



## **INSTALLATION INSTRUCTIONS**

**VGUBG-1173-1229BK-20LED**

**01-07 TOYOTA HIGHLANDER PARTS**

### **LIST:**

1 Bull Bar 2 12mm Lock Washer  
1 Driver Side Mounting Bracket 6 12mm ID x 30mm OD x 3mm Flat Washers  
1 Passenger Side Mounting Bracket 2 12mm Nylock Nut  
2 12-1.75mm x 45mm Hex Head Bolt 2 8mm Nylock Nut  
2 12-1.75mm x 100mm Hex Head Bolt 4 8mm ID x 22mm OD x 3mm Flat Washer 2  
8-1.25mm x 25mm Hex Head Bolt

### **PROCEDURE:**

**1. REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT.  
READ  
INSTRUCTIONS CAREFULLY.**

**2.** Carefully remove the plastic shroud underneath the vehicle by removing the (4) screws on top, (4) screws on bottom, and (1) fastener on each side (Figure 2).

**3.** Remove the plastic plugs on the cross bar member. There is one on the passenger side and one on the driver side, top and bottom of cross member bar (Figure 3).

**4.** Position Driver Side Mounting Bracket to vehicle and align holes on the bracket to factory holes. The rear most hole to the Mounting Bracket mounts to the cross bar member using (1) 12-1.75mm x 100mm Hex Head Bolt, (1) 12mm Nylock Nut, and (2) 12mm Flat Washers. The front hole on the Mounting Bracket mounts to the factory bumper support by using (1) 8-1.25mm x 25mm Hex Head Bolt, (1) 8mm Nylock Nut, and (2) 8mm Flat Washers, use this

hardware to re-attach the side factory plastic shroud (Figure 4). **NOTE:** To ease the installation insert bolts with flat washer listed in this step through the top of the cross bar member and bumper support. Do not tighten at this time. Repeat this step for passenger side.

5. Position Bull Bar onto Mounting Brackets and loosely attach it with the included (2) 12-1.75 x 45mm Hex Head Bolts, (2) 12mm Flat Washers, and (2) 12mm Lock Washers (Figure 4).

6. Level and adjust Bull Bar, then tighten all hardware at this time.

7. In order to re-install the plastic shroud, some cutting is necessary. Once the Bull Bar is fully mounted, place the center plastic shroud to its original position and mark where it needs to be cut (Figure 5). Re-install plastic shroud with factory hardware removed in step 1.

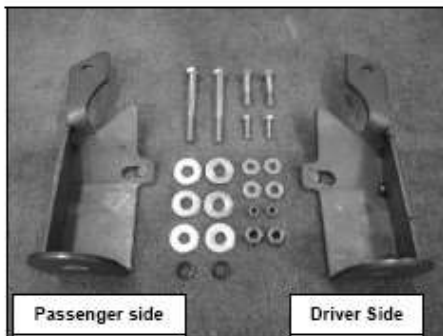


Figure 1

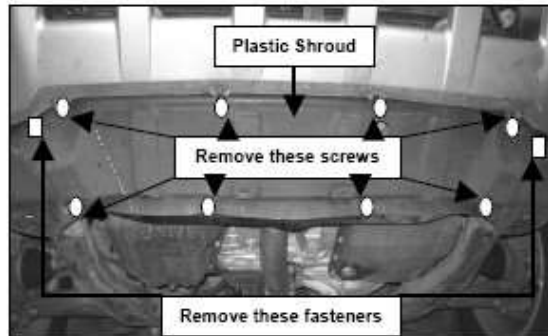


Figure 2

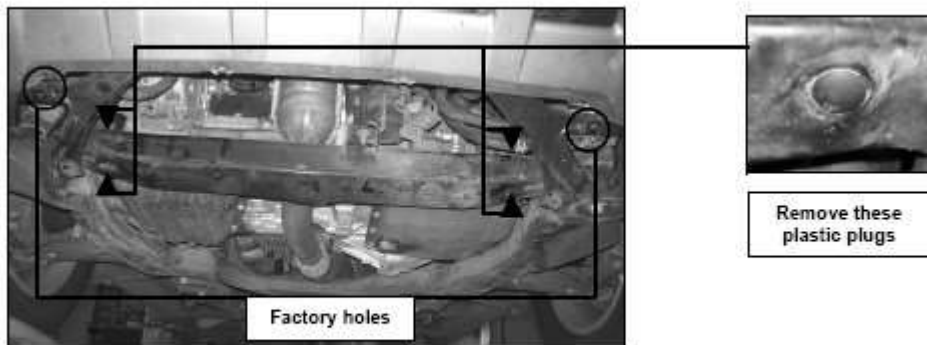


Figure 3

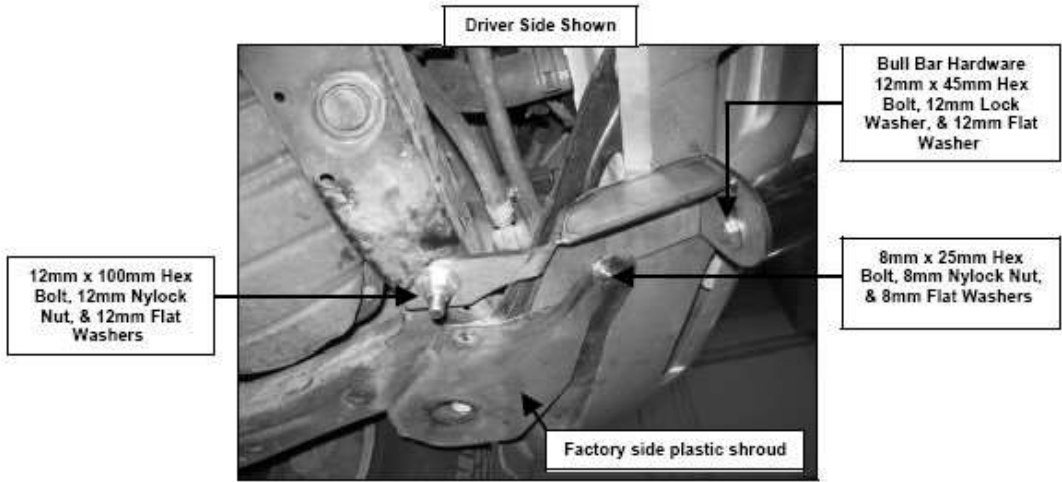


Figure 4

