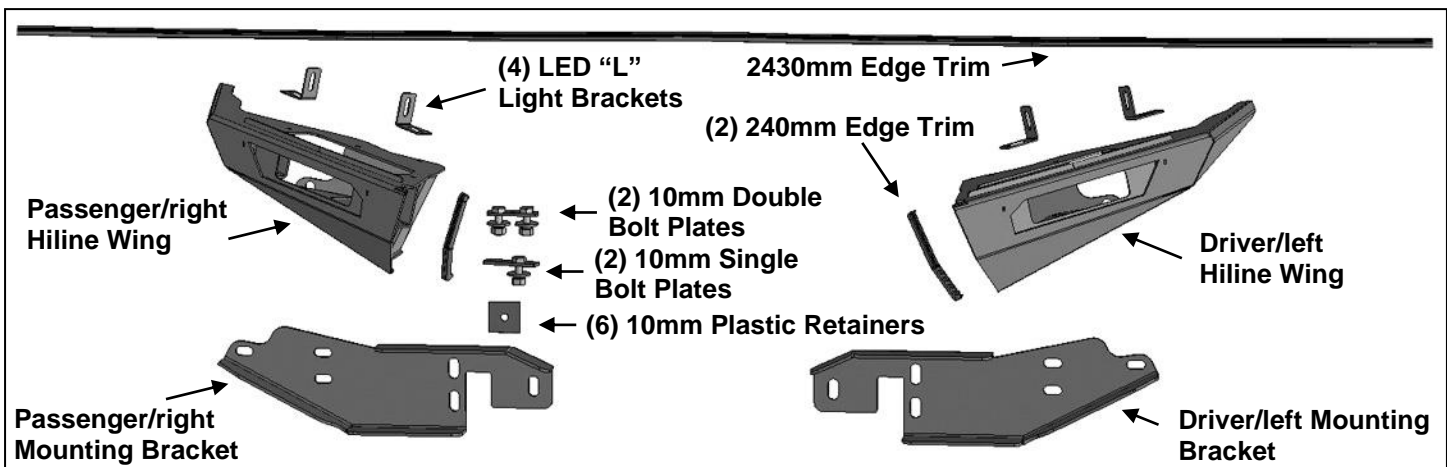


2016-2022 TOYOTA TACOMA HILINE BUMPER HIGH CLEARANCE SIDE WINGS PART #TC-19339W

PARTS LIST:

1	Hiline Driver/Left Wing	2	10mm x 30mm Double Bolt Plates
1	Hiline Passenger/Right Wing	2	10mm x 30mm Single Bolt Plates
1	Driver/Left Mounting Bracket	6	10mm x 30mm x 2.5mm Flat Washers
1	Passenger/Right Mounting Bracket	6	10mm Lock Washers
4	LED "L" Light Brackets	6	10mm Hex Nuts
1	Edge Trim (2430mm length cut to fit)	4	6-1.0mm x 20mm Hex Bolts
2	Edge Trim (240mm)	8	6mm x 12mm x 1.6mm Flat Washers
6	10mm Plastic Retainers	4	6mm Nylon Lock Nuts



PROCEDURE:

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. CUTTING OE FRONT BUMPER IS REQUIRED.

