

Demco

Ford Edge



Pin Height: 18-3/4" Centers: 24"

BASEPLATE

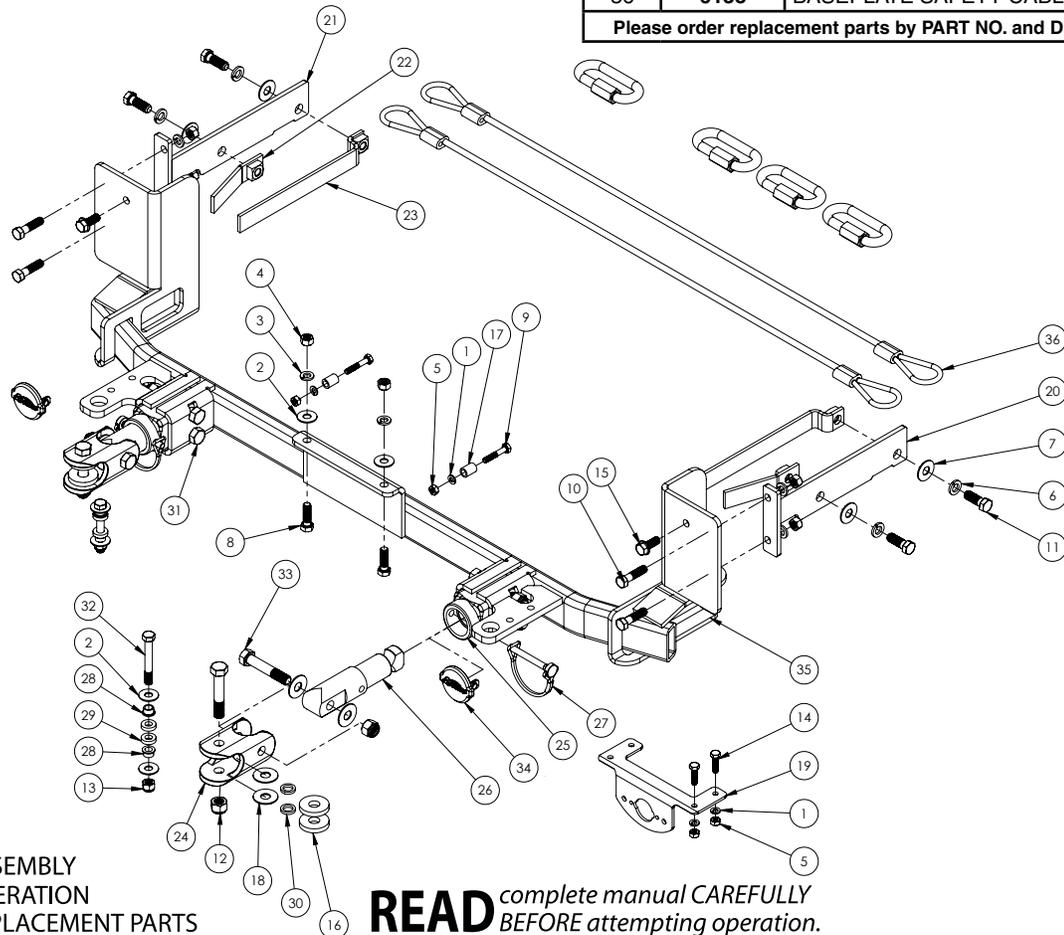
9519210 PARTS LIST

ITEM	PART #	DESCRIPTION	QTY
1	00057	WASHER, .25 SPRING LOCK	4
2	00059	WASHER, FLAT .375	6
3	00060	.375 LOCKWASHER	6
4	00061	.375 HEX NUT	6
5	00062	NUT .25NC HEX	4
6	00078	WASHER, SPRING LOCK, .438	4
7	00205	WASHER, FLAT, .438	4
8	00523	BOLT, .375NC X 1.25 GR. 5	2
9	00684	BOLT, .25NC X 1.50 GR5	2
10	00914	BOLT, .375 NC X 1.50 GR.5	4
11	01898	BOLT .438NC X 1.25 GR5 HEX	4
12	02178	NUT, .50NC LOCK, NY. INSERT	8
13	02592	NUT, .375NC NYLON LOCK	2
14	04055	.25-20NC X 1 GD5 HEX	2
15	07594	BOLT, .375 X 1.00 SELF-TAPPING	2
16	07908	HEAVY WASHER	4
17	10584	BUSHING LADDER	2

Please order replacement parts by PART NO. and DESCRIPTION.

