



## INSTALLATION INSTRUCTIONS

### 03-04 NISSAN MURANO

### FRONT NUDGE BAR

### PART# 722760SP

#### COMPONENTS

- (2) Mounting Brackets (DS & PS) (2) 3/8 X 1 1/2" Hex Head Bolts
- (2) Support Brackets (DS & PS) (4) 3/8" Nylock Nuts
- (2) Light Brackets (8) 3/8" USS Washers
- (1) 1/4" Spacer Bracket (Tooling) (4) 1/2 x 1 1/2" Hex Head Bolts
- (1) 3/8 x 4" Hex head Bolt (4) 1/2" Nylock Nuts
- (1) 3/8 x 4 1/2" Hex Head Bolt (8) 1/2" SAE Washers
- (2) M8x1.25x33 SEMS Bolts (2) 1/4 x 1" Hex Head Bolt
- (1) M8x1.25x25mm Hex Head Bolt (2) 1/4" USS Washers
- (2) M8x1.25 Closed End Inserts (2) 1/4" Split Lock Washers

#### INSTALLATION

**Note:** This front bar can be installed on vehicles equipped with and without factory tow hooks.

1. Before you start installing the front nudge bar, make sure you have all the components listed above.
2. Remove the bolts securing the sump guard located underneath the vehicle in order to install the front nudge bar.
3. Once the sump guard is removed, the brackets will be mounted to the vehicles frame cross member as shown in Figures 2 & 3. **NOTE:**  
You will not be able to use the sump guard after installing the front nudge bar.
4. Refer to Figure 1 to identify the mounting and support brackets.
5. Start with the driver side; place the driver side mounting bracket up against the frame cross member to locate the mounting holes that line up to the bracket as shown in Figure 2.
6. Notice that there is two holes on the frame cross member, ones that goes all the way through to the top and the other doesn't. Install the M8x1.25 closed end insert to the hole that doesn't go through to the top using the 1/4" spacer bracket, M8x1.25x25 hex bolt and a wrench to tighten the insert. Figure 5 shows the installation of the M8 closed end insert.
7. Once the M8 insert is tightened on the driver side, remove the M8x25 hex bolt and spacer bracket and repeat step 6 to install the insert on the passenger side; using the passenger side mounting bracket to locate the mounting locations
8. Bolt the brackets to the vehicles frame cross-member using the M8x1.25x33 SEMS bolts and the 3/8" hex bolts through the other hole using a 3/8" Nylock nut and washer on the passenger side and the support bracket on the driver side as shown in Figures 2 & 3.
9. Once the brackets are installed proceed to install the passenger side support bracket. Identify the driver and passenger side support bracket (See Figure 1) and bolt them to the 3/8" bolts on the upper side of the frame cross member. Bolt the other ends of the support brackets using the 3/8 x 1 1/2" hex bolts to the vertical slotted hole on each mounting bracket. (See Figures 2 & 3)
10. With the help of another person lift the nudge and bolt it to the mounting brackets using the 1/2" hardware supplied. The nudge bar should slide to the outer face of the mounting brackets.

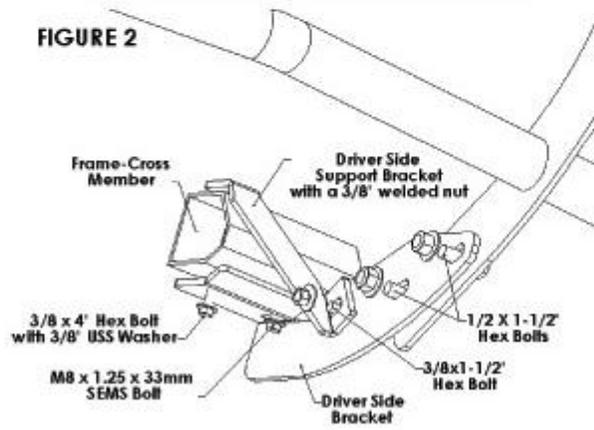
11. After the nudge bar has been installed, proceed to install the light brackets to the upper tube of the nudge bar. There are two inserts on the upper tube; bolt the light brackets using the 1/4 x 1" hex bolt with a 1/4" washer and a 1/4" split lock washer as shown in Figure 4.
12. Once all the brackets are in place, align the front nudge bar vertically and horizontally and tighten all the hardware.



