




6219

REF# PART# QTY DESCRIPTION * PART OF 6714 BOLT BAG

| | | | |
|----|-------|----|-------------------------------------|
| 1 | 6043 | 1 | PUSHPLATE, DRIVER'S SIDE |
| 2 | 6042 | 1 | PUSHPLATE, PASSENGER'S SIDE |
| 3 | A5605 | 1 | PUSHBEAM |
| 4 | 6044 | 1 | PUSHBAR, DRIVER'S SIDE |
| 5 | 6045 | 1 | PUSHBAR, PASSENGER'S SIDE |
| 6 | 3954 | 2 | HEADGEAR BRACE |
| 7 | 6049 | 2 | * SQUARE WASHER |
| 8 | 5350 | 2 | * 5/8-11 X 2 (NC) CAPSCREW, DRILLED |
| 9 | 90446 | 2 | * 5/8-11 (NC) SLOTTED NUT |
| 10 | 90012 | 2 | * 3/16 X 1-3/4 COTTER PIN |
| 11 | 90106 | 2 | * 3/8 X 1-1/4 (NC) GR.5 CAPSCREW |
| 12 | 90111 | 2 | * 3/8 X 1-1/2 (NC) GR.5 CAPSCREW |
| 13 | 90361 | 4 | * 3/8 LOCKWASHER |
| 14 | 90334 | 4 | * 3/8 (NC) NUT |
| 15 | 90315 | 4 | * 3/8 FLATWASHER |
| 16 | 90575 | 4 | * 1/2 X 1-1/4 (NC) GR.5 CAPSCREW |
| 17 | 90210 | 4 | * 1/2 X 1-1/2 (NC) GR.5 CAPSCREW |
| 18 | 90217 | 2 | * 1/2 X 2 (NC) GR.5 CAPSCREW |
| 19 | 90364 | 6 | * 1/2 LOCKWASHER |
| 20 | 90337 | 10 | * 1/2 NUT (NC) |
| 21 | 90244 | 8 | * 5/8 X 1-1/2 (NC) GR.5 CAPSCREW |
| 23 | 90366 | 10 | * 5/8 LOCKWASHER |
| 24 | 90343 | 10 | * 5/8 (NC) NUTS |
| 25 | 90367 | 2 | * 3/4 LOCKWASHER |
| 26 | 90345 | 2 | * 3/4 (NC) NUTS |
| 27 | 90325 | 2 | * 3/4 FLATWASHER |
| 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 | 90247 | 2 | * 5/8 X 2 (NC) GR.5 CAPSCREW |
| 33 | 6047 | 1 | HANGER, PASSENGER'S SIDE |
| 34 | 6046 | 1 | HANGER, DRIVER'S SIDE |
| 35 | 90572 | 8 | * 1/2 GR.8 FLATWASHER |
| | 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 |
| | 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 AL286 IS DESIGNED ONLY FOR USE ON THE FOLLOWING VEHICLES:

- A. F250 PICKUPS WITH GAS ENGINES ONLY AND HEAVY DUTY FRONT SUSPENSION - 4600 LB. FRONT GAWR MIN.

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 GAWR 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.

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- A. REMOVE AND DISCARD AIR DAM. IF VEHICLE IS EQUIPPED WITH EVAPORATOR CAN MOUNTED ON INNER PASSENGER SIDE FRAME RAIL, REMOVE AND SAVE FASTENERS. (REINSTALL AFTER PUSHPLATES ARE INSTALLED).
 - B. PLACE FLOOR JACK UNDER TRANSMISSION CROSS MEMBER AND LIFT VEHICLE TO ALLOW REAR ANGLE OF DRIVER'S SIDE PUSHPLATE (1) TO GO BETWEEN FRAME AND SPRING. INSTALL ONE 3/8 X 1-1/4 CAPSCREW (11) DOWN THROUGH THE BOTTOM FLANGE OF THE VEHICLE FRAME AND THE FORWARD HOLE IN THE REAR ANGLE OF EACH PUSHPLATE. SECURE WITH A 3/8 FLATWASHER (15), LOCKWASHER (13) AND NUT (14). INSTALL ONE 3/8 X 1-1/2 CAPSCREW (12) DOWN THROUGH THE FRAME AND THE REAR HOLE IN THE ANGLE OF THE PUSHPLATE (AFT OF CAPSCREW JUST INSTALLED). SECURE WITH 3/8 FLATWASHER (15), LOCKWASHER (13), AND NUT (14). DO NOT FULLY TIGHTEN. REPEAT FOR PASSENGER'S SIDE PUSHPLATE (2).
 - C. REMOVE DRIVER SIDE BUMPER BRACKET FASTENER-STRAP ASSEMBLY AND REPLACE TOP BOLT WITH A 1/2-13 X 1-1/2 GR. 5 CAPSCREW (17), 1/2 GR.8 FLATWASHER (35), AND SECURE WITH A 1/2 GR.8 FLATWASHER (35), AND 1/2 NUT (20). PLACE A 1/2-13 X 2 (NC) GR.5 CAPSCREW (18) WITH 1/2 GR.8 FLATWASHER (35) IN THRU FRAME AND LOWER HOLE

