

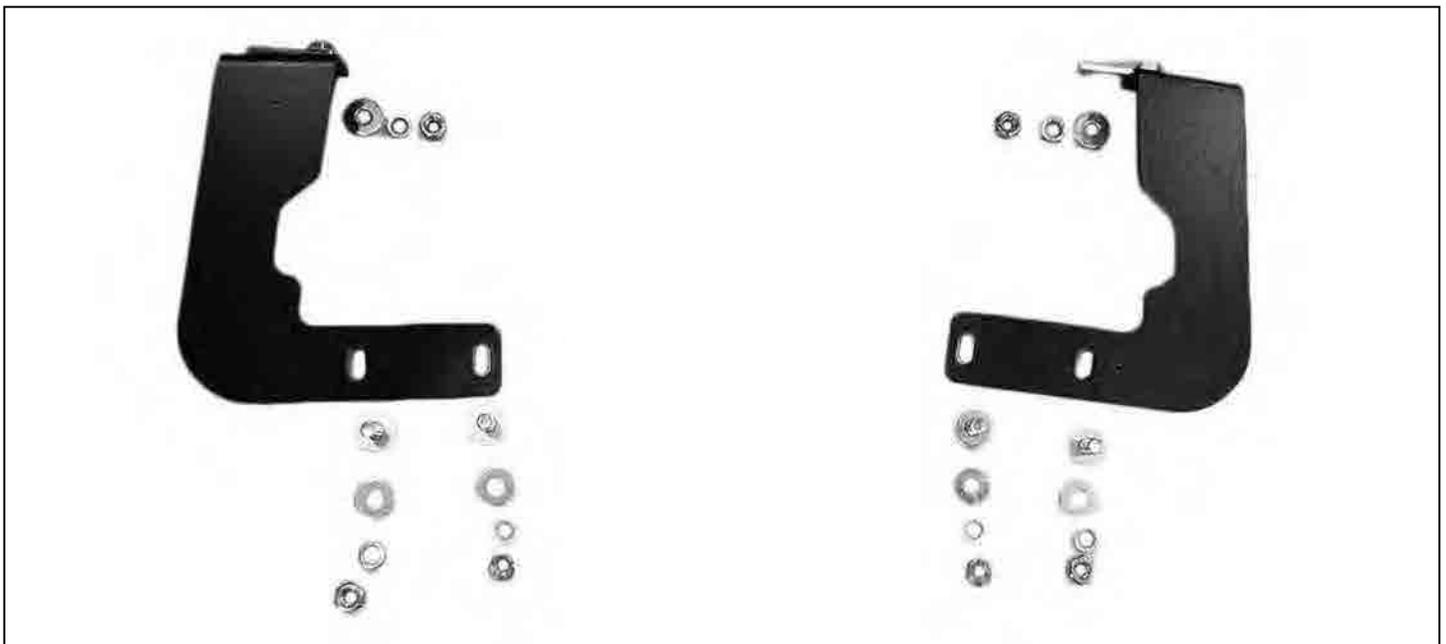
INSTALLATION INSTRUCTIONS

SPORT BAR

2014+ KIA SORENTO/2013+ HYUNDAI SANTA FE

PARTS LIST:

	Description		Description
	Sport Bar		12-1.75mm x 50mm Hex Bolts
	Driver/Left Frame Mounting Bracket		12mm x 32mm x 3mm Flat Washers
	Passenger/Right Frame Mounting Bracket		12mm Lock Washers
			10-1.5mm x 30mm Hex Bolts
			10mm x 27mm x 3mm LRG Flat Washers
			10mm x 24mm x 2.2mm STD Flat Washer
	10mm x 35mm Small Button Head Bolt Plates (16mm x 50mm)		10mm Lock Washers
	10mm x 35mm Large Button Head Bolt Plates (18mm x 67mm)		10mm Locking Serrated Flange Nuts
			10mm Hex Nuts



PROCEDURE:

1. REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED. CUTTING IS REQUIRED.
2. Starting under the front of the vehicle, remove the large plastic splash guard, **(Figure 10)**. **NOTE:** Pay close attention to the size, type and location of all factory hardware for reinstallation.
3. Locate the mounting area at the front of the frame channel on the driver side, **(Figure 1)**. Remove the rubber plugs on the bottom and inner side of the frame channel. **NOTE:** It may be easier to access the side of the frame from above, **(Figure 5B)**. Open the hood and locate the mounting hole in the side of the frame channel.
4. Select (1) 10mm Small Bolt Plate. Insert the Small Bolt Plate into the hole in the side of the frame, **(Figure 2C)**.

