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FOLLOWING IS THE NUMBERING SYSTEM FOR STANDARD TRANSMISSION HARD PARTS AND HOW IT IS BROKEN DOWN.

- THE PART NUMBER WILL ALWAYS START WITH AN **M**.
- THE NEXT SET OF NUMBERS REPRESENT THE TRANSMISSION MANUFACTURER.

10. GM	20. BORGWARNER
11. FORD	21. MUNCIE
12. CHRYSLER	22. NEW PROCESS/VENTURE
13. MITSUBISHI	23. GETRAG
14. HONDA	24. TREMEC
15. ISUZU	25. ZF
16. MAZDA	26. TOYO KOGYO
17. NISSAN	27. CLARK
18. SUBARU	28. SAGINAW
19. TOYOTA	29. AISIN WARNER

- THE NEXT NUMBER IS THE COMPONENT.

1. INPUT SHAFT
2. OUTPUT/MAINSHAFT
3. CLUSTER/COUNTERSHAFT
4. GEARS
5. SYNCHRONIZER
6. SYNCHRONIZER RINGS
7. FORK
8. RETAINER
9. MISCELLANEOUS

- THE LAST SET OF NUMBERS IS THE DESIGN LEVEL OF THE PART.

EXAMPLE:      **M**      **20**      **4**      **02**  
MANUAL      TRANS      PART      LEVEL  
COMPONENTS

THE EXAMPLE REFERS TO A GEAR FOR A BORGWARNER TRANSMISSION.

# Standard Transmission Hard Parts



Part	Notes	Part #	Reference #
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## AISIN-WARNER AX5 & AX15

<b>AISIN-WARNER AX5 &amp; AX15 JEEP (4 CYL.) &amp; (6 CYL.)</b>			
INPUT SHAFT	(84-87 W/B32-14 BEARING) - AX5	M29-1-02	83500554
INPUT SHAFT	(84-87 W/32TM03 BEARING) - AX5	M29-1-04	83502682
INPUT SHAFT	(LATE 88-ON) - AX5	M29-1-06	83506020
INPUT SHAFT	(86-91) - AX15	M29-1-08	5252081
INPUT SHAFT	(92-ON) - AX15	M29-1-10	5252085
COUNTERSHAFT	(84-88 W/NUT) - AX5	M29-3-02	83500557
COUNTERSHAFT	(88-ON W/SNAP RING) - AX5	M29-3-04	83506023
COUNTERSHAFT	(86-ON) - AX15	M29-3-08	4636371
GEAR	5TH GEAR MAINSHAFT - AX5	M29-4-02	83500971
GEAR	5TH GEAR SET - AX5	M19-4-02	NA
GEAR	5TH GEAR UPDATE KIT - AX15	M29-4-04	4636370
GEAR	5TH GEAR COUNTERSHAFT - AX5	M29-4-06	83506022
SYNCHRONIZER	5TH/REVERSE SLIDER (ALUM. FORK DESIGN) - AX5	M29-5-06	4746657
RETAINER	FRONT W/SNOUT 5 SPEED JEEP AX5	M29-8-02	83502685
RETAINER	FRONT W/O SNOUT JEEP AX4, AX5	M29-8-04	83503112
MISC	5TH GEAR NEEDLE BEARING COUNTERSHAFT - AX5	M29-9-04	83500644

## BORG-WARNER T5 WORLD CLASS

<b>BORG-WARNER T5 WORLD CLASS VARIOUS APPLICATIONS - (REFER TO MODEL CODES FOR CORRECT PART)</b>			
INPUT SHAFT	21T, 14 SPLINE - <b>CODE: 145, 191</b>	M20-1-02	1352-085-003
INPUT SHAFT	23T, 10 SPLINE <b>CODE: 126, 141, 165, 169, 199, 204, 208, 229</b>	M20-1-06	1352-085-025
INPUT SHAFT	21T, 14 SPLINE <b>CODE: 198, 221, 222, 232, 233, 234</b>	M20-1-08	1352-085-045
INPUT SHAFT	23T, 10 SPLINE - <b>CODE: 218, 239</b>	M20-1-10	1352-085-050
INPUT SHAFT	21T, 26 SPLINE - <b>CODE: 216</b>	M20-1-14	1352-085-048
INPUT SHAFT	23T, 10 SPLINE - <b>CODE: 219, 238, 246, 260</b>	M20-1-16	1352-085-052
OUTPUT SHAFT	28 SPLINE (5TH 28 SPLINE) <b>CODE: ALL (EXC. 142, 163, 174, 188, 218, 239, 242, 249, 251, 254, 260)</b>	M20-2-06	1352-671-035
OUTPUT SHAFT	27 SPLINE (5TH 27 SPLINE) <b>CODE: 191</b>	M20-2-08	1352-671-097
OUTPUT SHAFT	27 SPLINE (5TH, 27 SPLINE) <b>CODE: 216, 221, 222, 232, 233, 247</b>	M20-2-10	1352-671-105
OUTPUT SHAFT	28 SPLINE (5TH 28 SPLINE) - <b>CODE: 260</b>	M20-2-12	1352-671-129

(CONTINUED NEXT PAGE)