1. Open the hood and remove the plastic cover from the top of the radiator and grille, (**Figure 1**). Next, carefully remove the plastic grille.
2. Remove the factory bolts along the inside of the passenger/right front side of the wheel well to release the end of the fender flare and inner fender liner, (**Figure 2**). Pull the flare straight out to release from the clips. Repeat this **Step** to release the driver/left flare and liner. **NOTE:** The fender flares do not need to be completely removed, only the front end of the flares attached to the bumper cover need to be released to remove cover.
3. On models with factory fog lights, unplug the harness leading to the bumper.
4. Remove the hardware attaching the plastic bumper cover at the top, ends and bottom, (**Figure 1**). With assistance, pop the ends off of the inner clip and pull the bumper off and away from the vehicle, (**Figure 3**). Set the plastic bumper cover on a soft, clean and flat surface.
5. Remove the (3) factory hex nuts attaching the passenger/right Hiline Bumper Bracket to the frame, (**Figure 4**). Select the passenger/right Wing Mounting Bracket, (**Figure 5**). Reuse the (3) factory hex nuts to attach the Mounting Bracket over the Bumper Bracket, (**Figure 6**). Line up the center of the slots in the Wing Mounting Bracket with the studs and fully tighten hardware. **NOTE:** To avoid readjustment to Hiline Bumper location on vehicle, only install one Mounting Bracket at a time. Adjust final width and position of Brackets and Wings after installation is complete, (**Step 17**). Repeat this **Step** to attach the driver/left side Mounting Bracket.

6. Carefully unwrap the Hiline Wings. Select the passenger/right side Wing assembly, **(Figure 7)**. Determine if LED lights will be installed and design of lights at this time. Note lights are not included.
No lights installed at this time, skip to Step 7.
Center bolt type light installation:
 - a. Attach light to slot in center of inner mounting plate in Wing assembly, **(Figure 7)**. Repeat to install remaining light.**End mount type light installation:**
 - a. Select (1) LED "L" Bracket. Attach the Bracket to the inner hole in the mounting plate in the Wing with the included (1) 6mm x 20mm Hex Bolt, (2) 6mm Flat Washers and (1) 6mm Nylon Lock Nut, **(Figure 8)**.
 - b. Repeat previous **Step** to attach (1) LED "L" Bracket to the outer hole in the mounting plate in the Wing, **(Figure 9)**.
 - c. Attach light to the "L" Brackets.
 - d. Repeat previous **Steps** to install light in driver/left side Wing assembly.
7. Select the passenger/right Wing assembly. Insert (1) 10mm Double Bolt Plate into and out the inner mounting slots in the mounting plate on the back of the Wing, **(Figure 10)**. Thread (2) 10mm Plastic Retainers onto the Bolt Plate to help hold in place. Repeat this **Step** to insert (1) 10mm Single Bolt Plate into and out the outer hole in the back of the Wing. **NOTE:** Plastic Retainers are included to help hold the Bolt Plates in place but are not mandatory for Wing installation.
8. Apply Short Edge Trim to the inner edge of the passenger/right Wing assembly, **(Figure 11)**.
9. Attach the passenger/right Wing assembly to the Mounting Bracket with (3) 10mm Flat Washers, (3) 10mm Lock Washers and (3) 10mm Hex Nuts, **(Figure 12)**. Snug but do not fully tighten hardware.
10. Repeat **Steps 7—9** to install the driver/left Wing assembly.
11. Move to the back of the passenger/right side of the plastic bumper cover. Locate the ridge in the center of the outer end of the bumper cover at the bottom of the fog light assembly, **(Figure 13)**. Place a mark 1/4" below the inner end of the ridge. Place an end point mark approximately 3/8-1/2" below the indent for the outer bumper cover hardware, **(Figure 14)**. Draw a straight line, parallel with the ridge for the fog light, to the wheel well opening on the bumper cover, **(Figure 15)**.
12. Use a sharp knife or hacksaw blade to carefully cut along the previously marked line, **(Figure 16)**.
IMPORTANT: The previous directions for marking the line will leave an extra 1/4" of material when cutting to make any adjustments at the end of the installation as necessary.
13. Repeat **Steps 11 & 12** to cut the driver/left side of the bumper cover.
14. Reinstall the cut plastic bumper cover and trim cover as necessary for best fit to Hiline Wings.
15. Cover the passenger/right plastic fender flare with removable tape, (masking tape for example). Hold the fender flare in position on the fender and over the end of the Wing. Draw a straight line onto the tape or use the edge of the tape for a guide to match where the end of the fender and Bumper meet, **(Figures 17 & 18)**. Use a sharp knife or hacksaw blade to carefully cut the leading end off of the flare along the line. Reattach the fender flare to the fender. Repeat to cut the driver/left fender flare.
16. Once all trimming is completed, remove any rough edges along the cut bumper and cover the cut edge of the bumper cover with the included long Edge Trim, **(Figures 17—19)**. Cut the ends of the Edge Trim to fit as required.
17. Check fitment of Bumper and adjust the passenger/right Wing location in or out as needed and tighten the hardware. Adjust the driver/left side to match and fully tighten hardware.
18. Reinstall the Grille and top plastic cover.
19. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

