



B-776A

TRANSMISSION GEAR SHIFTER MECHANISM AND TRANSMISSION

Reference numbers only are shown in this illustration. Use I H C part numbers in ordering. Unnumbered parts in the illustrations are the same as corresponding parts shown with numbers.



CHASSIS





CHASSIS

PART NUMBER	REF. NO.	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
TRANSMISSION GEAR SHIFTER MECHANISM				
18585 DA	1	GEAR SHIFTER HOUSING TO MAIN FRAME DOWEL		2
57925 D	2	STARTING CRANK MOUNTING BRACKET WITH CLIPS	TCB 1901 UP	1
		CAP SCREW, 7/16 x 1-3/4" N.C. HEX. HEAD		2
		LOCKWASHER, 7/16"		2
		RIVET, 3/16 x 3/8" ROUND HEAD		4
52823 D	3	STARTING CRANK MOUNTING BRACKET SPACER	TCB 1901 UP	2
53486 D	4	GEAR SHIFTER HOUSING GASKET		1
53474 D	5	GEAR SHIFTER RAIL GUIDE 2ND SUPPORT (ORDER 69467 D)	TCB 501 TO 7024	1
		CAP SCREW, 3/8 x 3/4" N.C. HEX. HEAD		4
		LOCKWASHER, 3/8" (ORDER 62779 DX)		4
63320 D	5	GEAR SHIFTER RAIL GUIDE 2ND SUPPORT (ORDER 69467 D)	TCB 7025 TO 14107	1
69466 D	5	GEAR SHIFTER RAIL GUIDE	TCB 14108 UP	1
62779 D	5A	GEAR SHIFTER RAIL GUIDE SUPPORT BOLT LOCK	TCB 3527 UP	2
62779 DX	5A	GEAR SHIFTER RAIL GUIDE SUPPORT BOLT LOCK (SET OF 2) (WILL WORK FOR 3/8" LOCKWASHERS)	TCB 501 TO 3526	1
8438 DAX	6	GEAR SHIFTER HOUSING WITH 2 PLUGS, 13115 D (NOT ODOMETER)		1
		CAP SCREW, 7/16 x 1-3/8" N.C. HEX. HEAD		4
		CAP SCREW, 7/16 x 1-3/4" N.C. HEX. HEAD		5
		LOCKWASHER, 7/16"		9
8947 DX	6	GEAR SHIFTER HOUSING WITH 2 PLUGS, 13115 D (ODOMETER - SPECIAL)		1
	7	SEE TRANSMISSION		
47823 D	8	GEAR SHIFTER RAIL POPPET BALL SPRING (ORDER 64163 D)		3
64163 D	8	GEAR SHIFTER RAIL POPPET BALL SPRING (WILL WORK FOR 47823 D)		3
4596 D	9	GEAR SHIFTER RAIL POPPET BALL, 1/2" (13722 D WILL WORK)		3
13722 D	9	GEAR SHIFTER RAIL POPPET BALL, 1/2" (4596 D WILL WORK)		3
53479 DA	10	FOURTH AND FIFTH GEAR SHIFTER FORK (ORDER 53480 DA)		1
53480 DA	10	4TH AND 5TH GEAR SHIFT RAIL AND FORK		1
53478 DA	11	2ND AND 3RD GEAR SHIFTER FORK (ORDER 53481 DA)		1
53481 DA	11	2ND AND 3RD GEAR SHIFT RAIL AND FORK		1
53477 DA	12	LOW AND REVERSE GEAR SHIFTER FORK (ORDER 69467 D)	TCB 501 TO 7024	1
53482 DA	12	LOW AND REVERSE GEAR SHIFTER RAIL AND FORK (ORDER 69467 D)	TCB 501 TO 7024	1
63316 D	12	LOW AND REVERSE GEAR SHIFTER FORK (ORDER 69467 D)	TCB 7025 TO 14107	1
63317 DA	12	LOW AND REVERSE GEAR SHIFTER RAIL AND FORK (ORDER 69467 D)	TCB 7025 TO 14107	1
69470 D	12	LOW AND REVERSE GEAR SHIFTER FORK (ORDER 69464 D)	TCB 14108 UP	1
69464 D	12	LOW AND REVERSE GEAR SHIFTER RAIL AND FORK	TCB 14108 UP	1
9637 D	13	GEAR SHIFT LEVER BALL (WILL WORK FOR 53717 DA BY THREADING LEVER 47585 DAX, 1/2-13 N.C. x 3/4" LONG)		1
53717 DA	13	GEAR SHIFT LEVER BALL (USED WITH LEVER 47585 DAX) (ORDER 9637 D)		1
47585 DAX	14	GEAR SHIFT LEVER WITH 2 PLUGS, 13115 D (67349 DX WILL WORK)		1
67349 DX	14	GEAR SHIFT LEVER WITH BALL, 9637 D AND 2 PLUGS, 13115 D (47585 DAX WILL WORK)		1
11373 D	15	GEAR SHIFTER SWIVEL HOUSING SHIELD SPRING STOP, UPPER IRON RIVET, 3/16 x 1-1/4" ROUND HEAD		1
29547 D	16	GEAR SHIFTER SWIVEL HOUSING SHIELD SPRING		1
17700 D	17	GEAR SHIFTER SWIVEL HOUSING SHIELD SPRING STOP, LOWER		1
20887 DA	18	GEAR SHIFTER SWIVEL HOUSING SHIELD BUSHING		1
40466 DX	19	GEAR SHIFT LEVER SWIVEL SHAFT, SMALL WITH 2 PLUGS, 13115 D		1
42496 DX	20	GEAR SHIFTER SWIVEL HOUSING SHIELD WITH BUSHING, 20887 DA AND RIVET, 3/16 x 1-1/4"		1
40465 DX	21	GEAR SHIFT LEVER SWIVEL SHAFT, LARGE WITH 2 PLUGS, 13115 D		1
13115 D	22	GEAR SHIFT LEVER SWIVEL SHAFT EXPANSION PLUG, 5/8"		2