Part	Notes	Part #	Reference #
<b>BORG-WARNER T5 WORLD CLASS (CONTINUED)</b>			
COUNTERSHAFT	34T-29T-23T-15T-15T <b>CODE: 199, 204, 208, 218, 219, 229, 239, 242, 246, 253, 254, 260</b>	M20-3-02	1352-077-068
COUNTERSHAFT	37T-32T-23T-15T-14T - <b>CODE: 170, 190, 191</b>	M20-3-04	1352-077-062
COUNTERSHAFT	34T-32T-23T-15T-15T <b>CODE: 126, 141, 169, 238</b>	M20-3-08	1352-077-052
COUNTERSHAFT	31T-29T-22T-15T-14T <b>CODE: 212, 213, 225, 227, 240, 247, 248, 251</b>	M20-3-06	1352-077-070
COUNTERSHAFT	37T-32T-23T-15T-14T <b>CODE: 177, 197, 214, 223, 228</b>	M20-3-12	1352-077-054
COUNTERSHAFT	33T-31T-23T-15T-14T <b>CODE: 155, 162, 194, 207, 209, 226, 237, 243, 255, 256</b>	M20-3-14	1352-077-048
GEAR	2ND SPEED 31T - MAINSHAFT <b>CODE: 199, 204, 208, 218, 219, 229</b>	M20-4-10	1352-080-152
GEAR	2ND GEAR 30T - MAINSHAFT <b>CODE: 126, 141, 165, 169, 238</b>	M20-4-12	1352-080-060
GEAR	2ND GEAR 33T - MAINSHAFT <b>CODE: 175, 176, 188, 195, 196, 197, 212, 213, 225, 227, 240, 248, 249, 251</b>	M20-4-16	1352-080-028
GEAR	3RD GEAR 27T - MAINSHAFT <b>CODE: 077, 085, 086, 170, 190, 191</b>	M20-4-02	1352-080-017
GEAR	3RD GEAR 26T - MAINSHAFT <b>CODE: 199, 239, 242, 246, 253, 254, 260</b>	M20-4-04	1352-080-151
GEAR	3RD GEAR 27T - MAINSHAFT <b>CODE: 114, 167, 177, 197, 214, 216, 221, 228, 233, 257</b>	M20-4-14	1352-080-046
GEAR	5TH DR GEAR 59T - MAINSHAFT <b>CODE: 141, 155, 162, 167, 169, 194, 198, 199, 204, 207, 208, 209, 215, 218, 219, 239, 242, 246, 250, 252, 253, 258, 260</b>	M20-4-18	1352-080-114
SYNCHRONIZER	3-4 SYNCHRO ASSEMBLY	M20-5-06	1352-590-011
SYNCHRONIZER	1-2 SLIDER	M20-5-02	1352-070-044
RETAINER	FRONT BEARING <b>CODE: 216, 221, 222, 232, 233, 234</b>	M20-8-02	1352-027-003
RETAINER	FRONT BEARING <b>CODE: 150, 175, 176, 177, 195, 196, 197, 210, 212, 213, 214, 228, 240, 245, 248, 250, 252, 258, 259</b>	M20-8-04	1352-027-007
RETAINER	FRONT BEARING - <b>CODE: 247</b>	M20-8-06	1352-027-030
RETAINER	FRONT BEARING - <b>CODE: 257</b>	M20-8-08	1352-027-001
RETAINER	FRONT BEARING <b>CODE: 114, 115, 116, 126, 141, 165, 167, 168, 169, 199, 200, 202, 205</b>	M20-8-10	1352-027-008
RETAINER	FRONT BEARING - <b>CODE: 154, 155, 162, 194, 207, 209</b>	M20-8-12	1352-027-019
RETAINER	FRONT BEARING - <b>CODE: 260</b>	M20-8-14	1352-527-003
MISC	SWITCH BACKUP	M20-9-08	1000-140-013

