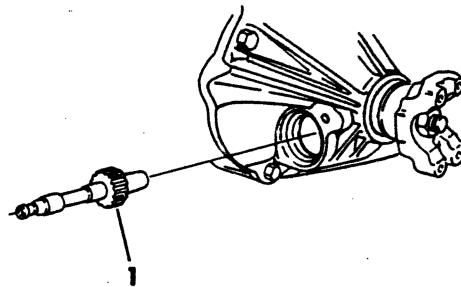
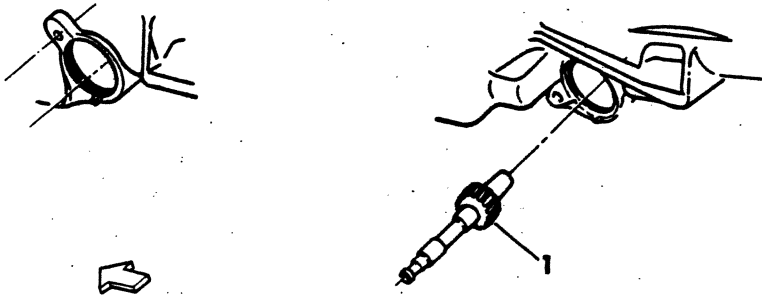


PINION CHART, SPEEDOMETER - 1980-81

8321 1220B

A230 - 435 - 445
A390 - A833



N. P. G. 208 - 1980-81

DESCRIPTION	REAR AXLE	AXLE RATIO	AXLE RATIO	AXLE RATIO	AXLE RATIO
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PINION CHART, SPEEDOMETER - 1980-81

NOTE: Tread Type, HWY = HIGHWAY TREAD, M&S = MUD & SNOW, A/W = ALL-WEATHER

NOTE: MFG., GDYR = GOODYEAR, GEN = GENERAL, FSTN = FIRESTONE

REAR AXLE RATIO				2.71	2.94	3.21/3.23	3.54/3.55
TIRE SIZE	MATERIAL	THREAD	MFR.				
LR60-15	Poly-A/R	HWY	GDYR	2538926	2538928	2538931	2538934
P195/75R15	Glass-B/R	HWY	GDYR	2538928	2538930	2538933	2538937
P195/75R15	Glass-B/R	HWY	GEN	2538927	2538930	2538932	2538936
P195/75R15	Glass-B/R	HWY	FSTN	2538928	2538930	2538933	2538937
P205/75R15	Glass-B/R	HWY	GDYR	2538927	2538929	2538932	2538935
P205/75R15	Glass-B/R	HWY	GEN	2538927	2538929	2538932	2538935
P205/75R15	Glass-B/R	HWY	FSTN	2538928	2538930	2538933	2538937
P205/75R15	Glass-B/R	M&S	ALL	2538927	2538929	2538932	2538935
P215/75R15	Glass-B/R	HWY	GDYR	2538927	2538929	2538932	2538935
P215/75R15	Glass-B/R	HWY	GEN				2538935
P215/75R15	Glass-B/R	HWY	FSTN	2538926	2538929	2538931	2538935
P215/75R15	Glass-B/R	M&S	GDYR	2538926	2538929	2538931	2538934
P215/75R15	Glass-B/R	M&S	GEN	2538926	2538929	2538931	2538935
P215/75R15	Glass-B/R	M&S	FSTN	2538926	2538928	2538931	2538934
P225/75R15	Glass-B/R	HWY	GDYR	2538926	2538928	2538931	2538934
P225/75R15	Glass-B/R	HWY	GEN	2538926	2538928	2538931	2538934
P225/75R15	Glass-B/R	HWY	FSTN	2538926	2538928	2538931	2538934
P225/75R15	Glass-B/R	M&S	GDYR	2538926	2538928	2538931	2538934
P225/75R15	Glass-B/R	M&S	GEN.	3410025	2538927	2538930	2538933
P225/75R15	Glass-B/R	M&S	FSTN	3410025	2538928	2538930	2538934
P235/75B15	Poly/Bias	HWY	ALL	3410025(A)	2538927	2538930	2538933
P235/75B15	Poly/Bias	M&S	GDYR	3410024	2538926	2538929	2538932
P235/75B15	Poly/Bias	M&S	FSTN	3410025(A)	2538927	2538930	2538933
P235/70R15	Steel-B/R	HWY	GDYR	2538926	2538928	2538931	2538934
P235/70R15	Steel-B/R	HWY	GEN	2538926	2538928	2538931	2538934
P235/75R15	Glass-B/R	HWY	GDYR	3410025(A)	2538928	2538930	2538933
P235/75R15	Glass-B/R	HWY	GEN	3410025(A)	2538928	2538930	2538933
P235/75R15	Glass-B/R	HWY	FSTN	3410025(A)	2538927	2538930	2538933
P235/75R15	Glass-B/R	M&S	ALL	3410025(A)	2538927	2538930	2538933
P235/75R15	Steel-B/R	HWY	GDYR	3410025(A)	2538928	2538930	2538933
P235/75R15	Steel-B/R	HWY	GEN	3410025(A)	2538927	2538930	2538933
P235/75R15	Steel-B/R	HWY	FSTN	3410025(A)	2538927	2538930	2538933
P235/75R15	Steel-B/R	A/W	GDYR	3410025(A)	2538928	2538930	2538933
P235/75R15	Steel-B/R	A/W	GEN	3410025(A)	2538927	2538930	2538933
P235/75R15	Steel-B/R	A/W	FSTN	3410025(A)	2538927	2538930	2538933
P235/75R15-XL	Glass-B/R	HWY	ALL	3410025(A)	2538928	2538930	2538933
P235/75R15-XL	Steel-B/R	M&S	GDYR	3410025(A)	2538927	2538930	2538933
P235/75R15-XL	Steel-B/R	M&S	GEN	3410025(A)	2538927	2538929	2538932
P235/75R15-XL	Steel-B/R	M&S	FSTN	3410025(A)	2538927	2538930	2538933
P235/75R15-XL	Glass-B/R	M&S	FSTN	3410025(A)	2538927	2538930	2538933
P255/70R15	Steel-B/R	HWY	GDYR	3410025(A)	2538927	2538930	2538933
P255/70R15	Steel-B/R	HWY	GEN	3410025(A)	2538927	2538930	2538933
10-15-LT-B	Poly/Bias	HWY	ALL	3410024(A)	2538926	2538928	2538931

LIGHT DUTY CODES: A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

AR=Use as Required

=New Part Number

Printed in U.S.A.

June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

DESCRIPTION	REAR AXLE	AXLE RATIO	AXLE RATIO	AXLE RATIO	AXLE RATIO
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PINION CHART, SPEEDOMETER - 1980-81

10-15-LT-C	Poly/Bias	HWY	ALL	3410024(A)	2538926	2538928	2538931
7.00x15-D	Nyl/Bias	HWY	GDYR	3410024(A)	2538926	2538929	2538932
7.00x15-D	Nyl/Bias	HWY	GEN	3410024(A)	2538926	2538929	2538932
7.00x15-D	Nyl/Bias	HWY	FSTN	3410025(A)	2538927	2538929	2538932
7.00x15D	Nyl/Bias	M&S	GDYR	3410024(A)	2538926	2538929	2538932
7.00x15-D	Nyl/Bias	M&S	GEN	3410024(A)	2538926	2538929	2538932
7.00x15-D	Nyl/Bias	M&S	FSTN	3410024(A)	2538926	2538928	2538931

REAR AXLE RATIO

3.54 3.73 4.10 4.56

7.50x16-E	Nyl/Bias	HWY	GDYR	2538929	2538930	2538934	2538938
7.50x16-E	Nyl/Bias	HWY	GEN	2538929	2538931	2538934	2538938
7.50x16-E	Nyl/Bias	HWY	FSTN	2538930	2538932	2538935	2538938
7.50x16-E	Nyl/Bias	M&S	GDYR	2538929	2538930	2538933	2538938
7.50x16-E	Nyl/Bias	M&S	GEN	2538929	2538931	2538934	2538938
7.50x16-E	Nyl/Bias	M&S	FSTN	2538930	2538931	2538934	2538938
8.00x16.5-D	Poly/Bias	HWY	GDYR	2538933	2538935	2538938	2538943
8.00x16.5-D	Poly/Bias	HWY	GEN	2538933	2538935	2538938	2538943
8.00x16.5-D	Poly/Bias	HWY	FSTN	2538933	2538935	2538939	2538943
8.00x16.5-E	Poly/Bias	HWY	GDYR	2538933	2538935	2538939	2538943
8.00x16.5-E	Poly/Bias	HWY	GEN	2538933	2538935	2538938	2538942
8.00x16.5-E	Poly/Bias	HWY	FSTN	2538933	2538935	2538939	2538943
8.00Rx16.5-E	Steel-B/R	HWY	GDYR	2538934	2538936	2538939	2538943
8.00Rx16.5-E	Steel-B/R	HWY	GEN	2538934	2538935	2538939	2538943
8.00Rx16.5-E	Steel-B/R	HWY	FSTN	2538933	2538935	2538939	2538944
8.00x16.5-E	Poly/Bias	M&S	GDYR	2538933	2538935	2538939	2538943
8.00x16.5-E	Poly/Bias	M&S	GEN	2538933	2538935	2538938	2538943
8.75x16.5-E	Poly/Bias	HWY	GDYR	2538932	2538934	2538937	
8.75x16.5-E	Poly/Bias	HWY	GEN	2538932	2538933	2538937	
8.75x16.5-E	Poly/Bias	HWY	FSTN	2538932	2538934	2538938	
8.75x16.5-E	Poly/Bias	M&S	GDYR	2538932	2538933	2538937	
8.75x16.5-E	Nyl/Bias	HWY	ALL	2538932	2538934	2538937	
8.75Rx16.5-E	Steel-B/R	HWY	GDYR	2538932	2538934	2538938	
8.75Rx16.5-E	Steel-B/R	HWY	GEN	2538932	2538934	2538938	
8.75Rx16.5-E	Steel-B/R	HWY	FSTN	2538932	2538934	2538937	
8.75Rx16.5-F	Steel-B/R	HWY	GDYR	2538932	2538934	2538938	
9.50x16.5-E	Poly/Bias	HWY	GDYR	2538931	2538932	2538935	
9.50x16.5-E	Poly/Bias	HWY	GEN	2538931	2538933	2538936	
9.50x16.5-E	Poly/Bias	HWY	FSTN	2538932	2538934	2538937	
9.50x16.5-E	Poly/Bias	M&S	GDYR	2538930	2538932	2538935	
9.50x16.5-E	Poly/Bias	M&S	GEN	2538931	2538932	2538936	
9.50Rx16.5-E	Steel-B/R	HWY	ALL	2538931	2538933	2538936	

ADAPTERS

PART NO.	RATIO (See Ref. No. 8)
1933049(A)	.8794 to 1 Ratio
2235626(B)	.6944 to 1 Ratio

PINION, SPEEDOMETER

3410024 - 24 Th.	3410025 - 25 Th.
2538926 - 26 Th.	2538927 - 27 Th.

LIGHT DUTY CODES: A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
 AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

DESCRIPTION	REAR AXLE	AXLE RATIO	AXLE RATIO	AXLE RATIO	AXLE RATIO
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PINION CHART, SPEEDOMETER - 1980-81

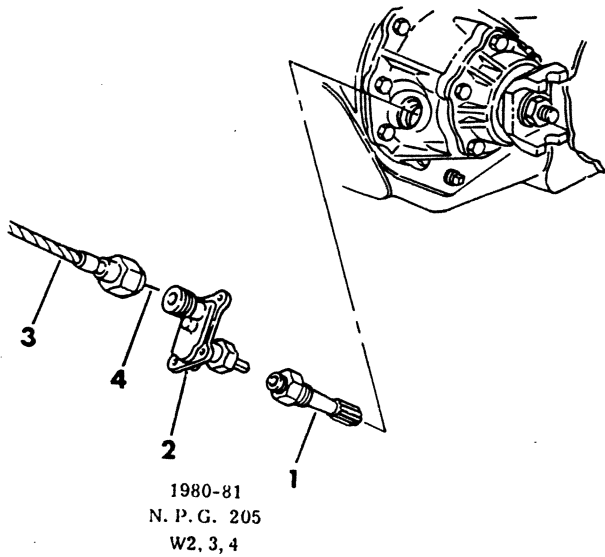
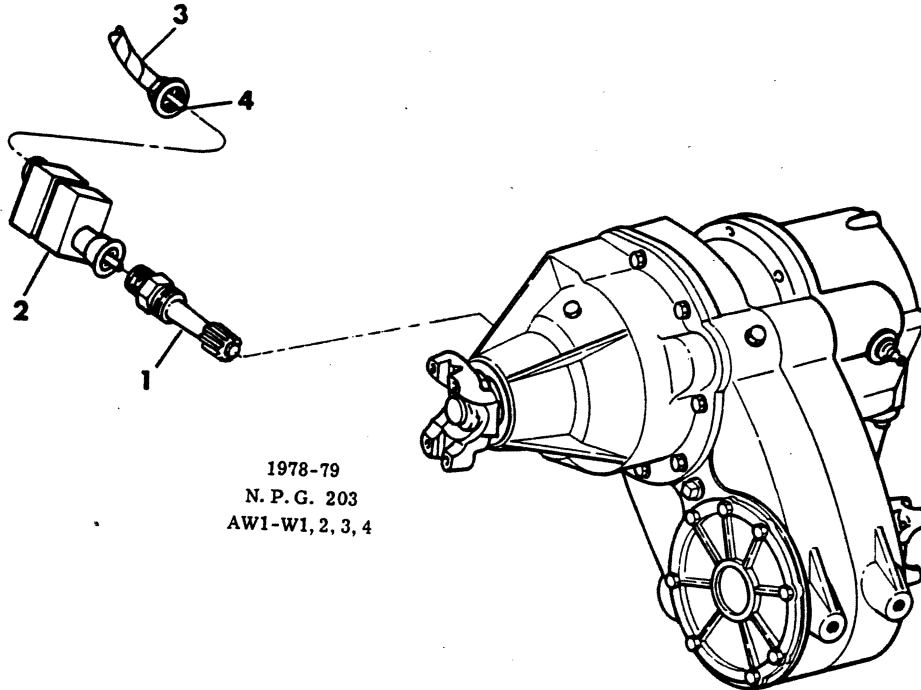
2538928 - 28 Th.	2538929 - 29 Th.				
2538930 - 30 Th.	2538931 - 31 Th.				
2538932 - 32 Th.	2538933 - 33 Th.				
2538934 - 34 Th.	2538935 - 35 Th.				
2538936 - 36 Th.	2538937 - 37 Th.				
2538940 - 40 Th.	2538941 - 41 Th.				
2538942 - 42 Th.	2538943 - 43 Th.				
2538945 - 45 Th.					

LIGHT DUTY CODES: A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
 AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
 AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

8321 1240B

SPEEDOMETER CABLE, ADAPTER & PINION
AW1 - W1,2,3,4



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
SPEEDOMETER CABLE, ADAPTER & PINION				
AW1 - W1,2,3,4				
1			AW1-W1,2,3,4	PINION, 203,205 T/C(See Chart, Illus. No. 1250B)
2		AR		ADAPTER ASSY. (See Chart, Illus. No. 1250B)
		1		1790831 (A), Type 666F, 1.2020 to 1 Ratio
		1		3828424 (B), 1.2844 to 1 Ratio
		1		1797169 (C), .944 to 1 Ratio (Service Vendor)
3	4085 502	1	All	SPEEDOMETER CABLE, w/SHAFT and HOUSING, Trans. To Transfer
				Case, 80" Long - 1978
	4114 403	1	All	80" Long - 1979-80
	4216 629	1	W2,3,4	80" Long, w/205 T/Case - 1981
	4114 567	1	W3,4	Speedo. to E.G.R. Switch, w/Hvy. Duty Cyc. Eng., 26" Long - 1979
	4085 998	1	W3,4	E.G.R. Switch to Trans., w/Hvy. Duty Cyc. Eng., 64" Long - 1979
4	2448 294	1	All	SHAFT, Cable Drive, 80" Long, Universal Shaft Pkg.
	2216 552	1	All	GROMMET, Speedo. Cable
	3592 374	1	All	SLEEVE, Speedo. Cable Silencer

LIGHT	A = All Sport Utility (Ramcharger).	B = All Compact Models.	D = Conventional Cab.
DUTY	AD = 2 Wheel Drive Only (Ramcharger).	CB-MB = Compact Front Section Only.	W = Conventional Cab 4 Wheel Drive.
CODES:	AW = 4 Wheel Drive Only (Ramcharger).	P = Forward Control Chassis.	M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

AR=Use as Required

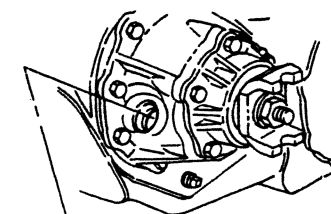
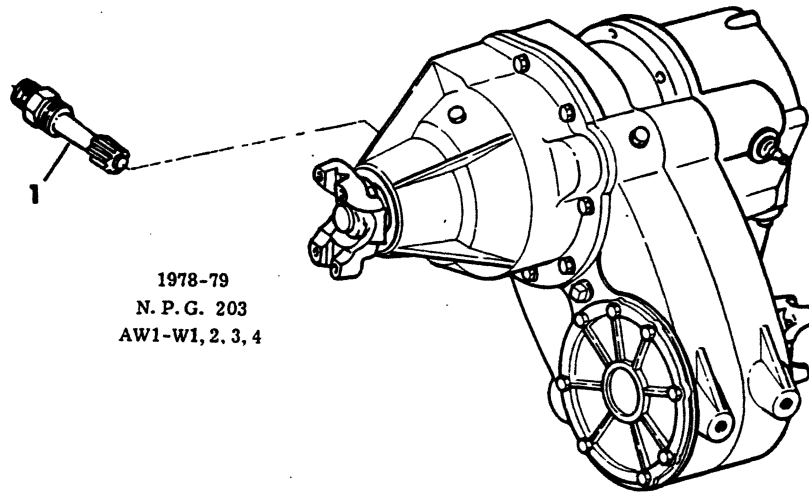
=New Part Number

Printed in U.S.A.

June, 1982

PINION CHART, SPEEDOMETER, WITH N.P.G. 203,205 TRA
NSFER CASE, AW1-W1,2,3,4

8321 1250B



DESCRIPTION	REAR AXLE	AXLE RATIO	AXLE RATIO	AXLE RATIO	AXLE RATIO
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**PINION CHART, SPEEDOMETER, WITH N.P.G. 203,205 TRA
NSFER CASE, AW1-W1,2,3,4**

PINION CHART, SPEEDOMETER, WITH N.P.G. 203
TRANSFER CASE, AW1-W1,2,3,4 - 1978-79

REAR AXLE RATIO		3.21/3.23	3.54/3.55	3.90/3.91	
TIRE SIZE	MATERIAL	TIRE TYPE			
HR70-15	P & S	HWY	2225026(A)	2225028(A)	
LR70-15	P & S	HWY	2225026(A)	2225027(A)	
E78-15	P & G	HWY	2225027(A)	2225026	2225027
F78-15	P & G	HWY	2225027(A)	2225028	2225027
G78-15	P & G	HWY	2225028(B)	2225028(B)	2225027
H78-15	P & G	HWY	2225026(A)	2225028(A)	2225026
HR78-15	P & S	HWY & M&S	2225026(A)	2225028(A)	2225027(C)
L78-15	P & G	HWY	2225026(A)	2225027(A)	2225026
L78-15	P & G	MUD & SNOW	2225026(B)	2225027(A)	2225028(A)
LR78-15	P & S	HWY & M&S	2225026(A)	2225027(A)	2225026
7.00-15	NYLON	HWY	2225026(B)	2225027(A)	2225026
10.00-15	POLYESTER	HWY	2225026(B)	2225027(B)	2225028(A)
6.50	NYLON	HWY	2225026(B)	2225027(A)	2225026

REAR AXLE RATIO

4.10

4.88

TIRE SIZE	MATERIAL	TIRE TYPE		
7.00-16	NYLON	HWY & M&S	2225026	2225029
7.50-16	NYLON	HWY & M&S	2225026	2225028
8.00-16.5	NYLON	HWY	2225027	2225029(C)
8.00R-16.5	P & S	HWY	2225027	2225029(C)
8.00-16.5	NYLON	HWY	2225026	2225029
8.75-16.5	NYLON	HWY	2225027	2225029
8.75-16.5	NYLON	MUD & SNOW	2225026	2225029
9.50-16.5	NYLON	HWY & M&S	2225026	2225029

ADAPTERS

PART NO.	RATIO (See Ref. No. 2)
1790831(A)	1.2020 to 1 Ratio
3828424(B)	1.2844 to 1 Ratio
1797169(C)	.944 to 1 (Service Vendor)

PINION, SPEEDOMETER

2225026 - 14 Th.	2225027 - 15 Th.
2225028 - 16 Th.	2225029 - 17 Th.

PINION CHART, SPEEDOMETER-WITH N.P.G. 205
TRANSFERCASE, W200,300,400 - 1980-81

REAR AXLE RATIO

4.10

4.56

7.50x16.0-E	Nyl/Bias	HWY	ALL	2225026(C)
7.50x16.0-E	Nyl/Bias	M&S	GDYR	2225027(C)
7.50x16.0-E	Nyl/Bias	M&S	GEN	2225027(A)
7.50x16.0-E	Nyl/Bias	M&S	FSTN	2225026(C)
8.00x16.5-D	Poly/Bias	HWY	GDYR	2225028(C)

LIGHT	A = All Sport Utility (Ramcharger).	B = All Compact Models.	D = Conventional Cab.
DUTY	AD = 2 Wheel Drive Only (Ramcharger).	CB-MB = Compact Front Section Only.	W = Conventional Cab 4 Wheel Drive.
CODES:	AW = 4 Wheel Drive Only (Ramcharger).	P = Forward Control Chassis.	M = Motor Home.

