




6244

REF# PART# QTY DESCRIPTION AL292
 * PART OF 6778 BOLT BAG REV B

1	6102	1	PUSHPLATE, DRIVERS SIDE
2	6103	1	PUSHPLATE, PASSENGERS SIDE
3	A5654	1	PUSHBEAM (31 OAL)
4	5948	1	PUSHRAIL, PASSENGERS SIDE
5	5656	1	PUSHRAIL, DRIVERS SIDE
6	6049	2	* SQUARE WASHER
7	6110	2	HEADGEAR BRACE
8			
9	5005	2	* 5/8-11 X 1-1/2 (NC) CAPSCREW, DRILLED
10	90446	2	* 5/8-11 (NC) SLOTTED NUT
11	90012	2	* 3/16 X 1-3/4 COTTER PIN
12			
13	90343	10	* 5/8 (NC) NUTS
14	90366	10	* 5/8 LOCKWASHERS
15	90247	2	* 5/8 X 2 (NC) GR. 5 CAPSCREW
16	90217	2	* 1/2 X 2 (NC) GR. 5 CAPSCREW
17	90337	22	* 1/2 (NC) NUT
18	90364	22	* 1/2 LOCKWASHER
19	90319	6	* 1/2 FLATWASHER
20	90210	12	* 1/2 X 1-1/2 (NC) GR.5 CAPSCREW
21	90575	8	* 1/2 X 1-1/4 (NC) GR.5 CAPSCREW
	3	1	CONNECTING PIN RELEASE
	4289	2	* 3/4 X 1-7/8 MACHINE PIN
	90658	2	* 5/32 X 1-1/4 COTTER PIN
22	90457	2	* 3/4 X 1-1/2 (NC) GR.5 CAPSCREW
23	90367	2	* 3/4 LOCKWASHER
24	90345	2	* 3/4 (NC) NUT
25	90325	4	* 3/4 FLATWASHER
26	6097	1	PASSENGER'S SIDE FRAME PLATE
27	6098	1	DRIVER'S SIDE FRAME PLATE
28	6920	2	CONNECTING PIN ASSEMBLY
29	6815	2	CONNECTING PIN W/HANDLE
30	821	2	* SPRING
31	90601	2	* 1/4 X 1-1/2 COTTER PIN
32	6100	1	FRONT HANGER, DRIVER SIDE
33	6099	1	FRONT HANGER, PASSENGER SIDE
34	90244	6	* 5/8 X 1-1/2 (NC) GR. 5 CAPSCREW
	A6057	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:

1. FISHER ENGINEERING MAKES THE FOLLOWING RESTRICTIONS FOR THIS KIT IN ACCORDANCE WITH FORD MOTOR COMPANY'S MINIMUM RECOMMENDED VEHICLE EQUIPMENT FOR A SNOWPLOW INSTALLATION.

PECULIAR ATTACHMENT GROUP AL292 IS DESIGNED ONLY FOR USE ON THE FOLLOWING VEHICLES:

- A. FORD F350 2WD CAB CHASSIS WITH GAS ENGINES ONLY AND HEAVY DUTY FRONT SUSPENSION - 5000 LB. FRONT GAWR

2. VEHICLE LOADING REQUIREMENTS.

- A. THE TOTAL VEHICLE CURB WEIGHT MUST NOT EXCEED THE GROSS VEHICLE WEIGHT (GVW) OR CAUSE EITHER THE FRONT OR REAR GROSS AXLE WEIGHT RATING (GAWR) TO BE EXCEEDED. THE GVW AND GAWRS ARE SPECIFIED ON THE SAFETY COMPLIANCE CERTIFICATION LABEL AFFIXED TO THE VEHICLE. THE VEHICLE CURB WEIGHT INCLUDES ALL AFTER-MARKET ACCESSORIES, THE SNOW PLOW SYSTEM INCLUDING THE BLADE, THE VEHICLE OCCUPANTS AND THE CARGO.

- B. 1. NO MORE THAN 63 PERCENT OF THE TOTAL VEHICLE CURB WEIGHT SHOULD BE SUPPORTED BY THE FRONT AXLE.

2. IF NECESSARY, WEIGHT SHOULD BE SECURELY ATTACHED TOWARD THE REAR OF THE VEHICLE TO OBTAIN THIS BALANCE FOR PURPOSES OF COMPLYING WITH FEDERAL MOTOR VEHICLE HYDRAULIC BRAKING STANDARDS.

- A. REMOVE AND DISCARD BOLTS AND NUTS FROM THE TRANSMISSION CROSS MEMBER CAPSCREWS ON EACH SIDE OF VEHICLE. REPLACE VEHICLE BOLTS WITH TWO 1/2 X 2 GR.5 CAPSCREWS (16). IF NECESSARY, REMOVE CLIPS HOLDING GAS LINE, BRAKE LINE, AND WIRING BUNDLES TO THE INSIDE AND OUTSIDE OF THE FRAME CHANNEL FLANGE AT THE LOCATIONS WHERE THE FRAME PLATES (26,27) WILL BE INSTALLED. LIFT FRAME PLATES ONTO THE EXPOSED CAPSCREWS PREVIOUSLY INSTALLED. FASTEN WITH TWO 1/2 FLATWASHERS (19), LOCKWASHERS (18) AND NUTS (17). INSERT 3/4 X 1-1/2 CAPSCREWS (22) WITH FLATWASHERS (25) OUT TOP HOLE OF FRAME PLATES AND THROUGH FRAME AND SECURE WITH FLATWASHERS (25), LOCKWASHERS (23) AND NUTS (24). REINSTALL GAS LINE, BRAKE LINE AND WIRING BUNDLE CLIPS AS REQUIRED.

