

Demco

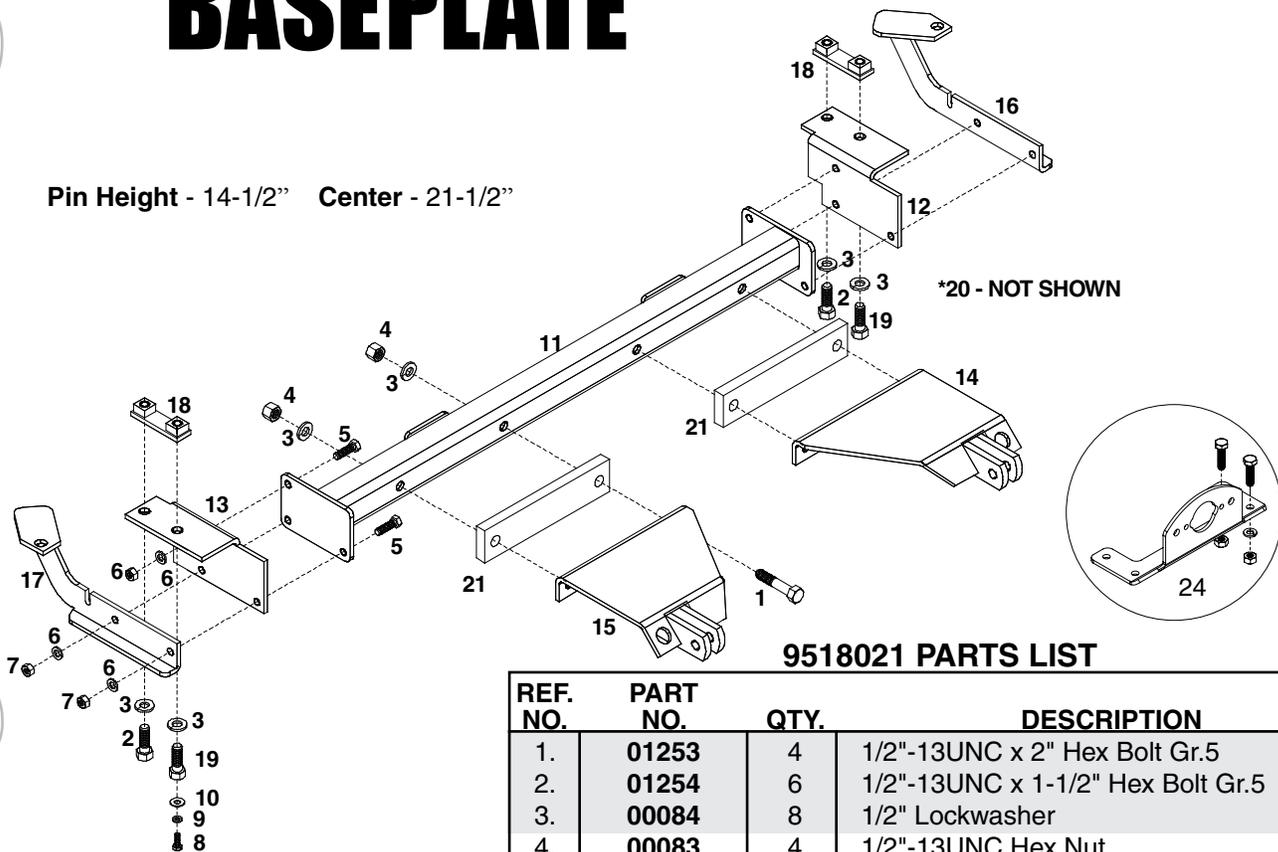
BASEPLATE



'93 -'95 Saturn SL2 & SW2 (Concealed Unit)

'96 -'99 Saturn SL, SL1, SL2, SW1, & SW2 (Concealed Unit)

Pin Height - 14-1/2" Center - 21-1/2"