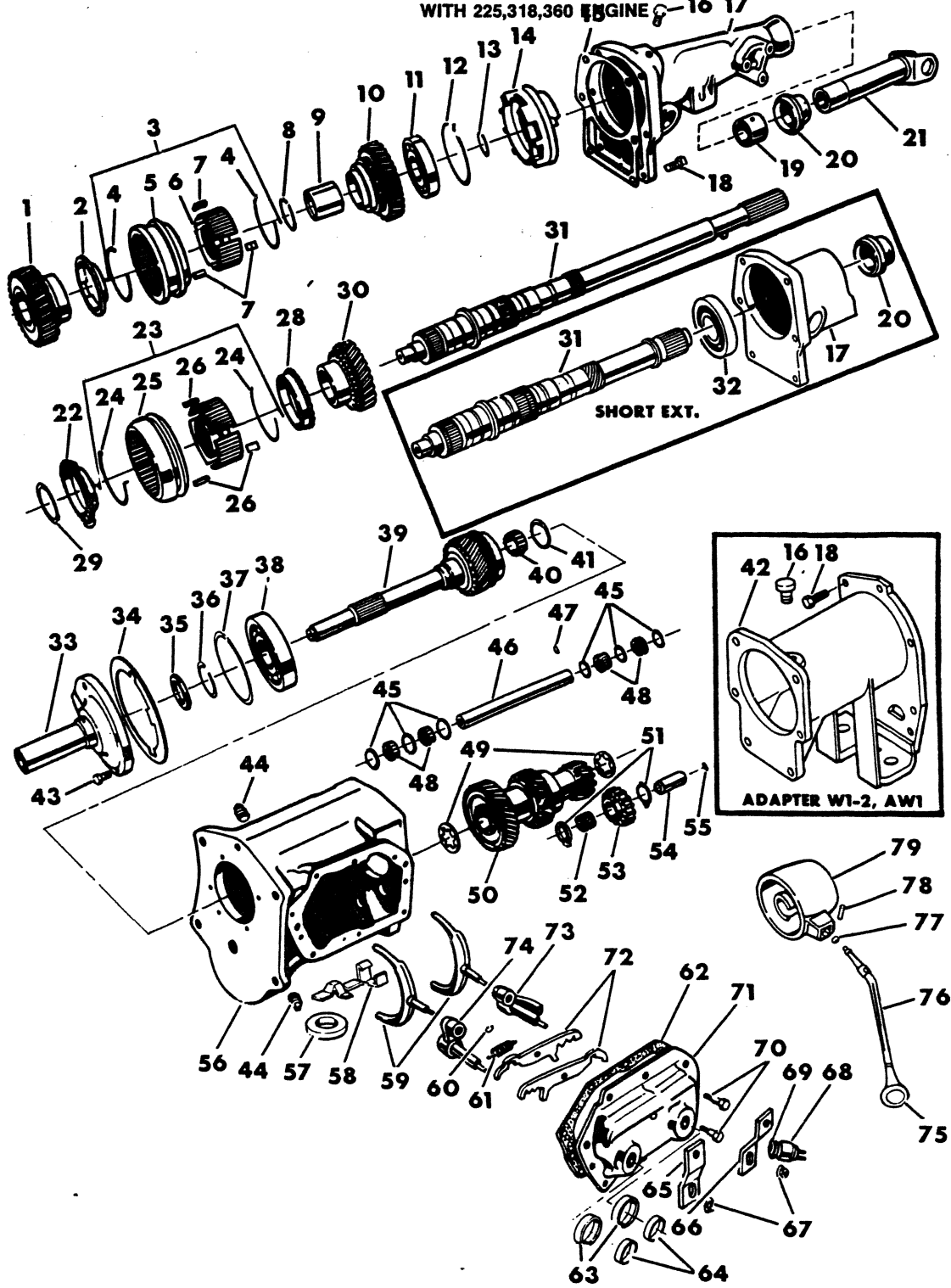
MEDIUM-HEAVY CODES:	XNT = Low Cab Forward.	D = Conventional Cab.	S = School Bus.	W = 4-Wheel Drive.
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GROUP 21M - TRANSMISSION, MANUAL

GEARSHIFT CONTROLS, 3-SPEED COLUMN SHIFT MODEL A230-A390 MANUAL TRANSMISSION D1,2 - W1,2 - B1,2,3 - CB3 - AD-AW1	Fig. 21M-250
GEARSHIFT CONTROLS, 4 SPEED FLOOR SHIFT N.P.G. MODEL 435 MANUAL TRANSMISSION D1,2,3,4 - W1,2,3,4 - AW1	Fig. 21M-600
GEARSHIFT CONTROLS, 4 SPEED FLOOR SHIFT N.P.G. MODEL 445 MANUAL TRANSMISSION D1,2,3,4 - W1,2,3,4 - AW1	Fig. 21M-800
GEARSHIFT CONTROLS, OVERDRIVE 4-SPEED FLOOR SHIFT N.P.G. MODEL A833 MANUAL TRANSMISSION B1,2 - D1 - MB2	Fig. 21M-400
PINION CHART, SPEEDOMETER - 1978-79	Fig. 21M-1220
PINION CHART, SPEEDOMETER - 1980-81	Fig. 21M-1220
PINION CHART, SPEEDOMETER, WITH N.P.G. 203,205 TRANSFER CASE, AW1-W1,2,3,4	Fig. 21M-1250
SPEEDOMETER CABLE, ADAPTER & PINION B-CB-D-AD (W1,2-AW1 w/208 TRANSFER CASE)	Fig. 21M-1200
SPEEDOMETER CABLE, ADAPTER & PINION AW1 - W1,2,3,4	Fig. 21M-1240
TRANSFER CASE, N.P.G. MODEL 203 CASE, CONTROLS AND MOUNTING W1,2,3,4 - AW1 - 1978-79	Fig. 21M-900
TRANSFER CASE, N.P.G. MODEL 203 CASE AND GEARS W1,2,3,4 - AW1 - 1978-79	Fig. 21M-1000
TRANSFER CASE, N.P.G. MODEL 203 GEARS AND COMPONENTS W1,2,3,4 - AW1 - 1978-79	Fig. 21M-1100
TRANSFER CASE, N.P.G. MODEL 205 CASE AND RELATED PARTS W200,300,400 - 1980-81 (Page 1 of 3)	Fig. 21M-1125
TRANSFER CASE- N.P.G. MODEL 205 IDLER & FRT. OUTPUT SHAFT AND GEARS W200,300,400 - 1980-81 (Page 2 of 3)	Fig. 21M-1130
TRANSFER CASE- N.P.G. MODEL 205 INPUT & REAR OUTPUT SHAFT AND GEARS W200,300,400 - 1980-81 (Page 3 of 3)	Fig. 21M-1140
TRANSFER CASE- N.P.G. MODEL 208 W100,200 - AW100 - 1980-81	Fig. 21M-1150
TRANSFER CASE- N.P.G. MODEL 205,208 CONTROLS AND MOUNTING W1,2,3,4-AW1 1980-81	Fig. 21M-1175
TRANSMISSION, 3 SPEED, N.P.G. MODEL A230 D1,2 - W1,2 - B1,2,3 - CB3 - AD1 - AW1 WITH 225,318,360 ENGINE	Fig. 21M-100
TRANSMISSION, 3 SPEED, TREMEC MODEL A390 D1,2 - B1,2,3 - CB3 WITH 225 ENGINE	Fig. 21M-200
TRANSMISSION, 4 SPEED - N.P.G. MODEL 445 CASE AND GEARS D1,2,3,4 - W1,2,3,4 - AW1	Fig. 21M-700
TRANSMISSION, 4 SPEED, N.P.G. MODEL 435 CASE AND GEARS D1,2,3,4 - W1,2,3,4 - AW1	Fig. 21M-500
TRANSMISSION, OVERDRIVE 4-SPEED N.P.G. MODEL A833, B1,2 - D1 - MB2 WITH 225,318 ENGINE	Fig. 21M-300

8321 106A

TRANSMISSION, 3 SPEED, N.P.G. MODEL A230
D1,2 - W1,2 - B1,2,3 - CB3 - AD1 - AW1
WITH 225,318,360 ENGINE 16 17



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
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**TRANSMISSION, 3 SPEED, N.P.G. MODEL A230
D1,2 - W1,2 - B1,2,3 - CB3 - AD1 - AW1
WITH 225,318,360 ENGINE**

	4106 554	1		GASKET and SEAL PACKAGE, Model A230, w/Long Extension ABOVE PACKAGE CONSISTS OF: 1 - 3410008 Gasket 1 - 3515383 Seal 1 - 2801692 Seal 1 - 2124499 Gasket 1 - 3410030 Gasket 2 - 1316849 Seal 2 - 3515793 Retainer 1 - 1302807 Gasket 1 - 4057046 Speedo. Pinion Small Parts Pkg.
	3780 207	1		w/Short Extension ABOVE PACKAGE CONSISTS OF: 1 - 3410008 Gasket 1 - 2205080 Seal 1 - 2801692 Seal 1 - 2124499 Gasket 1 - 3410030 Gasket 1 - 6025752 "O" Ring 1 - 2538588 Seal 1 - 2538571 Ring 2 - 1316849 Seal 2 - 3515793 Retainer 1 - 1302807 Gasket CROSS REFERENCE MODEL PRODUCTION SERVICE A230 ASSY. ASSY. A230 3641111 3641114 A230 4086709 3641114 A230 4117753 3641114 A230 3641112 3641115 A230 3641113 3641115 A230 4036419 3641115 A230 4117755 3641115 A230 3820721 3820722 A230 4086710 3820722
	3641 114	1	D1,2	TRANSMISSION ASSY., A230 w/SHORT EXT., D100 w/133"-149" W.B., D200 w/149" W.B., 10" Clutch w/225 Eng. 11" Clutch w/All Eng., SERVICED
	3641 115	1	B-D-CB-AD	TRANSMISSION ASSY. A230, w/LONG EXT., B1,2,3-CB3 w/109"-127" W.B., D1,2 w/115"-131" W.B., AD1 w/106" W.B., w/11" Clutch, All Eng., SERVICED
	3820 722	1	W1,2-AW1	TRANSMISSION ASSY. A230, w/11" Clutch, All Eng., SERVICED
1	3410 068	1	All	GEAR, First Speed (S34-L28T)
2	3515 023	1	All	RING, Synch. Stop
3	3515 449	1	All	SYNCHRONIZER ASSY., First Speed - 1978
	4130 097	1	All	1979
4	3515 468	2	All	SPRING, First Speed Synch.
5		1	All	SLEEVE, (Serviced in Synch. Assy. 3515449)

LIGHT A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
DUTY AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

AR = Use as Required

= New Part Number

Printed in U.S.A.

June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSMISSION, 3 SPEED, N.P.G. MODEL A230				
D1,2 - W1,2 - B1,2,3 - CB3 - AD1 - AW1				
WITH 225,318,360 ENGINE				
6	2892 287	1	All	GEAR, Synch. Clutch
7		1	All	STRUTS, (Serviced in Synch. Assy. 3515449)
8	6024 131	1	All	SNAP RING, Clutch Gear
9			All	BUSHING, Rev. Gear (Serviced w/Gear)
10	3410 069	1	All	GEAR, Reverse (S34-L28T)
11	3410 048	1	All	BEARING, Mainshaft
12	6028 258	1	All	SNAP RING, Brg. Outer Race
13				SNAP RING, Bearing
	6025 754	AR	All	.086" - .088" Thk.
	6025 755	AR	All	.089" - .091" Thk.
	6025 756	AR	All	.092" - .094" Thk.
	6025 757	AR	All	.095" - .097" Thk.
14	3410 007	1	All	RETAINER, Rear Brg.
15	3410 008	1	All	GASKET, Extension or Adapter
16	2124 715	1	All	VENT, Breather
17	3515 136	1	All	EXTENSION, Short (Use w/3641114 Trans. Assy.)
	3410 005	1	All	Long (Use w/3641115 Trans. Assy.)
18		4	All	SCREW, Ext., 3/8-16 x 1-3/8"
	454 467	2	All	Upper Ext., 3/8-16 x 1-3/4"
19	2801 724	1	All	BUSHING, Long Ext.
20	3515 383	1	All	SEAL, Oil, Long Ext.
	2205 080	1	All	Short Ext.
21			All	YOKE, (Refer to Group 16)
22	3515 023	1	All	RING, Synch. Stop
23	3515 448	1	All	SYNCHRONIZER ASSY., Second and Third Speed - 1978
	4130 098	1	All	1979
24	3515 468	2	All	SPRING, Second and Third Speed Synch.
25		1	All	SLEEVE, (Serviced in Synch. Assy. 3515448)
26			All	STRUTS, (Serviced in Synch. Assy. 3515448)
27	2892 287	1	All	GEAR, Synch. Clutch
28	3515 023	1	All	RING, Synch. Stop
29	6024 131	1	All	SNAP RING, Clutch Gear
30	3410 067	1	All	GEAR, Second Speed (S30-L24T)
31	3410 010	1	All	MAINSHAFT, (Use w/3641115 Trans. Assy.) 27-1/4" Lg. (S40-40-30Spl)
	3410 239	1	All	(Use w/3641114 Trans. Assy.) 17-3/16" Lg. (S40-40-23Spl)
	3743 298	1	All	(Use w/3820722 Trans. Assy.)
32	1672 194	1	All	BEARING, Short Ext.
33	2960 122	1	All	RETAINER, M/Drive Gear Bearing
34	2124 499	1	All	GASKET, M/Drive Gear Brg. Retainer
35	2801 692	1	All	SEAL, M/Drive Gear Brg. Retainer
36			All	SNAP RING, Bearing
	6025 754	AR	All	.086" - .088" Thk.
	6025 755	AR	All	.089" - .091" Thk.
	6025 756	AR	All	.092" - .094" Thk.
	6025 757	AR	All	.095" - .097" Thk.
37	2124 518	1	All	SNAP RING, Brg. Outer Race
38	575 551	1	All	BEARING, Main Drive Gear
39	3410 199	1	All	GEAR, Main Drive, 11" Lg. (S36-L18T)
40	1949 834	15	All	ROLLER, Pilot Brg.

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CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

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TRANSMISSION, MANUAL **1978-81 LIGHT DUTY TRUCK PARTS CATALOG**

Figure 21M-100
Illus. Page 21M-5

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSMISSION, 3 SPEED, N.P.G. MODEL A230				
D1,2 - W1,2 - B1,2,3 - CB3 - AD1 - AW1				
WITH 225,318,360 ENGINE				
41	862 173	1	All	SNAP RING, Roller - 1978
	3492 986	1	All	1979
42	3743 311	1	AW1-W1,2	ADAPTER, Trans. to Transfer Case (Use w/3820722 Trans. Assy.)
43	1920 101	4	All	SCREW, M/Drive Gear Brg. Retainer
44			All	PLUG, Filler, 1/2-14 Pipe (Not Serviced)
			All	Drain, 3/8-18 Pipe (Not Serviced)
45	2124 506	6	All	WASHER, Thrust Roller
46	3410 026	1	All	COUNTERSHAFT, Trans. (.9450" x 10-3/16"Lg.)
47	1635 293	1	All	KEY, Co/Shaft
48	2124 502	88	All	ROLLER, Co/Shaft
49	3410 162	2	All	WASHER, Thrust, Co/Shaft
50	3410 200	1	All	GEAR, Co/Shaft Cluster
51	3515 472	2	All	WASHER, Rev. Idler Gear
52	666 927	22	All	ROLLER, Rev. Idler Gear
53	3410 072	1	All	GEAR, Rev. Idler
54	3410 210	1	All	SHAFT, Rev. Idler Gear (.7550" x 2-7/16" Lg.)
55	1635 293	1	All	KEY, Rev. Idler Shaft
56	3681 558	1	All	CASE, Trans. - 1978
	3743 805	1	All	1979
57	3681 601	1	All	MAGNET, Case Chip Collector
58	3743 314	1	All	CLIP, Magnet
59	3410 038	2	All	FORK, Gearshift
60	6025 857	1	All	SNAP RING, Lever Pin
	6028 261	1	All	PIN, Interlock Lever
61	3410 204	1	All	SPRING, Interlock Lever
62	3410 030	1	All	GASKET, G/Shift Hsg.
63	1316 849	2	All	SEAL, Lever Shaft
64	3515 793	2	All	RETAINER, Seal
65	2960 424	1	B1,2,3-CB3	LEVER, Outer Second and Third - 1978
	3492 046	1	A-D-W1,2	1978
	4036 421	1	All	UP to 10-16-1978
	4117 751	1	All	AFTER 10-16-1978
66	2960 423	1	B1,2,3-CB3	LEVER, Outer First and Reverse - 1978
	3492 047	1	A-D-W1,2	1978
	4036 422	1	All	1979
67	6028 034	2	All	NUT, Operating Lever
68	3488 270	1	All	SWITCH, B/U Light
	1139 153	1	All	PLUG, B/U Light Switch Hole
	6029 123	1	All	Emission Control Switch Hole
69	1302 807	1	All	GASKET, B/U Light Switch
	3515 027	1	All	Emission Control Switch Hole Plug
70	4028 723	8	All	BOLT, G/Shift Hsg.
	4028 724	1	All	
71	3780 222	1	All	HOUSING, Gearshift
72	3410 207	2	All	LEVER, G/Shift Interlock
73	3515 492	1	All	LEVER, Inner First and Reverse
74	3681 684	1	All	LEVER, Inner Second and Third
75	2883 402	1		KNOB, G/Shift Lever, Except 15" Tuff, Steering Wheel
	3575 242	1		w/15" Tuff, Steering Wheel

LIGHT	A = All Sport Utility (Ramcharger).	B = All Compact Models.	D = Conventional Cab.
DUTY	AD = 2 Wheel Drive Only (Ramcharger).	CB-MB = Compact Front Section Only.	W = Conventional Cab 4 Wheel Drive.
CODES:	AW = 4 Wheel Drive Only (Ramcharger).	P = Forward Control Chassis.	M = Motor Home.

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1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSMISSION, 3 SPEED, N.P.G. MODEL A230				
D1,2 - W1,2 - B1,2,3 - CB3 - AD1 - AW1				
WITH 225,318,360 ENGINE				
76	4019 020	1	B1,2,3-CB3	LEVER, Column G/Shift
	3496 276	1	A-D-W1,2	Except, Tilt Steering Wheel
	3748 456	1		LEVER w/KNOB, w/Tilt Steering Wheel
	4019 020	1		w/15" Tuff, Steering Wheel
77	2530 199	1	All	RING
78	9432 156	1	B1,2,3-CB3	PIN, Lever 1/4" x 7/8" Long
	9412 281	1	A-D-W1,2	1/4"x 1" Long, Except Tilt Steering Wheel
	152 233	1		3/16 x 7/8", w/Tilt Steering Wheel
79				HOUSING, (Refer to Group 19)

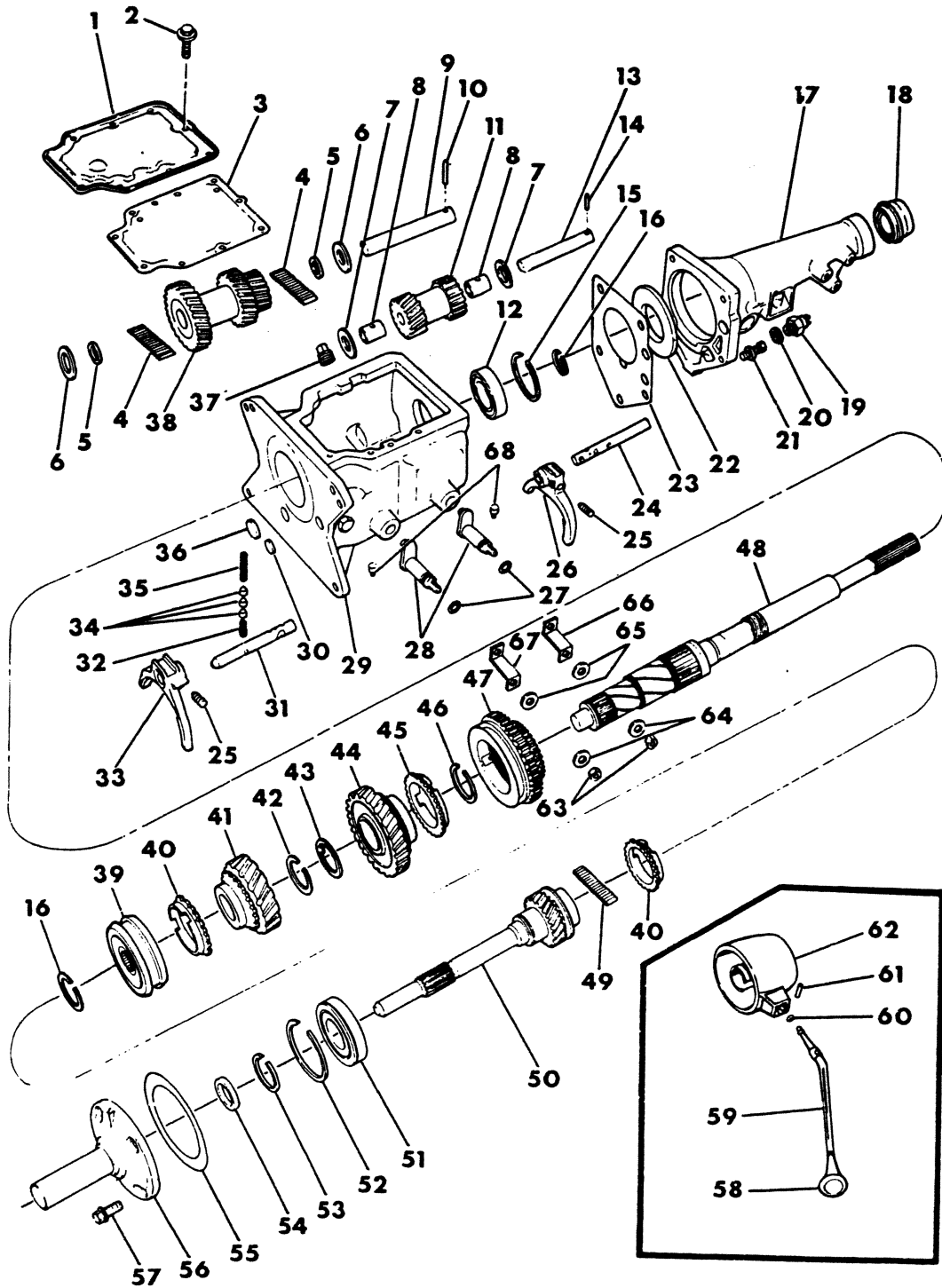
LIGHT A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
DUTY AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

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1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

TRANSMISSION, 3 SPEED, TREMEC MODEL A390 D1,2 - B1,2,3 - CB3 WITH 225 ENGINE

8321 200A



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
	3780 288	1		GASKET and SEAL PACKAGE, Model A390
				ABOVE PACKAGE CONSISTS OF:
				1 - 3743727 Gasket
				1 - 3515383 Seal
				1 - 3743729 Gasket
				2 - 1536267 Seal
				1 - 3743719 Seal
				1 - 3743718 Gasket
				1 - 6025752 "O" Ring
				1 - 2538588 Seal
				1 - 1302807 Gasket
			D1,2	TRANSMISSION ASSY. AS PURCHASED No. 3822994
			B1,2,3-CB3	TRANSMISSION ASSY. AS PURCHASED No. 3822995
			B-CB-D	TRANSMISSION ASSY. AS PURCHASED No. 4036420, B1,2,3-CB3-D1,2
	3681 077	1	B-CB-D	TRANSMISSION ASSY. A390, w/LONG EXT., B1,2,3-CB3-D1,2 w/10",11" Clutch, w/225 Eng. SERVICED
1	3743 726	1	All	COVER, Trans. Case
2	3743 728	9	All	SCREW, Cover
3	3743 727	1	All	GASKET, Case Cover
4	3743 757	50	All	ROLLER, Co/Shaft Brg.
5	3743 759	2	All	WASHER, Co/Shaft Brg.
6	3743 758	2	All	WASHER, Co/Shaft Thrust
7	3743 765	2	All	WASHER, Reverse Idler Thrust
8	3743 764	2	All	BUSHING, Reverse Idler
9	3743 760	1	All	COUNTERSHAFT, Trans.
10	3743 737	1	All	PIN, Co/Shaft Stop, Long
11	3743 762	1	All	GEAR, Reverse Idler
12	3743 733	1	All	BEARING, Output Shaft
13	3743 761	1	All	SHAFT, Reverse Idler
14	3743 736	1	All	PIN, Rev. Idler Stop, Short
15	3743 732	1	All	SNAP RING, Output Shaft, Outer
16	3743 735	2	All	SNAP RING, Output Shaft, Inner
17	3743 632	1	All	EXTENSION w/BUSHING, Trans. Case
18	3515 383	1	All	SEAL, Case Extension
19	3488 270	1	All	SWITCH, B/U Lamp
20	1302 807	1	All	GASKET, B/U Lamp Switch
21	180 149	5	All	SCREW, Case Extension
	3743 731	5	All	LOCKWASHER, Ext. Screw
22	3743 641	1	All	RETAINER, Output Shaft Brg.
23	3743 729	1	All	GASKET, Case Extension
24	4028 003	1	All	RAIL, Gearshift First and Reverse
25	3743 771	2	All	SCREW, G/Shift Fork Set
26	3743 773	1	All	FORK, Gearshift First and Reverse
27	1536 267	2	All	SEAL, G/Shift Lever Shaft Oil
28	3743 766	2	All	LEVER, Gearshift
29	3743 715	1	All	CASE, Trans.
	3743 717	1	All	MAGNET, Case
30	117 612	1	All	PLUG, 11/16"
31	4028 002	1	All	RAIL, G/Shift Second and Third

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1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSMISSION, 3 SPEED, TREMEC MODEL A390				
D1,2 - B1,2,3 - CB3				
WITH 225 ENGINE				
32	3743 777	1	All	SPRING, Second and Third Detent Pin
33	3743 772	1	All	FORK, G/Shift Second and Third
34	3743 778	3	All	PIN, Gearshift Detent
35	3743 776	1	All	SPRING, First and Reverse Detent Pin
36	117 920	1	All	PLUG, 1-1/16"
37	3743 724	1	All	PLUG, Case Filler
38	3743 756	1	All	GEAR, Co/Shaft
39	4028 007	1	All	SYNCHRONIZER ASSY., Second and Third
	3743 742	2	All	SPRING, Synch. Second and Third
40	3878 545	2	All	RING, Synch. Second and Third Stop
41	3743 745	1	All	GEAR, Second Speed
42	3743 748	1	All	SNAP RING, First Speed Gear Thrust Washer
43	3743 747	1	All	WASHER, First Speed Gear Thrust
44	3878 541	1	All	GEAR, First Speed
45	3878 544	1	All	RING, Synch. First Speed Stop
46	3743 755	1	All	SNAP RING, Synch. First and Rev. Clutch Gear
47	4028 649	1	All	SYNCHRONIZER ASSY., First and Reverse Speed
	3743 753	1	All	SPRING, Synch. First Speed
48	3743 779	1	All	SHAFT, Output
49	3743 734	15	All	ROLLERS, Output Shaft Pilot
50	3743 712	1	All	GEAR, Main Drive
51	3743 722	1	All	BEARING, M/Drive Gear
52	3743 721	1	All	SNAP RING, M/Drive Gear Brg. Outer
53	3743 723	1	All	SNAP RING, M/Drive Gear Brg. Inner
54	3743 719	1	All	SEAL, M/Drive Gear Brg. Retainer Oil
55	3743 718	1	All	GASKET, M/Drive Gear Brg. Retainer
56	3743 713	1	All	RETAINER, M/Drive Gear Bearing
57	3743 720	4	All	SCREW, M/Drive Gear Brg. Retainer
58	2883 402	1		KNOB, G/Shift Lever, Except 15" Tuff, Steering Wheel
	3575 242	1		w/15" Tuff, Steering Wheel
59	4019 020	1	B1,2,3-CB3	LEVER, Column G/Shift
	3496 276	1	D1,2	LEVER, Column G/Shift
	3748 456	1		LEVER w/KNOB, G/Shift, w/Tilt Steering Wheel
	4019 020	1		w/15" Tuff, Steering Wheel
60	2530 199	1	All	"O" RING, G/Shift Lever
61	9432 156	1	B1,2,3-CB3	PIN, Lever 1/4" x 7/8" Long
	9412 281	1	D1,2	1/4" x 1" Long, Except Tilt Steering Wheel
	152 233	1		3/16 x 7/8", w/Tilt Steering Wheel
62				HOUSING (Refer to Group 19)
63	3878 192	2	All	NUT, Operating Lever
64	3878 193	2	All	WASHER, Lock Operating Lever
65	3878 194	2	All	WASHER, Operating Lever
66	3822 750	1	B1,2,3-CB3	LEVER, G/Shift Operating, First and Reverse - 1978
	3822 706	1	D1,2	1978
	4036 424	1	All	1979
67	3823 202	1	B1,2,3-CB3	LEVER, G/Shift Operating, Second and Third - 1978
	3822 705	1	D1,2	1978
	4036 423	1	All	1979
68	3743 768	2	All	PIN, G/Shift Lever