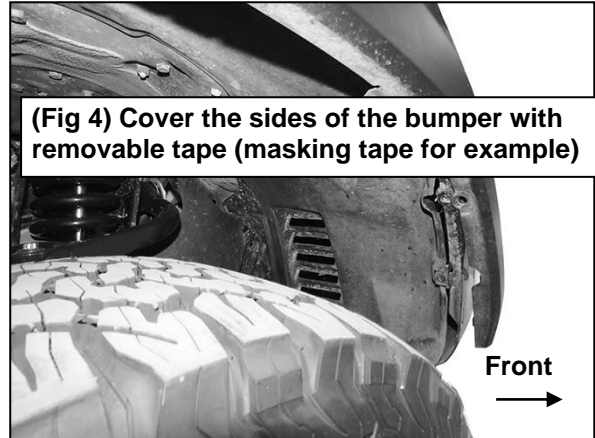
To protect your investment, Do not use any type of polish or wax that may contain abrasives that could damage the finish. Mild soap may be used to clean the Hiline Wings.

Passenger/right Side Installation Pictured



(Fig 3) Cover the top of the bumper with removable tape (masking tape for example)

(Fig 1) Remove the plastic cover from the top of the radiator. Remove grille assembly

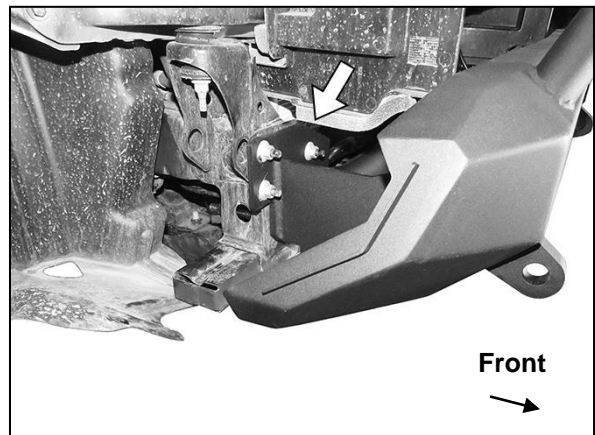


(Fig 4) Cover the sides of the bumper with removable tape (masking tape for example)

(Fig 2) Remove the factory bolts along the inside of the wheel well to release the end of the Fender Flare

