




6349

PARTS LIST

AL297 B

REF#	PART#	QTY	DESCRIPTION	* PART OF 7332 BOLT BAG
1	7075	1	PUSHPLATE - DR SIDE	
2	7076	1	PUSHPLATE - PASS SIDE	
3	1513	1	PUSHBEAM - 26 7/8"	
4	6547	1	PUSHRAIL - DR SIDE	
5	6546	1	PUSHRAIL - PASS SIDE	
6	6534	2	BACKING PLATE	
7	6530	2	PUSHRAIL BRACKET	
8	6736	2	HEADGEAR BRACE	
9	7317	2	* CLEVIS PIN	
10	7319	2	* HAIRPIN COTTER	
11	90012	2	* 3/16 X 1 3/4 COTTER PIN	
12				
13				
14	90390	6	* M10 X 1.25X 30 HX CS G10.9 ZP	
15	90636	6	* M10 X 1.50 X 40 HX CS G10.9 ZP	
16	90429	12	* M10 SP LK WASHER ZP	
17	90464	6	* M10 X 1.50 HX NUT G 10.9 ZP	
18	90403	2	* M12 X 1.25 X 30 HX CS G8.8 ZP	
19	90404	2	* M12 X 1.25 X 40 HX CS G8.8 PLAIN	
20	90430	2	* M12SP LK WASHER ZP	
21	90600	2	* 7/16 14 X 2 HX CS G8 ZP	
22	90363	2	* 7/16 SP LK WASHER PLAIN	
23	90335	2	* 7/16 X 14 HX NUT PLAIN	
24	90000	2	* 1/2 13 X 1/2 CARRIAGE BOLT GR5 ZP	
25	90217	6	* 1/2 13 X 2 HX CS G5 ZP	
26	90319	2	* 1/2 PLAIN WASHER ZP	
27	90364	8	* 1/2 SP LK WASHER ZP	
28	90337	8	* 1/2 13 HX NUT ZP	
29	5005	2	* 5/8 X 1 1/2 (NC) DRILLED CAPSCREW	
30	90244	2	* 5/8/11 X 1 1/2 HX CS G5 ZP	
31	90446	2	* 5/8 11 CASTELLED NUT	
32	90336	2	* 5/8 LK WASHER ZP	
33	90343	2	* 5/8 11 HX NUT ZP	
34	90424	2	* M10 X 1.25 HX NUT G8.8 ZP	
35	6920	2	* CONNECTING PIN ASSEMBLY	
36	6815	2	CONNECTING PIN	
37	821	2	* SPRING	
38	90601	2	* 1/4 X 1 1/2 COTTER PIN ZP	
39	3	1	CONNECTING PIN RELEASE	
40	4289	2	3/8 X 1 7/8 MACHINE PIN ZP	
41	90658	2	* 5/32 X 1 1/4 COTTER PIN ZP	
	7077	1	DASH BRACKET	
42	90613	2	* 1/4 20 X 1 1/2 HX CS G5 ZP	
43	90330	2	* 1/4 20 HX NUT ZP	
44	90364	2	* 1/4 LK WASHER ZP	
45	7407	1	WIRE-#4 AWG X 6'-6"	