6. Select the driver side Frame Mounting Bracket. Slide the Bracket up and onto the Large Bolt Plate in the bottom of the frame channel, **(Figure 3)**. Secure the Bracket to the Bolt Plate with (1) 10mm x 27mm Large Flat Washer, (1) 10mm Lock Washer and (1) 10mm Hex Nut. Do not tighten hardware.
7. Move over to the passenger side of the vehicle and locate the mounting area as described in **Step 3**. Remove the rubber plugs in the bottom and inner side of the frame channel. Select (1) Small Bolt Plate, **(Figure 2A)**. Insert the Bolt Plate into the hole in the side of the frame.
8. Select the passenger side Frame Bracket. Insert the Bracket up and over the Large Bolt Plate. Secure the Bracket to the Small Bolt Plate with (1) 10mm x 27mm Large Flat Washer and (1) 10mm Locking Flange Nut. Attach the Bracket to the Large Bolt Plate in the bottom of the frame channel with (1) 10mm x 27mm Large Flat Washer, (1) 10mm Lock Washer and (1) 10mm Hex Nut, **(Figure 7B)**. Snug but do not fully tighten hardware.
9. With assistance, hold the Sport Bar up to the Mounting Brackets. Attach the Sport Bar to the Brackets using the included (2) 12mm x 50mm Hex Bolts, (2) 12mm Lock Washers and (2) 12mm Flat Washers, **(Figure 11)**.
10. Level and adjust the Sport Bar and tighten the Frame Mounting Bracket to vehicle hardware only. **IMPORTANT:** Tighten the (2) 10mm Hex Nuts on the bolt plates in the bottom of the frame channel first, and then tighten the (2) 10mm Hex Nuts securing the Brackets to the side of the frame channel.
11. Hold the plastic splash guard up in position against the (2) Frame Brackets, **(Figure 9)**. Use a marker or removable tape to mark the location of the Frame Brackets onto the inside of the splash guard, **(Figure 10)**. Cut slots in the splash guard to clear the Brackets. **IMPORTANT:** Start with small slots and gradually enlarge the size for best fit. Do not cut through the front edge of the splash guard. Do not remove the mounting locations from the cover. Only cut slots big enough to clear the Frame Brackets. Once the cover clears the Brackets, reinstall the cover with the factory hardware removed in **Step 2**.
12. Reinstall the Sport Bar, align and adjust as required and fully tighten **all** hardware.
13. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

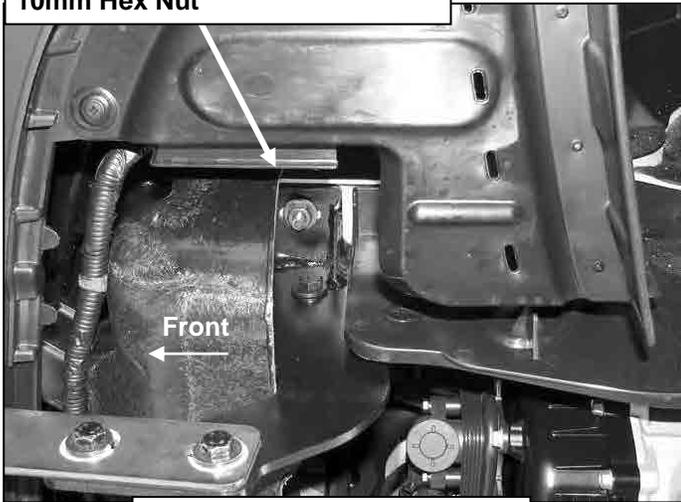
To protect your investment, wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish.

For stainless steel: Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap may be used also to clean the Sport Bar.

