

**Part Number: PTR02-53100**

**Kit Contents:**

Item #	Quantity Reqd.	Description
1	1	Front Sway Bar
2	1	Rear Sway Bar
3	1	Hardware Bag

**Hardware Bag Contents**

Item #	Quantity Reqd.	Description
1	2	Front Bushings
2	2	Rear Bushings
3		
4		

**Additional Items Required For Installation**

Item #	Quantity Reqd.	Description
1		
2		
3		

**Conflicts**

IS 250 AWD
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**Recommended Tools**

<b>Personal &amp; Vehicle Protection</b>	<b>Notes</b>
<b>Special Tools</b>	<b>Notes</b>
Transmission jack or Tall vehicle stand	Vehicle stand should have an adjustable top. (screw type)
<b>Installation Tools</b>	<b>Notes</b>
Air tools	Air gun and ratchet to be used for part removal only.
Torque Wrenches	1/2" drive & 3/8" drive
Sockets	3/8" drive 10,12,14mm
	1/2" drive 17, 19mm
	17mm crows foot (flared style is best)
Hex tool	6mm
<b>Special Chemicals</b>	<b>Notes</b>

**General Applicability**

IS Convertible 250 & 350
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**Recommended Sequence of Application**

Item #	Accessory
1	
2	

**Vehicle Service Parts** (may be required for reassembly)

Item #	Quantity Reqd.	Description
1		
2		
3		

**Legend**

	<b>STOP:</b> Damage to the vehicle may occur. Do not proceed until process has been complied with.
	<b>OPERATOR SAFETY:</b> Use caution to avoid risk of injury.
	<b>CAUTION:</b> A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.
	<b>TOOLS &amp; EQUIPMENT:</b> Used in Figures calls out the specific tools and equipment recommended for this process.
	<b>REVISION MARK:</b> This mark highlights a change in installation with respect to previous issue.
	<b>SAFETY TORQUE:</b> This mark indicates that torque is related to seat belts or SRS safety components.

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

## 1. Remove Front Sway Bar.

(a) Raise vehicle.

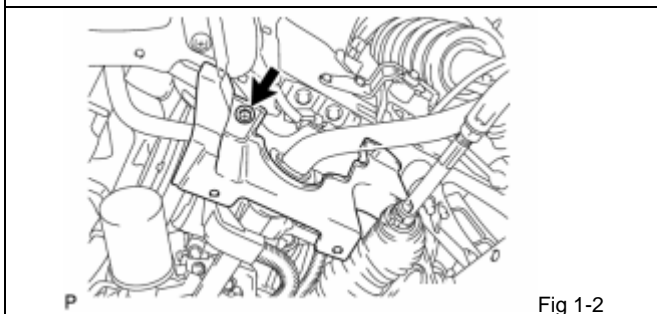
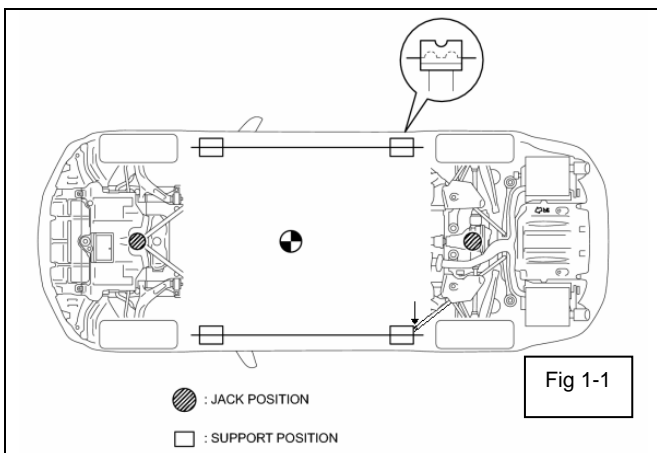
**NOTE:** be sure to not obstruct access to the rear No. 2 body mounting bracket sub-assembly LH forward bolt. (See step 3A) (Fig 1-1)

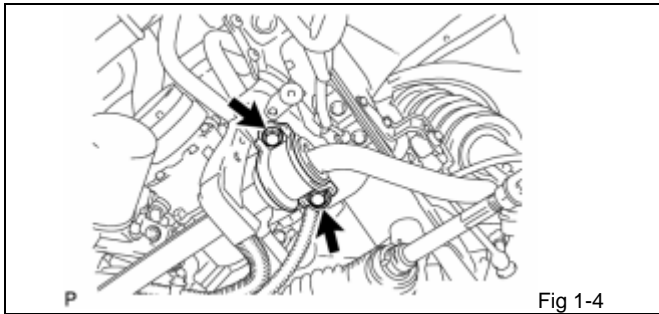
(b) Remove engine under cover.