9518021 PARTS LIST

REF. NO.	PART NO.	QTY.	DESCRIPTION
1.	01253	4	1/2"-13UNC x 2" Hex Bolt Gr.5
2.	01254	6	1/2"-13UNC x 1-1/2" Hex Bolt Gr.5
3.	00084	8	1/2" Lockwasher
4.	00083	4	1/2"-13UNC Hex Nut
5.	00523	6	3/8"-16UNC x 1-1/4" Hex Bolt Gr.5
6.	00060	6	3/8" Lockwasher
7.	00061	6	3/8"-16UNC Hex Nut
8.	00092	2	1/4"-20UNC x 1/2" Hex Hd. Bolt Gr.5
9.	00057	2	1/4" Lockwasher
10.	00214	2	1/4" Flatwasher
11.	07482-76	1	Cross Member
12.	07483-76	1	Left Mounting Bracket
13.	07484-76	1	Right Mounting Bracket
14.	07485-76	1	Left Attaching Pod
15.	07486-76	1	Right Attaching Pod
16.	07487-76	1	Left Rear Support Bracket
17.	07488-76	1	Right Rear Support Bracket
18.	07489-76	2	Nut Strip
19.	07526	2	1/2"-13UNC x 1-1/2" Center Tap Bolt
20.	01212-95	2	Spacer Bushing(1/2" x 5/8" lg.)
21.	09226-76	2	Pod Spacer Plate
22.	12979	1	Pull Ear Cover "A" (not shown)
23.	12980	1	Pull Ear Cover "B" (not shown)
24.	5937	1	Plug Mount Kit
25.	13026	1	Loctite(not shown)

Please order replacement parts by PART NO. and DESCRIPTION.

ASSEMBLY
OPERATION
REPLACEMENT PARTS

READ complete manual CAREFULLY
BEFORE attempting operation.

Doing Our Best to Provide You the Best

WARNING: FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN LOSS OF TOWING VEHICLE CONTROL, SEPARATION OF THE TOW BAR FROM THE TOWING VEHICLE, SEPARATION OF THE TOWED VEHICLE FROM THE TOW BAR, CAUSING SEVERE PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE.

CAUTION

Safety is of utmost importance at all times. There are several items that must be checked each time before using and while using a tow bar.

Before allowing anyone to hook up or operate a tow bar, be sure they have read and understand the proper operating procedure.

DO NOT use worn or damaged cables and/or pins.

Be sure the **SAFETY CABLES** are hooked, chassis to chassis, to both the towing and towed vehicles using the crisscross method.

Check clearance between vehicles in a turning situation.

Check base plate mounting bolts for tightness and frame for metal fatigue.

Do not load the towed vehicle with anything as you may exceed the towing capacity of the tow bar.

Keep fingers away from pivot points to prevent personal injury.

Be sure the steering components of the towed vehicle are properly aligned.

Demco baseplates are designed for use on factory vehicle suspension setups. Demco baseplates are not recommended for use on modified suspensions lowered or raised. Towing vehicle must be larger and at least 500 lbs. heavier than the towed vehicle and tow bar combined.

NOTE: This unit can be backed up in moderate increments. Any severe backwards cornering could result in damage to the Tow Bar and/or towed vehicle chassis.

For automatic transmissions: Consult your vehicle owners manual for towing suitability with the drive shaft connected. Otherwise, the towed vehicle will have to be equipped with a transmission pump or drive shaft disconnect.

Check to make sure that all lights are in proper working order.

The information on towability of vehicles is reprinted with permission of MotorHome® Magazine, and is believed to be reliable. However, Demco does not warrant the information to be correct. Always consult your towed vehicle owner's manual and follow towing instructions. Each year, MotorHome® Magazine, compiles a list of vehicles that can be towed four-down behind a motorhome with no modifications required.

 **Caution: MotorHome® Magazine** left out any vehicles that have towing speed limits slower than 55 m.p.h., or distance limits of less than 200 miles. At a minimum, these vehicles require significant modification, such as the use of an aftermarket product, to make them towable. The availability of a **Demco Tow Bar Base Plate** does **not** imply that these vehicles can be modified or that there is an aftermarket product available. Refer to your vehicle owner's manual or consult your dealer to determine whether your vehicle can be modified to make it towable. Failure to observe this precaution could result in property damage or personal injury.