IN DRIVER SIDE HANGER (33). SECURE HANGER WITH 1/2 GR.8 FLATWASHER (35) AND 1/2 (NC) NUT (20). ALIGN REMAINING HOLE IN HANGER WITH FRAME HOLE AND FASTEN WITH A 5/8 X 2 (NC) GR. 5 CAPSCREW (32), SQUARE WASHER (7), 5/8 LOCKWASHER (23) AND NUT (24). (BE SURE THE HANGER IS FLUSH WITH THE FRONT SIDE OF THE REAR TAB ON THE PUSHPLATE). ALIGN BUMPER AND TIGHTEN UPPER BUMPER CAPSCREW. SECURE HANGER TO HANGER TAB ON PUSHPLATE WITH ONE 5/8 X 1-1/2 (NC) GR. CAPSCREW (21), LOCKWASHER (23) AND NUT (24). DO NOT FULLY TIGHTEN. REPEAT FOR PASSENGER'S SIDE HANGER (34).

- D. ON THE DRIVERS SIDE OF FRAME, LOCATE A 3/4" SLOTTED HOLE JUST TO THE REAR OF THE SHOCK ABSORBER MOUNTING BRACKET. NOTE: REARMOST FASTENER ON RUBBER SHOCK MOUNT MAY INTERFERE WITH PUSHBAR INSTALLATION. LOOSEN FASTENER IF NECESSARY TO INSTALL PUSHBARS - THEN RETIGHTEN. INSERT THE WELDED IN BOLT ON THE DRIVER'S SIDE PUSHBAR (4) INTO THIS HOLE AND OUT THROUGH FRAME. SECURE WITH A 3/4 FLATWASHER (27) LOCKWASHER (25) AND A NUT (26). DO NOT TIGHTEN. ATTACH OTHER END OF PUSH BAR TO THE OUTSIDE OF PUSHPLATE WITH A 5/8 X 1-1/2 CAPSCREW (22) THROUGH THE REARMOST HOLE IN THE SIDE OF THE PUSHPLATE. SECURE WITH A 5/8 LOCKWASHER (23) AND A NUT (24). REPEAT FOR PASSENGER'S SIDE PUSHBAR (5).
- E. ASSEMBLE CONNECTING PINS (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 PINS (31).
- F. INSTALL PUSHBEAM BETWEEN PUSHPLATES AND FASTEN WITH A 5/8 X 2 DRILLED CAPSCREW (8), SLOTTED NUT (9) AND A 3/16 COTTER PIN (10) ON EACH END.
- G. PLACE THE HEADGEAR (NOT SHOWN) ON THE FRONT PUSHPLATE PADS AND SECURE USING TWO 1/2 X 1-1/2 CAPSCREWS (17), LOCKWASHERS (19) AND NUTS (20) WITH BOLTS FACING UPWARDS.
- H. INSTALL HEADGEAR BRACES (6) TO EACH SIDE OF HEADGEAR (BENT END ON TOP) AND TO PUSHPLATE TABS USING 5/8 X 1-1/2 CAPSCREWS (22) LOCKWASHERS (23) AND NUTS (24). TIGHTEN ALL FASTENERS THUS FAR INSTALLED. BE SURE THAT ALL VEHICLE BRAKE, WIRING AND GAS LINES ARE SECURED WELL AWAY FROM ADDED PLOW COMPONENTS.
- I. ON EACH SIDE OF VEHICLE, USING THE OUTSIDE FLANGE OF THE PUSHPLATE AS A DRILLING GUIDE DRILL TWO 17/32" DIAMETER HOLES THROUGH THE VEHICLE FRAME. SECURE PUSHPLATE FLANGE TO FRAME WITH TWO 1/2 X 1-1/4 CAPSCREWS (16), LOCKWASHERS (19) AND NUTS (20) ON EACH SIDE. TIGHTEN.
- J. RECHECK TO SEE THAT ALL FASTENERS ARE TIGHT.