ITEM	PART #	DESCRIPTION	QTY
18	13317	CLEVIS SPACER WASHER	8
19	13612	PLUG MOUNT	1
20	14572	REAR BRACE DRIVER SIDE	1
21	14573	REAR BRACE PASSENGER SIDE	1
22	14574	SHORT NUTSTRIP	2
23	14575	LONG NUTSTRIP	2
24	15040	END JOINT	2
25	15041	PULL BLOCK	2
26	15042-95	PULL STUD	2
27	15291	PN, 5/16" X 2.5 RD WIRE LOCK	2
28	15338	FLANGE BUSHING	4
29	15339	SPACER/WASHER NYLON	4
30	15340	SPACER/WASHER NYLON	4
31	15350	BOLT .50NC X 3.25 GR8 HEX	4
32	15351	BOLT .375 X 2.75 W/ 1.75 SHANK	2
33	15352	BOLT .50NC X 2.75 W/1.75 SHANK	4
34	15675	BASEPLATE PLUG COVER	2
35	15691	BASEPLATE CROSSMEMBER	1
36	6155	BASEPLATE SAFETY CABLE KIT	1

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

OPERATORS MANUAL

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 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.

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

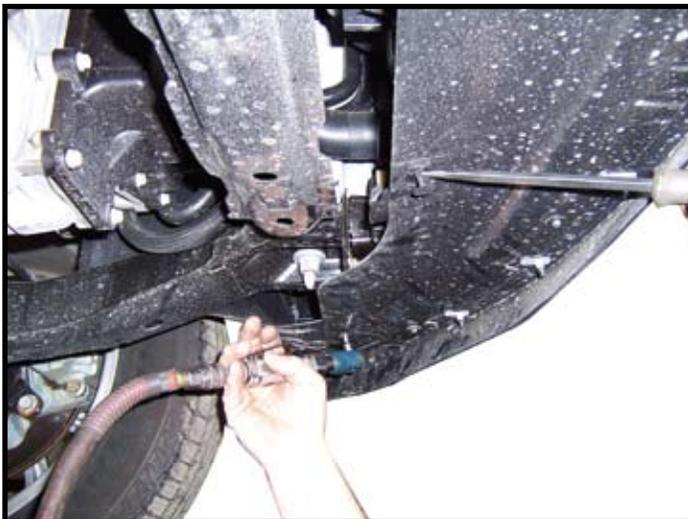
Installation Instructions



1. Open hood and remove four plastic fasteners and two bolts from top of facia.



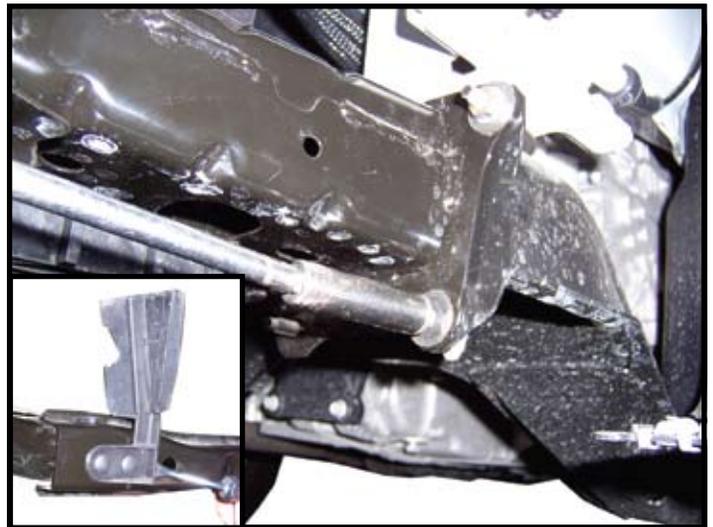
2. Remove three screws from wheel well to fender on each side.