Part	Notes	Part #	Reference #
<b>BORG-WARNER T-45</b>			
	<b>BORG-WARNER T-45 VARIOUS APPLICATIONS</b>		
INPUT SHAFT	INPUT	M20-1-24	1381-085-001
OUTPUT SHAFT	OUTPUT	M20-2-18	1381-171-001
COUNTERSHAFT	COUNTERSHAFT - COMPLETE	M20-3-19	1381-077-001
GEAR	1ST SPEED MAINSHAFT	M20-4-45	1381-081-001
GEAR	2ND SPEED MAINSHAFT	M20-4-41	1381-082-001
GEAR	3RD SPEED MAINSHAFT	M20-4-42	1381-083-001
GEAR	5TH SPEED MAINSHAFT	M20-4-46	1381-070-001
GEAR	5TH SPEED COUNTERSHAFT	M20-4-40	1381-086-001
GEAR	REVERSE COUNTERSHAFT	M20-4-43	1381-088-002
GEAR	REVERSE MAINSHAFT	M20-4-44	1381-088-001
SYNCHRONIZER	SYNCHRO ASSEMBLY - 5TH/REVERSE	M20-5-26	1381-590-001
SYNCHRONIZER	SYNCHRO ASSEMBLY - REVERSE SYNCHRO HUB	M20-5-27	1381-590-002
FORK	3RD/4TH FORK & PADS ASSEMBLY	M20-7-08	1381-596-004
FORK	5TH/REV FORK & PADS ASSEMBLY	M20-7-10	1381-596-003
FORK	1ST/2ND FORK & PADS ASSEMBLY	M20-7-12	1381-596-001
<b>BORG-WARNER T-56</b>			
	<b>BORG-WARNER T-56 VARIOUS APPLICATIONS</b>		
INPUT SHAFT	INPUT SHAFT - <b>CODE: 017, 020</b>	M20-1-18	1386-585-010
INPUT SHAFT	INPUT GEAR - <b>CODE: 009, 013, 016</b>	M20-1-20	1386-585-005
OUTPUT SHAFT	OUTPUT - <b>CODE: ALL</b>	M20-2-14	1386-171-003
GEAR	1ST SPEED - <b>CODE: ALL</b>	M20-4-36	1386-081-007
GEAR	2ND SPEED - <b>CODE: 003,005,009,013,014,016,017,018</b>	M20-4-28	1386-082-005
GEAR	2ND SPEED - <b>CODE: 015, 019</b>	M20-4-34	1386-082-006
GEAR	3RD SPEED - <b>CODE: ALL</b>	M20-4-22	1386-083-007
GEAR	5TH SPEED - <b>CODE: ALL</b>	M20-4-30	1386-086-004
GEAR	6TH SPEED - <b>CODE: ALL</b>	M20-4-32	1386-087-004
GEAR	5-6 SPEED DRIVEN - <b>CODE: ALL</b>	M20-4-24	1386-070-002
GEAR	REVERSE DRIVEN - <b>CODE: ALL</b>	M20-4-26	1386-088-003
SYNCHRONIZER	1ST/2ND SYNCHRO- <b>CODE:ALL EXC. 015, 019</b>	M20-5-20	1386-590-001
SYNCHRONIZER	1-2 SYNCHRO ASSEMBLY - <b>CODE:015, 019</b>	M20-5-16	1386-590-008
SYNCHRONIZER	3-4 SYNCHRO - <b>CODE:015, 019</b>	M20-5-22	1386-590-006
SYNCHRONIZER	3-4 SYNCHRO ASSEMBLY- <b>CODE:ALL EXC. 015, 019</b>	M20-5-10	1386-590-002
SYNCHRONIZER	5-6 SYNCHRO ASSEMBLY- <b>CODE:ALL EXC. 015, 019</b>	M20-5-15	1386-590-003
SYNCHRONIZER	REV. SYNCHRO ASSEMBLY - <b>CODE:ALL EXC. 021</b>	M20-5-14	1386-590-004
FORK	FORK GM ONLY	M20-7-04	1386-596-014

Part	Notes	Part #	Reference #
<b>GETRAG G360</b>			
<b>GETRAG G360 - DODGE TRUCK DEISEL</b>			
INPUT SHAFT	INPUT SHAFT - 25T	M23-1-02	4728615
MAINSHAFT	2 WD	M23-2-02	4740146
MAINSHAFT	4 X 4	M23-2-04	4740147
COUNTERSHAFT	W/5TH GEAR (CLUSTER)	M23-3-04	4740137
COUNTERSHAFT	SHAFT ONLY	M23-3-02	NA
GEAR	3RD GEAR 30T - MAINSHAFT	M23-4-06	4740150
GEAR	5TH GEAR 21T - MAINSHAFT	M23-4-08	4740163
GEAR	5TH GEAR 48T - COUNTERSHAFT	M23-4-10	NA
SYNCHRONIZER	3-4 SYNCHRO ASSEMBLY	M23-5-02	4740151
SYNCHRONIZER	1-2 SYNCHRO ASSEMBLY	M23-5-04	4740152
FORK	1-2 SHIFT FORK	M23-7-02	NA
FORK	3-4 SHIFT FORK	M23-7-04	NA
FORK	5TH/REVERSE SHIFT FORK	M23-7-06	NA
RETAINER	FRONT BEARING RETAINER	M23-8-02	4740145
MISC	TOP COVER GASKET	M23-9-02	NA
MISC	COUNTERSHAFT SNAP RING (FRONT & REAR)	M23-9-08	NA
<b>ISUZU</b>			
<b>ISUZU - TROOPER</b>			
INPUT SHAFT	23T (TROOPER 84-87)	M15-1-02	8-97257-942-1
INPUT SHAFT	25T (4 CYL 88-ON) 9 1/4"	M15-1-04	8-97100-908-2
INPUT SHAFT	25T (6 CYL 88-ON) 9 3/4"	M15-1-06	8-97104-013-2
COUNTERSHAFT	37-33-20-17 (TROOPER 84-87)	M15-3-02	8-97771-979-1
COUNTERSHAFT	46-38-31-21 (88-10/91)	M15-3-04	8-94421-903-3
COUNTERSHAFT	46-38-27-21 (10/91-On)	M15-3-06	8-97100-912-0