IMPORTANT INSTALLATION ITEMS

DEMCO products and accessories are intended to be installed by professional installers with experience, proper equipment and the ability to do modification work. Installers with these qualifications can be found in RV and Auto-tive Service Centers.

If the car to be towed has been in an accident, the chassis may be damaged in an area where the Base Plate attaches. It may no longer be suitable for towing. Extreme caution and careful examination are required in such a situation. It is also likely, even from a minor accident, that the hole alignment will be more difficult due to hole alignment problems.

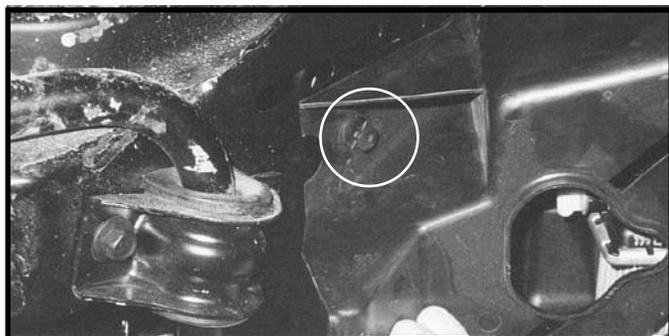
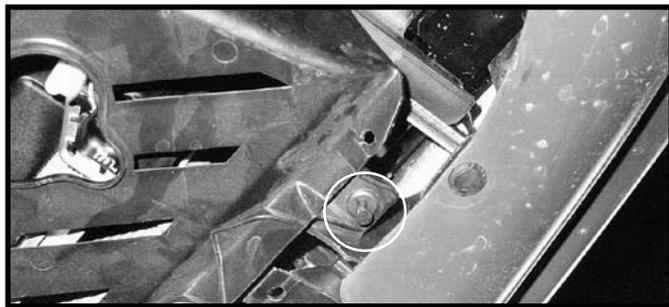
Many DEMCO Base Plates are designed to use existing holes and hardware to mount the Base Plate to the towed vehicle. Even though the bolt is there, however, do not assume it is adequate for mounting the Base Plate. Manufacturers make many changes in hardware both within and between model years. Be sure the bolt is long enough to protrude past the nut a distance no less than 1/2 the diameter of the bolt, after the Base Plate is mounted. The threads should be in good condition. We require that "LOCTITE® Blue"

NOTE: The dimensional variations between otherwise identical vehicles can be considerable. Some minor modifications may have to be made to ensure a proper fit.

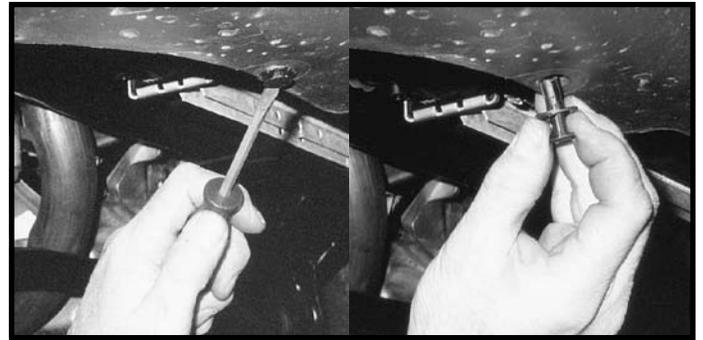
BOLT TORQUE SPECIFICATIONS

STANDARD BOLTS:			METRIC BOLTS:		
Size	Grade	Torque	Size	Grade	Torque
5/16"	5	18 ft/lbs	8mm	8	23 ft/lbs
3/8"	5	30 ft/lbs	10mm	8	45 ft/lbs
7/16"	5	50 ft/lbs	12mm	8	78 ft/lbs
1/2"	5	75 ft/lbs	14mm	8	125 ft/lbs

