

Demco

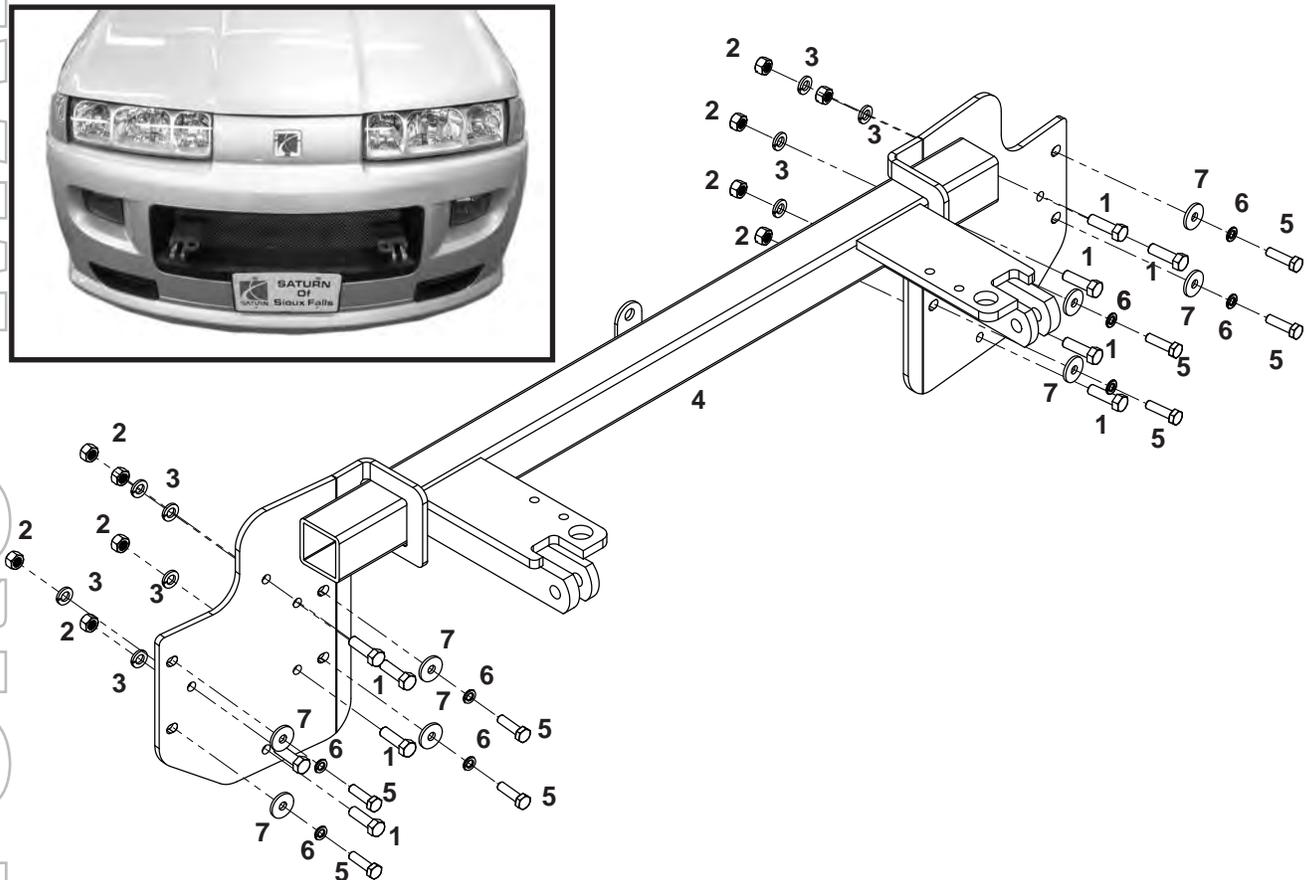
Saturn VUE
Redline

BOLT TORQUE SPECIFICATIONS

STANDARD BOLTS:			METRIC BOLTS:	
Size	Grade	Torque	Size	Torque
5/16"	5	20 ft/lbs.	8mm	22 ft/lbs.
3/8"	5	35 ft/lbs.	10mm	42 ft/lbs.
7/16"	5	56 ft/lbs.	12mm	70 ft/lbs.
1/2"	5	85 ft/lbs.	14mm	95 ft/lbs.

BASE PLATE

Pin Height - 21-1/2" Pin Centers - 23-1/2"



9517194 PARTS LIST

REF. NO.	PART NO.	QTY.	DESCRIPTION
1.	00523	10	3/8"-16UNC x 1-1/4" Hex Bolt
2.	00061	10	3/8"-16UNC Hex Nut
3.	00060	10	3/8" Lock Washer
4.	12168-35	1	Base Plate Crossmember
5.	04179	8	8mm-1.25 x 30mm Hex Bolt
6.	07286	8	8mm Lock Washer
7.	09228	8	8mm Flat Washer
8.	12329	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

MANUAL OPERATORS

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.