Part	Notes	Part #	Reference #
<b>MAZDA - M5R1</b>			
<b>MAZDA - M5R1 - FORD RANGER/EXPLORER</b>			
INPUT SHAFT	23T (2.3L, 2.9L, 3.0L)	M16-1-02	FOTZ7017B
INPUT SHAFT	23T (4.0L)	M16-1-04	FOTZ7017A
MAINSHAFT	4 X 4	M16-2-02	E8TZ7061B
COUNTERSHAFT	38T-32T-24T-16T (2.3L, 2.9L, 3.0L)	M16-3-02	E8TZ7113D
COUNTERSHAFT	38T-34T-25T-17T (4.0L)	M16-3-04	FOTZ7113A
GEAR	2ND GEAR 31T - MAINSHAFT	M16-4-12	FOTZ7102A
GEAR	2ND GEAR 32T - MAINSHAFT	M16-4-10	E8TZ7102A
GEAR	3RD GEAR 27T - MAINSHAFT	M16-4-06	FOTZ7101A
GEAR	3RD GEAR 29T - MAINSHAFT	M16-4-04	E8TZ7101A
GEAR	5TH GEAR W/SPACER - MAINSHAFT	M16-4-08	FOTZ7112A
GEAR	5TH GEAR COUNTERSHAFT(UPDATED)-30T SYNCHRO	M16-4-02	F1TZ7158A
GEAR	REVERSE GEAR -COUNTERSHAFT-36T SYNCHRO	M16-4-20	NA
GEAR	REVERSE GEAR-COUNTERSHAFT-30T SYNCHRO	M16-4-22	F1TZ7N040C
SYNCHRONIZER	5TH/REVERSE SLIDER - 36T SYNCHRO	M16-5-02	NA
SYNCHRONIZER	5TH/REVERSE SLIDER - 30T SYNCHRO	M16-5-04	NA
SYNCHRONIZER	REVERSE KIT 36T SYNCHRO GEAR/SLIDER/RING	M16-5-10	NA
SYNCHRONIZER	REVERSE KIT 30T SYNCHRO GEAR/SLIDER/RING	M16-5-12	NA
SYNCHRONIZER	3-4 GEAR HUB & SLIDER	M16-5-14	NA
SYNCHRONIZER	3-4 GEAR SYNCHRO ASSEMBLY - COMPLETE	M16-5-16	F2TZ7124C
FORK	1-2 SHIFT FORK	M16-7-02	E8TZ7230A
FORK	3-4 SHIFT FORK	M16-7-04	E8TZ7231A
MISC	EXTENSION HOUSING BUSHING	M16-9-02	E8TZ7A039A
MISC	REAR RETAINER PLATE	M16-9-04	E8TZ7085A
MISC	MAINSHAFT NUT	M16-9-06	E8TZ7B364A
MISC	COUNTERSHAFT NUT	M16-9-08	E8TZ7N170A
MISC	OIL TROUGH	M16-9-14	E8TZ7A174C
MISC	SHIFT STICK RUBBER RETAINER	M16-9-28	E8TZ7277A

Part	Notes	Part #	Reference #
<b>MAZDA - M5R2</b>			
	<b>MAZDA - M5R2 - FORD F150</b>		
INPUT SHAFT	(88-95) 11" OVERALL LENGTH	M16-1-06	E8TZ7107E
INPUT SHAFT	(96-ON) 11 3/8" OVERALL LENGTH	M16-1-08	F65Z7017AA
MAINSHAFT	4 X 4	M16-2-20	E8TZ7061D
COUNTERSHAFT	37T-31T-24T-15T	M16-3-12	E8TZ7113B
GEAR	3RD GEAR 30T - MAINSHAFT	M16-4-14	E8TZ7101B
GEAR	5TH GEAR 27T - MAINSHAFT	M16-4-16	E8TZ7112B
GEAR	5TH GEAR COUNTERSHAFT(UPDATED)-33T SYNCHRO	M16-4-24	F1TZ7158C
GEAR	REVERSE GEAR-COUNTERSHAFT-36T SYNCHRO	M16-4-26	E8TZ7N040B
GEAR	REVERSE GEAR 15T-COUNTERSHAFT-33T SYNCHRO	M16-4-18	XL3Z7N040AA
SYNCHRONIZER	5TH/REVERSE SLIDER - 36T SYNCHRO	M16-5-06	NA
SYNCHRONIZER	5TH/REVERSE SLIDER - 33T SYNCHRO	M16-5-08	F1TZ7124F
SYNCHRONIZER	3-4 GEAR HUB & SLIDER	M16-5-18	F1TZ7124H
SYNCHRONIZER	3-4 GEAR SYNCHRO ASSEMBLY - COMPLETE	M16-5-20	F1TZ7124M
SYNCHRONIZER	REVERSE KIT 36T SYNCHRO GEAR/SLIDER/RING	M16-5-24	NA
SYNCHRONIZER	REVERSE KIT 33T SYNCHRO GEAR/SLIDER/RING	M16-5-26	NA
FORK	1-2 SHIFT FORK	M16-7-06	F1TZ7230A
FORK	3-4 SHIFT FORK	M16-7-08	F1TZ7231A
MISC	OIL TROUGH	M16-9-16	E8TZ7A174D
MISC	REAR RETAINER PLATE	M16-9-18	E8TZ7085B
MISC	COUNTERSHAFT NUT	M16-9-08	E8TZ7N170A
MISC	MAINSHAFT NUT	M16-9-20	E8TZ7B364B
MISC	SHIFT STICK RUBBER RETAINER	M16-9-28	E8TZ7277A
<b>MAZDA TK-5</b>			
	<b>MAZDA TK-5</b>		
INPUT SHAFT	11 1/2" OVERALL LENGTH	M16-1-10	E3TZ7017E
INPUT SHAFT	10 1/4" OVERALL LENGTH	M16-1-12	E3TZ7017A
INPUT SHAFT	10 1/4" OVERALL LEN. (LATE W/SYNCHRO STOPS)	M16-1-14	E69Z7017A
MAINSHAFT	4 X 4 - MAINSHAFT	M16-2-18	E6TZ7061G
COUNTERSHAFT	COUNTERSHAFT	M16-3-20	E3TZ7113F