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CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

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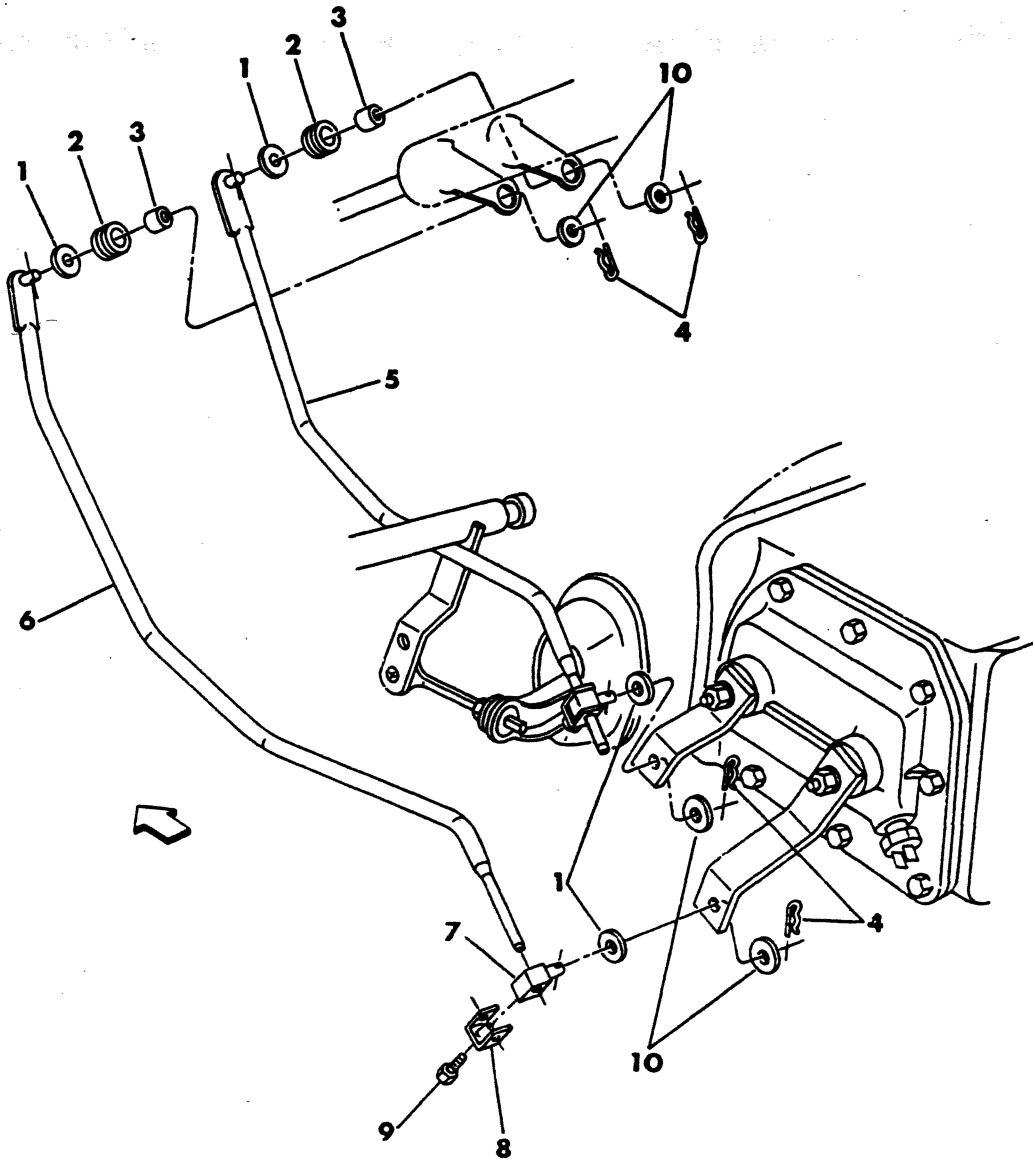
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GEARSHIFT CONTROLS, 3-SPEED COLUMN SHIFT
MODEL A230-A390 MANUAL TRANSMISSION
D1,2 - W1,2 - B1,2,3 - CB3 - AD-AW1

8321 250



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
GEARSHIFT CONTROLS, 3-SPEED COLUMN SHIFT				
MODEL A230-A390 MANUAL TRANSMISSION				
D1,2 - W1,2 - B1,2,3 - CB3 - AD-AW1				
1	2072 643	4	All	WASHER, G/Shift Rod, Spring
2	2781 444	2	All	GROMMET, G/Shift Tube Lever - 1978
	3467 791	2	All	1979
3	2781 445	2	All	BUSHING, G/Shift Tube Lever, Rod
4	6027 983	4	All	CLIP, Rod Retaining Hair Pin
5	3497 706	1	D-W-AD-AW1,2	ROD, Second and Third, w/A230 Trans. - 1978
	3822 716	1	D1,2	w/A390 Trans. - 1978
	4086 708	1	D-W-AD-AW1,2	w/A230-A390 Trans. - 1979
	3822 748	1	B1,2,3-CB3	w/A230-A390 Trans. - 1978
	4036 409	1	B1,2,3-CB3	1979
6	3497 707	1	D-W-AD-AW1,2	ROD, First and Reverse, w/A230 Trans. - 1978
	3822 704	1	D1,2	w/A390 Trans. - 1978
	4086 707	1	D-W-AD-AW1,2	w/A230-A390 Trans. - 1979
	3898 215	1	B1,2,3-CB3	w/A230-A390 Trans. - 1978
	4036 408	1	B1,2,3-CB3	1979
7	2800 802	2	All	SWIVEL, G/Shift Rod - 1978
	3467 790	2	All	1979
8	2204 274	2	All	CLAMP, G/Shift Rod
9	181 082	2	All	SCREW, 5/16-18 x 1/2"
10	631 217	4	All	WASHER, G/Shift Rod, Plain
	3467 791	2	All	GROMMET, G/Shift Rod

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D = Conventional Cab.

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CB-MB = Compact Front Section Only.

W = Conventional Cab 4 Wheel Drive.

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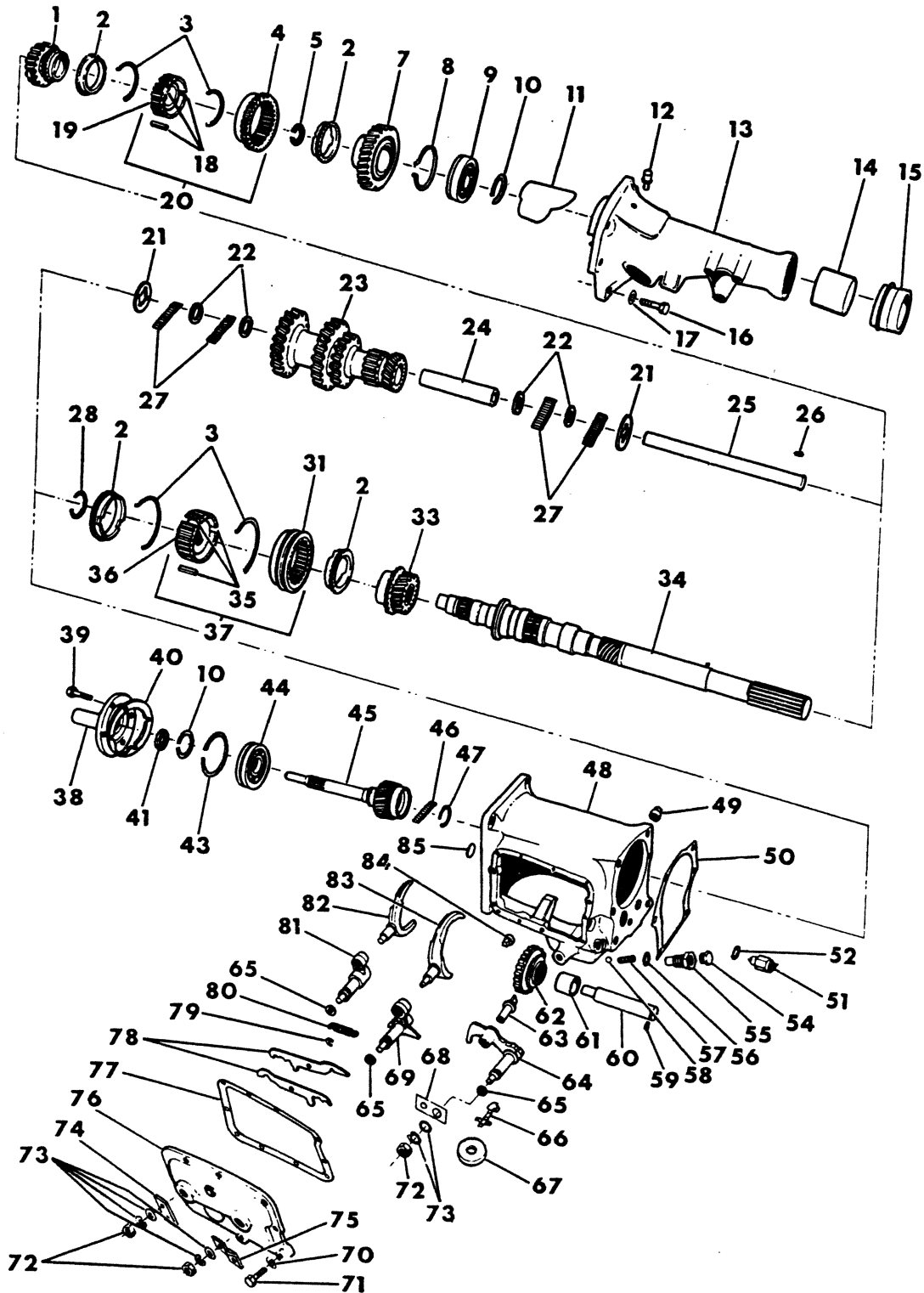
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1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

TRANSMISSION, OVERDRIVE 4-SPEED N.P.G. MODEL A833, B1,2 - D1 - MB2 WITH 225,318 ENGINE

8321 300



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
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**TRANSMISSION, OVERDRIVE 4-SPEED
N.P.G. MODEL A833, B1,2 - D1 - MB2
WITH 225,318 ENGINE**

	4106 552	1		GASKET and SEAL PACKAGE, A833, w/Long Extension, UP TO APPROX. 5-23-1978 ABOVE PACKAGE CONSISTS OF: 1 - 3515383 SEAL, Yoke 1 - 2464059 GASKET, Extension 1 - 2801692 SEAL, Drive Pinion 1 - 2124499 Gasket 1 - 2801893 GASKET, D/Gear Brg. Ret. 1 - 2464037 GASKET, G/Shift Hsg. 3 - 1536267 SEAL, G/Shift Lever 1 - 2464053 GASKET, Detent Spring Ret. 1 - 1316849 SEAL, G/Shift Lever, Rev. 1 - 3515793 RETAINER, G/Shift Lever Rev. 2 - 1302807 GASKET, B/U Switch & Rev. Lvr. 1 - 3515027 Gasket 1 - 4057046 Speedo. Pinion Small Parts Pkg.
	4186 870	1		GASKET and SEAL PACKAGE, A833, w/Long Extension, AFTER APPROX. 5-23-1978 ABOVE PACKAGE CONSISTS OF: 1 - 3515383 SEAL, Yoke 1 - 2464059 GASKET, Extension 1 - 2801692 SEAL, Drive Pinion 1 - 2801893 GASKET, D/Gear Brg. Ret. 1 - 4058673 GASKET, G/Shift Hsg. 3 - 3515793 RETAINER, "O" Ring Seal 3 - 1316849 SEAL, G/Shift Lever Oil 1 - 4057046 Speedo. Pinion Small Parts Pkg.
			D1	TRANSMISSION ASSY. AS PURCHASED No. 4031869, UP TO APPROX. 5-15-1978
			D1	AS PURCHASED No. 4115685, AFTER APPROX. 5-15-1978
			B1,2	TRANSMISSION ASSY. AS PURCHASED No. 4030187, UP TO APPROX. 5-23-1978
			B1,2-MB2	AS PURCHASED No. 4115686, AFTER APPROX. 5-23-1978
	4031 879	1	B1,2-D1	TRANSMISSION ASSY., Model A833, w/LONG EXTENSION, B1,2-D1 w/10" Clutch, w/225 Eng., B1,2-D1 w/10-1/2" Clutch, w/318 Eng.-With Cast Iron Case, UP TO APPROX. 5-23-1978 - SERVICED
	4115 687	1	B1,2-D1-MB2	TRANSMISSION ASSY., With Aluminum Case, AFTER APPROX. 5-23-1978 - SERVICED
1	3878 431	1	All	GEAR, Second Speed
2	3515 023	AR	All	RING, Synch. Stop (4)
3	3515 468	AR	All	SPRING, Synchronizer (4)
4		1	All	SLEEVE (Serviced in Assy. 4130095)
5	6024 131	1	All	SNAP RING, First, Second and Third Speed Gear
7	2464 018	1	All	GEAR, First Speed (S36-L35T)
8	6027 229	1	All	SNAP RING, Bearing Outer
9	2801 890	1	All	BEARING, Mainshaft, Rear
10				SNAP RING, Bearing Inner, 1-1/4" I.D.
	6025 754	AR	All	.088" Thick
	6025 755	AR	All	.091" Thick

LIGHT	A = All Sport Utility (Ramcharger).	B = All Compact Models.	D = Conventional Cab.
DUTY	AD = 2 Wheel Drive Only (Ramcharger).	CB-MB = Compact Front Section Only.	W = Conventional Cab 4 Wheel Drive.
CODES:	AW = 4 Wheel Drive Only (Ramcharger).	P = Forward Control Chassis.	M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

AR=Use as Required

#=New Part Number

Printed in U.S.A.

June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSMISSION, OVERDRIVE 4-SPEED				
N.P.G. MODEL A833, B1,2 - D1 - MB2				
WITH 225,318 ENGINE				
	6025 756	AR	All	.094" Thick
	6025 757	AR	All	.097" Thick
11	2538 785	1	All	BAFFLE, Vent
12	2124 715	1	All	VENT, Breather
13	4028 705	1	All	EXTENSION, Trans. Case
14	2801 724	1	All	BUSHING, Extension
15	3515 383	1	All	SEAL, Ext. Yoke
16	181 140	6	All	SCREW, Ext. 7/16-14 x 1-3/8" (AR)
	181 143	6	All	7/16-14 x 1-3/4" (AR)
17	123 153	6	All	WASHER, Lock 7/16
18		1	All	STRUTS, (Serviced in Synch. Assy. 4130095)
19		1	All	GEAR, (Serviced in Synch. Assy. 4130095)
20	4130 095	1	All	SYNCHRONIZER ASSY., First and Second Speed
21	2538 207	2	All	WASHER, Co/Shaft Gear Thrust
22	2464 743	4	All	WASHER, Co/Shaft Bearing
23	3878 432	1	All	GEAR, Countershaft
24	2464 013	1	All	SPACER, Co/Shaft Bearing
25	4028 123	1	All	COUNTERSHAFT, Trans.
26	1635 293	1	All	KEY, Countershaft
27	2464 744	76	All	ROLLERS, Co/Shaft Gear Bearing
28	6027 246	1	All	SNAP RING, Third and Fourth Synch. Clutch Gear
31		1	All	SLEEVE (Serviced in Synch. Assy. 4130094-984)
33	3878 430	1	All	GEAR, Overdrive
34	4031 871	1	All	MAINSHAFT, Trans.
35			All	STRUTS (Serviced in Synch. Assy. 4130094-984)
36			All	GEAR (Serviced in Synch. Assy. 4130094-984)
37	4130 094	1	All	SYNCHRONIZER ASSY., Third and Overdrive - 1978-79
	4130 984	1	All	1980-81
38	3878 596	1	All	RETAINER, M/Drive Gear Bearing
39	4028 722	4	All	SCREW, M/Drive Gear Brg. Retainer
40	2801 893	1	All	GASKET, M/Drive Gear Brg. Retainer
41	2801 692	1	All	SEAL, M/Drive Gear Brg. Retainer Oil
43	6027 225	1	All	SNAP RING, M/Drive Gear Brg., Outer
44	2801 890	1	All	BEARING, M/Drive Gear, 3.54 O.D., 13/16" Width
45	3743 690	1	All	GEAR, Main Drive, 11" Lg. (23Spl-22T-36T)
46	1949 834	16	All	ROLLERS, M/Drive Gear
47	6024 130	1	All	SNAP RING, Output Shaft Pilot Brg. Roller
48	4106 560	1	All	CASE PKG., Consists of: CASE Alum., LEVER G/S Rev., SEAL Lvr. Shaft, RETAINER Lvr. Seal, Use w/Trans. Service Assy. No. 4031879
	4058 734	1	All	CASE, Trans., Aluminum, Use w/Trans. Service Assy. No. 4115687
49			All	PLUG, Filler 1/2"-14 Pipe (Not Serviced)
50	2464 059	1	All	GASKET, Case Extension
51	3488 270	1	All	SWITCH, B/U Light
52	1302 807	1	All	GASKET, B/U Light Switch
54	1139 153	1	All	PLUG, Rev. Lever Detent
55	2464 052	1	All	RETAINER, Detent Spring
56	2464 053	1	All	GASKET, Detent Spring Retainer
57	3515 344	1	All	SPRING, Use w/Trans. Service Assy. No. 4031879
	4058 677	1	All	Use w/Trans. Service Assy. No. 4115687

LIGHT A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
DUTY AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

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Printed in U.S.A.

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TRANSMISSION, MANUAL **1978-81 LIGHT DUTY TRUCK PARTS CATALOG**

Figure 21M-300
Illus. Page 21M-17

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSMISSION, OVERDRIVE 4-SPEED N.P.G. MODEL A833, B1,2 - D1 - MB2 WITH 225,318 ENGINE				
58	104 920	1	All	Ball, Detent Spring
59	1635 293	1	All	KET, Rev. Idler Gear Shaft Woodruff
60	2464 023	1	All	SHAFT, Reverse Idler Gear
61			All	BUSHING (Serviced w/Gear)
62	2484 073	1	All	GEAR, Reverse Idler, Use w/Trans. Service Assy. No. 4031879
	4058 691	1	All	Use w/Trans. Service Assy. No. 4115687
63	2484 051	1	All	FORK, Reverse Shifter, Use w/Trans. Service Assy. No. 4031879
64	3515 324	1	All	LEVER w/SHAFT, Inner Reverse, w/"O" Ring Groove in Shaft, Use w/Trans. Service Assy. No. 4031879
	4058 842	1	All	w/o "O" Ring Groove in Shaft, Use w/Trans. Service Assy. No. 4031879
	4058 676	1	All	LEVER w/SHAFT And PIN, Inner Reverse, Use w/Trans. Service Assy. No. 4115687
	4058 735	1	All	PIN, Reverse Gearshift And Stop 1 1/2" Long, Use w/Trans. Service Assy. No. 4115687
	6028 261	1	All	PIN, Trans. Clevis, Use w/Trans. Service Assy. No. 4115687
65	1536 267	3	All	SEAL, Lever "O" Ring, Use w/Trans. Service Assy. No. 4031879
	1316 849	3	All	Use w/Trans. Service Assy. No. 4115687
	3515 793	3	All	RETAINER, "O" Ring Seal, Use w/Trans. Service Assy. No. 4115687
66	3743 314	1	All	RETAINER, Magnet, Use w/Trans. Service Assy. No. 4031879
67	3681 601	1	All	MAGNET, Case Chip Collector
68	4031 875	1	D1	LEVER, Operating Reverse
	4030 191	1	B1,2-MB2	
69	3410 542	1	All	LEVER w/SHAFT, Inner First and Second, Stamped Type "A", Use w/Trans. Service Assy. No. 4031879
	3410 543	1	All	Stamped Type "B", Use w/Trans. Service Assy. No. 4031879
	4058 752	1	All	Use w/Trans. Service Assy. No. 4115687
70	121 367	AR	All	WASHER
71			All	BOLT, G/Shift Housing
	4028 723	7	All	5/16"-18 x 7/8"
	4028 724	1	All	5/16"-18 x 1-1/16"
	181 090	2	All	5/16"-18 x 1-1/4"
	181 092	2	All	5/16"-18 x 1-1/2"
72	6028 034	3	All	NUT, Lever
73			All	WASHER
74	4031 873	1	D1	LEVER, Operating Third and Overdrive, Use w/Trans. Service Assy. No. 4031879
	4089 065	1	D1	Use w/Trans. Service Assy. No. 4115687
	4030 189	1	B1,2	Use w/Trans. Service Assy. No. 4031879
	4089 067	1	B1,2-MB2	Use w/Trans. Service Assy. No. 4115687
75	4031 874	1	D1	LEVER, Operating First and Second Speed, Use w/Trans. Service Assy. No. 4031879
	4089 064	1	D1	Use w/Trans. Service Assy. No. 4115687
	4030 190	1	B1,2	Use w/Trans. Service Assy. No. 4031879
	4089 066	1	B1,2-MB2	Use w/Trans. Service Assy. No. 4115687
76	4058 247	1	All	HOUSING, Gearshift, Case, Use w/Trans. Service Assy. No. 4031879
	4028 634	1	All	With Link Gearshift Reverse Interlock, Use w/Trans. Service Assy. No. 4115687
	4028 584	1	All	LINK, Reverse Interlock, Use w/Trans. Service Assy. No. 4115687

LIGHT DUTY CODES: A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

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June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSMISSION, OVERDRIVE 4-SPEED N.P.G. MODEL A833, B1,2 - D1 - MB2 WITH 225,318 ENGINE				
77	2464 037	1	All	GASKET, Housing, Use w/Trans. Service Assy. No. 4031879
	4058 673	1	All	Use w/Trans. Service Assy. No. 4115687
78	4130 067	2	All	LEVER, G/Shift Interlock
	6028 630	1	All	PIN, G/Shift Interlock
79	6023 878	1	All	SNAP RING, Interlock Lever Pin
80	3410 204	1	All	SPRING, G/Shift Interlock
81	3410 168	1	All	LEVER w/SHAFT, Inner Third and Overdrive, Use w/Trans. Service Assy. No. 4031879
	4058 752	1	All	Use w/Trans. Service Assy. No. 4115687
82	3410 038	1	All	FORK, Third and Overdrive
83	3410 141	1	All	FORK, First and Second - 1978
	4130 068	1	All	1979-80-81
84	1859 127	1	All	PLUG, Drain 3/8"-14 Pipe (Not Serviced)
85	117 920		All	PLUG, Expansion 1-1/16" Dia.