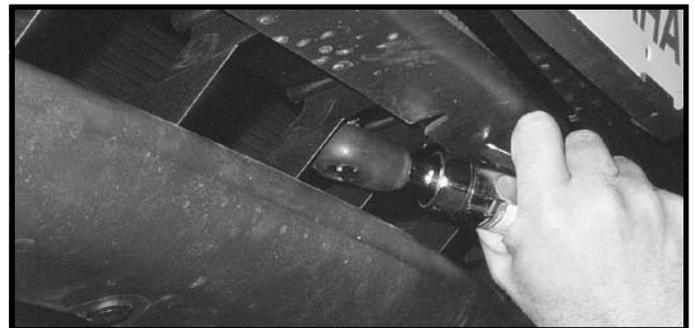
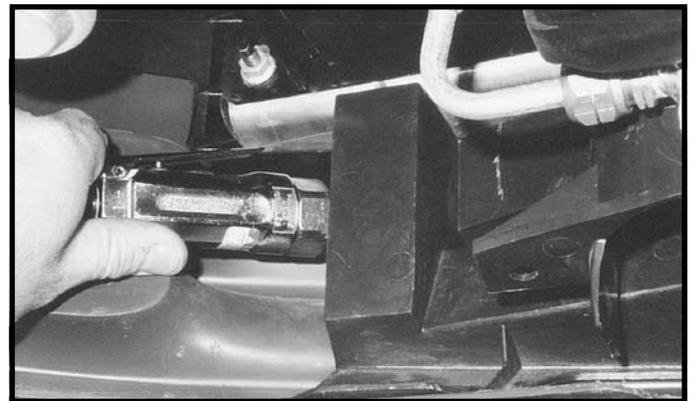
INSTALLATION INSTRUCTIONS



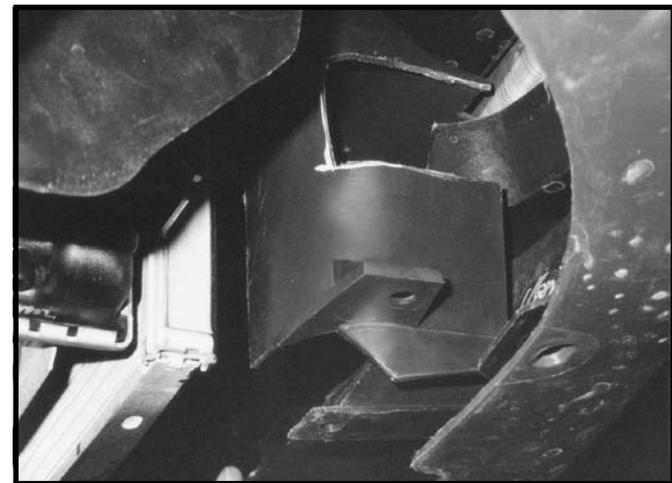
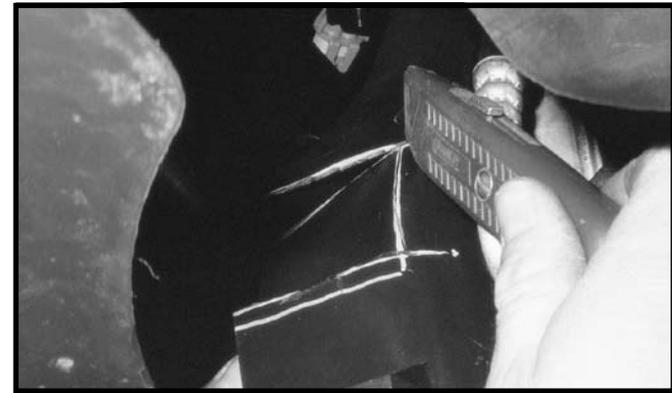
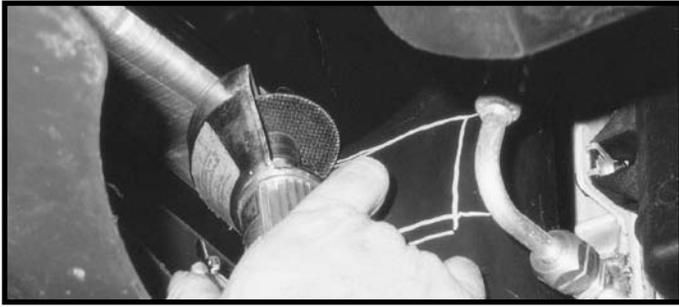
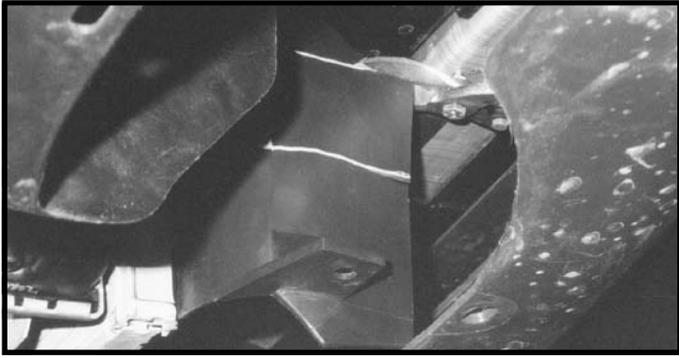
1. Remove a plastic push rivet from front mounting hole of front fender well extension. Also remove four push rivets from lower splash panel to gain access to inner area. Remove air dam by releasing spring fasteners.