Part	Notes	Part #	Reference #
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## MITSUBISHI FM145 & FM146

MITSUBISHI FM145 & FM146 - FORD RANGER/BRONCO II			
INPUT SHAFT	19T FM145	M13-1-02	E5TZ7017A
INPUT SHAFT	20T FM146	M13-1-04	E8TZ7017D
COUNTERSHAFT	FM145	M13-3-02	E5TZ7113A
COUNTERSHAFT	FM146	M13-3-04	E8TZ7113C
GEAR	5TH GEAR SET 18T & 31T (UPDATED) ALL	M13-4-02	F2TZ7C391A
FORK	1-2 SHIFT FORK - ALL	M13-7-02	E5TZ7230A
FORK	5TH REVERSE SHIFT FORK - ALL	M13-7-04	E5TZ7231A
FORK	3-4 SHIFT FORK - ALL	M13-7-06	E5TZ7289A

## MITSUBISHI TRUCK & DODGE D50

MITSUBISHI TRUCK & DODGE D50			
INPUT SHAFT	19T	M13-1-06	MD703707
INPUT SHAFT	19T W/1 I.D. GROOVE	M13-1-08	MD703782
INPUT SHAFT	W/TMSC0788N BEARING	M13-1-10	MD725078
COUNTERSHAFT	28T-26T-20T-12T	M13-3-06	MD703717
COUNTERSHAFT	28T-26T-20T-13T	M13-3-08	MD728215
GEAR	5TH GEAR SET 18T & 31T	M13-4-02	MB886616
FORK	1-2 SHIFT FORK - ALL	M13-7-02	MD718064
FORK	5TH REVERSE SHIFT FORK - ALL	M13-7-04	MD703865
FORK	3-4 SHIFT FORK - ALL	M13-7-06	MD703555



# Standard Transmission Hard Parts



Part	Notes	Part #	Reference #
<b>MUNCIE 465</b>			
	<b>MUNCIE 465 - GM TRUCK HEAVY DUTY</b>		
INPUT SHAFT	1 1/2" SPLINE 10 11/16" LENGTH	M21-1-02	3901176
INPUT SHAFT	1 1/8" SPLINE 9 5/8" LENGTH	M21-1-04	3901175
GEAR	1ST GEAR - MAINSHAFT	M21-4-06	476766
GEAR	2ND GEAR - MAINSHAFT	M21-4-08	3901158
GEAR	3RD GEAR - MAINSHAFT	M21-4-02	3901161
GEAR	3RD GEAR & SLIDER - MAINSHAFT	M21-4-04	NA
GEAR	REVERSE GEAR - MAINSHAFT	M21-4-10	3901170
GEAR	REVERSE IDLER GEAR 23T	M21-4-12	3901141
SYNCHRONIZER	3-4 SYNCHRO HUB	M21-5-02	3891164
SYNCHRONIZER	3-4 SYNCHRO SLEEVE	M21-5-04	3901165
RETAINER	FRONT BEARING (37/64" PILOT)	M21-8-02	3901178
RETAINER	FRONT BEARING (1" PILOT)	M21-8-04	3905403
<b>NEW PROCESS 435</b>			
	<b>NEW PROCESS 435 - TRUCK - GM/FORD/DODGE</b>		
INPUT SHAFT	S21-17T, 11 11/16" LENGTH (CHEVY)	M22-1-02	96004
INPUT SHAFT	S10-17T, 10 1/16" LENGTH (FORD)	M22-1-06	96372
INPUT SHAFT	S21-17T, 1 3/8" SPLINE, 9 5/16" LENGTH (FORD)	M22-1-04	95723
INPUT SHAFT	S21-17T, 1 1/16" SPLINE, 9 1/8" LENGTH (FORD)	M22-1-08	96383
INPUT SHAFT	S21-17T, 12 7/16" LENGTH (COMMERCIAL)	M22-1-10	95993
INPUT SHAFT	S23-17T, 10 7/8" LENGTH (DODGE)	M22-1-12	97672
MAINSHAFT	35T-10T-35T	M22-2-02	96009
MAINSHAFT	35T-10T-10T, 16 3/4" LENGTH	M22-2-04	NA
MAINSHAFT	35T-10T-28T, 16 23/32" LENGTH	M22-2-06	96374
MAINSHAFT	35T-10T-32T, 19 1/2" LENGTH	M22-2-08	NA
COUNTERSHAFT	43T-35T-25T-14T, 11 1/4" LENGTH	M22-3-02	95733
GEAR	REVERSE IDLER GEAR (BEARING STYLE)	M22-4-06	NA
GEAR	1ST GEAR - MAINSHAFT	M22-4-12	97121
GEAR	2ND GEAR 33T - MAINSHAFT	M22-4-14	95726
GEAR	3RD GEAR 23T - MAINSHAFT	M22-4-10	95708
SYNCHRONIZER	3-4 GEAR SYNCHRO ASSEMBLY	M22-5-06	NA
SYNCHRONIZER	3-4 GEAR SYNCHRO ASSEMBLY W/RINGS	M22-5-04	NA
SYNCHRONIZER	2ND GEAR SYNCHRO RING W/PINS	M22-5-08	95727
RETAINER	FRONT BEARING (FORD)	M22-8-02	13359
RETAINER	FRONT BEARING (DODGE)	M22-8-04	97552

Part	Notes	Part #	Reference #
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## NEW VENTURE 535