LIGHT DUTY CODES: A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
 AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

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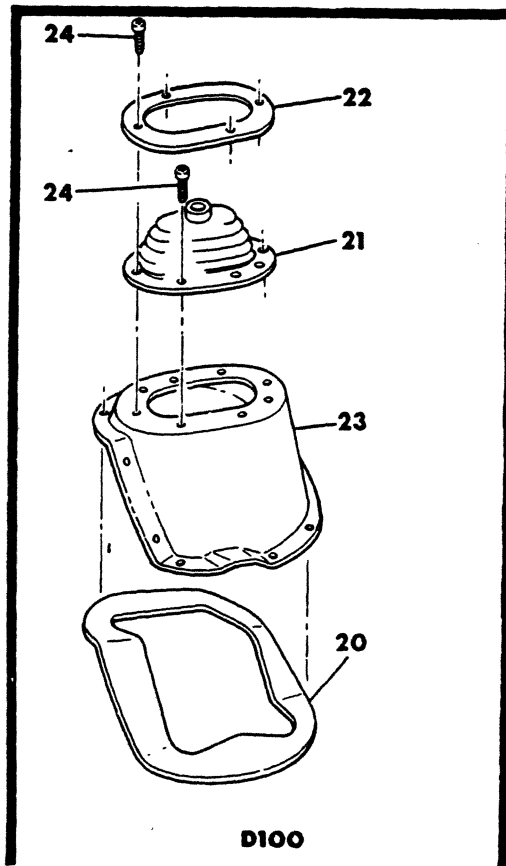
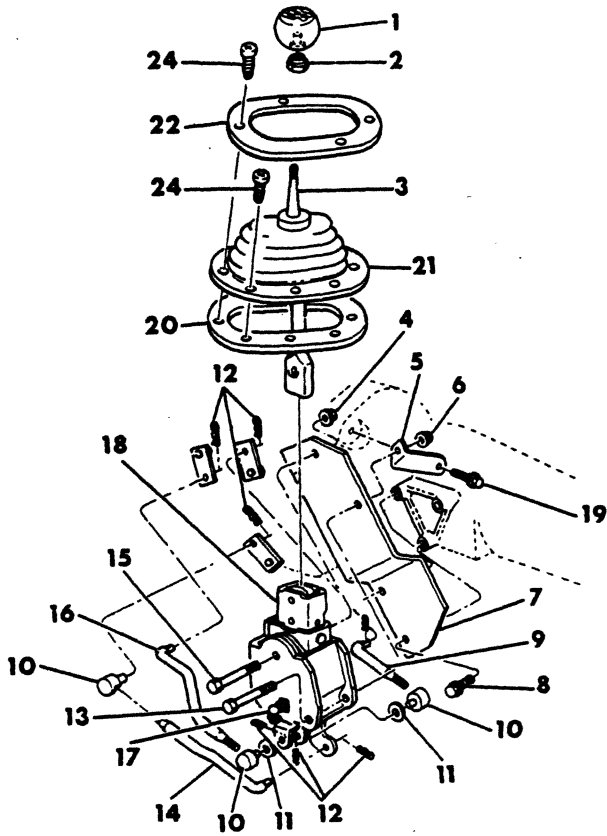
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June, 1982

GEARSHIFT CONTROLS, OVERDRIVE 4-SPEED FLOOR SHIFT
N.P.G. MODEL A833 MANUAL TRANSMISSION
B1,2 - D1 - MB2

8321 400



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
GEARSHIFT CONTROLS, OVERDRIVE 4-SPEED FLOOR SHIFT				
N.P.G. MODEL A833 MANUAL TRANSMISSION				
B1,2 - D1 - MB2				
1	3575 480	1	All	KNOB, G/Shift Lever
2	6026 132	1	All	NUT, G/Shift Lever Knob
3	4030 197	1	B1,2-MB2	LEVER, Gearshift, UP TO APPROX. 6-16-1980
	4188 416	1	B1,2-MB2	AFTER APPROX. 6-16-1980
	4031 900	1	D1	1978-79-80
	4117 088	1	D1	1981
4			All	NUT, 7/16-14
5	4032 653	1	B1,2	STRAP
6	6025 020	1	All	NUT, 3/8-16
7	4030 193	1	B1,2-MB2	PLATE, Shifter Assy. Mtg.
	4031 897	1	D1	
8	181 112	3	All	SCREW, 3/8-16 x 1"
9	4030 194	1	B1,2-MB2	ROD, First and Second Shift Control
	4031 877	1	D1	
10	2409 408	3	All	SWIVEL, G/Shift Rod
11	2072 643	5	All	WASHER, G/Shift Rod Spring
12	6027 983	6	All	CLIP, G/Shift Rod Ret. Hair Pin
13	433 102	1	All	BOLT, 3/8-16 x 3-1/4"
14	4030 196	1	B1,2-MB2	ROD, Reverse Shift Control
	4031 878	1	D1	
15	181 151	1		BOLT, 7/16-14 x 3-1/4"
16	4030 195	1	B1,2-MB2	ROD, Third and Overdrive Shift Control
	4031 876	1	D1	
17		1		FITTING, Grease
18	4019 122	1	All	SHIFTER ASSY., Gearshift
19	181 140	1	All	SCREW, Strap Ext., 7/16-14 x 1-3/8"
20	4038 863	1	B1,2-MB2	SEAL, G/Shift Lever Boot
	4087 367	1	D1	Underbody Trans. Cover to G/Shift Housing
21	3467 764	1	All	BOOT, G/Shift Lever
22	2660 393	1	All	COVER, G/Shift Lever Boot
23	4087 366	1	D1	HOUSING, G/Shift Lever Boot - 1978
	4113 507	1	D1	1979-80-81
24	9415 537	8	All	SCREW, 10-16 x 3/4"

LIGHT A = All Sport Utility (Ramcharger).

DUTY AD = 2 Wheel Drive Only (Ramcharger).

CODES: AW = 4 Wheel Drive Only (Ramcharger).

B = All Compact Models.

CB-MB = Compact Front Section Only.

P = Forward Control Chassis.

D = Conventional Cab.

W = Conventional Cab 4 Wheel Drive.

M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

AR = Use as Required

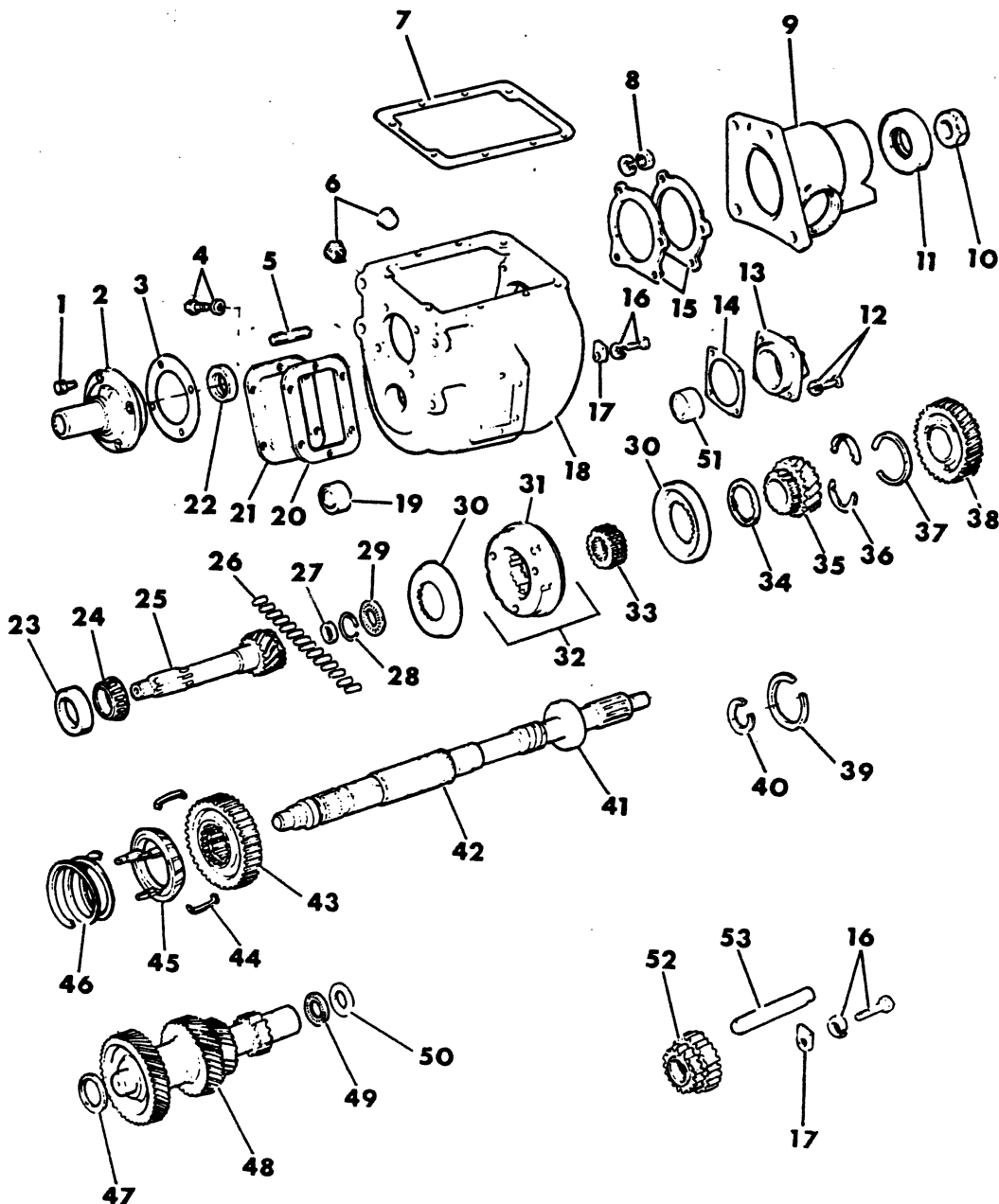
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June, 1982

TRANSMISSION, 4 SPEED, N.P.G. MODEL 435
CASE AND GEARS
D1,2,3,4 - W1,2,3,4 - AW1

8321 500



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
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TRANSMISSION, 4 SPEED, N.P.G. MODEL 435

CASE AND GEARS

D1,2,3,4 - W1,2,3,4 - AW1

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
	3420 071	1	All	GASKET and SEAL PACKAGE, Consists of: 2 - 2826107 Gasket 2 - 0567500 Gasket 1 - 2826106 Seal 1 - 2508000 Gasket 2 - 2909664 Gasket 1 - 2205080 Oil Seal 1 - 2508010 Gasket 1 - 2960307 Gasket
			D	TRANSMISSION ASSY. AS PURCHASED NO. 3894158 D1,2,3,4 (Not Serviced)
			D	TRANSMISSION ASSY. AS PURCHASED NO. 4117920 D1,2,3,4 (Not Serviced)
			W-AW	TRANSMISSION ASSY. AS PURCHASED NO. 3735974 W1,2,3,4 - AW1 (Not Serviced)
			W-AW	TRANSMISSION ASSY. AS PURCHASED NO. 4116405 W1,2,3,4 - AW1 (Not Serviced)
	2952 805	1	D1,2,3,4	TRANS. ASSY. 435, (6.68 to 1 Ratio in Low) SERVICED, For As Purchased Assy. No. 3894158
	4210 629	1	D1,2,3,4	TRANS. ASSY. 435, (6.68 to 1 Ratio in Low) SERVICED, For As Purchased Assy. No. 4117920
	3822 278	1	W1,2,3,4-AW1	TRANS. ASSY. 435, (6.69 to 1 Ratio in Low) SERVICED, For As Purchased Assy. No. 3735974
	4210 628	1	W1,2,3,4-AW1	TRANS. ASSY. 435, (6.69 to 1 Ratio in Low) SERVICED, For As Purchased Assy. No. 4116405
1	1920 101	4	All	SCREW, M/Drive Gear Brg. Retainer
2	2830 962	1	All	RETAINER, M/Drive Gear Bearing
3	2826 107	2	All	GASKET, M/Drive Gear Brg. Retainer
4		6	All	SCREW, P.T.O. Cover 3/8-16 x 5/8"
5	3497 049	4	All	STUD, Extension to Case Mtg.
6		2	All	PLUG, Filler and Drain 3/4"-14 Pipe
7	2508 010	1	All	GASKET, Gearshift Cover
8	137 545	4	All	NUT, 1/2"-20
9	2952 482	1	D	EXTENSION, Case (Use w/Trans. Service Assy. No. 2952805)
	4164 029	1	D	(Use w/Trans. Service Assy. No. 4210629)
	3822 277	1	W-AW	ADAPTER, Case (Use w/Trans. Service Assy. No. 3822278)
	4210 977	1	W-AW	ADAPTER, Case (Use w/Trans. Service Assy. No. 4210628)
	4210 514	1	W-AW	DOWEL, Trans. Adapter
10			All	NUT, Yoke (Refer to Group 16)
11	2205 080	1	All	OIL SEAL, Case Extension
12	1673 185	4	All	SCREW w/WASHER, Co/Shaft Retainer
13	2507 999	1	All	RETAINER, Co/Shaft Rear Bearing
14	2508 000	1	All	GASKET, Retainer
15	2909 664	1	All	GASKET, Extension or Adapter
16		1	All	SCREW, Rev. Idler Lock Plate
17	1266 009	1	All	PLATE, Rev. Idler Shaft Lock
18	3641 881	1	All	CASE, Trans. w/Magnetic Chip Collector (Use w/Trans. Service Assy. No. 2952805, 3822278)

LIGHT A = All Sport Utility (Ramcharger).

B = All Compact Models.

D = Conventional Cab.

DUTY AD = 2 Wheel Drive Only (Ramcharger).

CB-MB = Compact Front Section Only.

W = Conventional Cab 4 Wheel Drive.

CODES: AW = 4 Wheel Drive Only (Ramcharger).

P = Forward Control Chassis.

M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

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= New Part Number

Printed in U.S.A.

June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSMISSION, 4 SPEED, N.P.G. MODEL 435				
CASE AND GEARS				
D1,2,3,4 - W1,2,3,4 - AW1				
	3641 882	1	All	(Use w/Tran. Service Assy. No. 4210628-629)
	3681 601	1	All	MAGNET, Chip Collector
	3743 314	1	All	CLIP, Magnet
	181 188	4	All	SCREW, Trans. Case to Clutch Hsg., 9/16-12 x 1-3/4"
19	4117 651	1	All	BEARING, Co/Shaft, Front, Needle
20	567 500	2	All	GASKET, P.T.O. Cover
21	556 875	2	All	COVER, P.T.O.
22	2826 106	1	All	OIL SEAL, Brg. Retainer
23	2070 319	1	All	CUP, M/Drive Gear Bearing
24	2070 318	1	All	CONE w/ROLLERS, M/Drive Gear Bearing
25	2909 382	1	All	GEAR, Main Drive 10-7/8" Long (S21-L17T)
				SHIM, M/Drive Gear Brg. Retainer
	2826 109	AR	All	Thin
	2826 110	AR	All	Thick
	2960 185	AR	All	Extra Thick
26	1664 327	14	All	ROLLER, M/Shaft Pilot Bearing
27	2507 826	1	All	WASHER, Pilot Bearing
28	2507 827	1	All	SNAP RING, Pilot Brg. Washer
29	2826 115	1	All	BEARING, Clutch Gear Thrust
30	3637 172	2	All	RING, Stop Third and Fourth Speed, Outer
31	2960 556	1	All	CLUTCH, Third and Fourth Speed Sliding, w/o Inner Rings
32	3641 047	1	All	SYNCHRONIZER, Third and Fourth Speed, w/o Outer Stop Rings
33	2826 114	1	All	GEAR, Third and Fourth Speed Clutch
34				SHIM, Third Speed Gear,
	1664 325	AR	All	.009 - .011 Thick
	1664 326	AR	All	.014 - .016 Thick
35	2507 835	1	All	GEAR, Third Speed (S24-L23T)
36	1664 321	1	All	SNAP RING, Second Speed Gear, Split
37	2507 843	1	All	SNAP RING, Second Speed Synch.
38	2507 836	1	All	GEAR, Second Speed (S27-L23T)
39		1	All	SNAP RING, M/Shaft Rear Brg. (Serviced w/Brg.)
40	2507 820	1	All	SNAP RING, M/Shaft Rear Brg., Retaining
41	1937 924	1	All	BEARING w/SNAP RING, M/Shaft Rear
	1672 194	1	All	Extension
42	2952 481	1	D	MAINSHAFT, (Use w/Trans. Service Assy. No. 2952805,4210629)
				17-3/8" Lg. (S34-10-23Spl)
	3822 276	1	W-AW	(Use w/Trans. Service Assy. No. 3822278)
	4210 517	1	W-AW	(Use w/Trans. Service Assy. No. 4210628)
	2507 844	1	All	SPACER, M/Shaft 2" I.D., 3/8" Thick
43	2829 821	1	All	GEAR w/SPRING, First and Rev. Sliding (37 Teeth)
44	2829 823	2	All	SPRING, First and Reverse Dampening
45	2507 839	1	All	RING, Stop, Second Speed Inner
46	2507 842	1	All	SPRING, Second Speed Synch.
47	2507 995	1	All	WASHER, Co/Shaft Front Brg. Thrust
48	2507 803	1	All	COUNTERSHAFT, 11-1/4" Lg. (S43-R25-35-S14T)
49	2507 996	1	All	BEARING, Co/Shaft Rear Thrust
50	2507 997	1	All	RACE, Co/Shaft Rear Thrust Brg.
51	2225 014	1	All	BEARING, Co/Shaft Rear
52	3492 424	1	All	GEAR w/BUSHING, Rev. Idler (S17-21T)

LIGHT A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
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CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

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June, 1982

TRANSMISSION, MANUAL **1978-81 LIGHT DUTY TRUCK PARTS CATALOG**

Figure 21M-500
Illus. Page 21M-25

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
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**TRANSMISSION, 4 SPEED, N.P.G. MODEL 435
CASE AND GEARS
D1,2,3,4 - W1,2,3,4 - AW1**

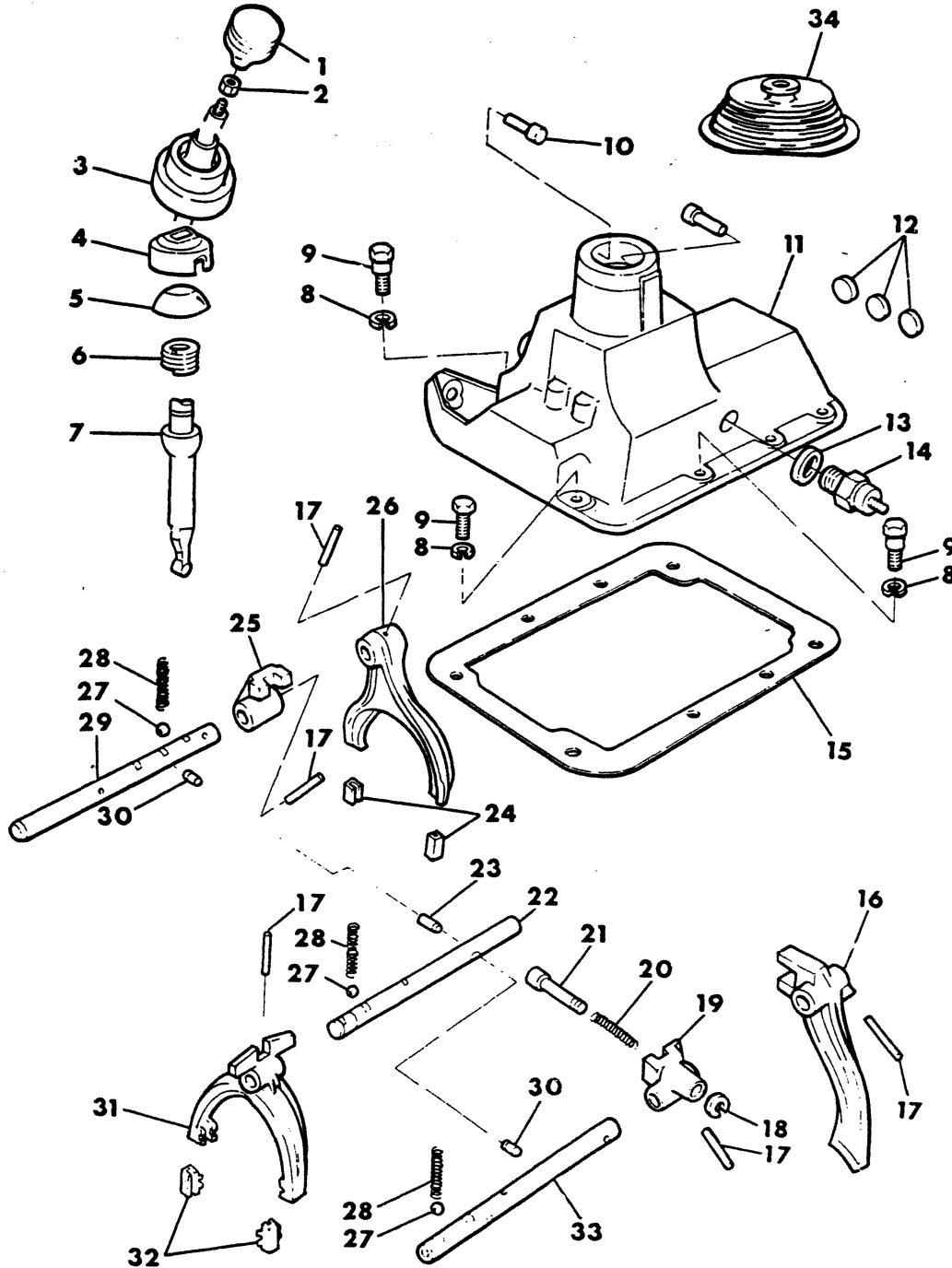
53	1266 008	1	All	SHAFT, Rev. Idler 5-3/8" Long .9880 Dia.
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LIGHT	A = All Sport Utility (Ramcharger).	B = All Compact Models.	D = Conventional Cab.
DUTY	AD = 2 Wheel Drive Only (Ramcharger).	CB-MB = Compact Front Section Only.	W = Conventional Cab 4 Wheel Drive.
CODES:	AW = 4 Wheel Drive Only (Ramcharger).	P = Forward Control Chassis.	M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

GEARSHIFT CONTROLS, 4 SPEED FLOOR SHIFT
N.P.G. MODEL 435 MANUAL TRANSMISSION
D1,2,3,4 - W1,2,3,4 - AW1

8321 600A.



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
GEARSHIFT CONTROLS, 4 SPEED FLOOR SHIFT				
N.P.G. MODEL 435 MANUAL TRANSMISSION				
D1,2,3,4 - W1,2,3,4 - AW1				
1	42 971	1	All	KNOB, G/Shift Lever - 1978-79
	4164 992	1	All	1980-81
2	124 925	1	All	NUT, G/Shift Lever Knob 3/8-24
3	2227 108	1	All	BOOT, G/Shift Lever, Rubber 3" Dia.
4	1936 220	1	All	RETAINER, G/Shift Lever Ball Spring
5	1936 218	1	All	CUP, G/Shift Lever Ball Spring
6	1936 219	1	All	SPRING, G/Shift Lever Ball
7	3634 587	1	D-W-AW	LEVER, Gearshift, Up To Approx. 4-18-1978
	3736 419	1	D-W-AW	After Approx. 4-18-1978
	4116 392	1	D-W-AW	LEVER, G/Shift w/Rattle Isolator - 1980
	4188 402	1	D-W-AW	1981
	4116 394	1	All	SLEEVE, G/Shift Lever - 1980-81
	6031 583	1	All	"O" RING, G/Shift Lever - 1980-81
8	6023 050	2	All	WASHER, Split 3/8
9	181 112	6	All	SCREW w/WASHER, Cover 3/8-16 x 1"
	1664 345	2	All	Shouldered 3/8-16 x 1-1/8"
10	3633 461	2	All	PIN, Lever Guide
11	3634 686	1	All	COVER, G/Shift Lever w/Pins and Plugs
12	142 656	3	All	PLUG, Rail Hole Expansion 3/4"
13	1302 807	1	All	GASKET, B/U Light Switch
14	3488 270	1	All	SWITCH, B/U Light
15	2508 010	1	All	GASKET, G/Shift Cover
16	2508 017	1	All	FORK, Reverse Shift
17	1664 355	5	All	PIN, Fork to Rail Roll
18	313 514	1	All	SNAP RING, Rev. Latch Plunger
19	1933 509	1	All	LUG, Reverse Shift Rail
20	567 499	1		SPRING, Plunger, Use w/Trans. Service Assy. No. 2952805-3822278
	2960 304	1		Use w/Trans. Service Assy. No. 4210628-629
21	1500 335	1	All	PLUNGER, Reverse Latch
22	2508 011	1	All	RAIL, Third and Fourth Speed Shift
23	1265 694	1	All	PIN, Rail Interlock
24	2514 621	1	All	INSERT, First and Second Speed Shift Fork
25	2508 018	1	All	LUG, First and Second Speed Shift Rail
26	2514 619	1	All	FORK, First and Second Speed Shift
27	147 500	3	All	BALL, Spring Poppet 3/8" Dia.
28	1409 551	3	All	SPRING, Poppet Ball
29	2508 013	1	All	RAIL, First and Second Speed Shift
30	556 882	2	All	PLUNGER, Interlock
31	2508 015	1	All	FORK, Third and Fourth Speed Shift
32	1923 518	2	All	INSERT, Third and Fourth Speed Shift Fork
33	2829 535	1	All	RAIL, Reverse Speed Shift
34	2224 187	1	All	BOOT, Under Body Trans. Cover Shift Lever, Rubber 6-1/2" x 7-1/2"

LIGHT DUTY CODES:
 A = All Sport Utility (Ramcharger).
 AD = 2 Wheel Drive Only (Ramcharger).
 AW = 4 Wheel Drive Only (Ramcharger).

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 CB-MB = Compact Front Section Only.
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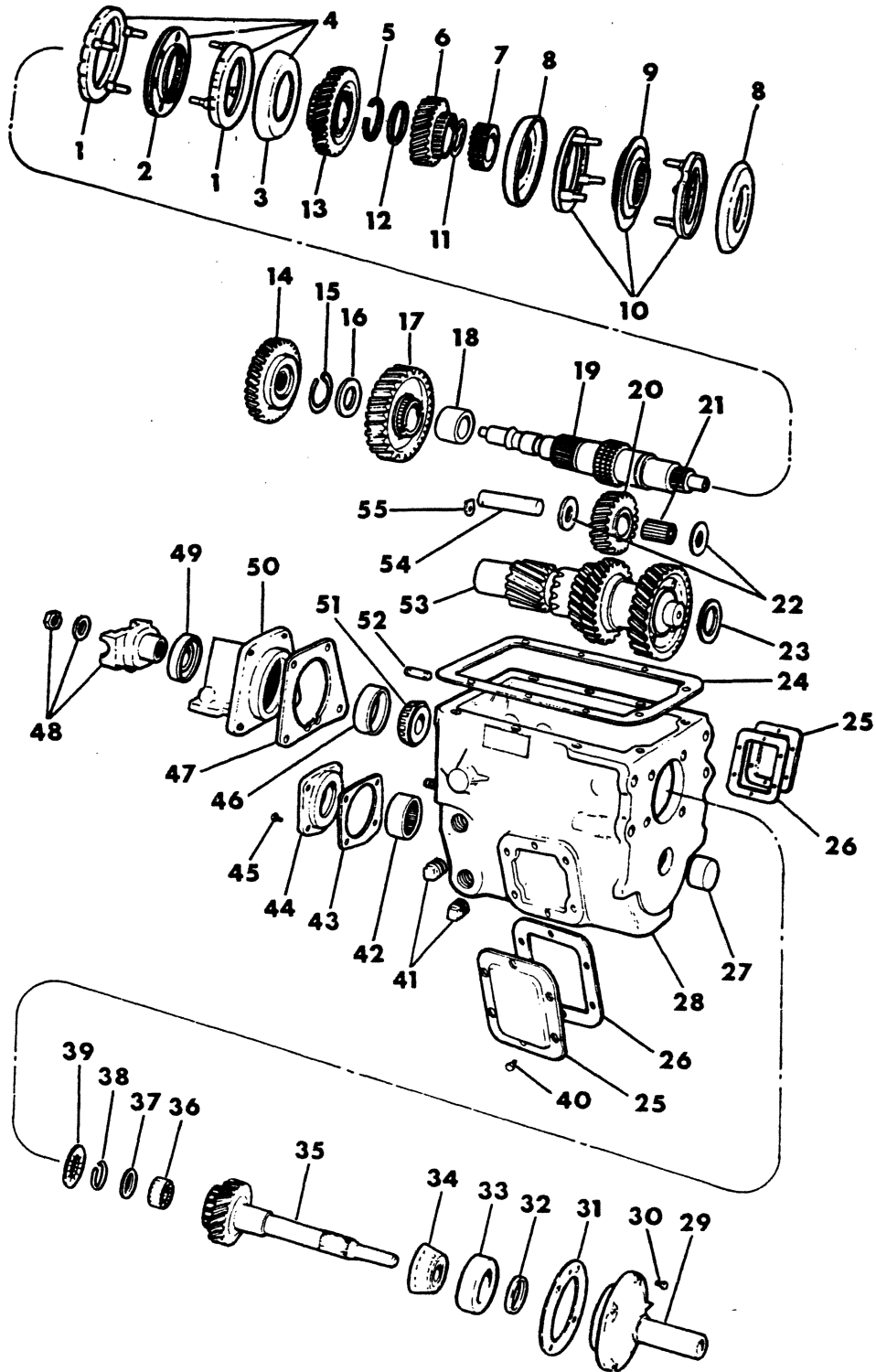
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Printed in U.S.A.