(c) Remove rear engine under cover LH & RH side. (Fig 1-2)

(1) Clips holding side covers can be released using a special trim clip tool.

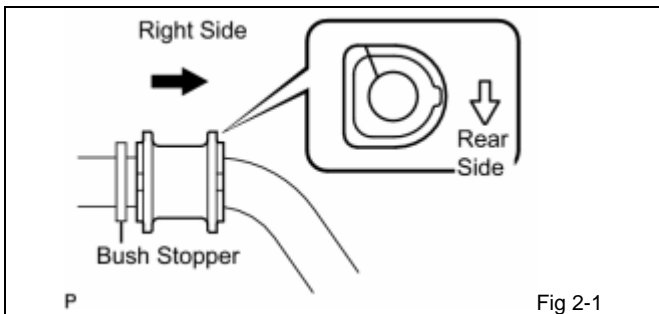
(d) Disconnect sway bar links from sway bar. (Fig 1-3)



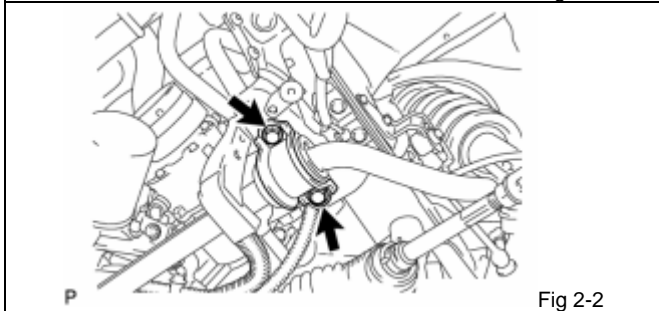


- (e) Remove sway bar brackets. (Fig 1-4)
- (f) Remove the OE sway bar.

## 2. Install F-Sport Front Sway Bar

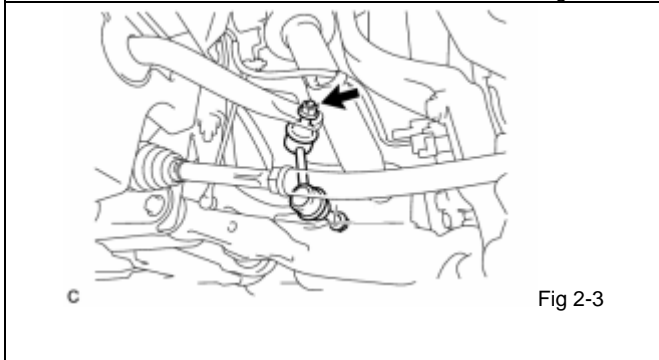


- (a) Install supplied bushings onto the new sway bar outboard of the bushing stopper rings.
  - (1) Cut in bushing should face the front of the vehicle. (Fig 2-1)



- (b) Hold sway bar in position and install the sway bar brackets. (Fig 2-2)

**Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)**



- (c) Connect the sway bar links and tighten the nuts. (Fig 2-3)
  - (1) If the ball joint turns together with the nut, use a hexagon (6 mm) wrench to hold the stud.

**Torque: 84 N·m (856 kgf·cm, 62 ft·lbf)**

- (d) Install rear engine covers and main engine under cover.