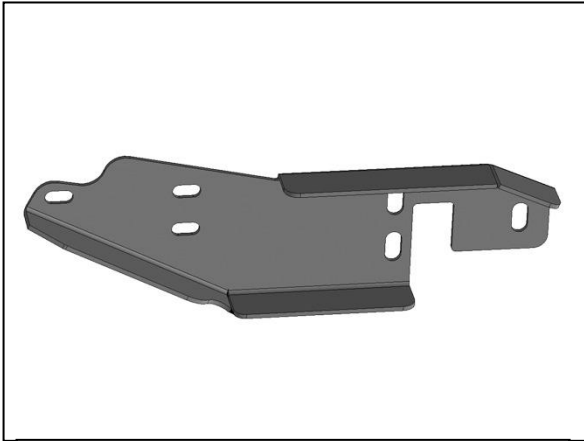


(Fig 3) Remove factory hardware along the ends, top and bottom to remove cover

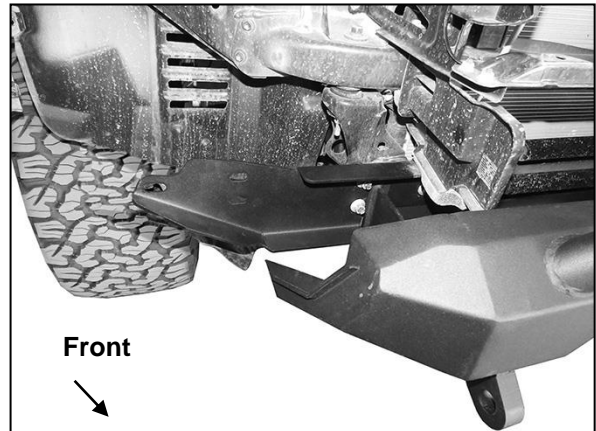


(Fig 4) Remove the (3) factory hex nuts attaching the passenger/right Hiline bumper bracket to the frame (arrow)

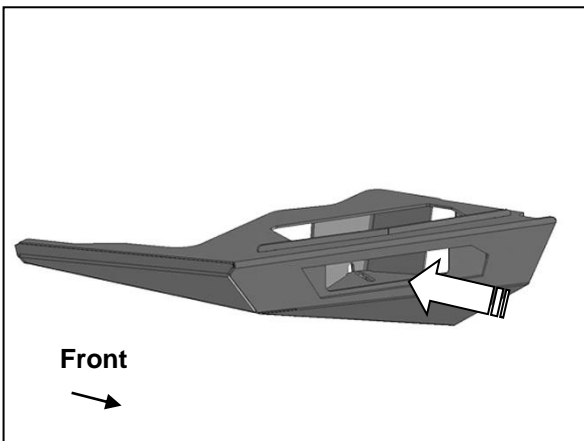
Passenger/right Side Installation Pictured



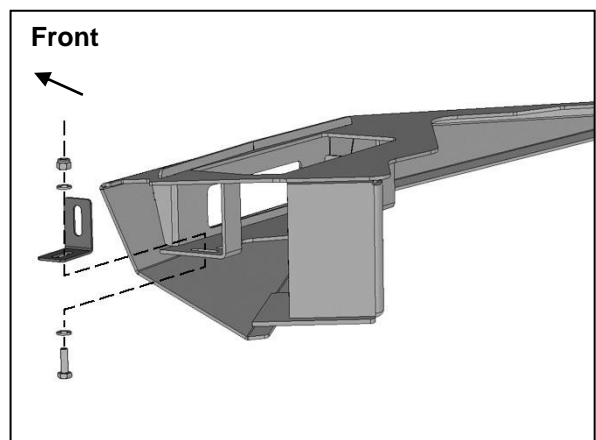
(Fig 5) Passenger/right mounting bracket



(Fig 6) Reuse the factory hex nuts to attach the Mounting Bracket to the bumper bracket and frame

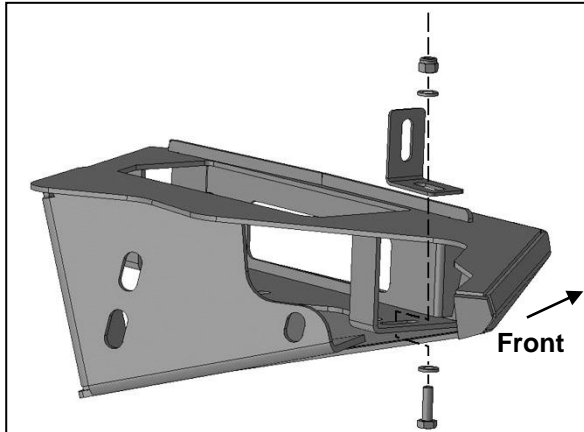


(Fig 7) Attach LED light with single mounting bolt to center slot in inner mounting plate on Wing assembly (arrow)