June, 1982

TRANSMISSION, 4 SPEED - N.P.G. MODEL 445
CASE AND GEARS
D1,2,3,4 - W1,2,3,4 - AW1

8321 70C



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSMISSION, 4 SPEED - N.P.G. MODEL 445				
CASE AND GEARS				
D1,2,3,4 - W1,2,3,4 - AW1				
	3420 071	1	All	GASKET and SEAL PACKAGE Consists of: 2 - 2826107 Gasket 2 - 0567500 Gasket 1 - 2826106 Seal 1 - 2508000 Gasket 2 - 2909664 Gasket 1 - 2205080 Oil Seal 1 - 2508010 Gasket 1 - 2960307 Gasket
			D	TRANSMISSION ASSY. AS PURCHASED No. 3894157, D1,2,3,4 (Not Serviced)
			W-AW	TRANSMISSION ASSY. AS PURCHASED No. 3735975, W1,2,3,4-AW1 (Not Serviced)
	3633 462	1	D1,2,3,4	TRANS. ASSY. 445, (4.56 to 1 Ratio in Low) SERVICED
	3822 550	1	W1,2,3,4-AW1	TRANS. ASSY. 445, (4.56 to 1 Ratio in Low) SERVICED
1	2960 596	2	All	RING, Stop First and Second Speed, Inner
2	3492 412	1	All	CLUTCH, First and Second Speed Sliding, w/o Anti-Rattle Springs, Up To Approx. 5-29-1979 After Approx. 5-29-1979
3	4210 465	1	All	RING, Stop First and Second Speed, Outer
4	1664 836	1	All	SYNCHRONIZER Assy., First and Second Speed
5	3492 411	1	All	SNAP RING, Second Speed Gear
6	2960 187	1	All	GEAR, Third Speed (S24-L25T)
7	2513 846	1	All	GEAR, Third and Fourth Speed Clutch
8	2826 114	1	All	RING, Stop Third and Fourth Speed, Outer
9	3637 172	2	All	CLUTCH, Third and Fourth Speed Sliding
10	2960 556	1	All	SYNCHRONIZER, Third and Fourth, w/o Outer Stop Rings
11	3641 047	1	All	SHIM, Third Speed Gear, .009 - .011 Thick .014 - .016 Thick
12	1664 325	AR	All	WASHER, Second Speed Gear Thrust
13	1664 326	AR	All	GEAR, Second Speed (S28-L33T)
14	2960 188	1	All	GEAR, Reverse Speed (R28Spl-R33T)
15	2955 760	1	All	SNAP RING, Thrust Washer Retaining
16	2955 762	1	All	WASHER, First Speed Gear Thrust
17	2960 191	1	All	GEAR w/BUSHING, First Speed (37 Teeth)
18	2960 189	1	All	BUSHING, First Speed Gear
19	2960 190	1	All	MAINSHAFT, (Use w/Trans. Assy. No. 3633462) 17-3/16" Lg. (S35-R38-S23Spl-S28T) (Use w/Trans. Assy. No. 3822550)
20	2955 759	1	All	GEAR, Rev. Idler (21 Teeth)
21	2960 197	21	All	ROLLERS, Rev. Idler Gear
22	2960 196	2	All	WASHER, Rev. Idler Gear Thrust
23	2507 995	1	All	WASHER, Co/Shaft Brg. Front Thrust
24	2960 307	1	All	GASKET, Gearshift Cover
25	556 875	2	All	COVER, P.T.O. Opening
26	567 500	2	All	GASKET, P.T.O. Cover
27	2960 826	1	All	BEARING, Co/Shaft Front

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W = Conventional Cab 4 Wheel Drive.

CODES: AW = 4 Wheel Drive Only (Ramcharger).

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June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
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TRANSMISSION, 4 SPEED - N.P.G. MODEL 445
CASE AND GEARS
D1,2,3,4 - W1,2,3,4 - AW1

28	3641 888	1	All	CASE, w/Magnetic Chip Collector
	181 188	4	All	SCREW, Trans. Case to Clutch Hsg., 9/16-12 x 1-3/4"
29	2830 962	1	All	RETAINER, M/Drive Gear Brg.
30	1920 101	4	All	SCREW, M/Drive Gear Brg. Retainer
31	2826 107	1	All	GASKET, M/Drive Gear Brg. Retainer
32	2826 106	1	All	OIL SEAL, M/Drive Gear Brg. Retainer
33	2070 319	1	All	CUP, M/Drive Gear Bearing
34	2070 318	1	All	CONE w/ROLLERS, Bearing
35	2909 384	1	All	GEAR, M/Drive, 10-7/8" Long (S21-L22T)
			All	SHIM, M/Drive Gear Brg. Retainer
	2826 109	AR	All	Thin
	2826 110	AR	All	Thick
	2960 185	AR	All	Extra Thick
36	1664 327	14	All	ROLLERS, M/Shaft Pilot Bearing
37	2507 826	1	All	WASHER, Pilot Bearing
38	2507 827	1	All	SNAP RING, Pilot Brg. Washer
39	2826 115	1	All	BEARING, Third and Fourth Speed Clutch Gear Thrust
40		6	All	SCREW, P.T.O. Cover 3/8-16 x 5/8"
41		2	All	PLUG, Filler and Drain 3/4" -14 Pipe
42	2225 014	1	All	BEARING, Co/Shaft Rear
43	2508 000	1	All	GASKET, Co/Shaft Rear Brg. Retainer
44	2507 999	1	All	RETAINER, Co/Shaft Rear Bearing
45	1673 185	4	All	SCREW w/WASHER, Retainer
46	2467 103	1	All	CUP, M/Shaft Rear Bearing
47	2909 664	1	All	GASKET, Extension and Adapter
48				YOKE, WASHER and NUT (Refer to Group 16)
49	2205 080	1	All	OIL SEAL, Rear Extension (Use w/Trans. Assy. No. 3633462)
50	3633 460	1	All	EXTENSION, Case (Use w/Trans. Assy. No. 3633462)
	3822 548	1	All	ADAPTER, Case to Transfer Case (Use w/Trans. Assy.No. 3822550)
51	2960 193	1	All	CONE, M/Shaft Rear Bearing
52	3497 049	4	All	STUD, Case to Adapter or Extension
	3634 696	1	All	STUD, Long
53	2955 763	1	All	COUNTERSHAFT, 13-11/32" Lg. (R98-33-25-14T)
54	2960 198	1	All	SHAFT, Rev. Idler Gear, 4-13/32" Long (1.075 Dia.)
55	1266 009	1	All	PLATE, Rev. Idler Shaft Lock
	3681 601	1	All	MAGNET, Case Chip Collector
	3743 314	1	All	CLIP, Chip Collector Magnet

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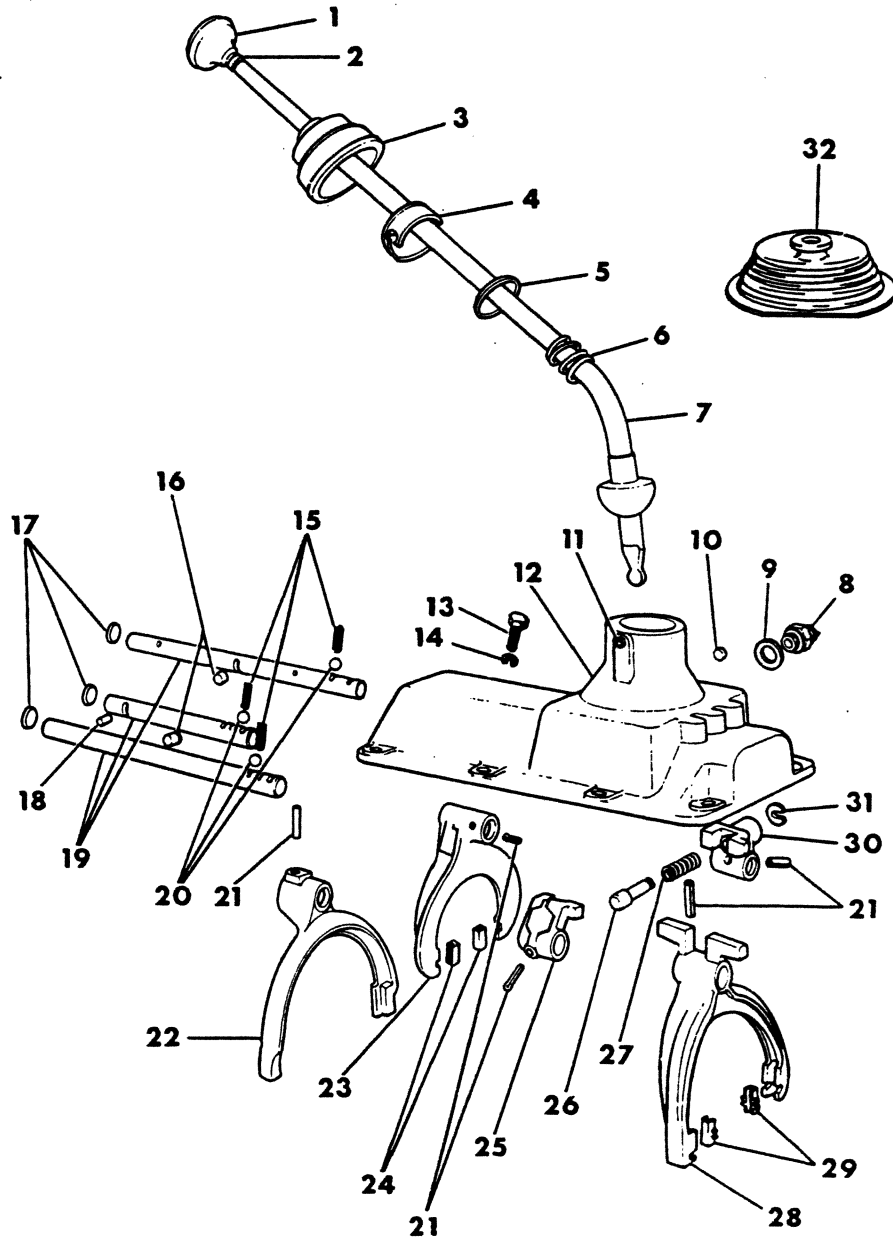
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June, 1982

GEARSHIFT CONTROLS, 4 SPEED FLOOR SHIFT
N.P.G. MODEL 445 MANUAL TRANSMISSION
D1,2,3,4 - W1,2,3,4 - AW1

8321 800A



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
GEARSHIFT CONTROLS, 4 SPEED FLOOR SHIFT				
N.P.G. MODEL 445 MANUAL TRANSMISSION				
D1,2,3,4 - W1,2,3,4 - AW1				
1	42 971	1	All	KNOB, G/Shift Lever
2	124 925	1	All	NUT, G/Shift Lever Knob 3/8-24
3	2227 108	1	All	BOOT, G/Shift Lever, Rubber 3" Dia.
4	1936 220	1	All	RETAINER, G/Shift Lever Ball Spring
5	1936 218	1	All	CUP, G/Shift Lever Ball Spring
6	1936 219	1	All	SPRING, G/Shift Lever Ball
7	3497 245	1	D-W-AW	LEVER, Gearshift, Up To Approx. 4-24-1978
	4089 140	1	D-W-AW	After Approx. 4-24-1978
8	3488 270	1	All	SWITCH, B/U Light
9	1302 807	1	All	GASKET, B/U Light Switch
10	928 178	1	All	PLUG, G/Shift Rail Interlock
	1139 153	1	All	B/U Light Switch Hole
11	3633 461	2	All	PIN, G/Shift Lever Guide
12	3633 463	1	All	COVER w/PINS and PLUGS, G/Shift Lever
13	1673 185	6	All	SCREW w/WASHER, Cover 3/8-16 x 7/8"
	1664 345	2	All	Shouldered 3/8-16 x 1-1/8"
14	6023 050	2	All	WASHER, Split, 3/8
15	1409 551	3	All	SPRING, Rail Poppet Ball
16	556 882	2	All	PLUNGER, Interlock
17	142 656	3	All	PLUG, Expansion 3/4"
18	1265 694	1	All	PIN, Rail Interlock
19	2960 199	1	All	RAIL, First and Second Speed Shift
	3496 471	1	All	Third and Fourth Speed Shift
	2960 301	1	All	Reverse Speed Shift
20	147 500	3	All	BALL, Spring Poppet 3/8"
21	1664 355	5	All	PIN, Fork to Rail Roll
22	2955 765	1	All	FORK, First and Second Speed Shift
23	2960 302	1	All	FORK, Reverse Shift
24	2514 621	2	All	INSERT, Reverse Shift Fork
25	2508 018	1	All	LUG, First and Second Speed Shift Rail
26	1500 335	1	All	PLUNGER, Reverse Latch
27	2960 304	1	All	SPRING, Rev. Latch Plunger
28	2508 015	1	All	FORK, Third and Fourth Speed Shift
29	1923 518	2	All	INSERT, Third and Fourth Speed Shift Fork
30	1933 509	1	All	LUG, Reverse Shift Rail
31	313 514	1	All	SNAP RING, Rev. Latch Plunger
32	2224 187	1	All	BOOT, Under Body Trans. Cover Shift Lever, Rubber 6-1/2" x 7-1/2"

LIGHT A = All Sport Utility (Ramcharger).

B = All Compact Models.

D = Conventional Cab.

DUTY AD = 2 Wheel Drive Only (Ramcharger).

CB-MB = Compact Front Section Only.

W = Conventional Cab 4 Wheel Drive.

CODES: AW = 4 Wheel Drive Only (Ramcharger).

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M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

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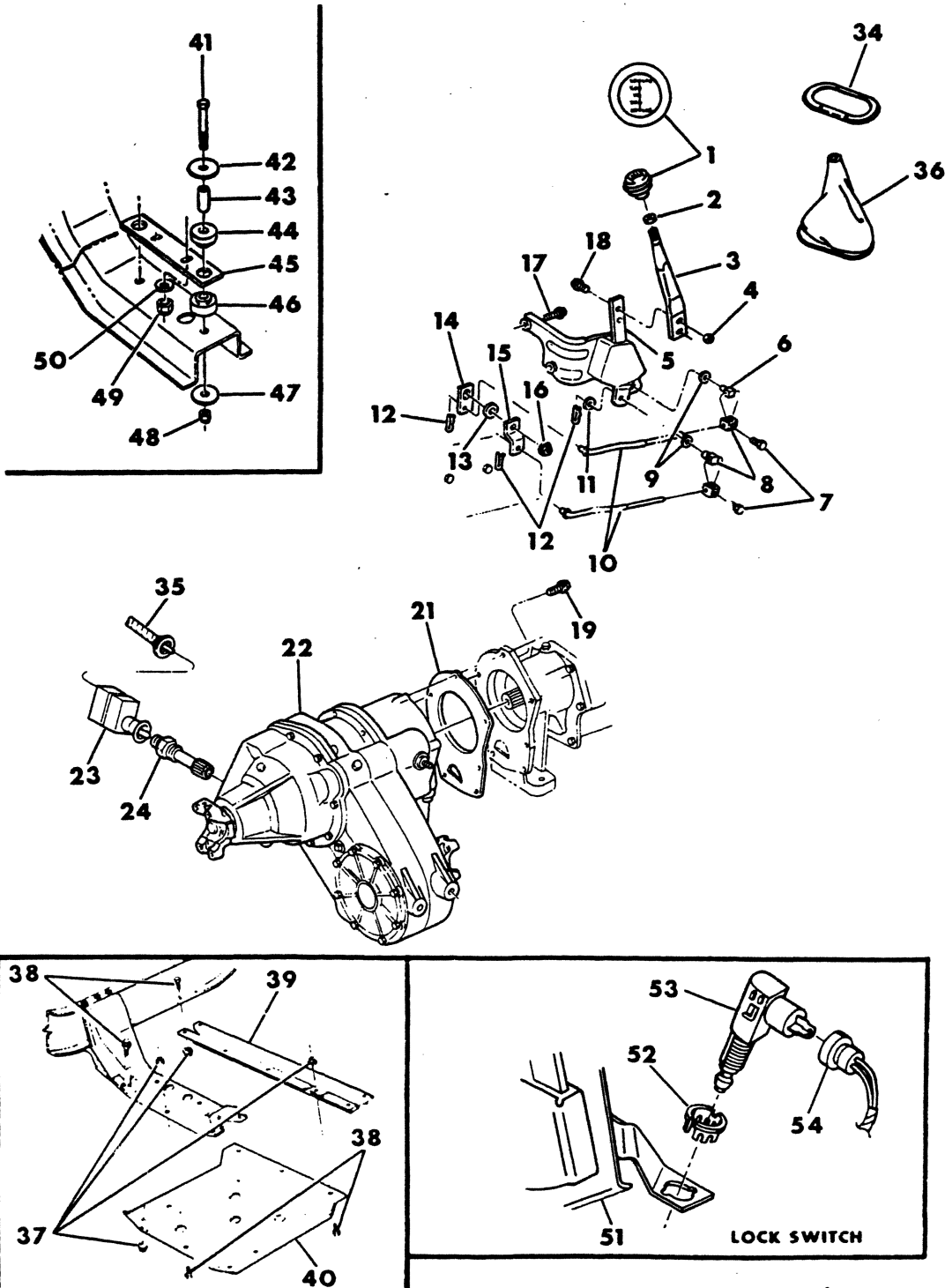
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June, 1982

TRANSFER CASE, N.P.G. MODEL 203
CASE, CONTROLS AND MOUNTING
W1,2,3,4 - AW1 - 1978-79

8321 900B



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE, N.P.G. MODEL 203 CASE, CONTROLS AND MOUNTING W1,2,3,4 - AW1 - 1978-79				
	4057 003	1	W1,2,3,4-AW1	GASKET and SEAL PACKAGE, Consists Of: 1 -1092545 Gasket 1 -3821353 Seal 1 -3820884 Seal 1 -3821390 Oil Seal 1 -1536267 Seal 1 -3894484 Gasket 1 -3515027 Gasket 1 -3821395 Oil Seal 1 -0517351 Gasket 1 -3894485 Seal 1 -3820890 Gasket 1 -3894487 Seal 1 -3820897 Gasket 1 -3821401 Oil Seal 1 -3821402 Gasket 1 -4057006 Oil Seal 1 -3821406 Gasket
			W-AW	TRANSFER CASE, As Purchased No. 3898654 (Not Serviced)
			W-AW	TRANSFER CASE, As Purchased No. 4115062 (Not Serviced) AFTER APPROX. 12-17-1977
22	3821 413	1	W1,2,3,4-AW1	TRANSFER CASE ASSEMBLY, SERVICED, Use With As Purchased Assy. No. 3898654
	4116 318	1	W1,2,3,4-AW1	TRANSFER CASE ASSEMBLY, SERVICED, Use With As Purchased Assy. No. 4115062
1	4039 697	1	All	KNOB, G/Shift Lever
2	124 925	1	All	NUT, 3/8-24
3	4039 699	1	All	LEVER, Hurst Gearshift
4	118 615	2	All	NUT, 3/8-16
5	4039 698	1	All	SHIFTER ASSY., Hurst
6	2800 802	2	All	SWIVEL, Control Shift Rod
7	181 082	2	All	SCREW, 5/16-18 x 1/2"
8	2204 274	2	All	CLAMP, Shift Rod Swivel
9	2072 643	2	All	WASHER, Shift Rod Swivel, Spring
10	3820 045	2	All	ROD, Control Shift
11	631 217	2	All	WASHER, Plain
12	6027 983	4	All	CLIP, Shift Rod Retaining
13	6030 565	1	All	RING, Shift Lever Retaining
14	3820 044	1	All	LEVER, Lockout Shift, Lower-Flat
15	3820 043	1	All	LEVER, Range Shift
16	152 363	1	All	NUT, Lock 5/16-24
17	6031 623	2	All	SCREW, 3/8-16 x 1-3/4"
18	180 124	2	All	BOLT, 3/8-16 x 1-1/4"
19	180 124	5	All	SCREW, 3/8-16 x 1-1/4"
20			All	ADAPTER, (See Following Illus. Page)
21	3821 477	1	All	GASKET, Adapter to Transfer Case
23			All	ADAPTER, Speedo. (Refer to Speedo. Cable and Pinion Chart)
24			All	PINION, Speedo. (Refer to Speedo. Cable and Pinion Chart)
34	4082 056	1	All	RETAINER, Boot Hold Down, Bright Finish
35			All	CABLE, Speedo. (Refer to Speedo. Cable and Pinion Chart)
36	4083 539	1	All	BOOT, Shift Control Lever, Vinyl - 1978
	4113 509	1	All	1979
37	271 502	8	All	NUT, 7/16-14
38	181 138	8	All	BOLT, 7/16-14
39	3823 815	1	All	CROSSMEMBER, Transfer Case Skid Plate
40	3827 420	1	All	PLATE, Transfer Case Skid

LIGHT DUTY CODES: A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
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AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

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Printed in U.S.A.

