

Part Number: PTS27-52040-35 (SE Only)
PTS27-52040

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Strut Tie Bar
2	1	Hose wrap
3	2	Washers

Hardware Bag Contents

Item #	Quantity Req'd.	Description

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		

Conflicts

Note: None

Recommended Tools

Safety Tools	
Jack Stands	or chassis lift
Special Tools	
Vehicle protection	Fender covers
Torque wrench	Snap On #QC2P75
12mm Open end adaptor	Snap On #QJ0M12
Installation Tools	
12mm Socket	and ratchet
12mm Open end wrench	
Phillips screw driver	#2
Magnetic pick-up tool	
Jack	or chassis lift
Wood block	or protective jack saddle
Special Chemicals	
None	

Color Applicability/Trim Level

Accessories Color	Vehicle/Trim Color															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

General Applicability

Note: All models

Recommended Sequence of Application

Item #	Accessory	
1	Fog Lights	
2	AEM Cold Air Intake	
3	Hotchkis Strut Tie Bar	

*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. These points will be audited on a completed vehicle installation
	GENERAL PROCESS: This highlights specific processes to ensure a quality installation. These points will be audited during the accessory installation
	TOOLS & EQUIPMENT: This calls out the specific tools and equipment required for this process

Please see bottom of page 4 for important “Care and Maintenance” information!

A. Check Kit Contents

1. Check kit for content and damage.

B. Vehicle Preparation

1. Open hood.



2. Apply vehicle protection.
 - i. Apply protection to bulk head behind strut and tops of fenders to protect paint from damage.



3. Place jack under vehicle and lift at cross member as shown. Position the jack but do not lift the vehicle at this time. (Fig. B1)



- i. Use a block of wood or a protective saddle to prevent vehicle damage. (Fig. B2)

C. Remove Factory Hardware



1. xA only - Loosen/remove the cover screw (both sides) to prevent damage or injury. (Fig. C1)
2. Loosen/remove the (3) 12mm nuts from the top of each strut and save for re-use. (Fig. C2)



- i. Due to tight clearances, all the nuts may not be able to be removed at this time. These can be removed once the vehicle has been lifted.

3. Lift the vehicle.

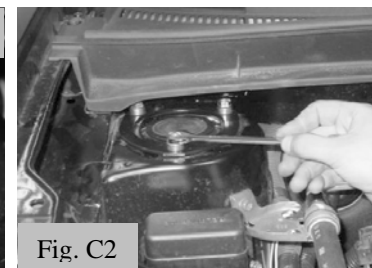
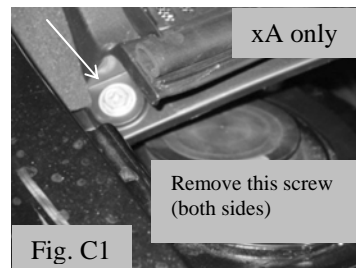
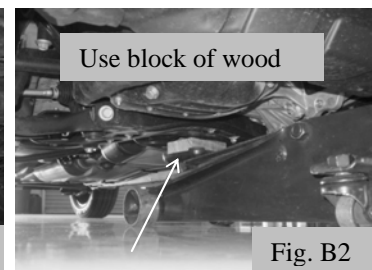
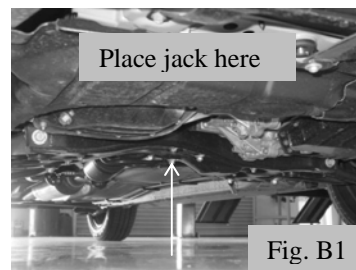
- i. Lift the vehicle just high enough to lift the front wheels off the ground (1-2”).



- ii. Use jack stands to support the vehicle. (See vehicle owners manual for correct jack/support points.



4. Push down on the top of the strut to gain clearance to remove the remaining nuts and reinforcement plate.



- ➔ 5. Remove the reinforcement plate from each side and set aside.
 - i. These will not be re-used. (Fig. C3)
- ➔ ii. Make sure area under plate is free from dirt or debris.

D. Install Protective Hose Wrap

- ➔ 1. Install the protective wrap around the looped hose. (Fig. D1 & D2)
 - ⚠ i. Apply to the upper half of the loop.
 - ⚠ ii. Start at the front and work toward the rear.
 - ⚠ iii. Ensure that there is as little space as possible between wraps.