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

- A.** REMOVE TWO BOLTS FROM BOTTOM OF BUMPER AND TWO FORWARD BOLTS FROM BOTTOM OF FRAME AND DISCARD. INSTALL DRIVER'S SIDE PUSHPLATE (1) AND FASTEN WITH TWO M10 X 1.25 X 30 GR.10.9 CAPSCREWS (14) AND TWO M10 LOCKWASHERS (16) TO BUMPER AND TWO M10 X 1.50 X 40 GR.8.8 CAPSCREWS (15) THROUGH PUSHPLATE AND FRAME. FASTEN WITH AN M10 LOCKWASHER (16) AND M10 X 1.50 NUT (17). DO NOT TIGHTEN.
- B.** INSTALL PASSENGER'S SIDE PLATE (2) IN THE SAME MANNER.
- C.** INSTALL CONNECTING PIN ASSEMBLY (35) TO PUSHBEAM (3). FIRST INSERT SPRINGS (37) BETWEEN TWO INNER EARS ON EACH SIDE OF PUSHBEAM. THEN INSERT CONNECTING PIN (36) 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 (38).
- D.** INSTALL PUSHBEAM (3) BETWEEN PUSHPLATES AND FASTEN WITH TWO 5/8 X 1-1/2" DRILLED CAPSCREWS (29) AND SLOTTED NUTS (31). DO NOT INSTALL COTTER PINS AT THIS TIME.
- E.** REMOVE FORWARD INNER BOLT FROM ENGINE MOUNT PLATE AND BOLT FROM BRACKET ON REAR CAB FRAME AND DISCARD. SLIDE DRIVER'S SIDE PUSHRAIL (4) ABOVE FRONT AXLE AND SWAY BAR. INSTALL PUSHRAIL BRACKET (7) TO ENGINE MOUNT PLATE WITH ONE M12 X 1.25 X 30 GR.8.8 CAPSCREW (18) AND TIGHTEN. PLACE PUSHRAIL ON OUTSIDE OF BRACKET AND FASTEN RAIL TO HANGER WITH ONE 1/2 X 1-1/2 (NC) GR.5 CARRIAGE BOLT (24) IN THROUGH RAIL AND HANGER TO CLEAR AXLE BUMP STOP. FASTEN WITH ONE FLATWASHER (26), LOCKWASHER (27) AND NUT (28). ATTACH REAR END OF PUSHRAIL TO CAB FRAME BRACKET WITH AN M12 X 1.25 X 40 CAPSCREW (19) AND M12 LOCKWASHER (20) AND THROUGH BOTTOM OF FRAME WITH A 7/16 X 2 GR.8 CAPSCREW (21), LOCKWASHER (22) AND NUT (23). FASTEN FORWARD END OF PUSHRAIL TO PUSHPLATE WITH (3) 1/2 X 2 (NC) GR.5 CAPSCREWS (25), ONE BACKING PLATE (6) BEHIND PUSHPLATE, LOCKWASHERS (27) AND NUTS (28).
- F.** INSTALL PASSENGERS SIDE PUSHRAIL (5) IN THE SAME MANNER.
- NOTE:** A SMALL BRACKET THAT SUPPORTS THE EMERGENCY BRAKE CABLE MAY NEED TO BE REMOVED TO CLEAR PUSHRAIL. REATTACH TO THE FRAME WITH 1/4 X 1-1/2 (NC) GR.5 CAPSCREWS(42), LOCKWASHERS(44), AND NUTS(43).
- G.** ATTACH THE TILT HEADGEAR BETWEEN PUSHPLATES WITH HEADGEAR ATTACHING PINS AND KLIK PINS FROM COMMON ATTACHMENT KIT. ATTACH BENT END OF HEADGEAR BRACES (8) TO HEADGEAR WITH 5/8 X 1-1/2 GR.5 (NC) CAPSCREWS (30), LOCKWASHERS (32) AND NUTS (33). ATTACH OTHER END OF HEADGEAR BRACES TO PUSHPLATES WITH 3/4" CLEVIS PINS (REMOVEABLE) (9). SECURE CLEVIS PINS WITH HAIR COTTER PINS (10).
- H.** BEGINNING AT THE FRONT OF THE VEHICLE, TIGHTEN THE BEAM BOLTS AND THEN ALL OTHER FASTENERS. SECURE BEAM BOLTS WITH 3/16 X 1-3/4 COTTER PINS (11).
- I.** USING THE HOLES IN THE PUSHPLATES UNDER THE BUMPER AS GUIDES, DRILL TWO 15/32 HOLES UP THROUGH BUMPER. INSTALL M10 X 1.25 X 30 CAPSCREWS (14) AND FASTEN WITH LOCKWASHERS (16) AND NUTS (33). USING THE HOLES IN THE PUSHPLATES UNDER THE FRAME AS A GUIDES, DRILL TWO 15/32 HOLES UP THROUGH FRAME. INSTALL M10 X 1.50 X 40 CAPSCREWS (15) AND FASTEN WITH LOCKWASHERS (16) AND NUTS (13).