June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE, N.P.G. MODEL 203 CASE, CONTROLS AND MOUNTING W1,2,3,4 - AW1 - 1978-79				
41	271 885	2	All	BOLT, 5/8-11 x 3-1/4"
42		4		WASHER, (Not Serviced)
43		2		SPACER (Not Serviced)
44	3820 921	2	All	INSULATOR, Upper
45	3820 924	1	All	PLATE, Insulator Mtg.
46	3822 897	2	All	INSULATOR, Lower
47		1	All	WASHER (Not Serviced)
48	152 372	4	All	NUT, 5/8-11
49	152 372	1	All	NUT, 5/8-11
50	6028 776	2	All	WASHER
51			All	SHIFTER ASSY. (See Item No. 5)
52	3895 690	1	All	CLIP, Switch Retaining
53	3895 689	1	All	SWITCH, Lock Warning
54	3895 692	1	All	WIRING, Lock Switch To Bulkhead

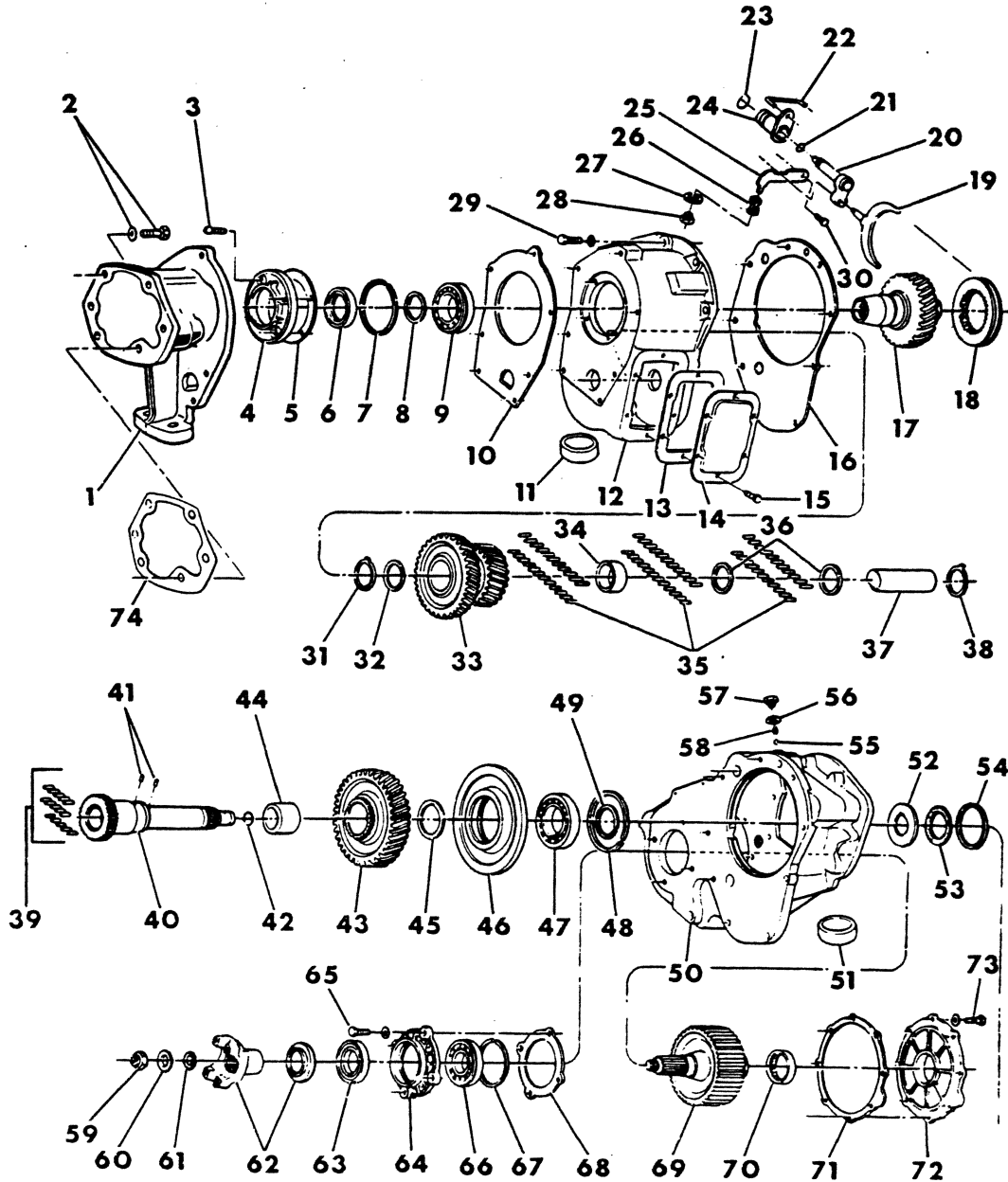
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TRANSFER CASE, N.P.G. MODEL 203
CASE AND GEARS
W1,2,3,4 - AW1 - 1978-79

8321 1000



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE, N.P.G. MODEL 203				
CASE AND GEARS				
W1,2,3,4 - AW1 - 1978-79				
1	3743 285	1	All	ADAPTER, Transfer Case, Use w/A727 Trans.
	3743 311	1	All	w/A230 Trans.
	3822 277	1	All	w/435 Trans.
	3822 548	1	All	w/445 Trans.
2				SCREW w/WASHER, Trans. Case to Adapter,
	6030 849	6	All	w/A727 Trans.
	454 467	6	All	w/A230 Trans., 3/8-16 x 1-3/4"
	3497 049	4	All	STUD, w/435,445 Trans.
3	3820 898	4	All	SCREW, Retainer
4	3820 895	1	All	RETAINER, Input D/Gear Bearing
5	3820 897	1	All	GASKET, Brg. Retainer
6	4057 006	1	All	SEAL, Input D/Gear, 2 9/16" O.D., 2" I.D.
7				SNAP RING, (Serviced w/Bearing 3820892)
8				SNAP RING, Input Drive Gear
	2960 192	AR	All	A
	3821 557	AR	All	B
	3821 558	AR	All	C
	3821 559	AR	All	D
9	3820 892	1	All	BEARING, Input Drive Gear
10	3821 477	1	All	GASKET, Adapter to Range Box
11	3681 601	1	All	MAGNET, Chip Collector
12	3820 881	1	All	RANGE BOX, Partial
13	517 351	1	All	GASKET, P.T.O. Cover
14	556 875	1	All	COVER, P.T.O.
15	180 118	6	All	SCREW, 3/8-16 x 5/8"
16	3820 890	1	All	GASKET, Range Box to Case
17	3820 891	1	All	GEAR, Input Drive
18	3821 362	1	All	CLUTCH, Input Shaft Sliding
19	3410 038	1	All	FORK, Shift Range Box
20	4030 404	1	All	SHAFT w/LEVER, Range Fork
21	1536 267	1	All	SEAL, "O" Ring, Range Fork Shaft
22	4031 399	1	All	LINK, Lockout Rail Connector
23	3820 884	1	All	SEAL, "O" Ring, Lockout Shaft
24	3820 883	1	All	SHAFT w/LEVER, Lockout
25	3820 887	1	All	PLATE, Poppet Spring
26	3820 889	1	All	SPRING, Poppet Plate
27	3515 027	1	All	GASKET, Poppet Spring Pin
28	6029 123	1	All	PLUG, Poppet Spring
29	180 124	8	All	SCREW, 3/8-16 x 1-1/4"
30	3820 888	1	All	PIN, Plate Pivot
31	3821 412	1	All	WASHER, Co/Shaft Gear Thrust
32	3821 411	1	All	SPACER, Co/Shaft Gear, Short
33	3821 409	1	All	GEAR, Countershaft
34	3821 410	1	All	SPACER, Co/Shaft Gear, Long
35	2954 109	72	All	ROLLERS, Co/Shaft Gear
36	3821 411	2	All	SPACER, Co/Shaft Gear, Short
37	3821 407	1	All	COUNTERSHAFT, Transfer Case
38	3821 412	1	All	WASHER, Thrust
39	2954 109	15	All	ROLLERS, Input Shaft Pilot

LIGHT A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
DUTY AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

AR=Use as Required

=New Part Number

Printed in U.S.A.

June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE, N.P.G. MODEL 203				
CASE AND GEARS				
W1,2,3,4 - AW1 - 1978-79				
40	3821 352	1	All	SHAFT, Input
41	2952 592	2	All	PIN, Wa. Retaining
42	3821 353	1	All	SEAL, "O" Ring
43	3821 354	1	All	GEAR, Low Speed
44	3821 356	1	All	BUSHING, Low Speed Gear
45	3821 357	1	All	WASHER, Low Speed Gear, Thrust
46	3821 359	1	All	RETAINER, Input Shaft Bearing
47	3820 892	1	All	BEARING, Input Shaft
48	3821 416	AR	All	SNAP RING, Input Shaft Bearing
	3821 417	AR	All	
	3821 418	AR	All	
49				SNAP RING, Input Shaft,
	2960 192	AR	All	A
	3821 557	AR	All	B
	3821 558	AR	All	C
	3821 559	AR	All	D
50	3820 876	1	All	CASE, w/Magnet, Use w/Transfer Case As Purchased Assy. No. 3898654
	4115 330	1	All	Use w/Transfer Case As Purchased Assy. No. 4115062
51	3681 601	1	All	MAGNET, Chip Collector
	3743 314	1	All	CLIP, Case Magnet
52	3821 369	1	All	WASHER, Side Gear Thrust, Front
53	3821 370	1	All	WASHER, Lubricating
54	3821 372	1	All	SNAP RING, Drive Sprocket
55	147 487	1	All	BALL, Lockout Shift Rail Poppet
56	1092 545	1	All	GASKET, Lockout Switch Plug
57	1798 191	1	All	PLUG, Lockout Switch
58	1798 192	1	All	SPRING, Lockout Shift Rail Poppet Ball
59				NUT, Front Output Shaft (Refer to Group 16)
60				WASHER, (Refer to Group 16)
61				WASHER, Rubber (Refer to Group 16)
62				YOKE w/SLINGER (Refer to Group 16)
63	4086 649	1	All	OIL SEAL, 3" O.D., 1 11/16" I.D.
64	2954 127	1	All	RETAINER, Front Output Shaft Bearing
65	180 122	4	All	SCREW, 3/8-16 x 1"
66	3410 048	1	All	BEARING, Front Output Shaft
67	2124 518	1	All	SNAP RING, Front Output Shaft Bearing
68	3821 402	1	All	GASKET, Front Brg. Retainer
69	3894 488	1	All	SHAFT, Frt. Output, Lower, Shaft Use w/Transfer Case As Purchased
				Assy. No. 3898654
	4115 336	1	All	SHAFT ASSY., Frt. Output, Lower, Use w/Transfer Case As Purchased
				Assy. No. 4115062
	3894 489	1	All	SHAFT w/o Sprocket, Frt. Output, Lower
	3898 368	1	All	SPROCKET, Chain Drive, Lower, Use w/Transfer Case As Purchased
				Assy. No. 3898654
	4115 335	1	All	Use w/Transfer Case As Purchased Assy. No. 4115062
70	1265 674	1	All	BEARING, Frt. Output Shaft, Rear
71	3821 406	1	All	GASKET, Brg. Retainer
72	2954 130	1	All	RETAINER, Frt Output Shaft Rear Bearing
73	180 122	8	All	SCREW, 3/8-16 x 1"

LIGHT A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
DUTY AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

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June, 1982

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE, N.P.G. MODEL 203 CASE AND GEARS W1,2,3,4 - AW1 - 1978-79				
74				GASKET, Transmission Case to Adapter,
	2466 954	1	All	w/A727 Trans.
	3410 008	1	All	w/A230 Trans.
	2909 664	1	All	w/435,445 Trans.

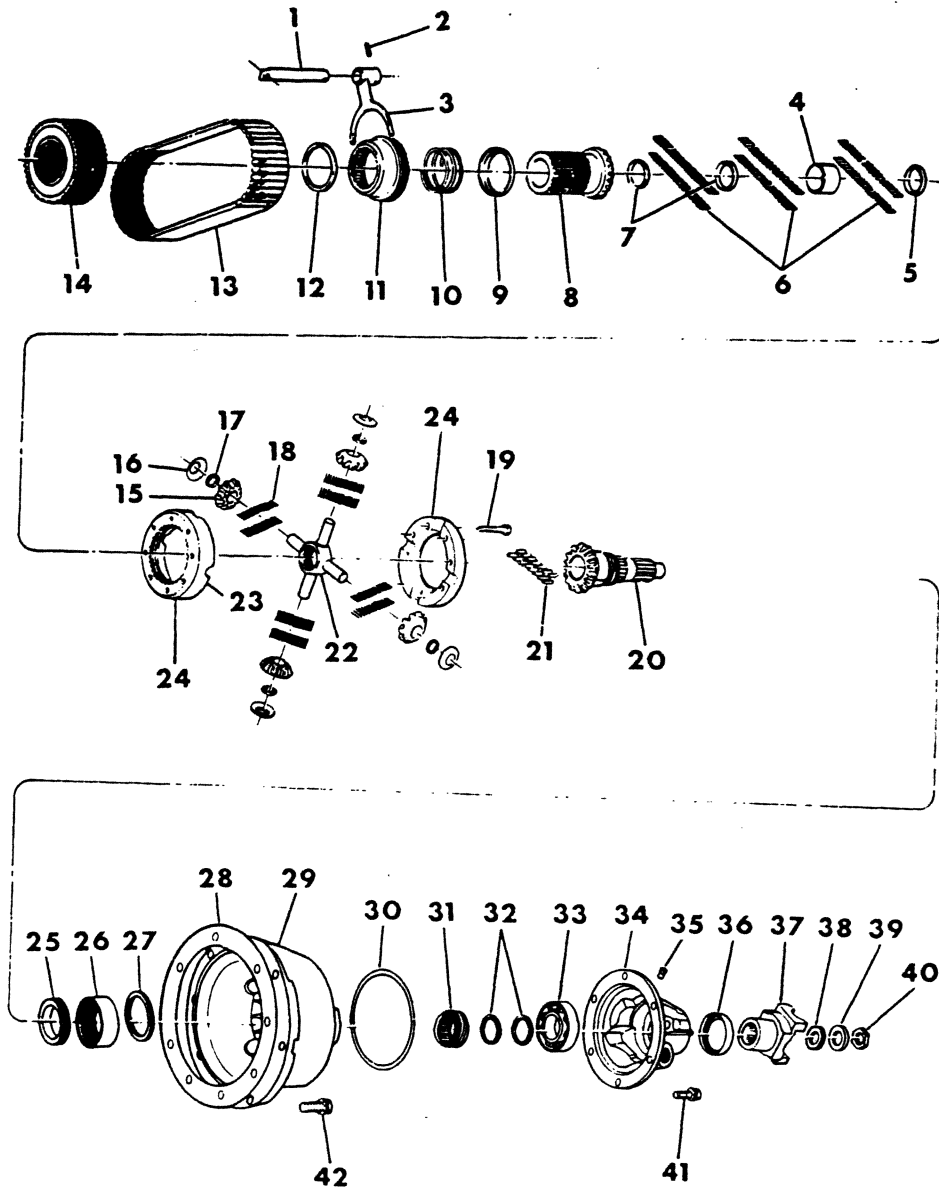
LIGHT A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
DUTY AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

AR = Use as Required # = New Part Number Printed in U.S.A. June, 1982

TRANSFER CASE, N.P.G. MODEL 203
GEARS AND COMPONENTS
W1,2,3,4 - AW1 - 1978-79

8321 1100



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE, N.P.G. MODEL 203 GEARS AND COMPONENTS W1,2,3,4 - AW1 - 1978-79				
1	3820 877	1	All	RAIL, Lockout Shift
2	4036 691	1	All	PIN, Fork Rail
3	3820 878	1	All	FORK, Lockout Shift Rail
4	3821 367	1	All	SPACER, Side Gear Roller Brg. Center
5	3821 366	1	All	SPACER, Side Gear Roller Bearing
6	666 927	123	All	ROLLERS, Diff. Side Gear Bearing
7	3821 366	2	All	SPACER, Side Gear Roller Bearing
8	3821 365	1	All	SIDE GEAR, Diff. Front w/Rollers
9	3821 376	1	All	WASHER, Lockout Cl. Spring Cup
10	3821 375	1	All	SPRING, Lockout Clutch
11	3821 374	1	All	CLUTCH, Sliding Lock
12	3821 372	4	All	SNAP-RING, Drive Sprocket, Upper
13	3821 373	1	All	CHAIN, Drive 3/8 Pitch, Use w/Transfer Case As Purchased Assy. No. 3898654
	4115 334	1	All	1/2 Pitch, Use w/Transfer Case As Purchased Assy. No. 4115062
14	3898 368	1	All	SPROCKET, Chain Drive, Upper, Use w/Transfer Case As Purchased Assy. No 3898654
	4115 335	1	All	Use w/Transfer Case As Purchased Assy. No. 4115062
15	3821 385	4	All	GEAR, Diff. Pinion
16	3821 382	4	All	WASHER, Diff. Pinion Thrust
17	3821 383	4	All	WASHER, Diff. Pinion Roller Thrust
18	3821 384	132	All	ROLLERS, Diff. Pinion Bearing
19		8	All	BOLT, (Serviced in Item No. 24)
20	4036 435	1	All	SHAFT, w/Oil Pump, Output
21	2954 109	15	All	ROLLERS, Output Shaft
22	3821 381	1	All	SPIDER, Diff. Pinion, Use w/Transfer Case As Purchased Assy. No. 3898654
	4115 252	1	All	Use w/Transfer Case As Purchased Assy. No. 4115062
24	3821 414	1	All	CARRIER w/BOLTS, Diff., Partial w/o Spider Gear
	4115 251	1	All	CARRIER Diff. Assy. Complete. (Interchangeable as an Assy.)
	4115 254	4	All	BLOCK, Diff. Pinion Thrust, Use w/Transfer Case As Purchased Assy. No. 4115062
25	3894 957	1	All	PUMP, Rear Output Shaft Oil
26	3821 391	1	All	BEARING, Diff. Hsg., Front
27	3821 390	1	All	OIL SEAL, Diff. Housing
28	3894 484	1	All	GASKET, Diff. Housing,
29	3821 389	1	All	HOUSING, Differential, Use w/Transfer Case As Purchased Assy. No. 3898654
	4115 333	1	All	Use w/Transfer Case As Purchased Assy. No. 4115062
30	3894 487	1	All	SEAL, "O" Ring
31	3732 038	1	All	GEAR, Speedo. Pinion Drive (5 Teeth)
32	927 368	AR	All	SHIM, Rear Wheel Output Shaft.
	927 369	AR	All	
	927 370	AR	All	
	4057 004	AR	All	.042" Thk.
	4057 005	AR	All	.062" Thk.
33	3410 048	1	All	BEARING, Rear Wheel Output Shaft
34	3821 394	1	All	RETAINER, Rear Wheel Output Shaft Bearing
35	2124 715	1	All	VENT, Breather

LIGHT A = All Sport Utility (Ramcharger).

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D = Conventional Cab.

DUTY AD = 2 Wheel Drive Only (Ramcharger).

CB-MB = Compact Front Section Only.

W = Conventional Cab 4 Wheel Drive.

CODES: AW = 4 Wheel Drive Only (Ramcharger).

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M = Motor Home.

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June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
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**TRANSFER CASE, N.P.G. MODEL 203
 GEARS AND COMPONENTS
 W1,2,3,4 - AW1 - 1978-79**

	3894 485	1	All	SEAL, Vent
36	3821 395	1	All	OIL SEAL, Rear Wheel Output Shaft Bearing
37				YOKE (Refer to Group 16)
38				WASHER, Rubber (Refer to Group 16)
39				WASHER (Refer to Group 16)
40				NUT (Refer to Group 16)
41	180 122	6	All	SCREW, Retainer 3/8-16 x 1"
42	180 122	8	All	SCREW, Diff. Hsg. 3/8-16 x 1"

LIGHT	A = All Sport Utility (Ramcharger).	B = All Compact Models.	D = Conventional Cab.
DUTY	AD = 2 Wheel Drive Only (Ramcharger).	CB-MB = Compact Front Section Only.	W = Conventional Cab 4 Wheel Drive.
CODES:	AW = 4 Wheel Drive Only (Ramcharger).	P = Forward Control Chassis.	M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

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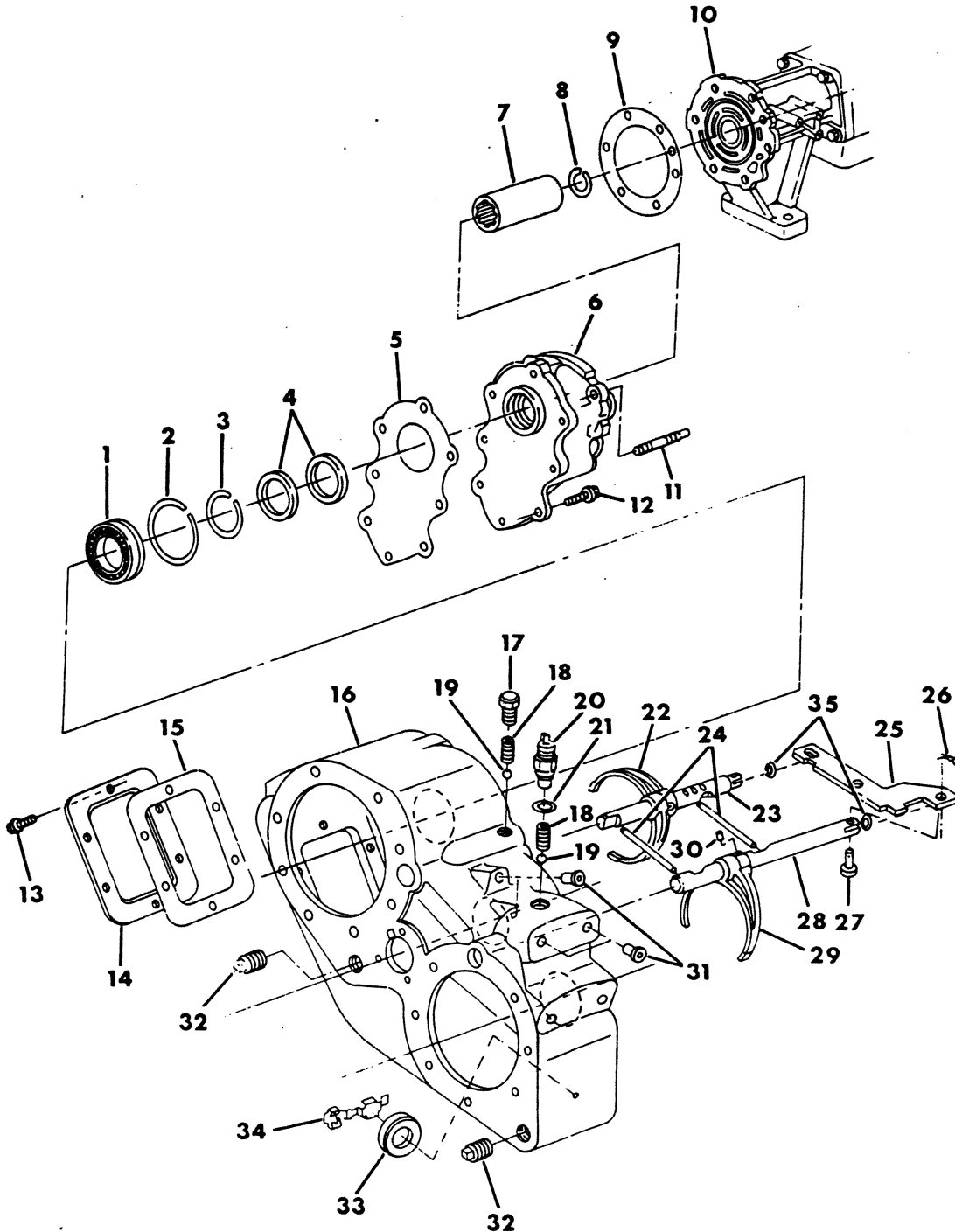
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June, 1982

8321 1125A

TRANSFER CASE, N.P.G. MODEL 205
CASE AND RELATED PARTS
W200,300,400 - 1980-81 (Page 1 of 3)



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE, N.P.G. MODEL 205				
CASE AND RELATED PARTS				
W200,300,400 - 1980-81 (Page 1 of 3)				
			W2	TRANSFER CASE ASSY., AS PURCHASED No. 4213111 w/7260 Series - 1980
			W2	AS PURCHASED No. 4202739 w/7260 Series - 1981
			W3,4	TRANSFER CASE ASSY., AS PURCHASED No. 4213122 w/5380 Series - 1980
			W3,4	AS PURCHASED No. 4202740 w/5380 Series - 1981
	4167 923		W2,3,4	TRANSFER CASE ASSY., SERVICED - 1980
	4219 099		W2,3,4	1981
1	575 551	1	All	BEARING, Front Input Shaft
2	2124 518	1	All	SNAP RING, Input Shaft Bearing
3			All	SNAP RING, Input Shaft
	6025 754	AR	All	.086" - .088" Thk.
	6025 755	AR	All	.089" - .091" Thk.
	6025 756	AR	All	.092" - .094" Thk.
	6025 757	AR	All	.095" - .097" Thk.
4	4167 917	2	All	OIL SEAL, Adapter
5	4219 108	1	All	GASKET, Transfer Case Adapter
6	4202 297	1	All	ADAPTER, Transfer Case
7	4167 920	1	All	SLEEVE, Transfer Case Adapter
8	4167 921	1	All	RING, Sleeve, Retaining
9	4130 678	1	All	GASKET, Adapter to Transfer Case
10	4130 675	1	All	ADAPTER, Trans. to Transfer Case, w/A727 Trans.
	4210 977	1	All	w/435 Trans.
11	4167 922	6	All	STUD, Adapter
12	2121 588	8	All	SCREW w/WA., Adapter
13		6	All	SCREW, P.T.O. Cover 3/8-16 x 5/8"
14	556 875	1	All	COVER, P.T.O.
15	517 351	1	All	GASKET, P.T.O. Cover
16	4167 734	1	All	CASE, Partial, w/Magnetic Chip Collector - 1980
	4219 095	1	All	1981
	4210 982	1	All	DOWEL, Transfer Case
17	1798 191	1	All	SCREW, Shift Rail Poppet
18	1798 192	2	All	SPRING, Ball Poppet
19	147 487	2	All	BALL, Spring Poppet 5/16" Dia.
20	4210 979	1	All	SWITCH, T/Case Four Wh. Drive Indicator Light
21	1092 545	2	All	GASKET, Poppet Screw
22	2954 135	1	All	FORK, Rr. Wheel Shift Rail
23	3732 039	1	All	RAIL, Rear Wheel Shift
24	2954 138	2	All	PIN, Shift Rail Interlock
25	3732 041	1	All	LINK, Shift Rail
26		2	All	CLIP, Rail to Link Pin
27		2	All	PIN, Shift Rail to Link 5/16 x 1"
28	3732 040	1	All	RAIL, Front Wheel Shift - 1980
	4210 978	1	All	1981
29	2954 135	1	All	FORK, Frt. Wheel Shift Rail
30	4036 691	2	All	PIN, Shift Fork to Rail Lock
31	4167 904	4	All	PLUG, Case Interlock Hole
32		2	All	PLUG, Filler and Drain 1/2" x 14 Pipe (Not Serviced)
33	3681 601	1	All	MAGNET, Case Chip Collector

LIGHT A = All Sport Utility (Ramcharger).

B = All Compact Models.

D = Conventional Cab.

DUTY AD = 2 Wheel Drive Only (Ramcharger).

CB-MB = Compact Front Section Only.

W = Conventional Cab 4 Wheel Drive.

CODES: AW = 4 Wheel Drive Only (Ramcharger).

P = Forward Control Chassis.