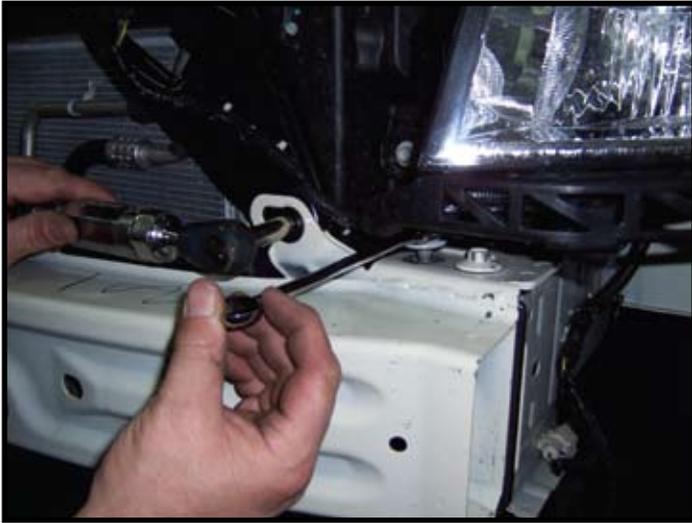
3. Remove three plastic push fasteners and four screws from bottom of facia.



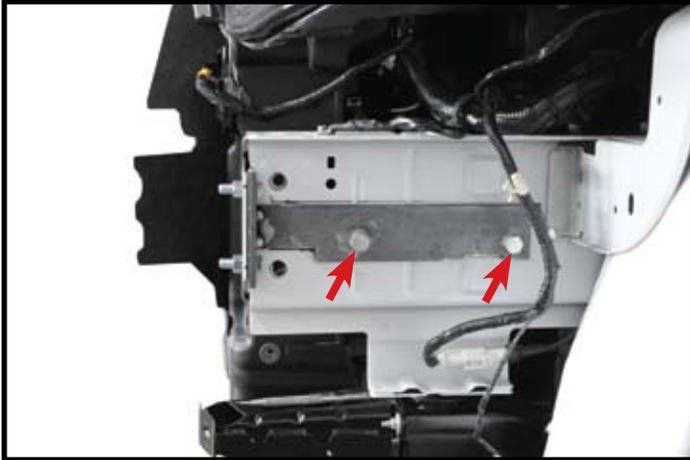
4. Unhook fog lights, if equipped, side marker lights and remove facia by pulling straight out by fender, then pull off.



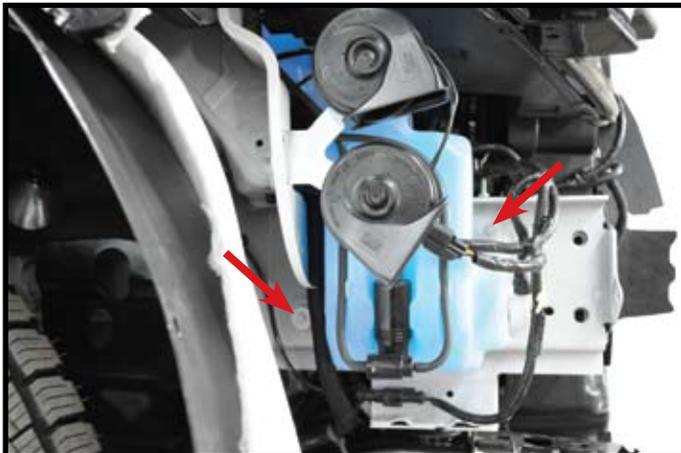
5. **IF EQUIPPED** Remove two nuts that hold cooler line to lower tin support. Remove lower tin support, three nuts and washers on each side. Remove both filler panels from tin support. (These will not be reused)



6. Remove five bolts on each side of bumper and remove bumper. For late model Edge's with ECO remove two nuts from outer edge of shutter system, unplug wires, and release mount on bottom center of shutters. Then remove three bolts and one stud from bumper and remove bumper.



7. Install driver side bracket with 7/16" x 1-1/2" bolt, lock washer, and flat washer with nutstrips using hole in from of frame exposed when bumper was removed. **NOTE:** Use **LOCTITE** Blue on all bolts during installation



8. Remove two screws from washer tank and pull out of way so bracket and bolts can be installed on passenger side. **NOTE:** Four push fasteners from inner wheel well may be removed to make installation easier or remove tank completely.

9. Install bracket and bolts the same as in step 7 on drivers side. Reinstall washer tank using 1/2" spacers between frame and tank tabs to keep washer tank from rubbing bolts of bracket.