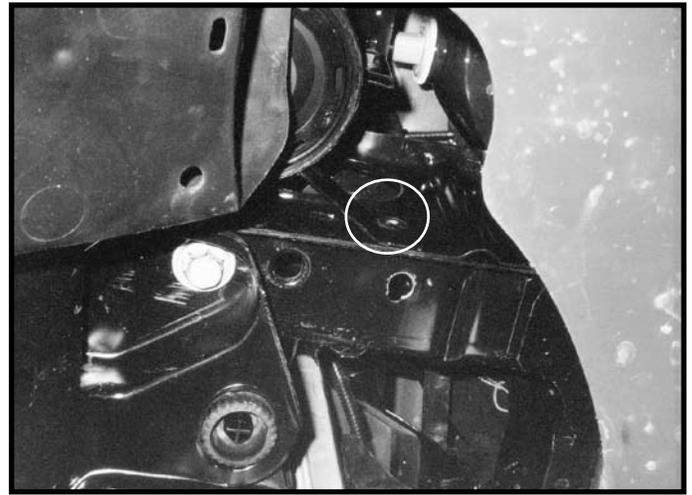
2. To remove the lower inner bumper fascia support, you will need to remove three upper push rivets and four lower ones.



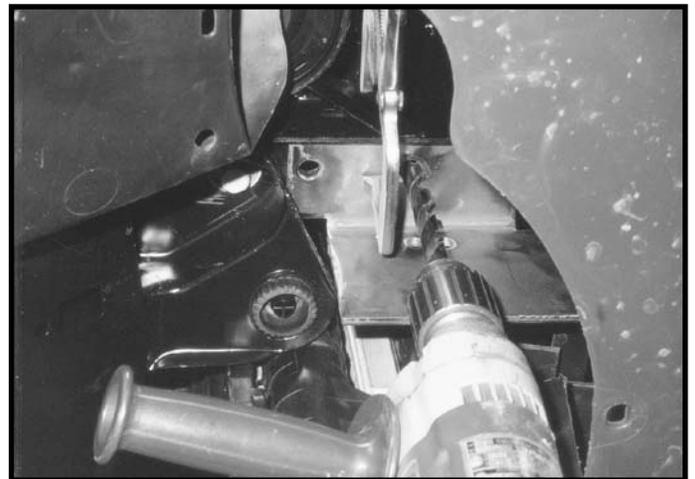
3. Remove three 10mm hex nuts from inner fascia support, one bolt in center and one on each side. Carefully remove inner bumper support. You will have to pull the radiator shroud out of the way for removal.