### 3. Remove Rear Sway Bar.

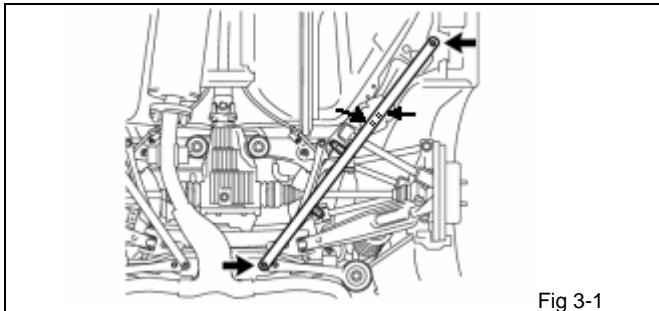


Fig 3-1

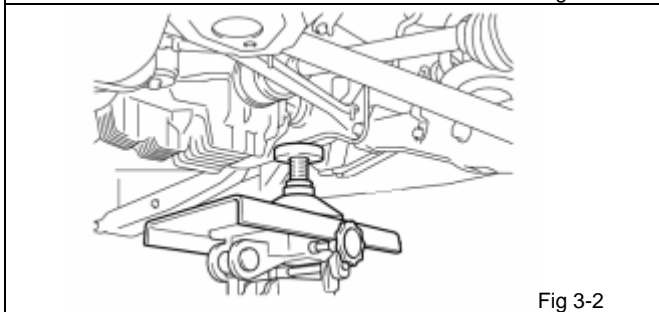


Fig 3-2

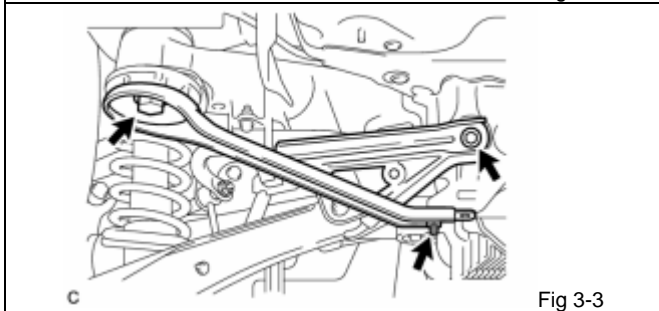


Fig 3-3

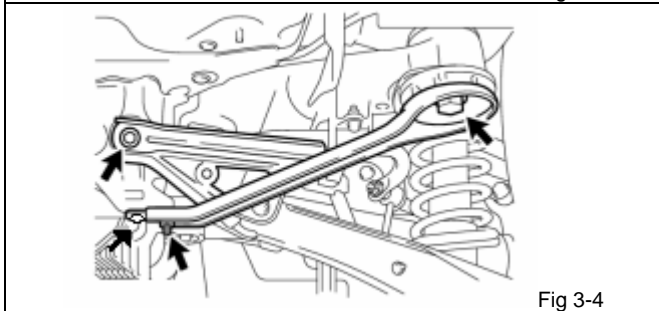


Fig 3-4

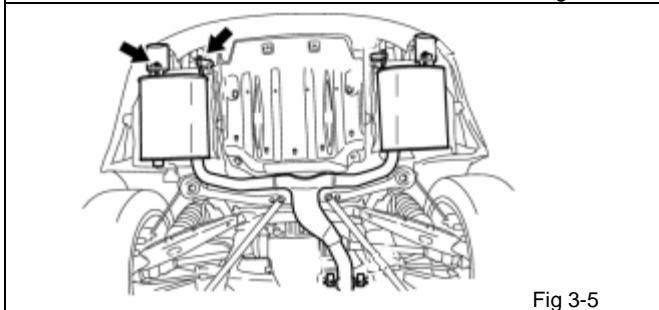


Fig 3-5

(a) Remove the 4 bolts and rear No. 2 body mounting bracket sub-assembly LH (driver's side). You will have to slide the bracket to the rear of the car out from underneath the body support bracket. (Fig 3-1)

(b) Remove the rear lower suspension member reinforcements.