M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

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June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
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**TRANSFER CASE, N.P.G. MODEL 205
 CASE AND RELATED PARTS
 W200,300,400 - 1980-81 (Page 1 of 3)**

34	3743 314	1	All	CLIP, Chip Collector Magnet Holding
35	3496 234	2	All	OIL SEAL, Shift Rail

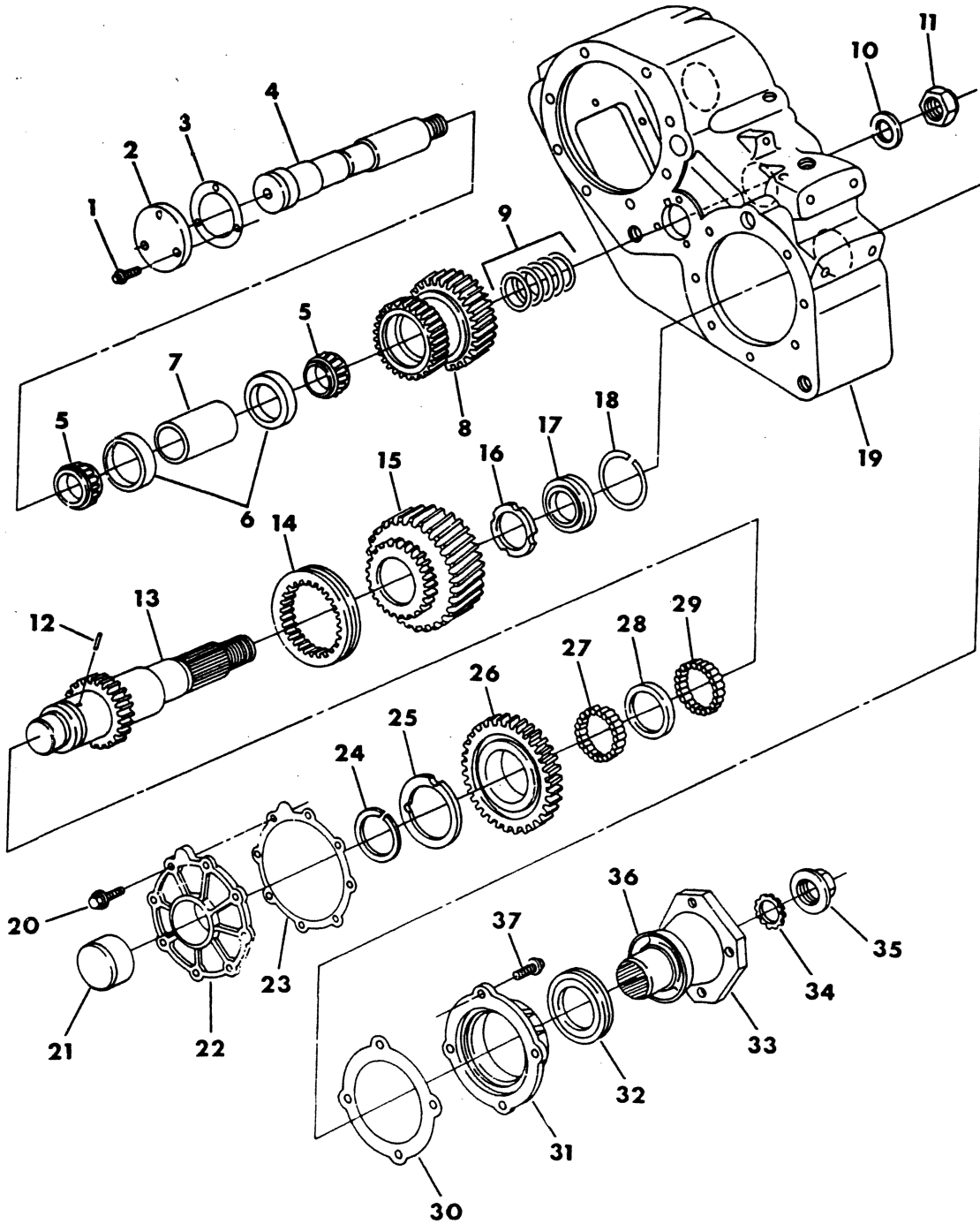
LIGHT A = All Sport Utility (Ramcharger). B = All Compact Models. D = Conventional Cab.
DUTY AD = 2 Wheel Drive Only (Ramcharger). CB-MB = Compact Front Section Only. W = Conventional Cab 4 Wheel Drive.
CODES: AW = 4 Wheel Drive Only (Ramcharger). P = Forward Control Chassis. M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

AR=Use as Required # = New Part Number Printed in U.S.A. June, 1982

8321 1130B

TRANSFER CASE- N.P.G. MODEL 205
IDLER & FRT. OUTPUT SHAFT AND GEARS
W200,300,400 - 1980-81 (Page 2 of 3)



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE- N.P.G. MODEL 205 IDLER & FRT. OUTPUT SHAFT AND GEARS W200,300,400 - 1980-81 (Page 2 of 3)				
1	180 077	3	All	SCREW, Idler Shaft End Cover
2	927 365	1	All	COVER, Idler Shaft End
3	927 364	1	All	GASKET, Idler Shaft Cover
4	2954 122	1	All	SHAFT, Idler Gear
5	927 375	2	All	CONE w/ROLLERS, Idler Gear Bearing
6	2910 220	2	All	CUP, Idler Gear Bearing
7	2954 121	1	All	SPACER, Idler Gear Bearing
8	2954 119	1	All	GEAR, Idler
9				SHIM, Idler Gear Spacer,
	927 368	AR	All	.004" Thk.
	927 369	AR	All	.005" Thk.
	930 402	AR	All	.015" Thk.
	3821 561	AR	All	.042" Thk.
	927 370	AR	All	.0125" Thk.
10	578 994	1	All	WASHER, Idler Gear Shaft
11	2954 140	1	All	NUT, Idler Shaft Lock
12	2952 592	1	All	PIN, Low Gear, Front Thrust Washer
13	3491 281	1	All	SHAFT, Front Output
14	2954 116	1	All	CLUTCH, Frt. Output, Sliding
15	2954 124	1	All	GEAR, Frt. Wheel, High
16	3491 282	1	All	WASHER, Frt. Output High Gear Thrust
17	3410 048	1	All	BEARING, Front Output Shaft
18	2124 518	1	All	SNAP RING, Frt. Output Shaft Bearing
19		1	All	CASE, Transfer (Refer to Page 1 No. 16)
20	180 122	8	All	SCREW, Retainer 3/8-16 x 1"
21	1265 674	1	All	BEARING, Frt. Output Shaft, Rear
22	2954 130	1	All	RETAINER, Frt. Output, Rear Bearing
23	3821 406	1	All	GASKET, Frt. Output, Rr. Brg. Retainer
24	3732 037	1	All	RING, Low Gear, Front Output Retaining
25	2954 113	1	All	WASHER, Frt. Output, Thrust 3/16" Thk.
26	2952 589	1	All	GEAR, Low Front Output
27	1949 834	32	All	ROLLER, Low Gear, Frt. Output Shaft
28	2954 112	1	All	SPACER, Frt. Output, Roller
29	1949 834	32	All	ROLLER, Low Gear, Frt. Output Shaft
30	3821 402	1	All	GASKET, Frt. Output Shaft Brg. Retainer
31	2954 127	1	All	RETAINER, Frt. Output Shaft Bearing - 1980
	4167 727	1	All	1981
32	4167 908	1	All	SEAL, Frt. Output Shaft Brg. Retainer
33	4167 912	1	All	FLANGE, T/Case Frt. Output Yoke
34	4210 973	AR	All	WASHER, Frt. Output Shaft Flange Splined Seal, Rubber
	578 994	AR	All	WASHER, Frt. Output Shaft Flange, Steel
35	4167 924	1	All	NUT, Frt. Output Shaft Flange Yoke
36	4167 913	1	All	GUARD, T/Case Frt. Output Shaft Flange - 1980
	4210 611	1	All	1981
37	180 122	4	All	SCREW, Retainer 3/8-16 x 1"

LIGHT A = All Sport Utility (Ramcharger).

B = All Compact Models.

D = Conventional Cab.

DUTY AD = 2 Wheel Drive Only (Ramcharger).

CB-MB = Compact Front Section Only.

W = Conventional Cab 4 Wheel Drive.

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P = Forward Control Chassis.

M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

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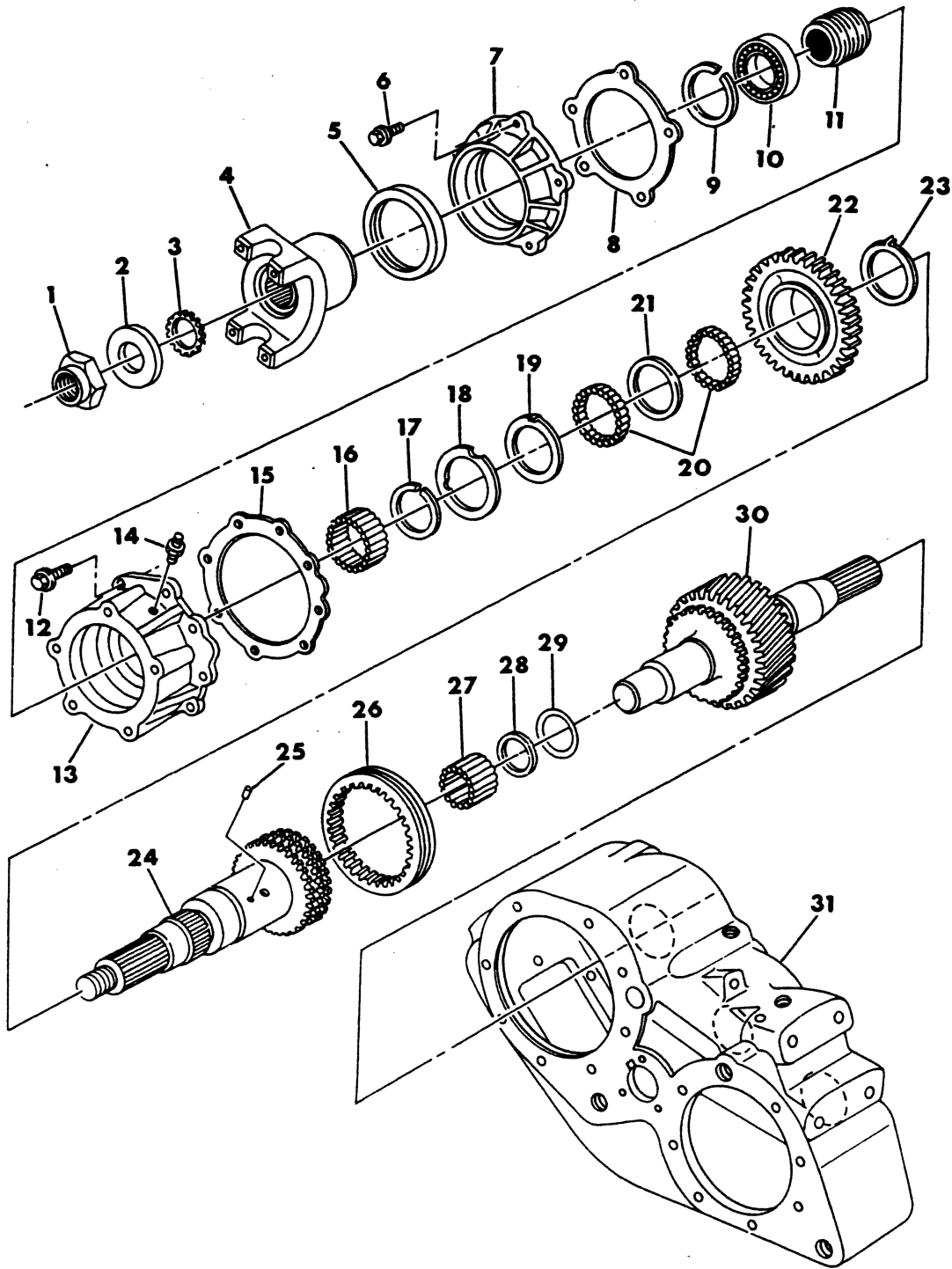
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June, 1982

8321 1140

TRANSFER CASE- N.P.G. MODEL 205
INPUT & REAR OUTPUT SHAFT AND GEARS
W200,300,400 - 1980-81 (Page 3 of 3)



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
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**TRANSFER CASE- N.P.G. MODEL 205
INPUT & REAR OUTPUT SHAFT AND GEARS
W200,300,400 - 1980-81 (Page 3 of 3)**

1	2954 140	1	All	NUT, T/Case Rear Yoke
2	578 994	AR	All	WASHER, Rear Output Shaft Yoke, Steel
3	4210 973	AR	All	WASHER, Yoke Inner Spline, Rubber
4	2909 669	1	W2	YOKE, T/Case Rr. Output Shaft (7260)
	2909 670	1	W3,4	YOKE, T/Case Rr. Output Shaft (5380)
5	2954 128	1	All	SEAL, Rear Output Shaft Oil
6	1673 185	5	All	SCREW, Oil Seal Retainer
7	2954 134	1	All	RETAINER, Rr. Output Shaft Oil Seal
8	2225 039	1	All	GASKET, Rr. Output Shaft Oil Seal Retainer
9	2124 518	1	All	SNAP RING, Rear Output Shaft Bearing
10	3410 048	1	All	BEARING, Rear Output Shaft
11	3732 038	1	All	GEAR, Speedo. Nylon, 5 Teeth
12	180 122	8	All	SCREW, Retainer 3/8-16 x 1"
13	3634 341	1	All	RETAINER, Rear Output Shaft Brg. - 1980
	4219 097	1	All	1981
14	4213 403	1	All	VENT, Elbow Tube Breather - 1980
	118 749	1	All	CONNECTOR, Vent Tube 1/8" x 27 Flared - 1981
	1843 253	1	All	TUBING, Breather Vent (Service Roll Stock) - 1981
	1941 667	1	All	NUT, Vent Tube Flare - 1981
	4203 316	1	All	HOSE, Breather Vent (Serv. Roll Stock)
	4213 328	1	All	VENT CAP ASSY., Hose End
15	3821 406	1	All	GASKET, Rr. Output Shaft Brg. Retainer
16	2225 014	1	All	BEARING, Rr. Output Shaft Support
17	3732 037	1	All	RING, Low Gear, Rear Output Retaining
18	2954 113	1	All	WASHER, Rr. Output Thrust 3/16" Thk.
19	2952 591	1	All	WASHER, Rr. Output Thrust 1/16" Thk.
20	1949 834	64	All	ROLLER, Low Gear Rr. Output Shaft
21	2954 112	1	All	SPACER, Rr. Output Shaft Roller
22	2952 589	1	All	GEAR, Low Rear Output Shaft
23	2952 591	1	All	WASHER, Low Gear Roller, Thrust 1/16" Thk.
24	4106 561	1	All	SHAFT w/GEAR, Package Speedo. Drive, Rr. Output
25	2952 592	1	All	PIN, Low Gear, Rear Thrust Washer
26	2954 116	1	All	CLUTCH, Sliding Rear Output
27	2954 109	15	All	ROLLER, Rr. Output Shaft Pilot
28	56 7969	1	All	WASHER, Rr. Output Shaft Pilot, Thrust
29	3492 986	1	All	RING, Pilot Roller Lock
30	4167 905	1	All	SHAFT w/GEAR, Input
31		1	All	CASE, Transfer (Refer to Page 1 No. 16)
61	12 690	2	All	PIN, Shift Rail to Link 5/16 x 1"

LIGHT	A = All Sport Utility (Ramcharger).	B = All Compact Models.	D = Conventional Cab.
DUTY	AD = 2 Wheel Drive Only (Ramcharger).	CB-MB = Compact Front Section Only.	W = Conventional Cab 4 Wheel Drive.
CODES:	AW = 4 Wheel Drive Only (Ramcharger).	P = Forward Control Chassis.	M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

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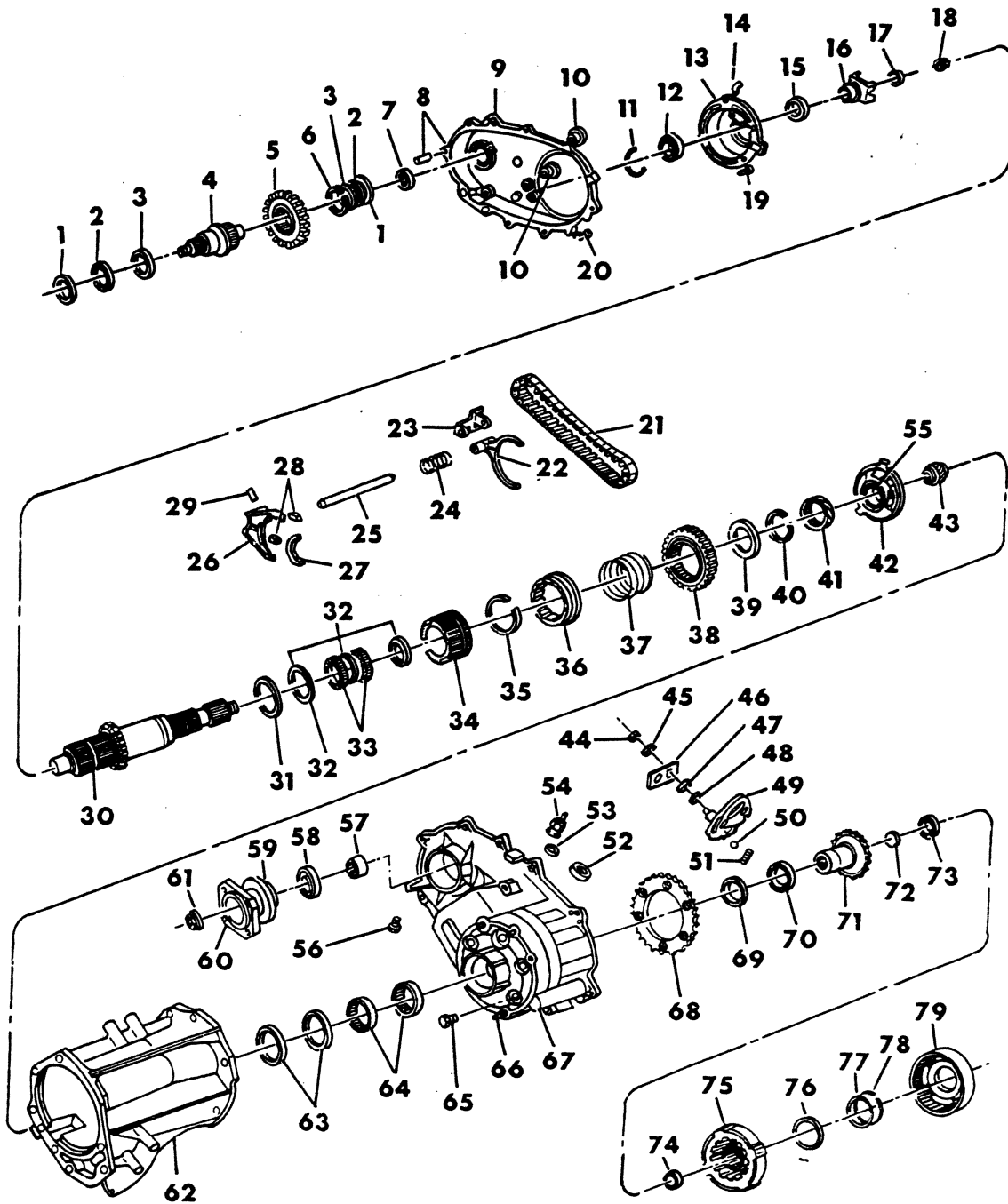
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1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

TRANSFER CASE- N.P.G. MODEL 208
W100,200 - AW100 - 1980-81

8321 1150



TRANSMISSION, MANUAL **1978-81 LIGHT DUTY TRUCK PARTS CATALOG**

Figure 21M-1150
Illus. Page 21M-55

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE- N.P.G. MODEL 208				
W100,200 - AW100 - 1980-81				
			W1,2-AW1	TRANSFER CASE ASSY., AS PURCHASED No. 4213148 - 1980
			W1,2-AW1	AS PURCHASED No. 4202792 - 1981
	4210 612		W1,2-AW1	TRANSFER CASE ASSY., SERVICED - 1980
	4219 094		W1,2-AW1	TRANSFER CASE ASSY., SERVICED - 1981
1	4167 992	2	All	WASHER, Front Output Shaft Thrust, 3/32" Tk. - 1980
	4167 731	2	All	1981
2	4167 993	2	All	BEARING, Front Output Shaft Thrust, 1-3/4" I.D., 2-1/2" O.D.
3	4167 994	2	All	WASHER, Front Output Shaft Thrust, 1/32" Thick
4	4167 989	1	All	SHAFT, Front Output, 6-15/16" Long (32-61T)- 1980
	4167 730	1	All	1981
5	4167 990	1	All	SPROCKET, Driven, 61-34 Ext. Teeth - 1980
	4167 728	1	All	1981
6	4167 991	1	All	RING, Driven Sprocket Retaining, 2-11/32 I.D., 5/64" Thick
7	4167 998	1	All	BEARING, Front Output Shaft, Rear Needle Roller, 1-7/8" O.D.
8	4210 982	1	All	DOWEL, Case Alignment, 1/2" O.D. x 5/8" Lg.
	4210 983	2	All	WASHER, Case Alignment Dowel
	4210 614	2	All	BOLT, Case Alignment Dowel - 1980
	4210 614	3	All	1981
9	4167 996	1	All	CASE, Rear Half
10	4210 616	1	All	PLUG w/GSKT., Case Rear Half, Filler
	4210 616	1	All	Drain
11	4210 984	1	All	RING, Bearing Retaining, 2-31/32" O.D.
12	1633 718	1	All	BEARING, Rear Output Shaft
13	4210 605	1	All	RETAINER, Rear Output Shaft Bearing, Use w/Transfer Case As Purchased Assy. No. 4213148
	4219 093	1	All	Use w/Transfer Case As Purchased Assy. No. 4202792
14	4213 403	1	All	VENT, Breather, Elbow - 1980
	118 749	1	All	CONNECTOR, Vent Tube 1/8" x 27 Flared - 1981
	1843 253	1	All	TUBING, Breather Vent (Service Roll Stock)
	1941 667	1	All	NUT, Tubing Flare - 1981
	4203 316	1	All	HOSE, Breather Vent (Serv. Roll Stock)
	4213 328	1	All	VENT CAP ASSY., Hose End
15	4167 930	1	All	OIL SEAL, Rear Output Shaft - 1980
	4167 735	1	All	1981
16	3516 495	1	All	YOKE, Rear Output Shaft
17	3822 839	1	All	WASHER, Rear Output Shaft Yoke (Rubber)
18	4167 924	1	All	LOCKNUT, Yoke
19	4210 617	4	All	BOLT, Brg. Retainer
20	4210 615	7	All	BOLT, Case Rear Half Mtg. - 1980
	4210 615	6	All	1981
21	4167 995	1	All	CHAIN, Sprocket Drive, 72 Links 1-1/4" Wide
22	4167 974	1	All	FORK, Mode Shift
23	4167 971	1	All	BRACKET w/PIN, Shift Rail
24	4167 975	1	All	SPRING, Mode Shift Fork
25	4167 965	1	All	RAIL, Shift, 5/8" O.D. x 8-11/16" Long
26	4167 966	1	All	FORK ASSY., Shift Range
27	4167 970	1	All	PAD, Shift Fork
28	4167 969	2	All	PAD, Shift Fork
29	4167 968	1	All	PIN, Shift Fork

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AR=Use as Required

=New Part Number

Printed in U.S.A.

June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE- N.P.G. MODEL 208				
W100,200 - AW100 - 1980-81				
30	4167 977	1	All	MAINSHAFT, 52-16-38-32 Teeth, 14-23/64" Long, Use w/Transfer Case As Purchased Assy. No. 4213148
	4219 090	1	All	Use w/Transfer Case As Purchased Assy. No. 4202792
31	4167 980	1	All	WASHER, Sprocket Carrier Thrust, 2-19/64" I.D., 1/32" Thick
32	4167 985	3	All	SPACER, Sprocket Carrier Roller
33	666 927	120	All	ROLLER, Sprocket Carrier, 1/8" O.D. x 15/16" Long
34	4167 983	1	All	CARRIER, Sprocket, 32 Teeth
35	4167 984	1	All	RING, Sprocket Retaining
36	4167 978	1	All	GEAR, Mode Clutch, 16 Int. Teeth
37	4167 979	1	All	SPRING, Mode Shift
38	4167 982	1	All	SPROCKET, Drive, 32 Int. 34 Ext. Teeth
39	4167 986	1	All	WASHER, Sprocket Thrust, 2-19/64" I.D., 5/32" Thk.-1980
	4219 091	1	All	1981
	2952 592	1	All	PIN, Thrust Washer Retaining
40	4167 987	1	All	RING, Sprocket Carrier Retaining, 2-7/64" I.D.
41	3894 957	1	All	PUMP, Oil, 38 Int. Teeth, 2-7/32" O.D.(Nylon)
42	4210 602	1	All	HOUSING, Oil Pump
43	4210 606	1	All	GEAR, Speedometer Drive
44	152 345	1	All	LOCKNUT, Operating Lever
45	120 394	1	All	WASHER, Operating Lever Locknut
46	4210 609	1	All	LEVER, Mode Shift Operating
47	4167 964	1	All	RETAINER, Sector Shaft "O"-Ring Seal (Nylon)
48	4167 963	1	All	"O"-RING, Sector Shift Shaft, 15/16" O.D.
49	4167 960	1	All	SECTOR And SHAFT, Case Shift
50	4213 356	1	All	PLUNGER, Poppet Spring
51	1798 192	1	All	SPRING, Shift Sector Poppet
52	3681 601	1	All	MAGNET, Case Chip Collector
53	3515 027	1	All	GASKET, Lockout Light Switch
54	4168 000	1	All	SWITCH, Lockout Light
55	4210 603	1	All	OIL SEAL, Oil Pump Hsg.
56	4213 355	1	All	SCREW, Case Poppet
57	4116 317	1	All	BEARING, Front Output Shaft, Frt. Needle Roller 2-1/8" O.D.
58	4167 930	1	All	OIL SEAL, Front Output Shaft - 1980
	4167 735	1	All	1981
59	4210 611	1	All	SLINGER, Front Output Shaft Flange
60	4167 912	1	All	FLANGE, Front Output Shaft
	3822 839	1	All	WASHER, Frt. Output Shaft Flange (Rubber)
61	4167 924	1	All	LOCKNUT, Yoke Flange
62	4130 675	1	All	ADAPTER, Trans. To Transfer Case, w/A727 Trans.
	4210 977	1	All	w/435 Trans.
	4130 678	1	All	GASKET, Adapter To Transfer Case
63	4167 929	2	All	OIL SEAL, Case Input
64	4167 928	2	All	BEARING, Case Input, Needle Roller, 2-9/32 O.D.
65	4167 932	6	All	BOLT, Lock Plate
66	4167 922	6	All	STUD, Case Adapter
67	4167 927	1	All	CASE, Transfer Case Front Half
68	4167 931	1	All	PLATE, Low Range Lock, 37 Teeth
69	4167 933	1	All	WASHER, Input Gear Thrust Brg., 2" I.D., 3/32" Thick
70	4167 934	1	All	BEARING, Input Gear, Thrust, 1-31/32" I.D.

