



SIGNATURE OF QUALITY

AUTOMOTIVE PRODUCTS, INC.

# INSTRUCTIONS—INSTRUCCIONES—CONSIGNES

APPLICATION: 2010-2013 TOYOTA HIGHLANDER

APP PART # 32-21070, 32-21075

CONTOUR LIGHT BAR

ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
1	1	CONTOUR BAR	TORQUE WRENCH
2	1	MOUNTING BRACKET DRIVER SIDE	RATCHET
3	1	MOUNTING BRACKET PASSENGER SIDE	10MM SOCKET
4	2	MOUNTING BRACKET SUPPORT STRAP	14MM SOCKET
5	2	MOUNTING BRACKET SPACER	16MM SOCKET
6	2	M12 HEX HEAD CAP SCREW	18MM SOCKET
7	2	M12 FLAT WASHERS	
8	2	M12 LOCK WASHERS	
9	2	M10 HEX HEAD CAP SCREW	
10	2	M10 FLAT WASHER	
11	2	M10 LOCK WASHERS	
12	2	M6 FLANGE BOLT	
13	2	M6 BELLEVILLE SPRING LOCK WASHER	

## ANTI-SEIZE LUBRICANT MUST BE USED ON ALL STAINLESS STEEL FASTENERS TO PREVENT THREAD DAMAGE AND GALLING

- Remove contents from box, verify if all parts listed are present and free from damage. Carefully read and understand all instructions before attempting installation.
- From underneath the front of the vehicle remove the plastic lower splash guard using the 10mm socket and set aside. *Note: To remove the splash guard there are also two push type fasteners and the shield will need to be bowed down in the middle in order to release it.* (fig 1)
- Starting on the drivers side, remove the factory cap screw shown in (fig 2) using the 14mm socket. *Note: these screws will not be re-installed.*
- Attach the drivers side mounting bracket (item 2) by placing the bracket spacer (item 5) between the bracket and the frame (fig 3). Attach the bracket using (1) M10 hex head cap screw (item 9), (1) M10 lock washer (item 11), and (1) M10 flat washer (item 10). Do not fully tighten at this time.
- Install the drivers side mounting bracket support strap (item 4) to the rear splash guard mounting hole using (1) M6 flange bolt (item 12) and (1) M6 Belleville spring washer (item 13). (fig 4) Do not fully tighten at this time.
- Follow steps 3-5 for the passenger side.
- Loosely install the contour bar (item 1) to the mounting brackets and support strap with the M12 hex head cap screws (item 6), M12 lock washers (item 8), and M12 flat washers (item 7). (fig 5)
- Level and adjust contour bar and tighten all hardware at this time. (fig 6)
- Torque M12 hardware to 50-55ft-lbs, M10 hardware to 30-35ft-lbs, and M6 hardware to 10-15 ft-lbs.
- Re-attach lower splash guard and trim as necessary to fit around mounting brackets.

### CARE INSTRUCTIONS

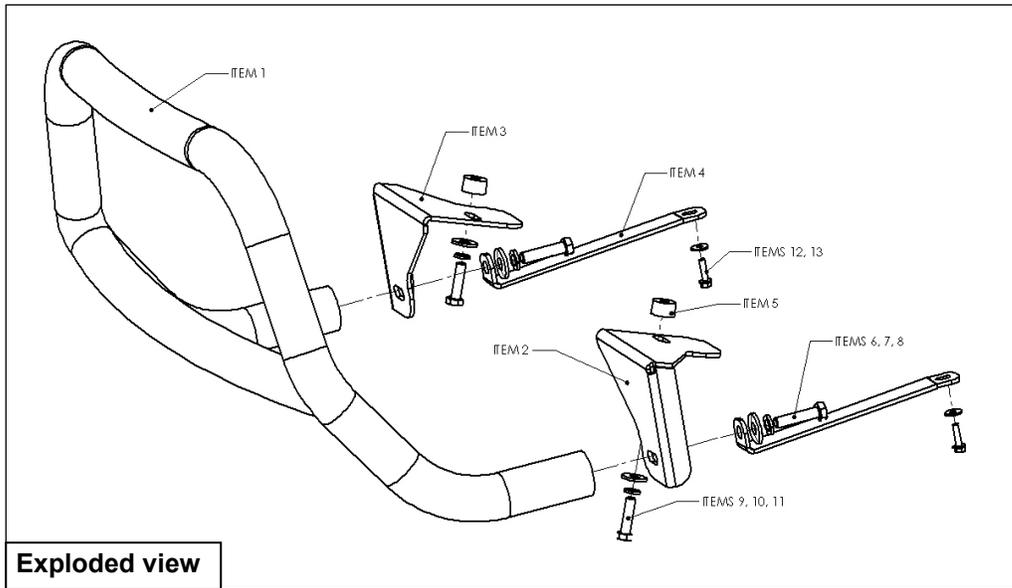
- REGULAR WAXING IS RECOMMENDED. DO NOT USE ANY TYPE OF POLISH OR WAX THAT MAY CONTAIN ABRASIVES
- STAINLESS STEEL PRODUCTS CAN BE CLEANED WITH MILD SOAP AND WATER. STAINLESS STEEL POLISH SHOULD BE USED TO POLISH SMALL SCRATCHES.
- GLOSS BLACK FINISHES SHOULD BE CLEANED WITH MILD SOAP AND WATER