(1) Support the rear suspension member sub-assembly with a transmission jack or tall jack stand using a block of wood as shown in the illustration. (Fig 3-2)

(2) Remove the 2 bolts, nut and rear lower suspension member stopper reinforce LH. (Fig 3-3)

(3) Remove the 3 bolts, nut and rear lower suspension member stopper reinforce RH. (Fig 3-4)

(c) Disconnect exhaust pipe supports from driver's side muffler. (Fig 3-5)

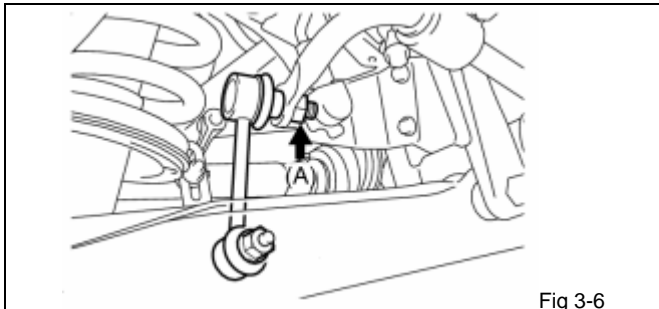


Fig 3-6

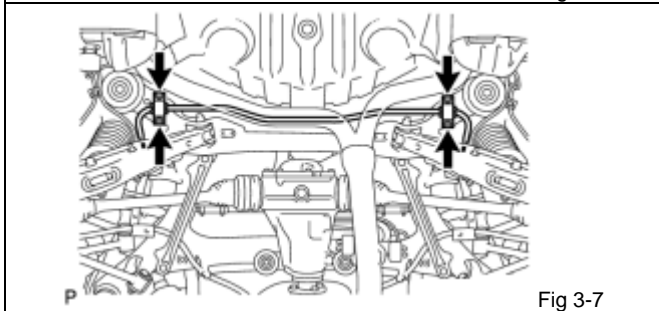


Fig 3-7

(d) Disconnect sway bar links. (Fig 3-6)

(e) Remove rear sway bar. (Fig 3-7)

- (1) Remove the 4 bolts and rear stabilizer bar and straps. Discard original sway bar and bushings. Save straps for re-use.

#### 4. Install F-Sport Rear Sway Bar.

(a) Install the supplied bushings onto the new rear sway bar.

- (1) Be sure to install the rear stabilizer bushing so that the cut in the bushing faces the rear of the vehicle. (Fig 4-1)

- (2) Bushings should be positioned to the very edges of the straight portion of the bar.

(b) Install the rear stabilizer bar with the sway bar straps. Orient sway bar so that the F-Sport logo reads right side up. (Fig 4-2)

**Torque: 32 N·m (326 kgf·cm, 24 ft·lbf)**

**HINT:** Position link ends into the sway bar holes before bolting up the brackets.

(c) Tighten the sway bar links. (Fig 4-3)

- (1) If the ball joint turns together with the nut, use a hexagon (6 mm) wrench to hold the stud.