NEW VENTURE 535 - VARIOUS APPLICATIONS			
INPUT SHAFT	INPUT SHAFT	M22-1-14	4338190
MAINSHAFT	2 WD	M22-2-12	4338192
MAINSHAFT	4 X 4	M22-2-14	4338194
COUNTERSHAFT	ASSEMBLY W/5TH GEAR	M22-3-04	4504567
GEAR	REVERSE GEAR - MAINSHAFT	M22-4-16	4338132
SYNCHRONIZER	3-4 GEAR SYNCHRO ASSEMBLY	M22-5-02	4338225

## NEW VENTURE 3500 & GETRAG HM290

NEW VENTURE 3500 & GETRAG HM290 - DODGE/GM LIGHT TRUCK			
INPUT SHAFT	GM (EARLY W/STEP) 88-91	M22-1-16	23049683
INPUT SHAFT	GM (LATE W/O STEP) 91-95	M22-1-18	12540345
INPUT SHAFT	GM (LATE W/O STEP) 96-UP	M22-1-22	12547396
INPUT SHAFT	DODGE( EARLY)	M22-1-20	4741294
INPUT SHAFT	DODGE (LATE) W/1" BEARING	M22-1-24	4883472AA
COUNTERSHAFT*	34T-28T-22T-14/14T, 1" JOURNAL GM 88-90	M22-3-06	23049687
COUNTERSHAFT*	34T-28T-22T-14/14T, 1.18" JOURNAL GM 91-93	M22-3-08	8677746
COUNTERSHAFT*	34T-28T-22T-14T(LONG), 1.18" JOURNAL GM/DODGE 94-UP	M22-3-10	12545780
COUNTERSHAFT*	34T-28T-23T-15T-14T( 2 3/8" LONG) -37T, 1.18" JOURNAL GM/DODGE 94-UP	M22-3-14	12548347
COUNTERSHAFT*	34T-28T-23T-15T-14T( 1 1/8" LONG) -37T, 1.18" JOURNAL GM S10 96-UP	M22-3-12	12547404
COUNTERSHAFT*	34T-28T-23T-15T-14T-43T 1.31" JOURNAL GM 96-UP	M22-3-16	12547403
COUNTERSHAFT*	46T-37T-22T-14T(LONG)-52T, 1.18" JOURNAL DODGE 97-UP	M22-3-18	4874310
RETAINER	(GM) FRONT BEARING - W/BALL BEARING	M22-8-06	12388896
RETAINER	(GM) FRONT BEARING - W/3 PIECE BEARING	M22-8-08	12388895
MISC	SEAL (INSIDE STICK) 2.16 O/D	M22-9-02	NA
MISC	SEAL (INSIDE STICK) 2.69 O/D	M22-9-04	NA
MISC	BUSHING GETRAG	M22-9-06	NA
<p>* NOTE: THE SMALLEST END OF THE COUNTERSHAFT MAY HAVE 1 (<b>LONG</b>) GEAR OR 2 (<b>NARROW</b>) GEARS WITH THE SAME OR DIFFERENT TOOTH COUNT.                      PART #'S: <b>M22-3-12/14/16/18</b> INCLUDE THE 5TH DRIVE GEAR</p>			

Part	Notes	Part #	Reference #
<b>NEW VENTURE 4500</b>			
<b>NEW VENTURE 4500 - DODGE/GM TRUCK (CAST IRON CASE)</b>			
INPUT SHAFT	GM (92-93)	M22-1-30	15637293
INPUT SHAFT	GM (94-96)	M22-1-32	12548483
INPUT SHAFT	DODGE (96 W/V8)	M22-1-34	4882357
INPUT SHAFT	DODGE (96 W/V10/DIESEL)	M22-1-36	4882358
INPUT SHAFT	CLUTCH RING AND CONE - S48-S42/39T	M22-5-36	12386535
MAINSHAFT	GM 4 X 4	M22-2-34	12382861
MAINSHAFT	DODGE 4 X 4 DIESEL	M22-2-36	5003218AA
MAINSHAFT	DODGE 4 X 2 DIESEL	M22-2-38	5003222AA
COUNTERSHAFT	ALL 1 PIECE (90-96)	M22-3-30	12382796
COUNTERSHAFT	ALL 1 PIECE - DODGE (97-01)GM (97-01)	M22-3-32	12382834
GEAR	DRIVE GEAR 39T - COUNTERSHAFT GM 92-93	M22-4-30	15637268
GEAR	DRIVE GEAR 38T - COUNTERSHAFT GM 94-95, DODGE 92-95	M22-4-32	4637704
GEAR	2ND GEAR S36/52T - MAINSHAFT - ALL	M22-4-34	15637281
GEAR	3RD GEAR 48T MAINSHAFT (USE W/M22-3-30) - ALL (96 ONLY)	M22-4-42	12382792
GEAR	5TH GEAR 31T - MAINSHAFT - GM 92-93	M22-4-04	15635278
GEAR	5TH GEAR MAINSHAFT GM 94-96, DODGE (EXC. V10/DIESEL)	M22-4-08	12548339
GEAR	5TH GEAR -22T MAINSHAFT (V10/DIESEL 94-96)	M22-4-38	12473260
GEAR	5TH GEAR 51T - COUNTERSHAFT - ALL 94-96	M22-4-36	12548338
GEAR	5TH SYNCRO GEAR - COUNTERSHAFT	M22-4-40	12547204
GEAR	REVERSE GEAR 35T MAINSHAFT (SINGLE PLANE REVERSE) GM	M22-4-44	12382876
SYNCHRONIZER	3-4 GEAR SYNCHRO SLEEVE - ALL	M22-5-30	12542866
SYNCHRONIZER	3-4 GEAR SYNCHRO ASSEMBLY - ALL (USE W/M22-5-36)	M22-5-32	12542865
SYNCHRONIZER	REVERSE GEAR CLUTCH RING W/O CONE MAINSHAFT - ALL	M22-5-34	12547203
SYNCHRONIZER	CLUTCH RING AND CONE - S48-S42/39T	M22-5-36	12386535
SYNCHRO RING	1-2 SYNCHRO RING - ALL	M22-6-30	15635219
SYNCHRO RING	1-2 SYNCHRO INNER STEEL RING - ALL	M22-6-32	15635216
SYNCHRO RING	1-2 SYNCHRO OUTER STEEL RING - ALL	M22-6-34	15637274
SYNCHRO RING	3-4 GEAR SYNCHRO INNER HUB - ALL	M22-6-36	15637287
SYNCHRO RING	3-4 SYNCHRO RING - ALL	M22-6-40	15637286
SYNCHRO RING	5TH & REVERSE SYNCHRO RING - ALL	M22-6-38	15637298
FORK	SHIFT FORK 5TH (93-95)	M22-7-30	12548292
FORK	SHIFT FORK 3-4	M22-7-32	12382883
(CONTINUED NEXT PAGE)			