Revision A: 9/23/03

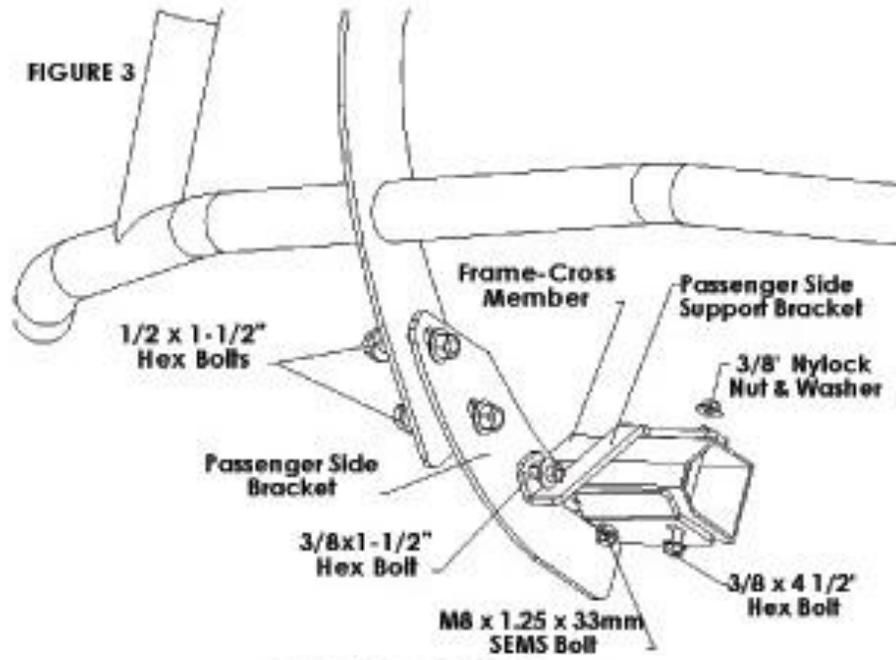
DISCLAIMER: MARK PRODUCTS SHOULD NOT BE RELIED UPON AS PROTECTION FOR VEHICLE IN THE EVENT OF A COLLISION, OR ROLLOVER. DO NOT INSTALL WINDERS ON MARK FRONT BARS, UNLESS SPECIFICALLY DESIGNED TO ACCEPT A MARK WIND ADAPTER.

FIGURE 2



**PART# DC-553S**  
DRIVER SIDE BRACKET ASSEMBLY

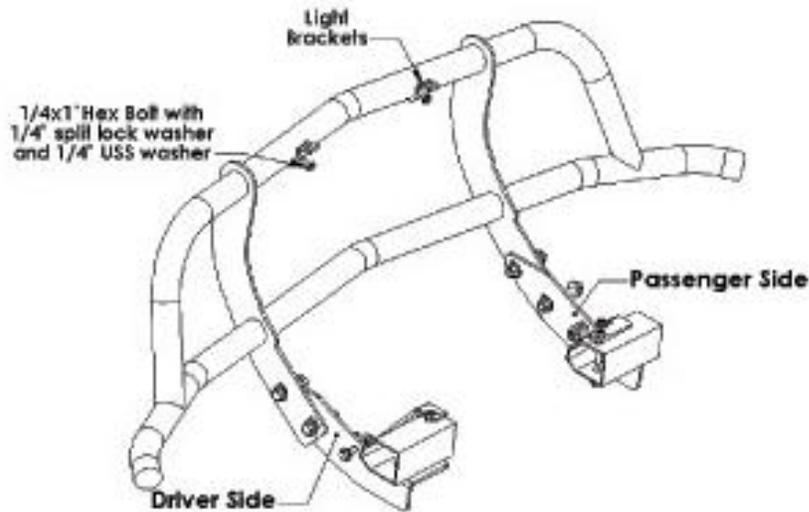
FIGURE 3



**PART# DC-553S**

PASSENGER SIDE BRACKET ASSEMBLY

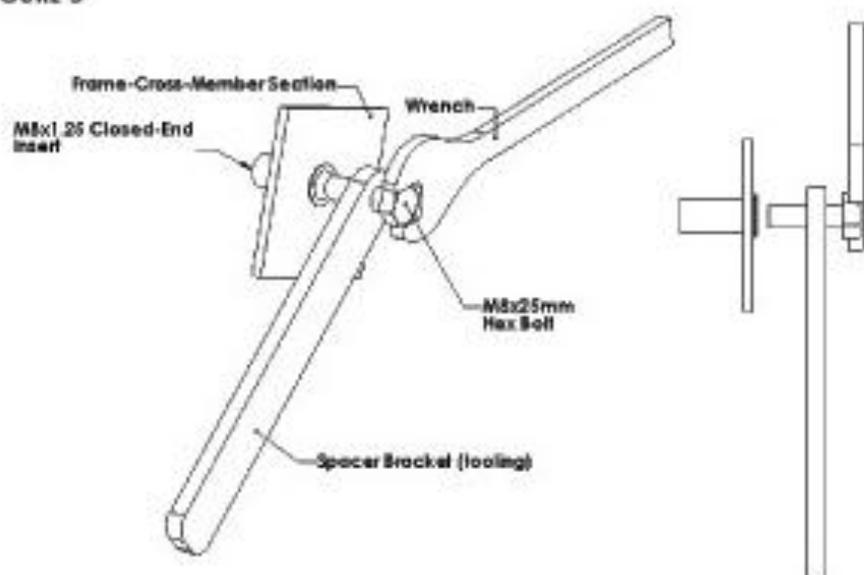
FIGURE 4



**PART# DC-553S**

FRONT NUDGE BAR ASSEMBLY

**FIGURE 5**



**INSERT INSTALLATION**