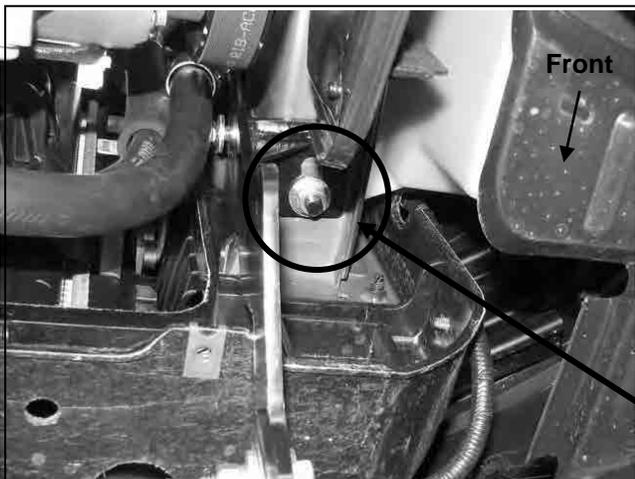
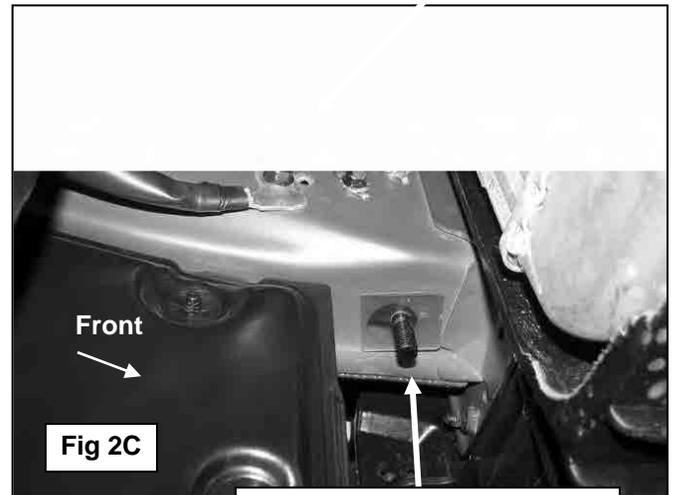
For gloss black finishes: Mild soap may be used to clean the Sport Bar.

(Fig 1) Driver side mounting location pictured from below

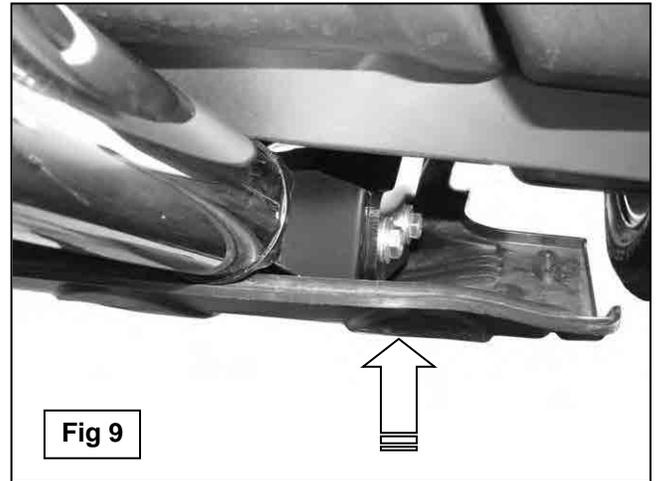
Attach the driver side Frame Bracket to Large Bolt Plate with:
10mm Large Flat Washer
10mm Lock Washer
10mm Hex Nut



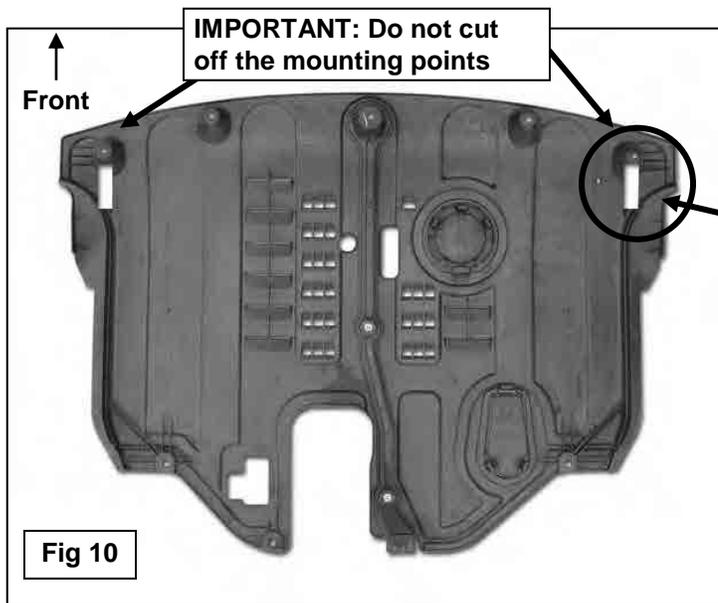
(Fig 3) Driver side Frame Bracket pictured from below