(Fig 8) Lights with end mounts, attach "L" Brackets to mounting plate in Wing, (inner L Bracket installation illustrated)

Passenger/right Side Installation Pictured

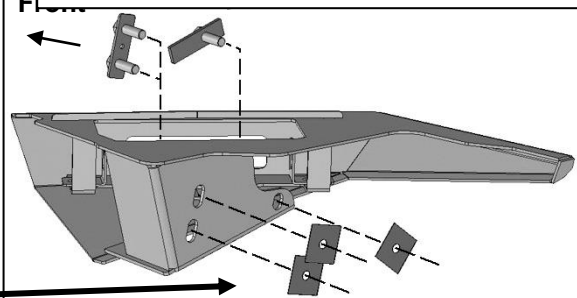


(Fig 9) Lights with end mounts, attach "L" Brackets to mounting plate in Wing and attach light to L brackets, (outer L Bracket installation illustrated)

Double Bolt Plate

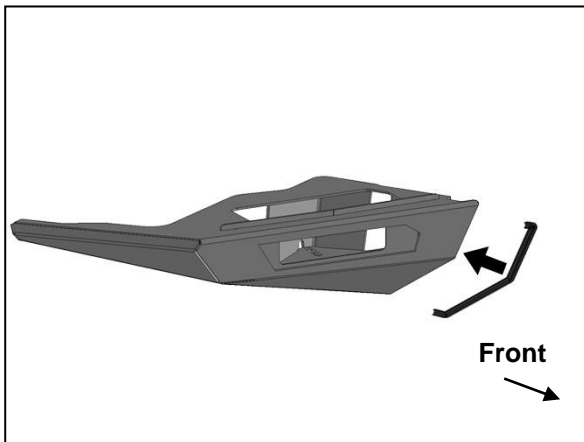
Single Bolt Plate

(Fig 13) Remove optional factory tow hook if equipped



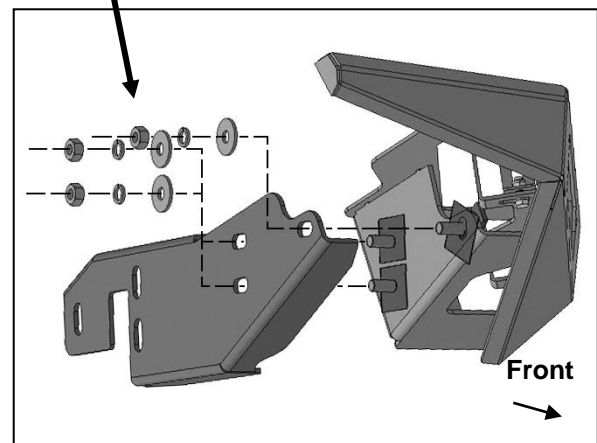
(Fig 10) Insert Single and Double Bolt Plate into and through back of Wing assembly

(3) 10mm Plastic Retainers



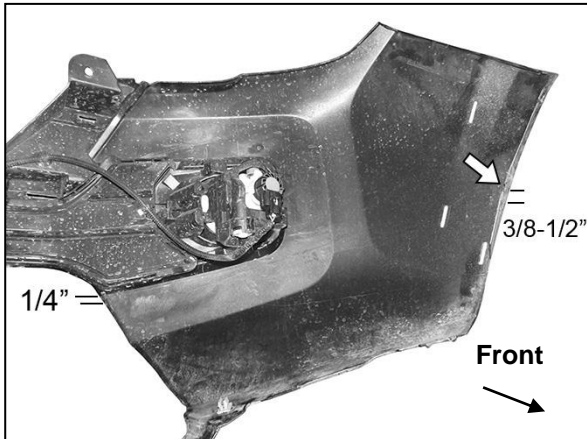
(Fig 11) Push Short section of Edge Trim onto inner edge of Wing assembly