- B. AT FRONT OF VEHICLE REMOVE THE LOWER BUMPER BOLTS AND IF SO EQUIPPED, REMOVE THE SWAY BAR, U-SHAPED BRACKETS, RUBBER SHOCK MOUNT AND FRAME MOUNTING PLATE. SAVE ALL FASTENERS, U-SHAPED BRACKET AND RUBBER SHOCK MOUNTS BUT, DISCARD FRAME MOUNTING PLATES. REMOVE BOLTS HOLDING EVAPORATOR CANISTER ONTO INSIDE OF FRAME. REMOVE NUT FROM LOWER BUMPER BRACKET BOLT LOCATED ON THE INSIDE OF THE FRAME RAIL ON BOTH SIDES OF THE VEHICLE. LOOSEN REMAINING BUMPER BRACKET BOLTS AND SLIDE BUMPER AS FAR BACK TOWARDS THE REAR OF THE VEHICLE AS POSSIBLE. RETIGHTEN.

- C.** INSERT THE ENDS OF THE SWAY BAR THROUGH THE DRIVER'S AND PASSENGER'S SIDE PUSHPLATES (1 & 2). PLACE THIS ASSEMBLY BENEATH THE FRAME AT THE FRONT OF THE VEHICLE. INSERT TWO 1/2 X 1-1/4 CAPSCREWS (21) DOWN THROUGH THE FRAME ON EACH SIDE OF VEHICLE.
- D.** LIFT THE DRIVER'S SIDE PUSHPLATE (WITH OR WITHOUT THE SWAY BAR) ONTO THE BOLTS JUST INSTALLED AND SECURE WITH 1/2 FLATWASHERS (19), LOCKWASHERS (18) AND NUTS (17). REPEAT FOR THE PASSENGER'S PUSHPLATE, LEAVE FASTENERS FINGER TIGHT AT THIS TIME. REPEAT FOR PASSENGER'S SIDE PUSHPLATE.
- E.** ATTACH RIGHT AND LEFT SWAY BAR BRACKETS AND RUBBER MOUNTS TO THE PADS WELDED ONTO THE PUSHPLATES USING PREVIOUSLY REMOVED CAPSCREWS AND NUTS. ATTACH THE ENDS OF THE SWAY BARS AS THEY WERE ORIGINALLY INSTALLED. TIGHTEN CAPSCREWS AND NUTS.
- F.** ASSEMBLE CONNECTING PIN (28) TO PUSHBEAM (3). FIRST INSERT SPRINGS (30) BETWEEN TWO INNER EARS ON EACH SIDE OF PUSHBEAM. THEN INSERT CONNECTING PIN (29) 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 (31).
- G.** PLACE PUSHBEAM (3) BETWEEN PUSHPLATES AND ATTACH USING TWO 5/8 X 1-1/2 DRILLED CAPSCREWS (9), 5/8 SLOTTED NUTS (10) AND 3/16 X 1-3/4 COTTER PINS (11). DO NOT TIGHTEN.
- H.** INSTALL DRIVER'S SIDE FRONT HANGER (32) ONTO BUMPER BRACKET BOLT WHERE NUT WAS PREVIOUSLY REMOVED. FASTEN WITH ORIGINAL NUT. INSTALL A 5/8 X 2 (NC) GR. 5 CAPSCREW (15) OUT THROUGH THE TOP HOLE IN HANGER AND FRAME. FASTEN WITH SQUARE WASHER (6), LOCKWASHER (14) AND NUT (13). (BE SURE THAT THE HANGER IS FLUSH WITH THE FRONT SIDE OF THE REAR TAB ON THE PUSHPLATE). SECURE HANGER TO THE TAB ON THE PUSHPLATE USING ONE 5/8 X 1-1/2 (NC) GR. 5 CAPSCREW (34), LOCKWASHER (13) AND NUT (14). DO NOT FULLY TIGHTEN. REPEAT FOR PASSENGER SIDE (33).
- I.** INSTALL DRIVER'S AND PASSENGER'S PUSHRAILS (4 & 5) TO PUSHBEAM AND FRAME PLATES USING FIVE 1/2 X 1-1/2 CAPSCREWS (20), LOCKWASHERS (18) AND NUTS (17) ON EACH PUSHRAIL.
- J.** ATTACH HEADGEAR (NOT SHOWN) TO FRONT PUSHPLATE PADS USING TWO 1/2 X 1-1/2 CAPSCREWS (20), LOCKWASHERS (18) AND NUTS (17).
- K.** INSTALL HEADGEAR BRACES (7) BETWEEN THE HEADGEAR AND THE PUSH-PLATES USING TWO 5/8 X 1-1/2 CAPSCREWS (12), LOCKWASHERS (14) AND NUTS (13) PER BRACE.
- NOTE:** BENT END OF BRACE IS ON TOP.
- L.** BEGINNING AT THE FRONT OF THE VEHICLE, FIRST TIGHTEN THE BEAM BOLTS AND THEN ALL OTHER FASTENERS.
- M.** USING THE TWO HOLES IN THE PUSHPLATE AS A GUIDE, DRILL OR REAM TWO 17/32" DIAMETER HOLES THROUGH THE OUTSIDE OF THE FRAME ON BOTH SIDES OF THE VEHICLE. INSTALL 1/2 X 1-1/4 CAPSCREWS (21), LOCKWASHERS (18) AND NUTS (17) IN THESE FOUR LOCATIONS AND TIGHTEN.