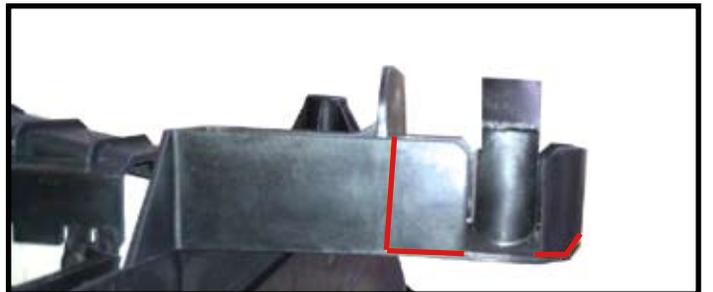
10. If not ECO skip to step 15.



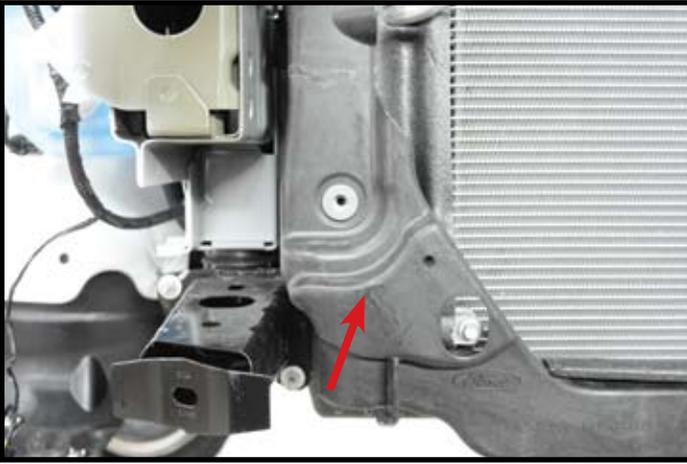
11. Trim shutter system on lines as shown in picture looking from top. **NOTE:** Trim flush with motor as shown in picture on next page.



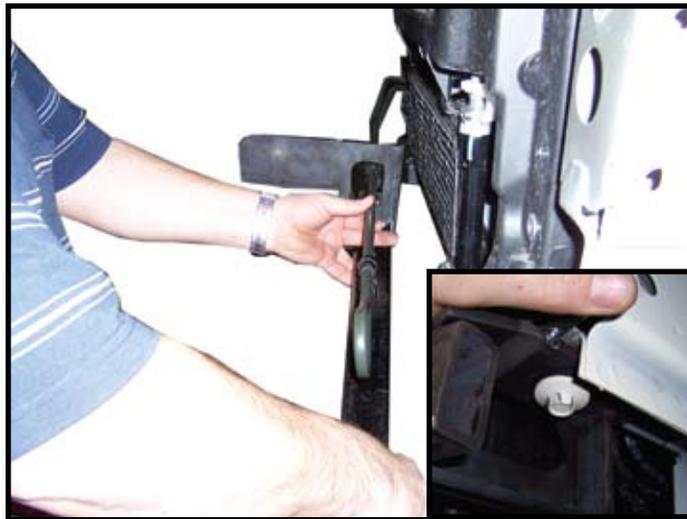
12. Trim as shown in picture on both sides for clearance of baseplate crossmember.



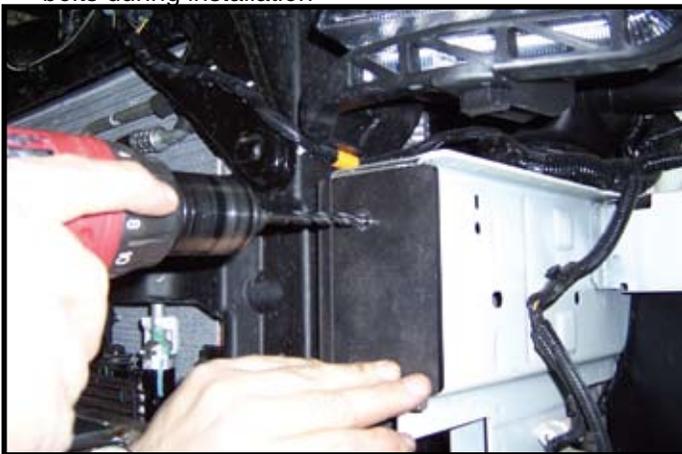
13. Trim bottom mounting tab as shown in pictures.



