



6422

Parts List

Ref #	Part #	Qty	Description	Ref #	Part #	Qty	Description
1	8591	1	Pushplate - Driver's side	10	*90364	6	1/2" Lock Washer
2	8592	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	8601	1	License Plate Kit (not shown)	14	*8324	8	Cable Ties - Long (not shown)
6	*8098	2	Spacer	17	*90610	4	1/2" x 3-1/2" (NC) Gr. 5 Cap Screw
7	*90636	4	M10 x 1.5 x 40 Gr. 10.9 Cap Screw	18	*90319	4	1/2" Flat Washer
8	*90429	4	M10 Lock Washer				
9	*90575	2	1/2" x 1-1/4" (NC) Gr. 5 Cap Screw				

* Part of 8296 Bolt Bag

IMPORTANT NOTICES

A snowplow package is not offered by the manufacturer for this model. However, with the added precautions listed below, Fisher Engineering believes that this model 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 for non-commercial plowing only.
5. Weight on front axle must not exceed 63% of loaded vehicle weight. Minimum recommended counterweight for Ranger and Mazda: 500 lbs. Securely fasten counterweight well behind rear axle. Do not exceed GVW rating.
6. Solenoid should be placed on inside of fender in front of battery allowing battery cables to be long enough to locate on vehicle grill.
7. Factory installed fog lamps must either be removed or the installer must fabricate a bracket to move the lamps 2" to the rear and 3/4" away from center.

Installation Instructions

1. Remove and store the lower air dam, fog lamps (if equipped) and license plate holder. Install the air bags per instructions in the air bag kit (4).
For the '95 Mazda vehicles: The air dam will be re-installed.
2. Remove and discard fasteners from both sway bar mounting brackets. **Do Not Tighten Fasteners.**
3. Place the front part of the driver-side pushplate (1) on the outside of the frame behind the bumper. Place the rear of the pushplate up under the frame. Place the sway bar back into place and fasten with two M10 x 1.5 x 40 Gr. 10.9 cap screws (7) and M10 lock washers (8). **Do Not Tighten Fasteners.**
4. Repeat for passenger-side pushplate (2).
5. Attach angle (3) to the holes in the rear of each pushplate with two 1/2" x 1-1/4" (NC) Gr. 5 cap screws (9) lock washers (10) and nuts (NC) (11). Check to see if the inside to outside distance between the connecting pin arms on push plates is 25-5/8". 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.
6. Tighten the angle bar fasteners. Recheck the distance between the pushplates and tighten the sway bar fasteners.
7. Using a 1/2" drill bit, ream the two front holes on each pushplate by drilling through the triangular holes from inside the frame. Place a 1/2" x 3-1/2" cap screw (17) and 1/2" flat washer (18) through each of the triangular holes and through the pushplates. Secure with 1/2" lock washer (10) and nut (11). **Tighten fasteners.**
8. Install license plate kit (5) as per the license plate kit instructions.
9. Apply caution label (12) to outside portion of driver-side pushplate.
10. **For '95 Mazda Vehicles:** Place air dam up against pushplate and line up against bumper. Remove small section of air dam around top portion of pushplates. Reinstall air dam.

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