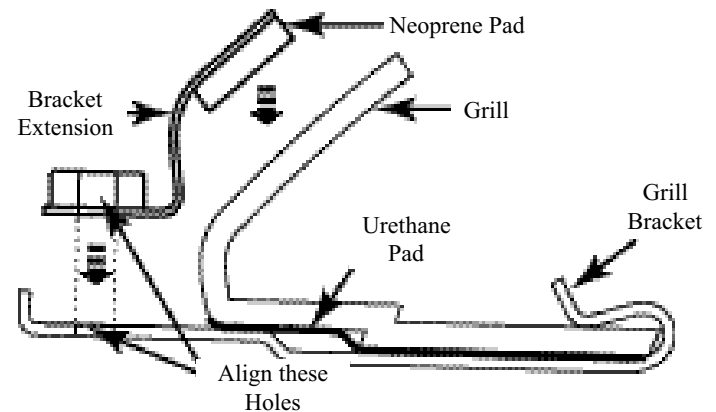


Fig. B-5

Return Tab on Shield

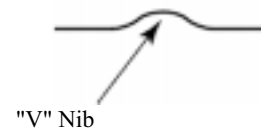


Fig. C-1

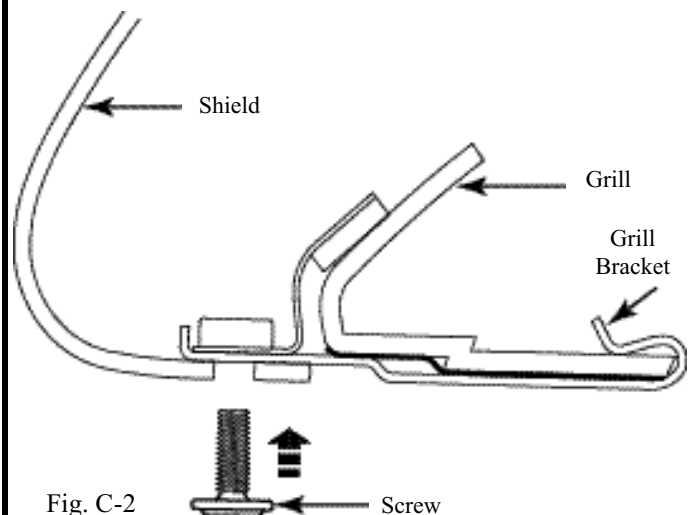
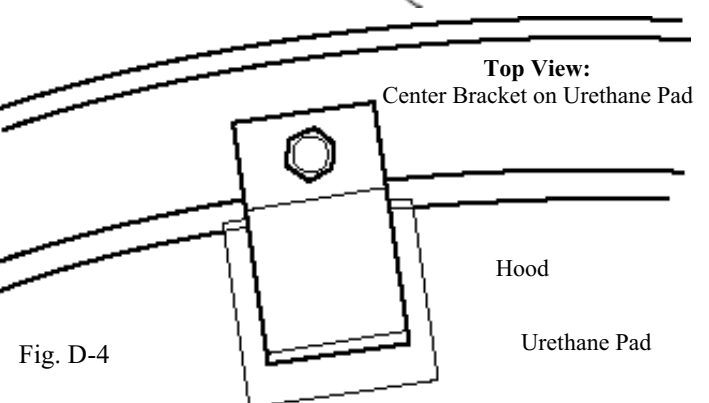
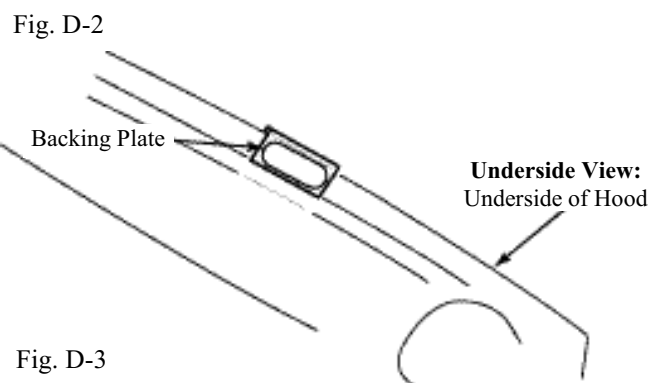
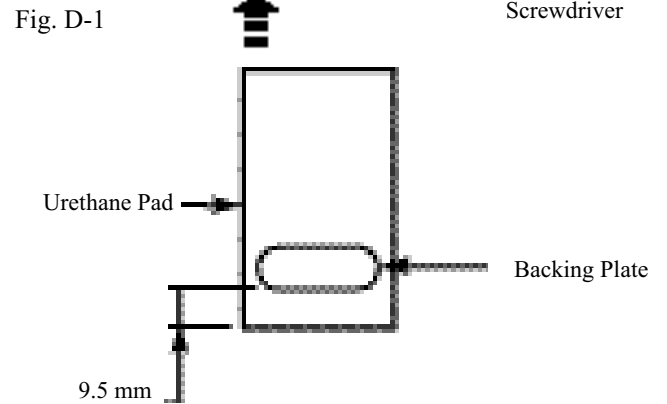
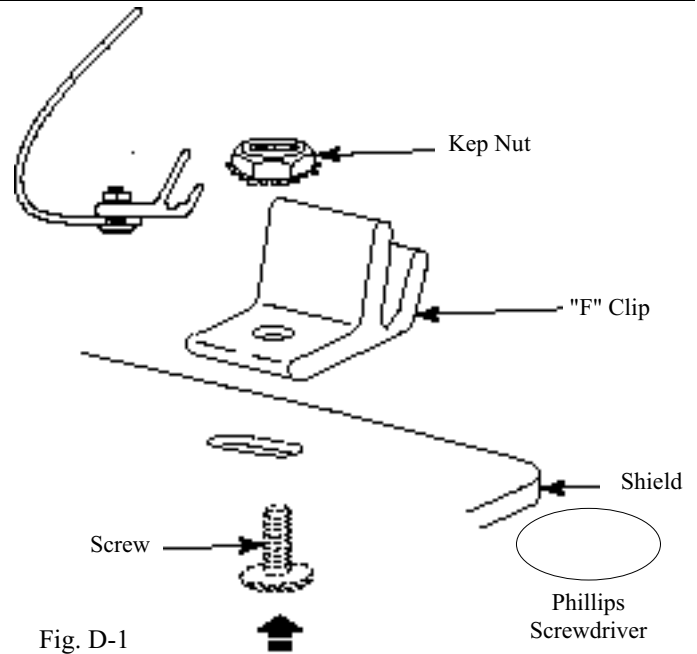