14. Remove the plastic push fastener from the bottom of passenger side air deflector and drill hole 2" to the left of factory hole and reinstall air deflector fastener. Be careful to not drill into hoses behind plastic.



15. With an assistant, slide cooler line carefully thru side hole of baseplate on passenger side. Lift baseplate up into place and clamp to bumper mount. Install previously removed bottom bumper bolts and tighten. If ECO have shutter system behind baseplate when installing and put bottom mount in. **NOTE:** Use **LOCTITE** Blue on all bolts during installation



16. Using base plate as template, drill a 5/16" hole into end of frame, install 3/8" self-tapping bolt on each side and tighten. Remove Clamps.



17. Before installing bumper, first bend down lower mounting tabs flat or remove completely. Grind bumper as shown, approximately 1/4".



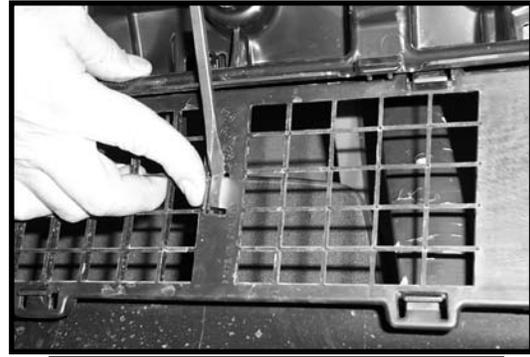
18. Reinstall bumper with the remaining bumper bolts. Note: Top bumper mounting tab must lay flat on frame. If not, bottom tab was not bent flat enough or cut off far enough. If ECO use stud factory stud to fasten shutters and bumper. Plug in shutters.



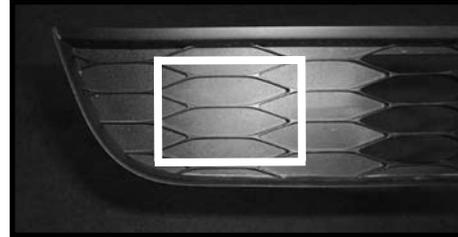
19. Mark out front of bumper for drilling 1" from the top and 2-5/8" centers and 1/2" from outside edge. Drill two 3/8" holes thru bumper, baseplate, and frame on both sides. Fasten with 3/8" x 1-1/2" bolts, 3/8" lock washers, and 3/8" hex nuts. **Note:** Some models are equipped with a hardened steel bumper and can not be drilled easily so grind a 3/8" slot where the holes are and mark and drill holes on the baseplate accordingly. Holes should match up to previously installed brackets.



20. IF EQUIPPED Before reinstalling lower tin support, remove cooler line studs in a vise, then drill out holes to 1/4". Fasten tin support with one washer and nut previously removed on top to one side and leave it loose. Install cooler lines by using plated spacer bushings, 1/4" x 1-1/2" bolts, lockwashers, and nuts. Finish installing lower tin support and tighten. Adjust lines for clearance thru oval hole in baseplate, lines cannot rub on baseplate. Rubber hose may be needed for protection (not included).



**07-10
Models
Remove**



**11-13
Models
Cut**

- 22.** Remove plastic filler panel from backside on facia, this can be saved for vehicle trade-in or cut and trim plastic filler panel. Reinstall facia in reversed order of removal.
- 23.** Plug mount (item #21) may be installed if desired in convenience holes on either chain anchor or as desired. NOTE: Excess material may be trimmed from bracket.