CHASSIS

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TRANSMISSION—BALL BEARING (5 SPEEDS FORWARD, 1 REVERSE)				
53683 DA	7	TRANSMISSION OIL LEVEL ROD WITH PLUG AND SHIELD		1
4457 D	23	TRANSMISSION REVERSE IDLER GEAR SHAFT BOLT		1
		HEX. NUT, 3/8" N.F. (CASTELLATED)		1
		COTTER PIN, 3/32 x 3/4"		1
46905 DX	24	TRANSMISSION REVERSE IDLER GEAR SHAFT WITH PLUG, 45361 D		1
45361 D	25	TRANSMISSION REVERSE IDLER GEAR SHAFT PLUG		1
6477 D	26	TRANSMISSION SPLINE SHAFT BEARING CAGE, REAR		1
		CAP SCREW, 3/8 x 7/8" N.C. HEX. HEAD		2
		LOCKWASHER, 3/8"		2
17767 D	27	TRANSMISSION SPLINE SHAFT BEARING, REAR (N.D. 3208)		1
		(ST 215 WILL WORK)		1
ST 215	27	TRANSMISSION SPLINE SHAFT BEARING, REAR (IHC)		1
		(WILL WORK FOR 17767 D)		1
46904 DR	28	TRANSMISSION REVERSE IDLER GEAR BUSHING		2
52218 D	29	TRANSMISSION 4TH AND 5TH SPEED SLIDING GEAR (34 AND 38 TEETH)	TCB 501 TO 614	1
56188 D	29	TRANSMISSION 4TH AND 5TH SPEED SLIDING GEAR (33 AND 38 TEETH)	TCB 615 UP	1
52217 D	30	TRANSMISSION 2ND AND 3RD SPEED SLIDING GEAR (24 AND 30 TEETH)		1
		(63257 D WILL WORK)	TCB 501 TO 4333	1
63256 D	30	TRANSMISSION 2ND AND 3RD SPEED SLIDING GEAR (24 AND 29 TEETH)	TCB 4334 UP	1
52216 D	31	TRANSMISSION 1ST AND REVERSE SPEED SLIDING GEAR (19 TEETH)		1
52237 DX	32	TRANSMISSION REVERSE IDLER GEAR (33 TEETH) (WITH 2 BUSHINGS)		1
52220 D	33	TRANSMISSION SPLINE SHAFT		1
53632 DX	34	TRANSMISSION DRIVEN GEAR SPLIT COLLAR (2 HALVES)		1
52211 D	35	TRANSMISSION DRIVEN GEAR (39 TEETH)		1
46918 D	36	TRANSMISSION END COVER GASKET		1
8779 D	37	TRANSMISSION END COVER OIL POCKET	TCB 2920 UP	1
		CAP SCREW, 5/16 x 7/8" N.C. HEX. HEAD		3
		LOCKWASHER, 5/16"		3
6480 DC	38	TRANSMISSION END COVER	TCB 2810 UP	1
		CAP SCREW, 7/16 x 1-1/4" N.C. HEX. HEAD		4
		HEX. NUT, 7/16" N.F.		4
		LOCKWASHER, 7/16"		8
6480 DCX	38	TRANSMISSION END COVER, 6480 DC WITH OIL POCKET, 8779 D,		1
		OIL SLINGER, 53633 DA AND BEARING, ST 220 (WILL WORK FOR 6480 D, DA AND DB)	TCB 501 TO 2809	1
17767 D	39	TRANSMISSION SPLINE SHAFT BEARING, FRONT (N.D. 3208)		1
		(ST 215 WILL WORK)		1
ST 215	39	TRANSMISSION SPLINE SHAFT BEARING, FRONT (IHC)		1
		(WILL WORK FOR 17767 D)		1
45357 D	40	TRANSMISSION SPLINE SHAFT FRONT BEARING RETAINER WASHER		1
		CAP SCREW, 7/16 x 1" N.F. HEX. HEAD		2
		LOCKWASHER, 7/16"		2
46913 D	41	TRANSMISSION SPLINE SHAFT FRONT BEARING RETAINER GASKET		1
46912 D	42	TRANSMISSION SPLINE SHAFT BEARING RETAINER, FRONT		1
		CAP SCREW, 3/8 x 3/4" N.C. HEX. HEAD		3
		LOCKWASHER, 3/8"		3