(3) 10mm Flat Washers
(3) 10mm Lock Washers
(3) 10mm Hex Nuts

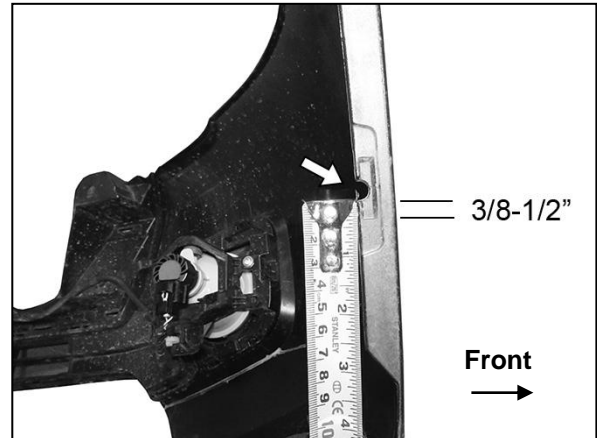


(Fig 12) Attach passenger/right Wing assembly to Mounting Bracket

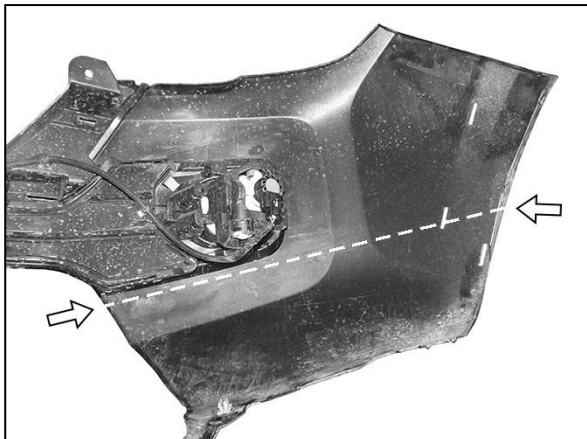
Passenger/right Side Installation Pictured



(Fig 13) Mark inner and outer locations on back of passenger/right side of bumper cover (also see Fig 14)



(Fig 14) Mark passenger/right side outer location below notch on bumper cover flange



(Fig 15) Mark a straight cut line from inner to outer marks (see Fig 13 and Fig 14-arrows). Passenger/right side pictured

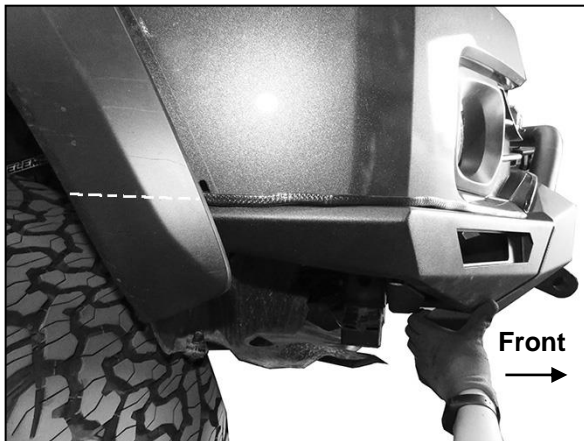
After final trimming, apply Long Edge Trim to bottom of center and ends of bumper cover. Cut Edge Trim to fit cover



(Fig 16) Passenger/right side cut pictured

INSTALLATION INSTRUCTIONS

Passenger/right Side Installation Pictured



(Fig 17) Dashed line represents approximate cut area on fender flare

After final trimming, apply Long Edge Trim to bottom of bumper. Cut Edge Trim to fit cover



(Fig 18) Use removable tape to protect finish on flare. Cut flare to line up with Wing



(Fig 19) Passenger/right side of bumper cover and flare cut to fit Hilne Wing



Complete Installation
(light not included)