




PARTS LIST

7107 REV B

REF#	PART#	QTY	DESCRIPTION * PART OF 8104 BOLT BAG
1	8094	1	PUSHPLATE, DRIVER'S SIDE
2	8095	1	PUSHPLATE, PASSENGER SIDE
3	5417	1	PUSHBEAM (29-5/8 OAL)
4	5128	2	HEADGEAR BRACE
5	8097	2	BOLTING BAR
6	3	1	CONNECTING PIN RELEASE
7	6920	2	CONNECTING PIN ASSEMBLY
8	6815	2	LATCH PIN W/ HANDLE
9	821	2	* SPRING
10	4289	2	* 3/4 X 1-7/8 MACHINE PIN
11	90658	2	* 5/32 X 1-1/4 COTTER PIN
12	90575	8	* 1/2 X 1-1/4 (NC) GR.5 CAPSCREW
13	90210	2	* 1/2 X 1-1/2 (NC) GR.5 CAPSCREW
14	90337	14	* 1/2 (NC) NUTS
15	90364	10	* 1/2 LOCKWASHERS
16	90670	4	* 1/2 X 6-1/2 (NC) GR.5 CAPSCREW
17	90636	4	* M10 X 1.5 X 40 GR 10.9 CAPSCREW
18	90601	2	* 1/4 X 1-1/2 COTTER PIN ZP
19	7074	1	AIR BAG KIT
20	8098	2	* SPACER
21	90429	4	* M10 LOCKWASHER
22	90572	20	* 1/2 PLAIN WASHER GR.8
	7068	1	DASH BRACKET BAG

FASTENER TORQUE (FT-LB)			
DIAMETER- THREADS PER INCH	GRADE DESIGNATION		
	 GRADE 2	 GRADE 5	 GRADE 8
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

IMPORTANT NOTICES

NOTE: FORD MOTOR COMPANY DOES NOT OFFER A SNOWPLOW PACKAGE FOR THE EXPLORER MODEL. CONSEQUENTLY, THE OWNER'S MANUAL FOR THIS MODEL STATES THAT THIS VEHICLE IS NOT RECOMMENDED FOR PLOWING SNOW. HOWEVER, WITH THE ADDITIONAL PRECAUTIONS LISTED BELOW, FISHER ENGINEERING BELIEVES THAT THIS MODEL WILL BE FUNCTIONAL, RELIABLE AND SAFE.

VEHICLE APPLICATION PRECAUTIONS

1. RESTRICTED TO 6-1/2 FOOT 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: 150 POUNDS- EXPLORER; 500 POUNDS - RANGER. SECURELY FASTEN COUNTERWEIGHT WELL BEHIND REAR AXLE. DO NOT EXCEED GVW RATING.

A. CUT AIR DAM ON FRONT OF TRUCK AS PER ILLUSTRATION AT END OF TEXT. INSTALL AIR BAGS PER INSTRUCTIONS IN AIR BAG KIT (19).

B. CAUTION: DO NOT REMOVE BOTH SWAY BAR BRACKETS AT THE SAME TIME.

REMOVE SWAY BAR MOUNTING BRACKETS (91 EXPLORER) - REMOVE SHIMS ON FRONT CROSS BAR OF PUSHPLATES EXCEPT FOR 1/8 SHIM ON PASSENGER'S SIDE PUSHPLATE. SLIDE REAR PORTION OF DRIVER'S SIDE PUSHPLATE (1) BETWEEN RUBBER ON SWAY BAR AND FRAME. PLACE SWAY BAR BRACKET ON OVER RUBBER AND ATTACH BRACKET AND PUSHPLATE TO FRAME WITH TWO M10 X 1.5 40 GR 10.9 CAPSCREWS (17) AND LOCKWASHERS (21). (ON 1992 RANGER AND EXPLORER, REAR HOLE HAS TO HAVE 1/4" SPACER (20) BETWEEN FRAME AND PUSHPLATE, BOTH SIDES) **DO NOT FULLY TIGHTEN ANY FASTENERS UNTIL INSTRUCTED TO DO SO IN PARAGRAPH "F".**

POSITION BOLTING BAR (5) PLACING BENT BAR OVER FRONT OF FRAME TO KEEP BAR IN RIGHT LOCATION. (ON 91 EXPLORERS, BENT TAB MAY HAVE TO BE BENT UP AND ROUND SPACER HAS TO BE REMOVED.)

ATTACH BOLTING BAR TO PUSHPLATE WITH TWO 1/2 X 6-1/2 (NC) GR 5 CAPSCREWS (16) INSERTED DOWN THROUGH HOLES IN PAD ON TOP OF PUSHPLATE, AND TWO GR. 8 FLATWASHERS (22) AND NUTS (14). (ON 91 EXPLORER, USE FIVE GR.8 FLATWASHERS (22) ON EACH FASTENER.) REPEAT THIS SAME PROCEDURE FOR PASSENGER'S SIDE PUSHPLATE.

C. ASSEMBLE CONNECTING PINS (7) TO PUSHBEAM (3). FIRST INSERT SPRINGS (9) BETWEEN TWO INNER EARS ON EACH SIDE OF PUSHBEAM. THEN, INSERT CONNECTING PIN (8) THROUGH ALL THREE EARS WITH HANDLE OF PIN TOWARDS THE CENTER OF THE BEAM. LEAVING THE HOLE IN THE PIN BETWEEN THE INNER TWO EARS, PULL BACK ON SPRING AND INSTALL COTTER PIN (11).

D. INSTALL THE PUSHBEAM (3) BETWEEN THE PUSHPLATES. SECURE WITH TWO $1/2 \times 1-1/4$ (NC) GRADE 5 CAPSCREWS (12), TWO $1/2 \times 1-1/2$ (NC) GRADE 5 CAPSCREWS (13), FOUR $1/2$ " LOCK WASHERS (15) AND NUTS (14). DO NOT TIGHTEN.

E. INSTALL THE HEADGEAR (SEE COMMON INSTRUCTIONS) AND HEADGEAR BRACES (4) TO THE PUSHPLATES USING SIX $1/2 \times 1-1/4$ (NC) GRADE 5 CAPSCREWS (12), LOCK WASHERS (15) AND NUTS (14).

F. AFTER ALL PARTS AND FASTENERS ARE IN PLACE, TIGHTEN ALL FASTENERS IN THE ORDER IN WHICH THEY WERE INSTALLED. (TORQUE M10 FASTENERS TO 36 FOOT POUNDS).

AIR DAM CUTTING ILLUSTRATION