E. Install the Strut Tie Bar (STB)

- 1. Install the STB
 - i. The STB is installed with the bends facing forward. (Fig E1)
 - ii. The STB mounting plates mount in place of the OE reinforcement plates. (Fig. E2)
 - ⛔ iii. xA only – Starting with LH mounting plate, route the LH mounting plate behind the wire harness. Make sure the wire harness does not get pinched under the mounting plate. (Fig. E3)

- 2. Re-install the factory 12mm nuts. (Fig. E4)
 - i. Lift up on the tire/wheel
 - ➔ ii. Install the nuts directly over the mount plates on the (2) inner studs (per side).
 - iii. Install the front nut first (3-4 turns), then install the remaining rear nuts.
 - ⚠ iv. Install the provided washer under the outer nut only (per side). (Fig. E4)

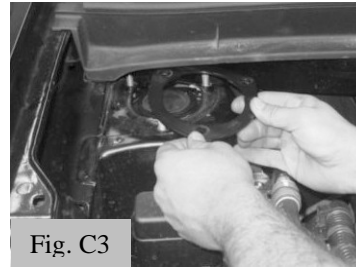


Fig. C3

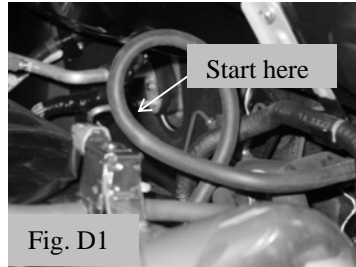


Fig. D1



Fig. D2



Fig. E1



Fig. E2

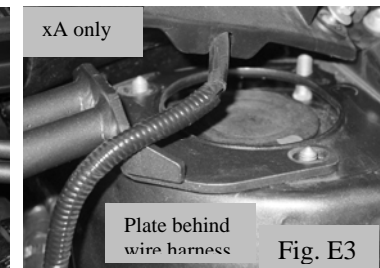


Fig. E3

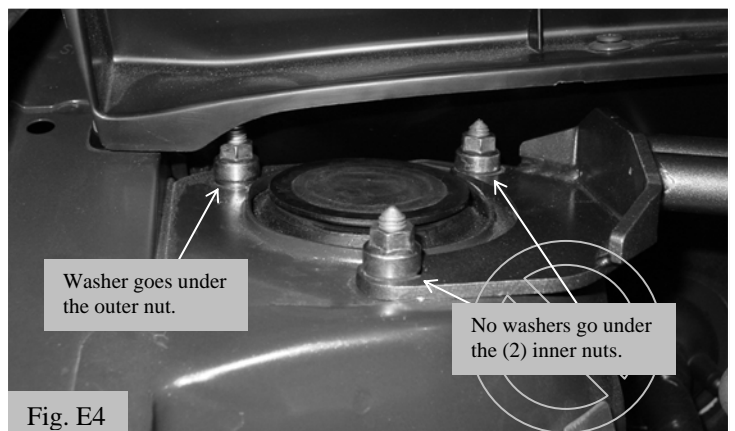


Fig. E4

- v. Use of a magnetic pick-up tool may aid positioning of the nuts on the rear studs.
- vi. Snug the nuts starting with the front nut.



- 3. Torque the nuts to 29 lbs.-ft. (24 lbs.-ft. min./34 lbs.-ft. max.)

F. Post Installation

- 1. Remove vehicle protection.
- 2. Lower the vehicle.



- 3. **Installer** – The installation manual contains important “**Care and Maintenance**” information. Place the instruction manual in the glove box for future customer reference.

Care and Maintenance

- Your Hotchkis Strut Tie Bar has a brilliant silver powdercoat finish that ensures a maintenance free shine.
- To clean your Strut Tie Bar simply spray with window cleaner and wipe with a soft, clean terry-cloth towel.
- NEVER use harsh chemicals or metal polish on your Strut Tie Bar. Harsh chemicals and metal polishes will permanently damage the finish of your Hotchkis Strut Tie Bar.



Section III – Functional Verifications

Check: _____

Washer

Hose wrap

xA – Wire harness

Look For: _____

- Washer is under outer studs only.
- Wraps are spaced as closely together as possible.
- Wrap is applied to top half of looped hose.
- Wire is not pinched under LH mount plate.