4. Mark and cut lower portion of radiator shroud on both sides. Mark a top horizontal line across shroud that is flush with lower surface of inner bumper. Measure three inches down for lower cut. Make a vertical mark three inches from front of radiator shroud. Use a tin snips or high speed cut-off tool to cut horizontal lines and a knife to score and snap on vertical line.



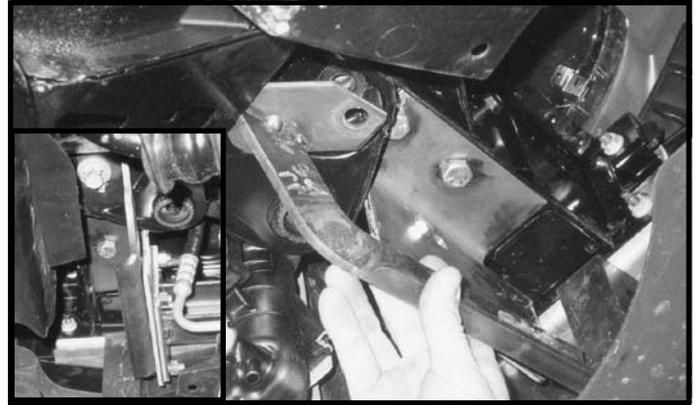
4. Mark and cut lower portion of radiator shroud on both sides. Mark a top horizontal line across shroud that is flush with lower surface of inner bumper. Measure three inches down for lower cut. Make a vertical mark three inches from front of radiator shroud. Use a tin snips or



6. Locate side mounting brackets by aligning rear hole of bracket with hole located in sub-frame, shown above. Clamp in place. Drill front mounting hole with a 17/32" drill bit, repeat for other side.



7. Insert nut strip into frame thru access hole on outside of frame. Attach left and right mounting brackets, loosely, using two 1/2" x 1-1/2" bolts, two special 1/2" x 1-1/2" "Center Tap" bolts (to front) and lockwashers. Remove clamps after bolts are started.



- NOTE: Install Rear Support Brackets one side at a time.**
9. Attach rear support brackets to large sub-frame mounting bolt, one side at a time, and tighten securely. Align cross-member with mounting bracket and rear support bracket and secure using remaining four 3/8" x 1-1/4" hex bolts and tighten all six. Tighten left and right mounting bracket bolts in sub-frame.

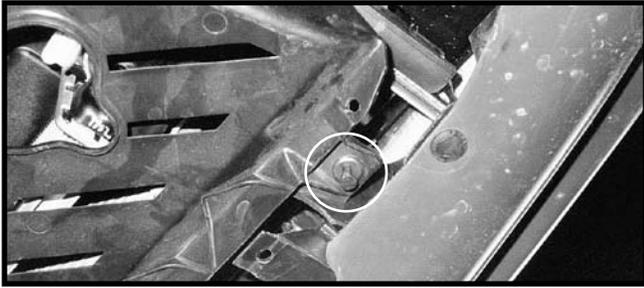


8. Position cross member up into area where notches were cut in shroud. **NOTE: Careful not to damage air conditioning condenser.** Hang in place using two of six 3/8" x 1-1/4" hex bolts, lockwashers and hex nuts in upper hole.



10. Insert left and right base plate attaching pods through upper grill opening, safety chain anchor hole is located to the outside, attach pods using 1/2" x 1-1/2" hex bolts, lockwashers and hex nuts.
11. Re-install inner bumper support, carefully, replace three 10mm nuts that were removed earlier. Replace seven plastic push rivets.
12. Attach inner fender extension to special 1/2" x 1-1/2" Center Tap Bolt using two 1/4" x 1/2" hex head bolt, lockwashers and flatwashers
13. Re-install lower splash guard. Two larger push rivets to rear and two small push rivets to front.