CHASSIS

PART NUMBER	REF. NO.	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
45132 D	43	TRANSMISSION END COVER DOWEL PIN		1
52221 D	44	BEVEL PINION AND SHAFT (12 TEETH)(ORDER 60405 D)	TCB 501 to 2250	1
58358 D	44	BEVEL PINION AND SHAFT (12 TEETH)(ORDER 60405 D)	TCB 2257 UP	1
60405 D	44	BEVEL PINION AND SHAFT WITH DRIVE BEVEL GEAR (WILL WORK FOR 52221 D, 58358 D, 53552 D AND 58357 D)		1
53635 D	45	BEVEL PINION AND SHAFT REAR BEARING CAGE SHIM (HEAVY)		2
53636 D	46	BEVEL PINION AND SHAFT REAR BEARING CAGE SHIM (MEDIUM)		2
53637 D	47	BEVEL PINION AND SHAFT REAR BEARING CAGE SHIM (LIGHT)		X
53631 D	48	BEVEL PINION AND SHAFT REAR BEARING SNAP RING		1
21560 D	49	BEVEL PINION AND SHAFT BEARING, REAR (N.D. 1313)		1
8465 D	50	BEVEL PINION AND SHAFT BEARING CAGE, REAR CAP SCREW, 1/2 x 1-1/2" N.C. HEX. HEAD LOCKWASHER, 1/2"		4 4
52214 D	51	TRANSMISSION, 4TH SPEED GEAR (31 TEETH)	TCB 501 to 614	1
56187 D	51	TRANSMISSION 4TH SPEED GEAR (32 TEETH)	TCB 615 UP	1
46857 D	52	BEVEL PINION SHAFT SPACER, SHORT		1
52213 D	53	TRANSMISSION, 2ND AND 5TH SPEED GEAR (27 AND 41 TEETH)		1
46859 D	54	BEVEL PINION SHAFT SPACER, LONG		1
52212 D	55	TRANSMISSION, 3RD AND REVERSE SPEED GEAR (35 AND 41 TEETH) (63257 D WILL WORK)	TCB 501 to 4333	1
63255 D	55	TRANSMISSION 3RD AND REVERSE SPEED GEAR (36 AND 41 TEETH)	TCB 4334 UP	1
52215 D	56	TRANSMISSION 1ST SPEED GEAR (46 TEETH)		1
46888 D	57	BEVEL PINION SHAFT LOCK NUT LOCKWASHER		1
46887 D	58	BEVEL PINION SHAFT LOCK NUT		1
ST 200	59	BEVEL PINION SHAFT BEARING, FRONT (IHC) (WILL WORK FOR 10691 V)		1
10691 V	59	BEVEL PINION SHAFT BEARING, FRONT (N.D. 1307) (ST 200 WILL WORK)		1
52219 DA	60	TRANSMISSION DRIVING SHAFT AND GEAR (26 TEETH)(ORDER 63690 D)	TCB 501 to 2809	1
52219 DB	60	TRANSMISSION DRIVING SHAFT AND GEAR (26 TEETH)	TCB 2810 UP	1
63690 D	60	TRANSMISSION DRIVING SHAFT AND GEAR, 52219 DB, WITH BEARING ST 220 AND OIL SLINGER 53633 DA (WILL WORK FOR 52219 D AND DA)	TCB 501 to 2809	1
53633 DA	61	TRANSMISSION OIL SLINGER		1
53638 D	62	TRANSMISSION DRIVE SHAFT REAR BEARING INNER RACE AND ROLLER	TCB 501 to 2809	1