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. This guide contains only those vehicles that have been approved by their manufacturers for towing. This list is enclosed with this manual.

⚠ 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.



1. Open hood and remove two plastic push fasteners from center of fascia on top.

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 Automotive 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” be used on all bolts.** If a new bolt is required, be sure it is SAE Grade 5 or Metric 8.8.

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

INSTALLATION INSTRUCTIONS



2. Remove one push fastener from top of marker light on each side, and remove marker light by lifting straight up and out. Unplug and set aside.



3. Remove one bolt on each side (where marker light was removed) from top of fascia.



6. Remove two plastic push fasteners from bottom of bumper to fascia tabs.



4. Remove five plastic push fasteners from front of wheel well, four are located wheel well to fascia and one is wheel well to inside of body, on each side.



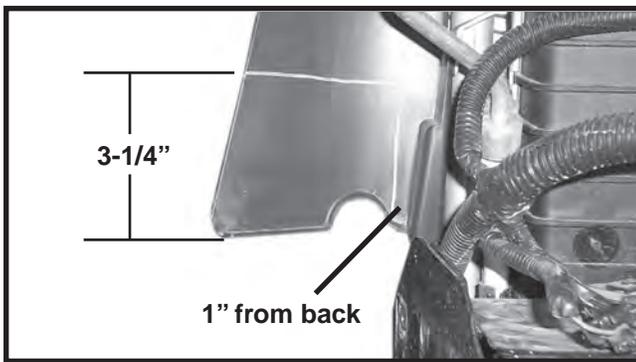
7. Lift corner of fascia by headlights and carefully remove fascia (unplug lights).



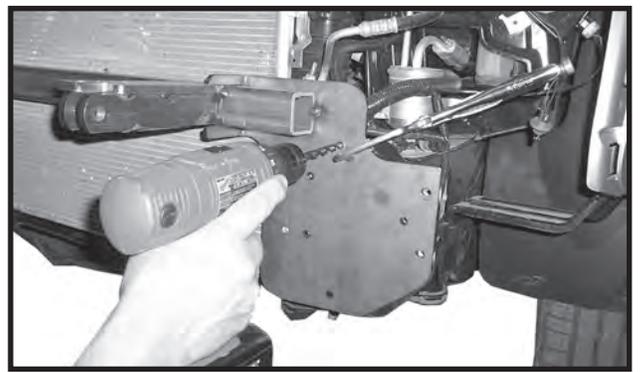
5. Remove one bolt on each side, bottom of fender to fascia (see picture).



8. Remove two plastic push fasteners from styrofoam cover over bumper and remove styrofoam.



9. Notch shroud according to picture for base plate to clear.



12. Put base plate up and install two factory bumper bolts on each side as shown. Center base plate from side to side on slots and tighten these bolts. Then drill five 3/8" holes on each side, using base plate as template, through bumper mounting flange. **NOTE:** Don't drill through slotted holes in base plate, round holes only. Be careful when drilling for radiator and cooling lines.

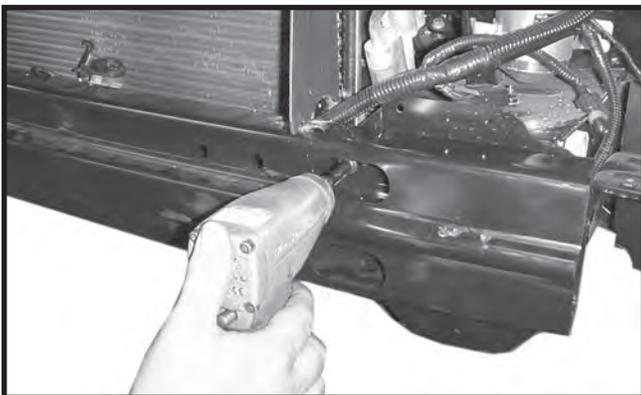


10. Remove wiring and plastic temp sensor bracket from bumper if equipped. Temp sensor will need to be re-located to the sensor bracket on base plate.



13. Install five 3/8" x 1-1/4" bolts, 3/8" lock washers and 3/8" hex nuts, on both sides and tighten. Remove factory bumper bolts previously installed and put bumper back on with all eight 8mm-1.25 x 30mm bolts, 8mm lock washers and 8mm flat washers.

NOTE: We require that " **LOCTITE® Blue**" be used on all bolts.



11. Remove bumper, eight bolts, these will not be reused.



14. Reinstall styfoam cover on bumper, wiring and temp sensor, cut grill area for tow bar ears to pass through, reinstall fascia, and all hardware.