# Standard Transmission Hard Parts



Part	Notes	Part #	Reference #
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## NEW VENTURE 4500 (CONTINUED)

MISC	1-2 SYNCHRO ASSEMBLY KEY	M22-9-30	15637285
MISC	1-2 SYNCHRO ASSEMBLY SPRING	M22-9-34	15637912
MISC	REVERSE GEAR SLEEVE - MAINSHAFT (USE W/M22-6-38)	M22-9-32	15637291
MISC	NUT - MAINSHAFT - 5TH GEAR	M22-9-36	050033228AA

## NISSAN

### NISSAN - TRUCK

INPUT SET	(4 X 4 8/86-93)	M17-1-02	32200-55S53
INPUT SET	(2 WD 8/86-93)	M17-1-04	32200-05G58
INPUT SET	(2 WD 7/93-ON)	M17-1-06	32200-70L97
COUNTERSHAFT	13T-19T-28T (4 X 4 8/86-ON)	M17-3-02	32212-15G60
GEAR	5TH GEAR 45T 1 I.D. SENTRA 86-ON	M17-4-20	32310-53A11
GEAR	5TH GEAR 45T NO I.D. SENTRA 86-ON	M17-4-22	32310-D0211
GEAR	5TH GEAR SET 21T & 39T	M17-4-02	32310-55S50
GEAR	5TH GEAR SET 24T & 45T	M17-4-04	32310-V5050
GEAR	5TH GEAR SET 22T & 37T	M17-4-06	32310-58S54
GEAR	5TH GEAR SET 21T & 39T (4 X 4 1/93-ON)	M17-4-08	32310-36N50
GEAR	REVERSE IDLER GEAR 21T	M17-4-10	32282-V5001
GEAR	REVERSE IDLER GEAR 22T	M17-4-12	32282-E9810
GEAR	REVERSE GEAR KIT	M17-4-14	NA
GEAR	REVERSE GEAR 36T - MAINSHAFT	M17-4-16	32245-VH004
GEAR	REVERSE GEAR 15T - COUNTERSHAFT	M17-4-18	32220-V5070
SYNCHRONIZER	5TH/REVERSE SLIDER (1/92-ON)	M17-5-02	32618-36N10
SYNCHRONIZER	REVERSE SLIDER (FOR M17-4-10) - MAINSHAFT	M17-5-04	32245-V5060
MISC	NUT LEFT THREAD - MAINSHAFT	M17-9-02	32354-E9803
MISC	NUT RIGHT THREAD - MAINSHAFT	M17-9-04	32354-A7400
MISC	HEX NUT - COUNTERSHAFT	M17-9-06	32354-E9500

## TOYOTA

### TOYOTA TRUCK

INPUT SHAFT	G52	M19-1-02	33301-26012
INPUT SHAFT	L52	M19-1-04	33301-35031
INPUT SHAFT	W56	M19-1-06	33301-30080
COUNTERSHAFT	G52	M19-3-02	33421-26071
COUNTERSHAFT	L52	M19-3-04	33421-35H02
COUNTERSHAFT	W56	M19-3-06	33421-30170
GEAR	5TH GEAR SET G52 & L52	M19-4-02	33336-28020