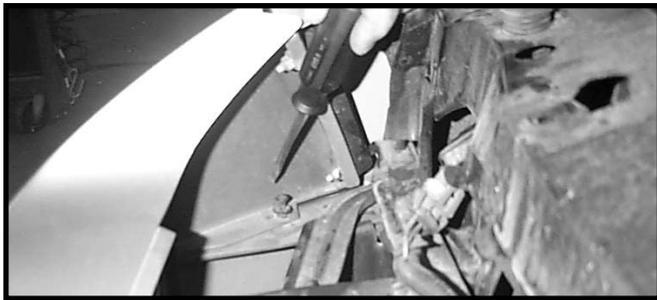
Instructions for '93 - 95' Saturn SL2 and SW2 (Concealed Unit)



1. Remove four push rivets from lower splash panel to gain access to inner area. Remove air dam by releasing spring fasteners.



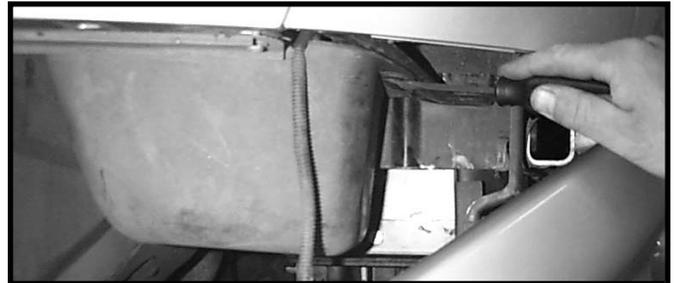
2. Remove both head light assemblies.



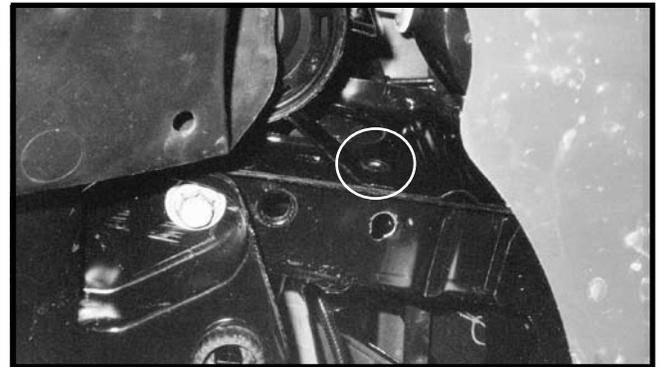
3. Remove one plastic push rivet which holds upper fascia to lower fascia on each side.



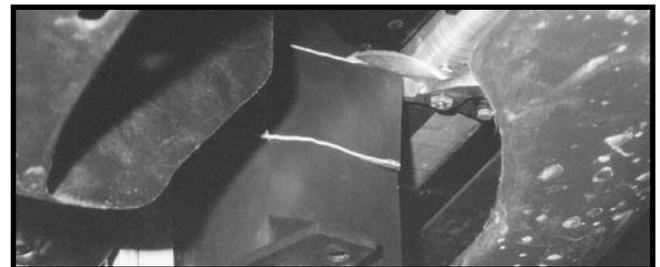
4. Loosen two bolts that hold bottom fascia to fender, and remove five plastic push rivits across bottom of fascia. Unplug side marker lights and pull side of fascia out and let hang.



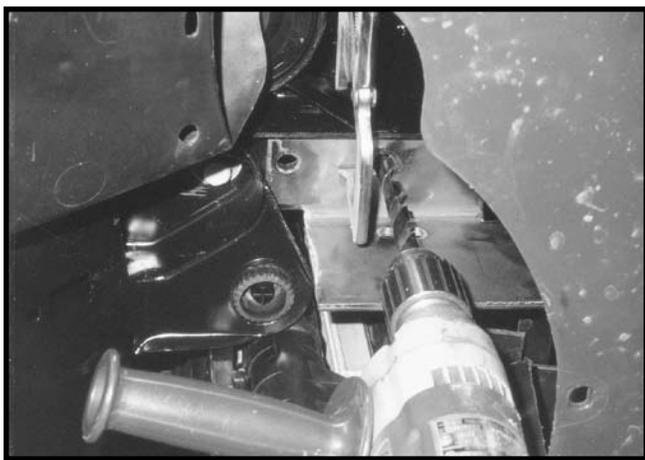
5. Remove plastic push rivet from front fender well extension and pull down to expose hole inside of frame for nut plate on each side.