(Fig 7B) Bottom of passenger Frame Bracket attached to Large Bolt Plate pictured from below

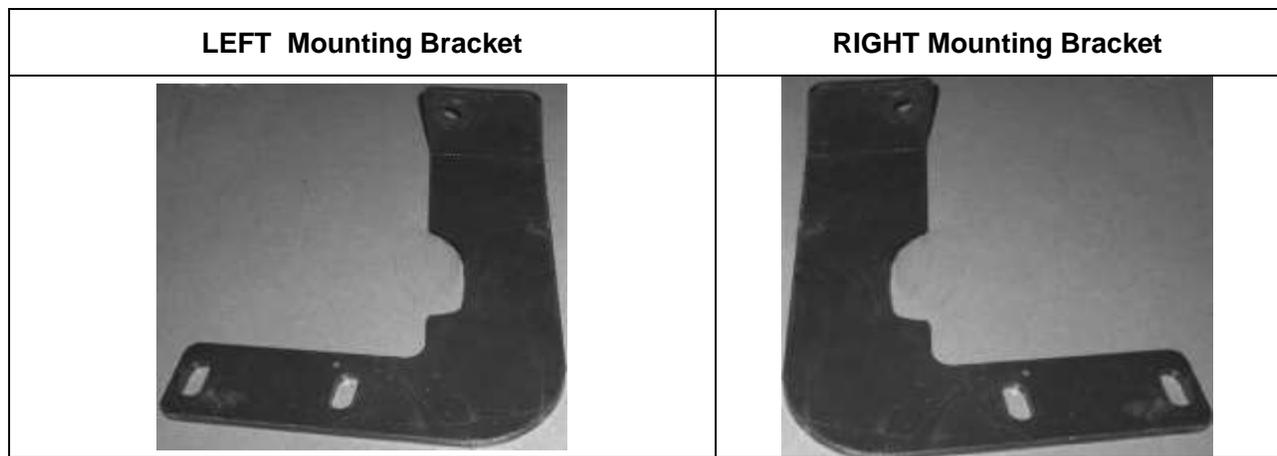


Hold the plastic splash guard up in position against the bottom of the Brackets. Mark the location of the Frame Brackets only onto the inside of the plastic cover. Remove the Sport Bar. Carefully use a sharp knife or hacksaw blade to cut the slots. **IMPORTANT: Do not cut the mounting points off of the cover**



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PART LIST:			
QTY	PART DESCRIPTION	QTY	PART DESCRIPTION
1	Grilled Guard	10	M12 FLAT WASHERS
1	LEFT Mounting Bracket	6	M12 LOCK WASHERS
1	RIGHT Mounting Bracket	6	M12 HEX NUT
4	M12X30 HEX HEAD BOLTS	2	M12*40 "T" HEX HEAD BOLTS



REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT

READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION

Install Time: 30 – 60 Minutes; Professional Installation

INSTALLATION PROCEDURE

1. Pls prepare the tools for installation, follow as: 12-14、17-19wrench.
2. Put the mount bracket into the girder of the car, and tighten it with M12 *40" T" HEX HEAD BOLTS.
3. Install the Grilled Guard on the mount bracket, and tighten it with M12*30 Hex bolt
4. Installation is finished.

Do periodic inspections to the installation to ensure all hardware is secure and tight.



**M12X30 HEX HEAD BOLTS
M12FLAT WASHERS
M12 LOCK WASHERS
M12 HEX NUT**



**M12X40 "T" HEX HEAD BOLTS
M12 FLAT WASHERS
M12 LOCK WASHERS
M12X30 HEX HEAD BOLTS**