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TRANSMISSION, MANUAL **1978-81 LIGHT DUTY TRUCK PARTS CATALOG**

Figure 21M-1150
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ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE- N.P.G. MODEL 208				
W100,200 - AW100 - 1980-81				
71	4167 935	1	All	GEAR ASSY., Drive, 31 Spl., 46 Teeth
72	4167 938	1	All	PLUG, Drive Gear Cup
73	4167 939	1	All	BEARING, Mainshaft, Thrust
74	4167 937	1	All	BEARING, Drive Gear Pilot, Needle Roller, 1-1/2" O.D.
75	4167 941	1	All	PLANETARY ASSY., Complete
76	4167 953	1	All	WASHER, Planetary and Annulus Thrust, 2-21/32" I.D., 3-7/16" O.D., 1/16" Thick
77	4167 959	1	All	WASHER, Planetary and Annulus Thrust, 2-21/32" I.D., 3" O.D., 1/16" Thick
78	3821 372	1	All	RING, Annulus and Clutch Assy. Retaining, 3" O.D.
79	4167 954	1	All	ANNULUS And CLUTCH ASSY., Complete

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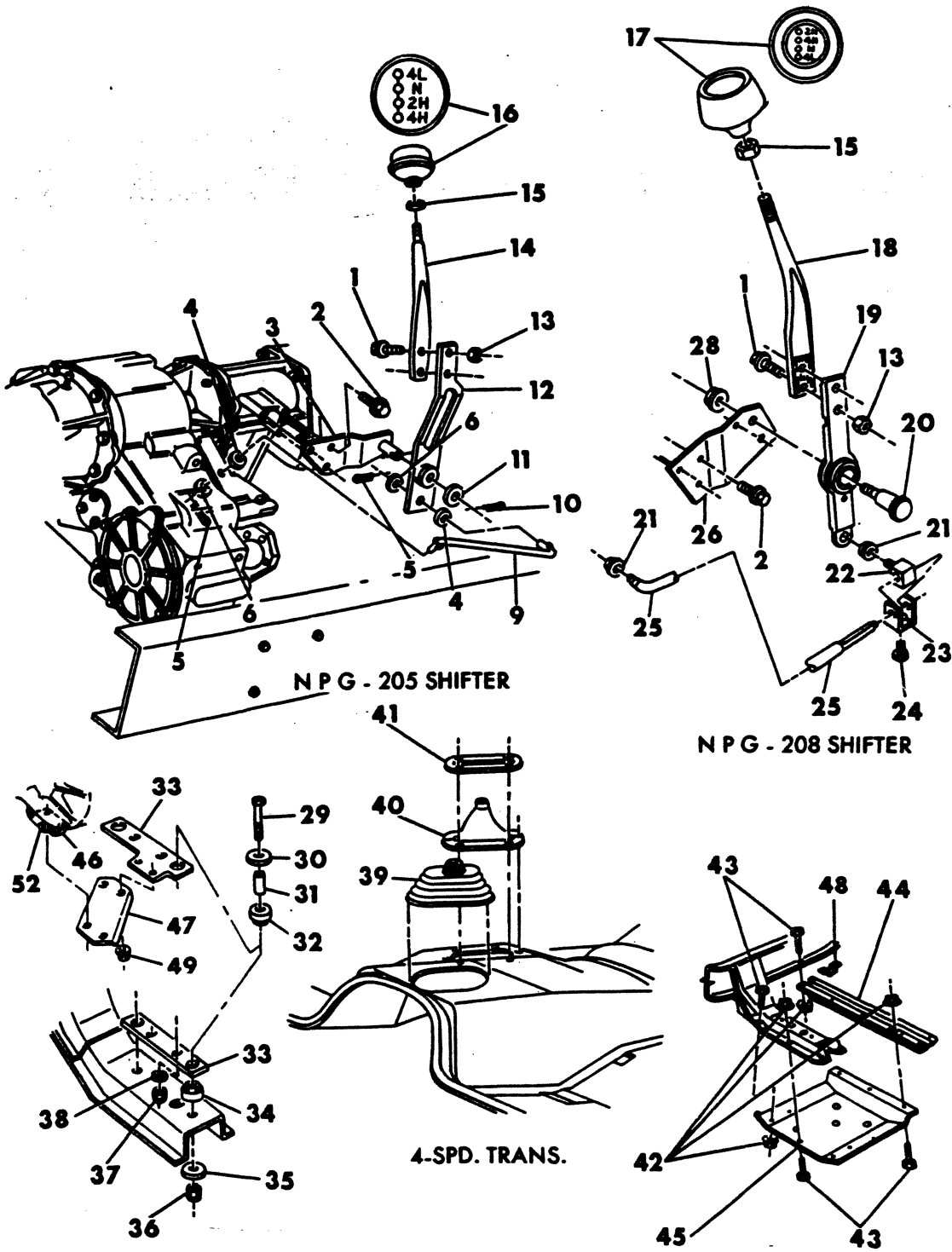
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June, 1982

8321 1175C

TRANSFER CASE- N.P.G. MODEL 205,208
CONTROLS AND MOUNTING W1,2,3,4-AW1 1980-81



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
TRANSFER CASE- N.P.G. MODEL 205,208				
CONTROLS AND MOUNTING W1,2,3,4-AW1 1980-81				
1	9416 171	2	All	BOLT, Lever Mtg. 3/8-16 x 1-1/4"
2	6029 799	3	All	SCREW, Lever Brkt. Mtg. 3/8-16 x 1-1/8"
3	4112 968	1	205	BRACKET, Shift Lever Mtg. - 1980
	4188 434	1	205	1981
4	869 770	2	205	WASHER, Spring
5		2	205	COTTER PIN
6	120 395	2	205	WASHER, Plain
8	6025 004	2	205	NUT, Brkt. Mtg. 1/4-20
9	4112 973	1	205	ROD, Shift Control - 1980
	4188 436	1	205	1981
10		1	205	COTTER PIN
11	930 006	1	205	SPACER, Shift Lever
12	4112 970	1	205	LEVER w/BUSHING, Shift Control
	926 677	1	205	BUSHING, Shift Lever
13	152 344	2	All	NUT, Lever Mtg. 3/8-16
14	4210 917	1	205	LEVER, Upper Shift
15	152 345	1	208	NUT, Lever Jam 3/8-24
	271 506	1	205	7/16-20
16	4210 906	1	205	KNOB, Shift Lever
17	4164 993	1	208	KNOB, Shift Lever - 1980
	4188 450	1	208	1981
18	4117 971	1	208	LEVER, Upper Shift
19	4117 970	1	208	LEVER w/BUSHING, Shift Control
	4164 041	1	208	BUSHING, Shift Lever
	4164 042	1	208	INSULATOR, Shift Lever
	6031 710	1	208	PIN
	4117 968	1	208	INSERT, Shift Lever Knob
20	4164 040	1	208	PIVOT, Shift Lever Mtg.
	2275 558	1	208	WASHER, Shift Lever Pivot
21	3467 791	2	208	GROMMET, Shift Lever Rod
22	3467 790	1	208	SWIVEL, Shift Lever Rod
23	2204 274	1	208	CLAMP, Shift Lever Rod Swivel
24	181 082	1	208	SCREW, Swivel Clamp 5/16-18 x 1/2"
25	4117 972	1	208	ROD, Shift Lever
26	4164 046	1	208	BRACKET, Shift Lever Mtg.
28	6030 829	1	208	NUT, Lever Mtg. Pivot 7/16-14
29	271 885	2	All	BOLT, 5/8-11 x 3-1/4"
30		4	All	WASHER (Not Serviced)
31		2	All	SPACER (Not Serviced)
32	3820 921	2	All	INSULATOR, Upper
33	4213 374	1	All	PLATE, w/Tab Insulator Mtg.
34	4106 710	2	All	INSULATOR PACKAGE, Lower
35		1	All	WASHER (Not Serviced)
36	152 372	2	All	NUT, 5/8-11
37	152 372	2	All	NUT, 5/8-11
38	6028 776	2	All	WASHER
39	2224 187	1	All	BOOT, Under Body Trans. Cover G/Shift Lever, Rubber 6-1/2 x 7-1/2.
40	4113 509	1	All	BOOT, Transfer Case Shift Control Lever, Vinyl
41	4082 056	1	All	RETAINER, Boot Hold Down, Bright Finish

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June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
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**TRANSFER CASE- N.P.G. MODEL 205,208
 CONTROLS AND MOUNTING W1,2,3,4-AW1 1980-81**

42	271 502	8	All	NUT, 7/16-14
43	181 138	8	All	BOLT, 7/16-14 x 1-1/8"
44	4213 124	1	All	CROSSMEMBER, Transfer Case Skid Plate
45	4213 116	1	All	PLATE, Transfer Case Skid
46	4213 376	1	208	BRACKET, T/Case Mtg.
47	4213 375	1	208	STRUT, T/Case To Insulator Mtg. Plate
48	4213 123	2	All	SUPPORT, C/Membr. Skid Plate
49	6025 020	4	208	NUT w/WA., 3/8-16
	181 114	4	208	BOLT, 3/8-16 x 1-1/4"
52	4213 663	2	208	BOLT, Strut Mtg. Brkt.
	6100 219	2	208	NUT, Strut Mtg. Brkt. Bolt
	6100 129	2	208	WASHER, Strut Mtg. Brkt. Bolt

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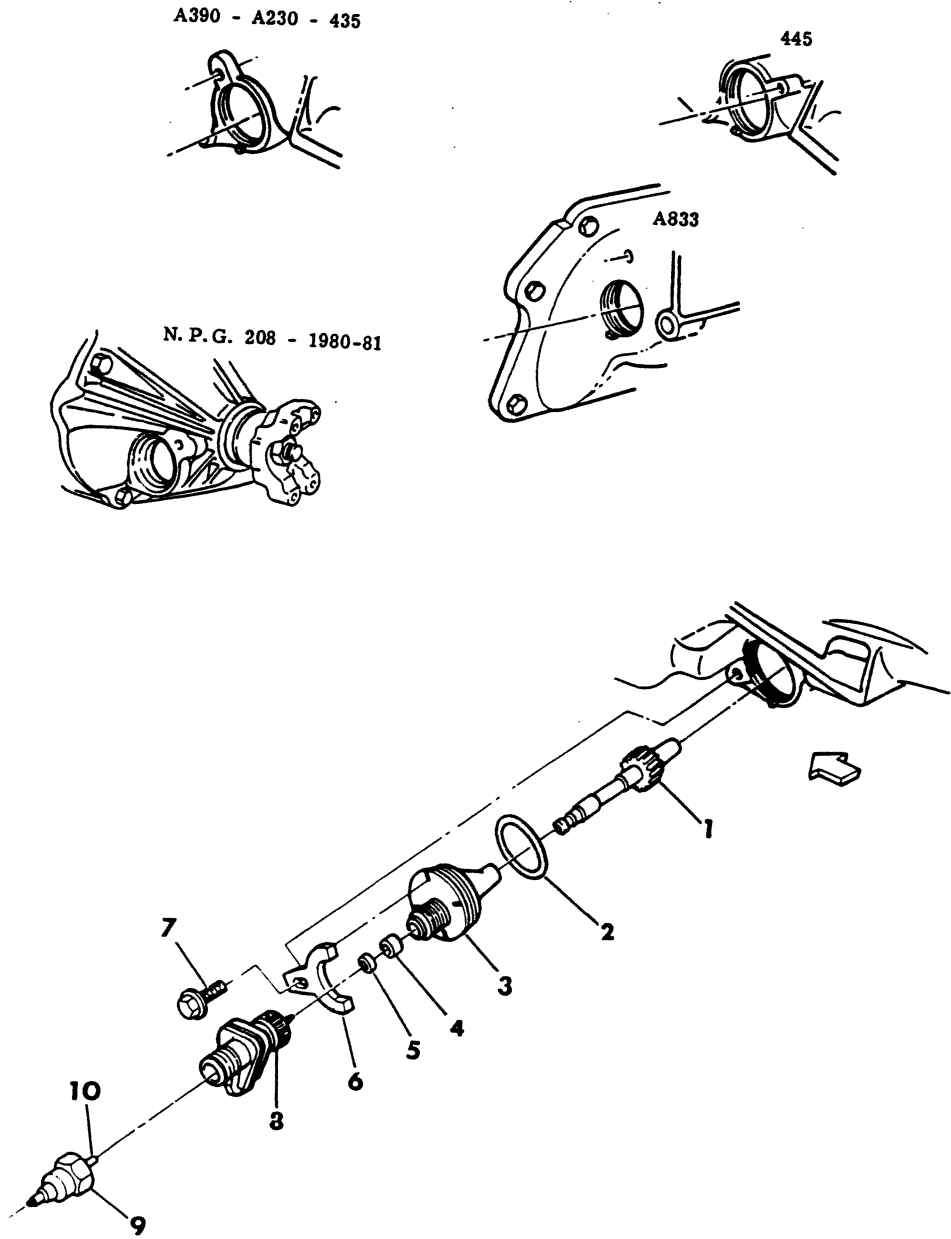
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June, 1982

8321 1200B

SPEEDOMETER CABLE, ADAPTER & PINION
B-CB-D-AD (W1,2-AW1 w/208 TRANSFER CASE)



ITEM	PART NUMBER	QTY	MODEL	DESCRIPTION
SPEEDOMETER CABLE, ADAPTER & PINION B-CB-D-AD (W1,2-AW1 w/208 TRANSFER CASE)				
	4057 046	1	All	REPAIR PACKAGE, SPEEDO. PINION SMALL PARTS
1			All	PINION, All Trans.(See Chart, Illus. No. 1220B)
2	6025 752	1	All	"O" RING, Retainer, Outer (Serv. in 4057046 Pkg.)
	6031 370	1	All	"O" RING, Retainer
3	2538 608	1	All	RETAINER, Except 3410024 and 3410025 Pinion
	2892 994	1	All	Use w/3410024 and 3410025 Pinion
4	2538 588	1	All	SEAL, Retainer, Inner (Serv. in 4057046 Pkg.)
5	2538 571	1	All	RING, Retainer, Inner (Serv. in 4057046 Pkg.)
6	2892 399	1	All	CLAMP, Pinion Retainer
7	181 086	1	All	SCREW, 5/16 x 3/4"
8	2235 626	AR	D-RD	ADAPTER, .6944 to 1 Ratio
		AR		.8797 to 1 Ratio (Serviced by Stewart Warner)
	3895 093	1	B-CB	ADAPTER, Cata. Converter, 90 Degree
9	4114 401	1	D-AD-RD	SPEEDOMETER CABLE, w/SHAFT and HOUSING, Speedo. To Trans., 60" Long - 1978-79-80
	4216 627	1	D-AD-RD	1981
	4114 403	1	W1,2-AW1	80" Long, w/208 T/Case - 1980
	4216 629	1	W1,2-AW1	1981
	4114 404	1	D	91" Long -1979-80
	4114 414	1	B-CB	90" Long Cable w/Bracket, w/ and w/o Cata. Converter
	4114 567	1	D-AD-RD	Speedometer to E.G.R. Switch, 26" Long - 1979-80
	4114 784	1	D3	17" Long - 1979-80
	4114 569	1	D-AD-RD	E.G.R. Switch to Trans., 35" Long - 1979-80
	4085 997	1	B3-CB3,4	Speedo. to E.G.R. Switch, w/Hvy. Duty Cyc. Eng. 26" Long - 1979-80
	4085 998	1	B3-CB3,4	E.G.R. Switch to Trans., w/Hvy. Duty Cyc. Eng., 64" Long - 1979-80
	4085 997	1	B1,2,3	Speedo. to Trip Computer, 26" Long - 1979-80
	4085 999	1	B1,2,3	Trip Computer to Trans., w/Cata. Converter, 90" Long - 1979-80-81
	4085 998	1	B1,2,3	Trip Computer to Trans., w/o Cata. Converter, 64" Long - 1979-80-81
10	2448 294	1	D-AD-RD	SHAFT, Cable Drive, 80". Long, Universal Shaft Pkg.
	2448 295	1	B-CB	113" Long, Universal Shaft Pkg.
	2216 552	1	All	GROMMET, Speedo. Cable
	3592 374	1	All	SLEEVE, Speedo. Cable Silencer
	3593 310	1	B-CB	RETAINER, Speedo. Cable to Speedo.
	2832 449	1	B1,2	BRACKET, Speedo. Cable Holding, w/A833 Trans. (Not Shown)

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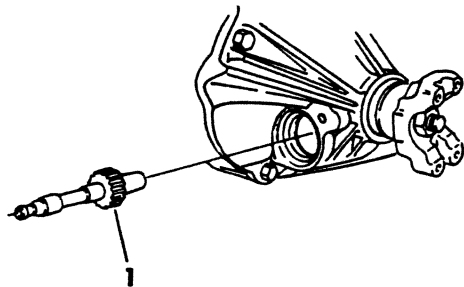
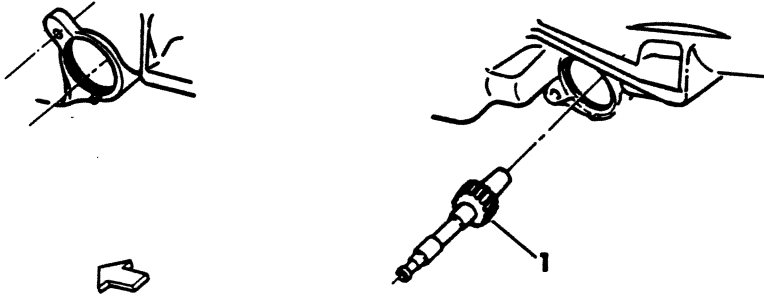
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June, 1982

PINION CHART, SPEEDOMETER - 1978-79

8321 1220B

A230 - 435 - 445
A390 - A833



N. P. G. 208 - 1980-81

DESCRIPTION	REAR AXLE	AXLE RATIO	AXLE RATIO	AXLE RATIO	AXLE RATIO
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PINION CHART, SPEEDOMETER - 1978-79

REAR AXLE RATIO			2.71	2.94	3.21/3.23	3.54/3.55
TIRE SIZE	MATERIAL	TIRE TYPE				
H70-15	P & G	HWY	2538926		2538930	2538934
HR70-15	P & S	HWY		2538928	2538931	2538934
LR70-15	P & S	HWY		2538927	2538930	2538933
LR60-15	P & S	HWY		2538928	2538931	2538934
G78-15	P & G	HWY	2538926		2538931	2538934
GR78-15	P & G	HWY		2538929	2538931	2538934
7.00-15	NYLON	HWY	3410025		2538929	2538932
6.50-16	NYLON	HWY	3410025		2538929	2538932
7.00-16	NYLON	HWY	3410024			2538932
7.50-16	NYLON	HWY				2538931
8.00-16.5	NYLON	HWY	2538926			2538935
8.00R-16.5	NYL or POLY	HWY				2538933
8.75-16.5	NYLON	HWY	3410025			2538933
8.75R-16.5	NYL or POLY	HWY				2538932
9.50-16.5	NYLON	HWY	3410025			2538932
H78-15	P & G	HWY	2538926	2538928	2538930	2538933
E78-15	P & G	HWY	2538927		2538932	2538936
ER78-15	P & G	HWY		2538930	2538933	2538936
F78-15	P & G	HWY	2538927		2538932	2538935
FR78-15	P & G	HWY		2538929	2538932	2538935
8.00-16.5	POLYESTER	HWY	3410025		2538930	2538933
8.75-16.5	POLYESTER	HWY	3410025		2538929	2538932
HR78-15	P & S	HWY	2538926	2538928	2538931	2538934
L78-15	P & G	HWY	3410025	2538927	2538929	2538932
LR78-15	P & S	HWY	3410025	2538927	2538930	2538933
10-15	NYLON	HWY	3410024	2538926	2538929	2538932
9.50-16.5	POLYESTER	HWY	3410024		2538928	2538931
7.00-16	NYLON	MUD & SNOW	3410024		2538929	2538932
7.50-16	NYLON	MUD & SNOW	3410024		2538928	2538930
8.00-16.5	NYLON	MUD & SNOW	3410025		2538930	2538933
8.75-16.5	NYLON	MUD & SNOW	3410024		2538929	2538932
9.50-16.5	NYLON	MUD & SNOW	3410024		2538929	2538932
GR78-15	P & G	MUD & SNOW		2538928	2538931	2538934
HR78-15	P & G	MUD & SNOW		2538928	2538930	2538933
LR78-15	P & G	MUD & SNOW		2538927	2538929	2538932
REAR AXLE RATIO			3.90/3.91	4.10	4.56	4.88
TIRE SIZE	MATERIAL	TIRE TYPE				
G78-15	P & G	HWY	2538938			
7.00-15	NYLON	HWY	2538936			
7.50-16	NYLON	HWY	2538935			
7.00-16	NYLON	HWY		2538937	2538941	2538943
7.50-16	NYLON	HWY		2538936	2538940	2538942
8.00-16.5	NYLON	HWY	2538938	2538940	2538943	2538942(A)

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Printed in U.S.A.

June, 1982

1978-81 LIGHT DUTY TRUCK PARTS CATALOG TRANSMISSION, MANUAL

DESCRIPTION	REAR AXLE	AXLE RATIO	AXLE RATIO	AXLE RATIO	AXLE RATIO
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PINION CHART, SPEEDOMETER - 1978-79

8.75-16.5	NYLON	HWY	2538936	2538938		2538945
9.50-16.5	NYLON	HWY	2538935	2538937		2538945
H78-15	P & G	HWY	2538937		2538943	
E78-15	P & G	HWY	2538939	2538941	2538932(A)	2538934(B)
F78-15	P & G	HWY	2538938	2538940	2538945	2538933(A)
8.00-16.5	POLYESTER	HWY	2538937	2538938	2538942	2538945
8.75-16.5	POLYESTER	HWY	2538935	2538937	2538941	2538945
HR78-15	P & S	HWY	2538938	2538939	2538943	2538933(B)
L78-15	P & G	HWY	2538936	2538937	2538941	2538945
LR78-15	P & S	HWY	2538937	2538938	2538942	2538945
10-15	NYLON	HWY	2538935	2538936	2538941	2538943
9.50-16.5	POLYESTER	HWY	2538934	2538936	2538940	2538943
7.00-16	NYLON	MUD & SNOW	2538935	2538936	2538941	2538943
7.50-16	NYLON	MUD & SNOW	2538934	2538935	2538939	2538942
8.00-16.5	NYLON	MUD & SNOW	2538936	2538938	2538943	2538942(A)
8.75-16.5	NYLON	MUD & SNOW	2538935	2538937	2538941	2538943
9.50-16.5	NYLON	MUD & SNOW	2538935	2538936	2538941	2538943
9.50R-16.5	P & S	MUD & SNOW		2538935		

ADAPTERS

PART NO.	RATIO (See Ref. No. 8)
1933049(A)	.8794 to 1 Ratio
2235626(B)	.6944 to 1 Ratio

PINION, SPEEDOMETER

3410024 - 24 Th.	3410025 - 25 Th.
2538926 - 26 Th.	2538927 - 27 Th.
2538928 - 28 Th.	2538929 - 29 Th.
2538930 - 30 Th.	2538931 - 31 Th.
2538932 - 32 Th.	2538933 - 33 Th.
2538934 - 34 Th.	2538935 - 35 Th.
2538936 - 36 Th.	2538937 - 37 Th.
2538940 - 40 Th.	2538941 - 41 Th.
2538942 - 42 Th.	2538943 - 43 Th.
2538945 - 45 Th.	

LIGHT A = All Sport Utility (Ramcharger).	B = All Compact Models.	D = Conventional Cab.
DUTY AD = 2 Wheel Drive Only (Ramcharger).	CB-MB = Compact Front Section Only.	W = Conventional Cab 4 Wheel Drive.
CODES: AW = 4 Wheel Drive Only (Ramcharger).	P = Forward Control Chassis.	M = Motor Home.

MEDIUM-HEAVY CODES: XNT = Low Cab Forward. D = Conventional Cab. S = School Bus. W = 4-Wheel Drive.

AR=Use as Required

= New Part Number

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