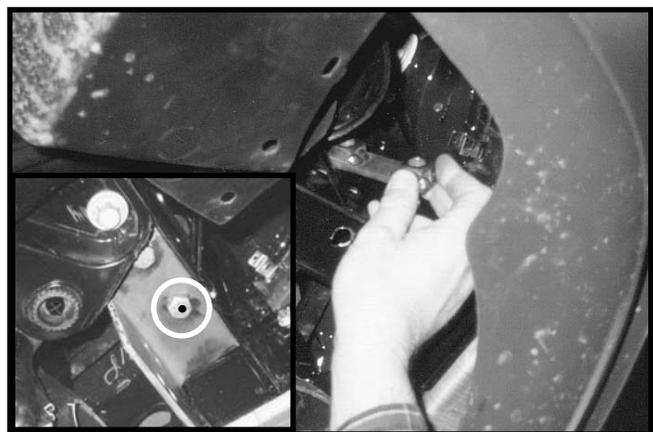
6. Remove lower canister bolt temporarily so nut strip can be installed. Slide spacer bushing over threads and replace bolt. This will allow bolt to tighten down with out interfering with nut strip.



7. Mark and cut lower portion of radiator shroud on both sides. Mark a top horizontal line across shroud that is flush with lower surface of inner bumper. Measure three inches down for lower cut. Make a vertical mark three inches from front of radiator shroud. Use a tin snips or high speed cut-off tool to cut horizontal lines and a knife to score and snap on vertical line.



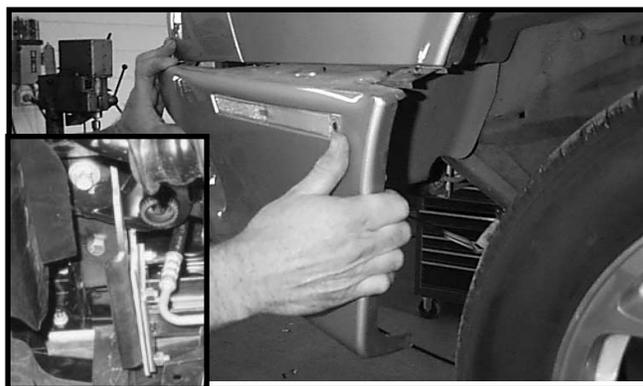
8. Locate side mounting brackets by aligning rear hole of bracket with hole located in sub-frame, shown above. Clamp in place. Drill front mounting mounting hole with a 17/32" drill bit, repeat for other side.



9. Insert nut strip into frame thru access hole on outside of frame. Attach left and right mounting brackets, loosely, using four 1/2" x 1-1/2" bolts, and lockwashers. Remove clamps after bolts are started.



10. Position cross member up into area where notches were cut in shroud. **NOTE: Careful not to damage air conditioning condenser.** Hang in place using two of six 3/8" x 1-1/4" hex bolts, lockwashers and hex nuts in upper hole.



NOTE: Install Rear Support Brackets one side at a time.

11. Attach rear support brackets to large sub-frame mounting bolt, one side at a time, and tighten securely. Align cross-member with mounting bracket and rear support bracket and secure using remaining four 3/8" x 1-1/4" hex bolts and tighten all six. Tighten left and right mounting bracket bolts in sub-frame.



12. Put plastic push rivets back in front fender well extensions, plug in marker lights, refasten fascia to fender, plastic push rivet to upper and lower fascia, reinstall headlights, lower splash shield, and air dam.



13. Cut grill bars in order for pull ears to protrude thru the grill. Cut a width of three inches (see photos at left).



14. Insert left and right base plate attaching pods through upper grill opening, safety chain anchor hole is located to the outside, attach pods using spacer plate, and 1/2" x 2" hex bolts, lockwashers and hex nuts.



15. Plug mount (item #24) may be installed if desired for wiring installation. Location of mount to be determined by the installer. **NOTE:** Excess material may be trimmed from bracket.



Demco