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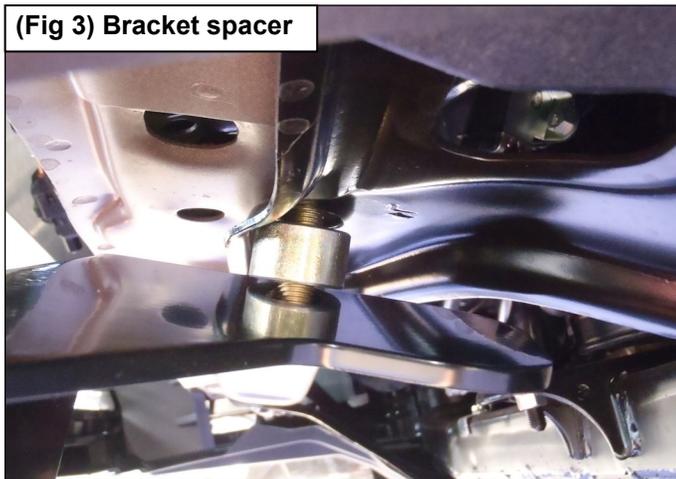
**Exploded view**



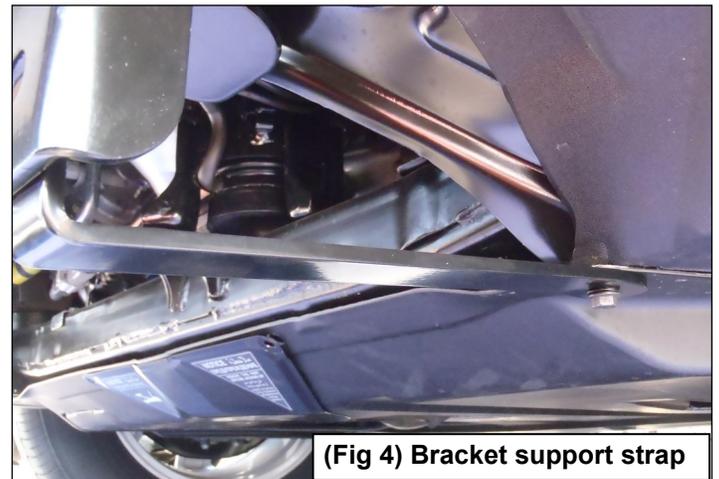
**(Fig 1) Remove factory splash guard**



**(Fig 2) Remove factory cap screw**



**(Fig 3) Bracket spacer**

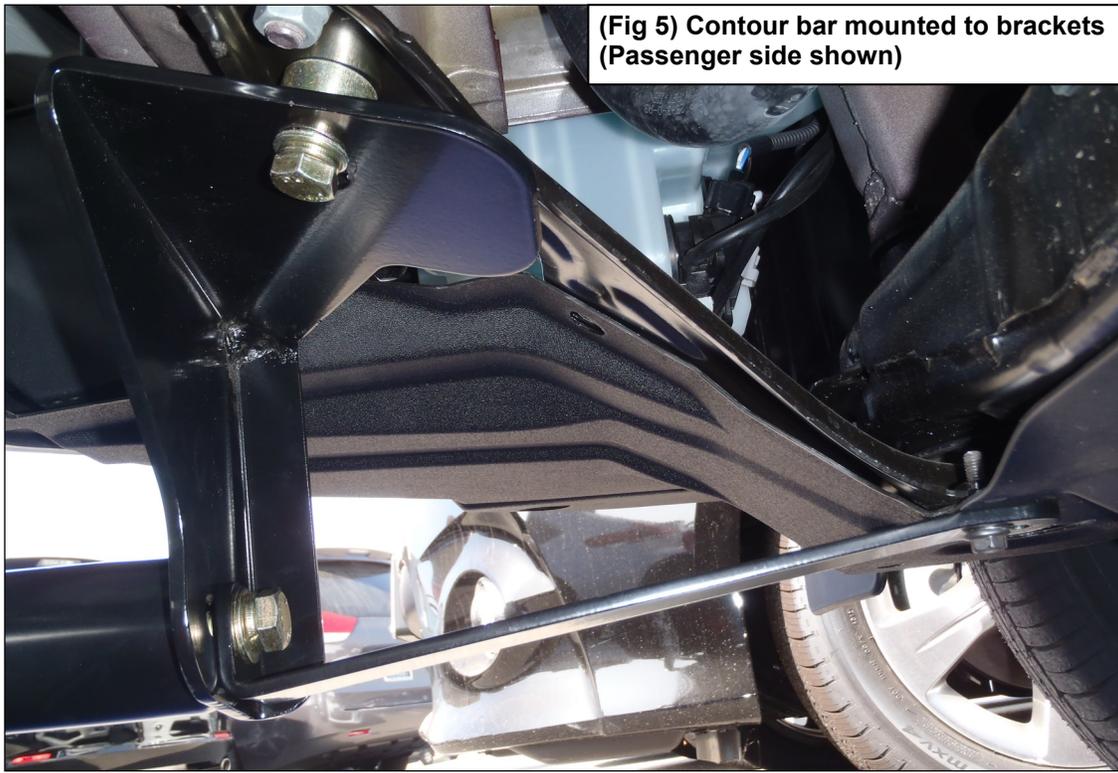


**(Fig 4) Bracket support strap**



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(Fig 5) Contour bar mounted to brackets  
(Passenger side shown)



(Fig 6) Contour bar installed



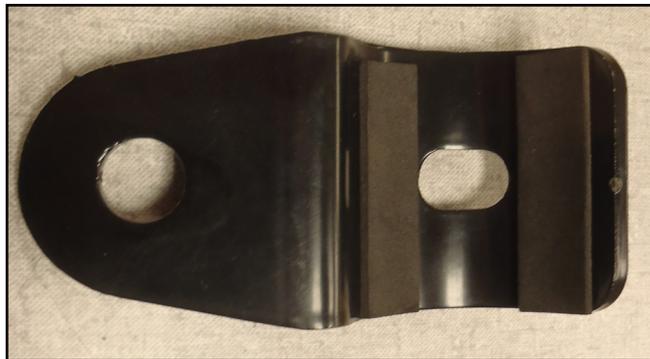
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### OPTIONAL LIGHT MOUNT TABS

ITEM	QUANTITY	DESCRIPTION	TOOLS NEEDED
14	2	LIGHT MOUNT BRACKET TABS	HEX KEY TOOL (INCLUDED)
15	2	M10 BUTTON HEAD CAP SCREW	
16	2	M10 TOOTHED LOCK WASHER	
17	2	M10 FLAT WASHER	
18	1	ADHESIVE FOAM TAPE	

1. Remove contents from box, verify if all parts listed are present and free from damage. Carefully read and understand all instructions before attempting installation.
2. Apply foam tape (item 18) to front and back of the tab facing where it mounts to the tube. (fig 7)
3. Using the supplied hex key tool, button head cap screws (item 15), lock washers (item 16), and flat washers (item 17), attach the bracket tabs (item 14) to the threaded inserts in the bottom of the cross tube. (fig 8)



**(Fig 7) Foam tape applied to light tab**



**(Fig 8) Light tab installed on bar**



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