Fig. C-2

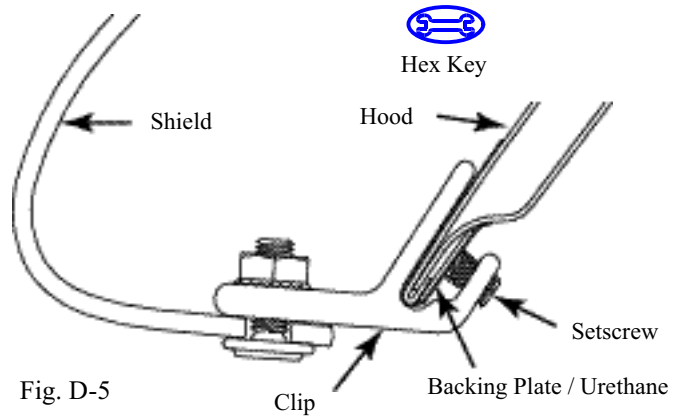
D. Install End Brackets to Shield.

- ➔ 1. Attach the two "F" clips to the outer slots in the shield. Fig. D-1
- 2. Using a Phillips screwdriver and a 3/8" wrench, tighten the kep nut to the 1/2" screw. Tighten screws.
- 3. Apply the two (2) small urethane pads to the hood in area where end brackets are to be installed.
 - ➔ i. Apply backing plate approximately 9-1/2 mm (3/8") from the bottom edge of the urethane pad. Fig. D-2
 - ii. Urethane should be centered to brackets. Wrap urethane pad around the edge of the hood and press firmly. Fig.s D-3 & D-4
 - ⚠ iii. There should be no direct contact of end brackets to hood.



Section II - Installation Procedure

-  4. Line up "F" clips with the urethane pad.
-  i. Slide the clip over the hood and center on urethane pad.
-  ii. Make sure clip is all the way up to the lip of the hood. Fig. D-5
-  iii. Once shield is centered, tighten set screws that attach the clip to the hood with the short arm hex key. Fig. D-5
-  5. Firmly tighten the four (4) 1/2" (10-24) shield retaining screws.



Section III - Functional Verifications



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Check: _____

- Hood closure.
- Clearance of hood protector to hood.

Look For: _____

Hood end brackets should not contact the headlights.

The hood protector (shield) should not contact the grill.