Part	Notes	Part #	Reference #
<b>TREMEC TR-3550 &amp; TKO</b>			
	<b>FORD (AFTERMARKET APPLICATION) TREMEC TR-3550 (REGULAR DUTY) &amp; TKO (HI-PERFORMANCE)</b>		
INPUT SHAFT	10 SPLINE TR-3550	M24-1-02	2606241
INPUT SHAFT	26 SPLINE TKO	M24-1-04	2606412
MAINSHAFT	28 SPLINE TR-3550	M24-2-02	2606242
MAINSHAFT	31 SPLINE TKO	M24-2-06	2606413
COUNTERSHAFT	W/INTEGRAL 1ST/2ND GEARS - ALL	M24-3-04	2606225
GEAR	1ST GEAR MAINSHAFT	M24-4-14	2606070
GEAR	2ND GEAR MAINSHAFT	M24-4-04	2606074
GEAR	3RD GEAR MAINSHAFT - ALL	M24-4-02	2606262
GEAR	3RD GEAR MAINSHAFT -ALL(SPECIAL ROAD RACE)	M24-4-06	NA
GEAR	3RD GEAR - COUNTERSHAFT - ALL	M24-4-12	2606233
GEAR	3RD GEAR COUNTERSHAFT - ALL (SPECIAL ROAD RACE)	M24-4-08	NA
GEAR	4TH GEAR - COUNTERSHAFT	M24-4-10	2606232
SYNCHRONIZER	1ST/2ND SYNCHRO ASSEMBLY - ALL	M24-5-02	2670739
SYNCHRONIZER	3RD/4TH SYNCHRO ASSEMBLY - ALL	M24-5-04	2606082
SYNCHRONIZER	4TH GEAR CLUTCH CONE - ALL	M24-5-06	2605768
RETAINER	BEARING RETAINER - ALL	M24-8-02	2605314
MISC	31 SPLINE YOKE	M24-9-08	NA
MISC	SHIM KIT	M24-9-12	NA

Part	Notes	Part #	Reference #
<b>ZF S5-42</b>			
<b>ZF S5-42 - FORD TRUCK</b>			
INPUT SHAFT	27T, 11 3/4"	M25-1-02	F4TZ7017A
INPUT SHAFT	27T, 9 1/2"	M25-1-04	F4TZ7017B
INPUT SHAFT	34T, 9 5/8"	M25-1-06	F4TZ7017C
MAINSHAFT	4X4, 18 3/4"	M25-2-02	E9TZ7061D
MAINSHAFT	2WD, 16 3/8"	M25-2-04	F3TZ7061A
COUNTERSHAFT	41T-34T-26T-14T-47T	M25-3-02	F4TZ7113B
COUNTERSHAFT	45T-31T-21T-14T-57T	M25-3-04	F4TZ7113A
GEAR	2ND MAINSHAFT 51T	M25-4-02	F4TZ7103B
GEAR	2ND MAINSHAFT 37T	M25-4-04	F4TZ7103A
GEAR	3RD MAINSHAFT 30T	M25-4-06	F4TZ7196A
GEAR	3RD MAINSHAFT 40T	M25-4-24	F4TZ7196B
GEAR	5TH MAINSHAFT 30T	M25-4-08	F4TZ7158B
GEAR	5TH MAINSHAFT 26T	M25-4-10	F4TZ7158A
GEAR	4TH COUNTERSHAFT 45T	M25-4-12	E7TZ7112A
GEAR	4TH COUNTERSHAFT 41T	M25-4-14	E7TZ7112B
GEAR	5TH COUNTERSHAFT 57T	M25-4-16	F4TZ7113A
GEAR	5TH COUNTERSHAFT 47T	M25-4-18	F4TZ7113B
GEAR	REVERSE MAINSHAFT 44T	M25-4-20	F3TZ7142A
SYNCHRONIZER	3-4 ASSY	M25-5-02	F0TZ7124E
SYNCHRONIZER	3-4 HUB	M25-5-06	NA
SYNCHRONIZER	3-4, SLIDER	M25-5-08	NA
SYNCHRONIZER	5-R ASSY	M25-5-04	F0TZ7124C
SYNCHRONIZER	5-R HUB	M25-5-12	NA
SYNCHRONIZER	5-R SLIDER	M25-5-14	NA
SYNCHRO RING	KIT - ALL RINGS	M25-6-02	NA
FORK	1-2 SHIFT W/RAIL	M25-7-02	F5TZ7L183A
FORK	3-4 SHIFT	M25-7-06	E7TZ7230C
FORK	5-R SHIFT	M25-7-08	E7TZ7289C

Part	Notes	Part #	Reference #
<b>ZF S5-47</b>			
	<b>ZF S5-47 - FORD TRUCK</b>		
INPUT SHAFT	29T, 9 1/2"	M25-1-08	F6TZ7017B
MAINSHAFT	4X4, 18 3/4"	M25-2-02	E9TZ7061D
MAINSHAFT	2WD, 16 3/8"	M25-2-04	F3TZ7061A
GEAR	2ND MAINSHAFT 37T	M25-4-30	F6TZ7103A
GEAR	3RD MAINSHAFT 31T	M25-4-26	F6TZ7196B
GEAR	5TH MAINSHAFT 25T	M25-4-28	F6TZ7158B
GEAR	REVERSE MAINSHAFT 44T	M25-4-32	F6TZ7142A
GEAR	4TH COUNTERSHAFT 45T	M25-4-12	E7TZ7112A
GEAR	4TH COUNTERSHAFT 43T	M25-4-22	NA
SYNCHRONIZER	3-4, 5-R SLIDER	M25-5-10	NA
SYNCHRO RING	KIT - ALL RINGS	M25-6-04	NA
FORK	1-2 SHIFT W/RAIL	M25-7-02	F5TZ7L183A
FORK	1-2 SHIFT	M25-7-04	NA
FORK	3-4 SHIFT	M25-7-06	E7TZ7230C
FORK	5-R SHIFT	M25-7-08	E7TZ7289C

NOTES