X - As REQUIRED



CHASSIS



PART NUMBER	REF. NO.	DESCRIPTION	SERIAL NUMBER	NO. REQ'D
53640 D	63	TRANSMISSION DRIVING SHAFT BEARING, REAR (HYATT BU-1310-Z) (ORDER 63692 D)	TCB 501 to 2809	1
63692 D	63	TRANSMISSION DRIVING SHAFT BEARING, ST 220 WITH OIL SLINGER, 53633 DA (WILL WORK FOR 53640 D)	TCB 501 to 2809	1
ST 220	63	TRANSMISSION DRIVING SHAFT BEARING, REAR (IHC) (WILL WORK FOR 10733 V)	TCB 2810 Up	1
10733 V	63	TRANSMISSION DRIVING SHAFT BEARING, REAR (N.D. 1310) (ST 220 WILL WORK)	TCB 2810 Up	1
53639 D	64	TRANSMISSION DRIVE SHAFT REAR BEARING OUTER RACE	TCB 501 to 2809	1
6478 D	65	TRANSMISSION DRIVING SHAFT BEARING SPACER		1
17767 D	66	TRANSMISSION DRIVING SHAFT BEARING, FRONT (N.D. 3208) (ST 215 WILL WORK)		1
ST 215	66	TRANSMISSION DRIVING SHAFT BEARING, FRONT (IHC) (WILL WORK FOR 17767 D)		1
46916 D	67	TRANSMISSION DRIVING SHAFT BEARING RETAINER GASKET		1
6479 DBX	68	TRANSMISSION DRIVE SHAFT FRONT BEARING RETAINER WITH OIL SEAL, 53634 D		1
53634 D	69	TRANSMISSION DRIVING SHAFT OIL SEAL		1
52208 D	70	TRANSMISSION DRIVE COUPLING		1
45435 D	71	TRANSMISSION DRIVE COUPLING RETAINING SCREW LOCK (ORDER ONE EACH 57792 DA AND 57793 D)	TCB 501 to 1702	1
57792 DA	71	TRANSMISSION DRIVE COUPLING RETAINING SCREW LOCK (WITH SCREW 57793 D)(WILL WORK FOR 43969 D AND 45435 D)	TCB 1703 Up	1
43969 D	72	TRANSMISSION DRIVE COUPLING RETAINING SCREW (ORDER ONE EACH 57792 DA AND 57793 D)	TCB 501 to 1702	1
57793 D	72	TRANSMISSION DRIVE COUPLING RETAINING SCREW (WITH SCREW LOCK, 57792 DA WILL WORK FOR 43969 D AND 45435 D)	TCB 1703 Up	1
53716 D		TRANSMISSION OIL RESERVIOR	TCB 501 to 516	1
		HEX. NUT, 7/16" N.C.		2
		LOCKWASHER, 7/16"		2
63257 D		TRANSMISSION 3RD AND REVERSE GEAR, 63255 D AND 2ND AND 3RD SLIDING GEAR, 63256 D (WILL WORK FOR 52212 D AND 52217 D)	TCB 501 to 4333	1
63322 DA		LOW AND REVERSE GEAR SHIFTER RAIL AND FORK WITH RAIL GUIDE (ORDER 69467 D)	TCB 7025 to 14107	1
69467 D		LOW AND REVERSE GEAR SHIFTER RAIL AND FORK WITH RAIL GUIDE (WILL WORK FOR 53474 D, 53477 D, 53482 D, 63316 D, 63317 DA, 63320 D, 63322 DA)	TCB 7025 to 14107	1