



6408

Parts List

Ref #	Part #	Qty	Description	Ref #	Part #	Qty	Description
1	8608	1	Pushplate - Driver's side	10	*90364	6	1/2" Lock Washer
2	8609	1	Pushplate - Passenger's side	11	*90337	6	1/2" (NC) Nut
3	8590	1	Angle	12	*7072	1	Ford Caution Label
4	7074	1	Air Bag Kit (not shown)	13	*8290	1	Panel Mount Plate Set Long - (not shown)
5	8297	1	License Plate Kit (not shown)	14	*8324	8	Cable Ties - Long (not shown)
6	*8098	2	Spacer	15	*90443	2	1/4" x 1-1/2" Sheet Metal Screw Slotted
7	*90636	4	M10 x 1.5 x 40 Gr. 10.9 Cap Screw	16	*90330	4	1/4" (NC) Hex Nut
8	*90429	4	M10 Lock Washer	17	*90610	4	1/2" x 3-1/2" (NC) Gr. 5 Cap Screw
9	*90575	2	1/2" x 1-1/4" (NC) Gr. 5 Cap Screw	18	*90319	4	1/2" Plain Washer ZP

* Part of 8296 Bolt Bag

Important Notices

A snowplow package is not offered by the manufacturer for these models. However, with the added precautions listed below, Fisher Engineering believes that these models will be functional, reliable and safe.

Vehicle Application Precautions

1. Restricted to 6-1/2' HS blade.
2. Front air bags required for snow plowing.
3. Air pressure: Summer 20-25 PSI, winter 35-40 PSI
4. Approved only for non-commercial plowing
5. Weight on front axle must not exceed 63% of loaded vehicle weight. Minimum recommended counterweight: For Ranger - 500 lbs; For Explorer and Navajo - 150 lbs. Securely fasten counterweight well behind rear axle. Do not exceed GVW rating.

Note: To insure proper fit of attachments and alignment of "connecting pin arms", do not fully tighten any fasteners until told to do so.

1. Remove and discard lower air dam and license plate holder. On Mazda Navajo, remove lower tab below parking lights. This will allow proper clearance for hook-up of lower gear. Install air bags per instructions in air bag kit (4).
2. Remove and discard fasteners from both sway bar mounting brackets. **Do not fully tighten any fasteners until Step 7.**
3. **1991 Explorer:** Place rear portion of driver-side pushplate (1) between rubber on sway bar and frame. Place front along inside of frame. Fasten front of pushplate with two 1/2" x 3-1/2" (NC) Gr. 5 cap screws (17) and 1/2" flat washers (18) through two triangular holes on front lower part of frame. Fasten with 1/2" lock washers (10) and nuts (11). Reattach sway bars with two M10 x 1.5 x 40 Gr. 10.9 cap screws (7) and M10 lock washers (8).
1992 - 1994 Explorer, 1991-1994 Navajo and 1992 Ranger: Same as above except place a spacer (6) at rearmost hole in pushplate between pushplate and frame.
4. Remove passenger's side bumper bracket fasteners and repeat Step 3 for passenger's side pushplate (2).
5. Attach angle (3) to holes in rear of pushplates with two 1/2" x 1-1/4"(NC) Gr. 5 cap screws (9), lock washers (10) and nuts (11).
6. Measure the distance between the inside front connecting holes on the pushplates; it should be 25-5/8" inside to outside. To ensure the arms are parallel, a second measurement must be taken farther back on the arms. This measurement must be the same as the first.
7. Fasteners tightening sequence:
 - a. Tighten fasteners attaching angle to pushplates.
 - b. Tighten rearmost fasteners on pushplates to 36 foot pounds.
 - c. Adjust bumper and tighten bumper bracket bolts.
8. Install license plate kit (5) as per license plate kit instructions. (Navajo does not need the license plate kit.) Apply caution label (12) to outside portion of driver's side pushplate.
9. To mount the SEHP motor solenoid, use solenoid as a guide to drill two 5/32" pilot holes for self tapping screws just behind the fuse box. Fasten the SEHP motor solenoid to vehicle with two 1/4" x 1-1/2" sheet metal screws (15) using four 1/4" hex nut (16) to space the solenoid from the fender liner for improved power cable routing.

NC FASTENER TORQUE (FT-LB)			
DIAMETER - THREADS PER INCH	GRADE		
	 G2	 G5	 G8
1/4 - 20	6	9	13
5/16 - 18	11	18	28
3/8 - 16	19	31	46
7/16 - 14	30	50	75
1/2 - 13	45	75	115
9/16 - 12	66	110	165
5/8 - 11	93	150	225
3/4 - 10	150	250	370
7/8 - 9	150	378	591
1 - 8	220	583	893