**Torque: 89 N·m (908 kgf·cm, 66 ft·lbf)**

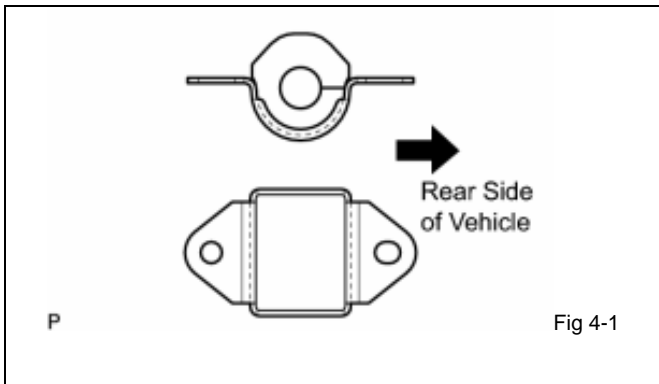


Fig 4-1

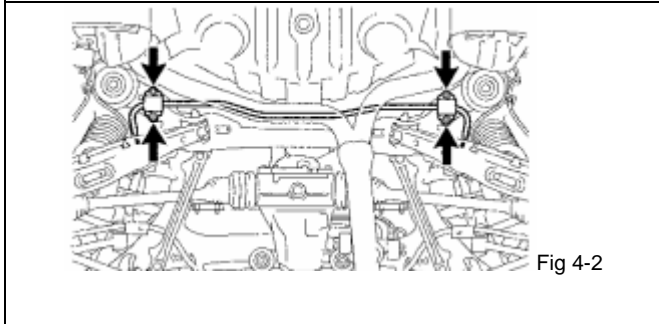


Fig 4-2

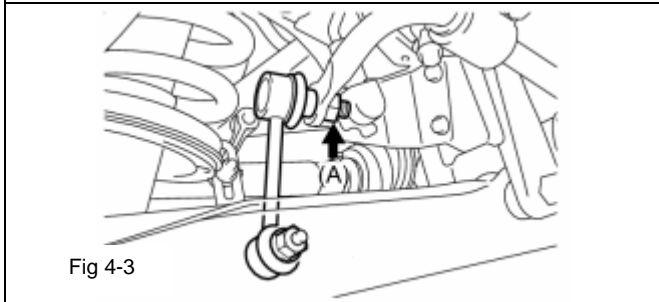
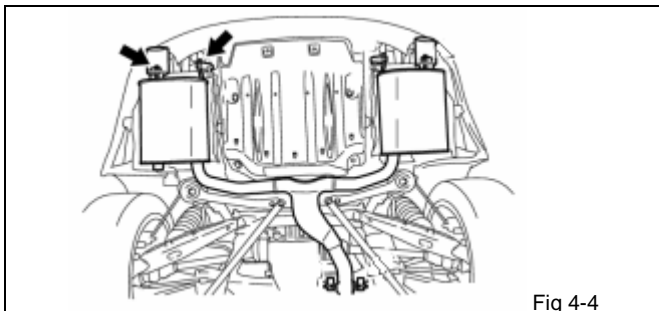
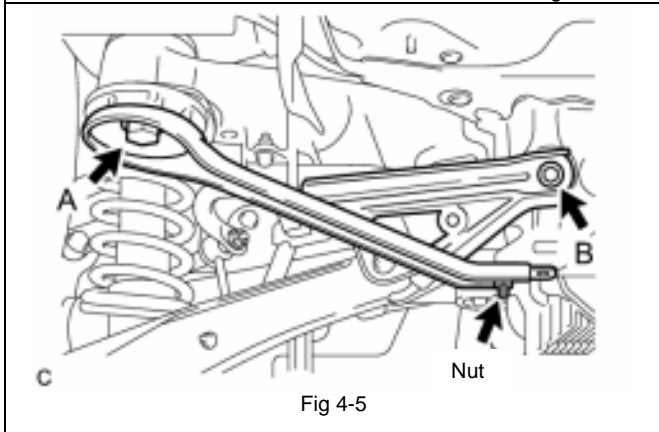


Fig 4-3



(d) Connect exhaust pipe supports to driver's side muffler. (Fig 4-4)



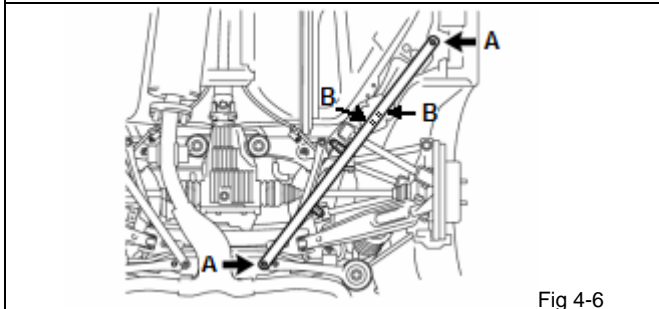
(e) Install the rear lower suspension member stopper reinforce LH & RH with the bolt (A), bolt (B) and nut. (Fig 4-5)



**NOTE:** Bolt (A) **MUST** be started by hand!

**Bolt (A) - Torque: 127 N·m (1300 kgf·cm, 94ft·lbf)**

**Bolt (B) and Nut - Torque: 35 N·m (357 kgf·cm, 26ft·lbf)**



(f) Remove tall stand or transmission jack.

(g) Install the rear No. 2 body mounting bracket sub-assembly LH with the 4 bolts. (Fig 4-6)

**Bolts A - Torque: 52 N·m (530 kgf·cm, 38ft·lbf)**

**Bolts B - Torque: 17 N·m (173 kgf·cm, 13ft·lbf)**



Checklist. These points MUST be checked to ensure a quality installation.

CHECK FOR:

Accessory Function Checks

LOOK FOR:

Vehicle Function Checks

Confirm all suspension components are tightened to specification.

Note: All torque specifications written above are taken from the IS Convertible OEM repair manual. Tolerances on torque specs. should be kept to the limits of the tools you are using. +/- 10% is OK.