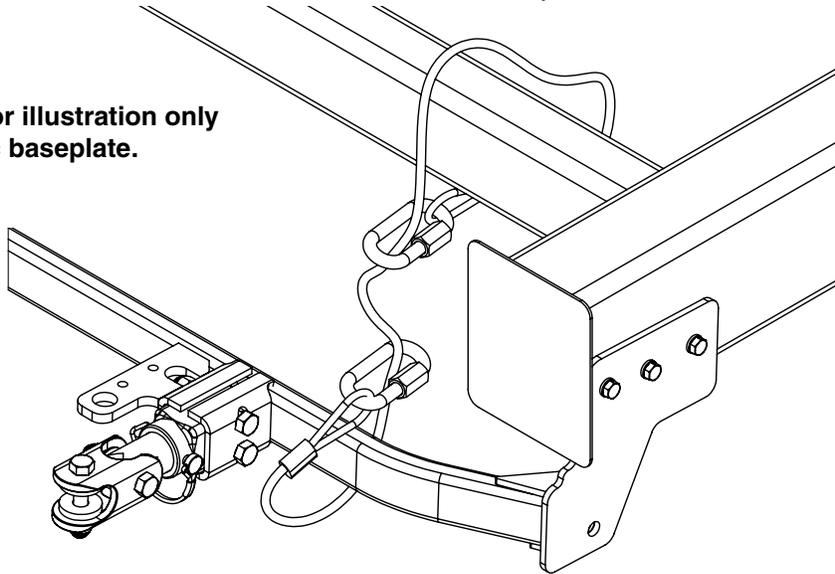
21. Drill 3/8" holes into bottom of bumper using baseplate center support bracket as template. Install 3/8" x 1-1/2" bolts, 3/8" lock washers and 3/8" nuts on inside of bumper and tighten.

INSTRUCTIONS FOR TOWED VEHICLE BASEPLATE SAFETY CABLES & PARTS BREAKDOWN

Example #1

Wrap the safety cable around the baseplate crossmember and attach with one quick-link. Attach the other end of the safety cable to the vehicles frame rail or crossmember of the vehicles frame using another quicklink. **See illustration below.** **NOTE:** when routing cable, make sure cable does not touch or rub against wires, brake hoses, brake lines or axle shafts. Do this on each side of the baseplate.

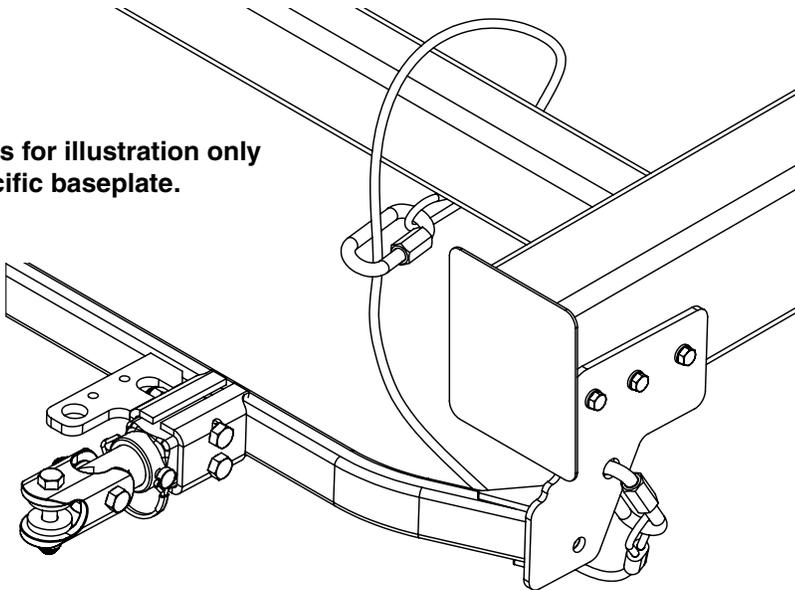
Baseplate pictured is for illustration only and is not your specific baseplate.



Example #2

Some baseplate models have a hole to mount the quicklink and cable. Example: some baseplates may not have a crossmember from one side to the other, thus you have a quicklink mounting hole. **See illustration below:** this shows the use of just one quicklink. Other installs may require 2 quicklinks depending on baseplate model. **NOTE:** when routing cable, make sure cable does not touch or rub against wires, brake hoses, brake lines or axle shafts. Do this on each side of the baseplate.

Baseplate pictured is for illustration only and is not your specific baseplate.



REF. NO.	PART NO.	QTY.	DESCRIPTION
-	6155	-	Safety Cable Kit
1.	-	2	36" Nylon coated safety cables rated @ 14,000 lbs. per pair
2.	-	4	1/2" Quicklinks rated @ 10,000 lbs. each

Installation to Tow Bar

Demco Commander Tow Bar



Hardware Used: two 3/8" bolts, four 3/8" steel washers, four 3/8" poly washers, four 3/8" poly bushing and two 3/8" lock nuts.

1. Remove existing clevis from end of tow bar shaft.
2. Install poly bushing from inside clevis using a pliers to squeeze bushing into hole. You can use a rag or cardboard between pliers to protect bushing and clevis from damage. If bushing is hard to start in hole, hole may be cleaned out with 1/2" drill bit.
3. The 3/8" poly washers go in between the tow bar shaft and poly bushings.
4. The 3/8" steel washers go on the outside of clevis fastened by the 3/8" bolt and nut.
5. Tighten nut snug so you can still rotate clevis on tow bar shaft.

Demco Excalibar II Tow Bar



Hardware Used: two 1/2" bolts, four 1/2" narrow rim poly washers and two 1/2" lock nuts

1. Remove existing clevis from end of tow bar shaft.
2. Install the 1/2" narrow rim poly washers between the tow bar shaft and clevis.
3. Tighten nut snug so you can still rotate clevis on tow bar shaft.

Demco Dominator Tow Bar



Hardware Used: two 1/2" bolts, four 1/2" wide rim poly washers and two 1/2" lock nuts

1. Remove existing clevis from end of tow bar shaft.
2. Install the 1/2" wide rim poly washers between the tow bar shaft and clevis.
3. Tighten nut snug so you can still rotate clevis on tow bar shaft.

Demco Excalibar or Aluminator Tow Bar



Hardware Used: two 1/2" bolts and two 1/2" lock nuts

1. Remove existing clevis from end of tow bar shaft.
2. Install tow bar shaft into clevis.
3. Tighten nut snug so you can still rotate clevis on tow bar shaft.

Roadmaster Tow Bars



Hardware Used: two 1/2" bolts and two 1/2" lock nuts or two 1/2" bolts, four 1/2" - 1/4" thick washers and four 1/2" wide rim poly washers and two 1/2" lock nuts

1. Remove existing clevis from end of tow bar shaft.
2. If you tow bar came with a black bushing or red ends, install end into clevis and fasten using the provided 1/2" bolts and tighten nut snug so you can still rotate clevis on tow bar shaft.
3. If you have a Sterling towbar without the black bushing, install clevis using the 1/4" thick washers and 1/2" wide rim poly washers as shown in bottom picture.

Hooking Up Tow Bar to Baseplate



1. Insert pull tab into baseplate pull socket with the flat spot and locking hole facing up. Push pull tab into socket until it stops.



2. Rotate assembly 90° until lock pin holes line up. (Tab to clevis bolt will be horizontal while tow bar to clevis bolt will be vertical).

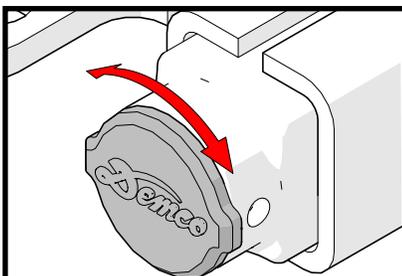


3. Insert locking pin into cross hole. If pin does not install, pull tab may not be installed correctly or try rotating tab 180° and try again. Hook up safety cables and other equipment required for towing your vehicle

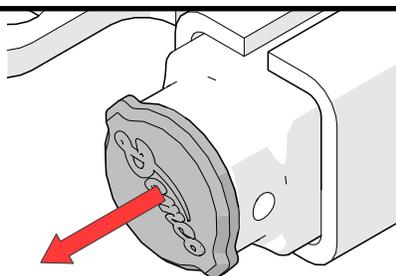
Unhooking Tow Bar from Baseplate

1. Release the pressure from tow bar as stated in your tow bar manual.
2. Reverse the hooking up process.

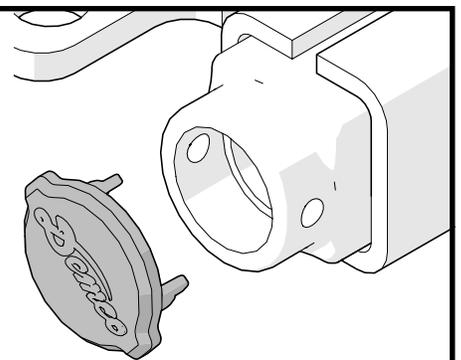
Plug Cover Instructions



1. To remove cover, rotate cover by the tabs about 1/8 of a turn.



2. Pull cover and the cover will pull off.



3. To install cover, push cover into socket and rotate until it snaps into place