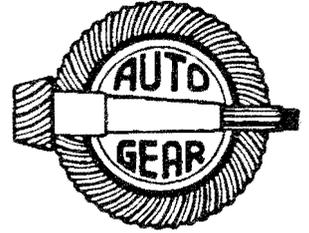


AGE



WARNER GEAR
T45 (13-81)
5-SPEED MANUAL TRANSMISSION
ASSEMBLIES, GEARS & PARTS

APPLICATIONS:
1996-

FORD
FORD MUSTANG

AUTO GEAR COMPANY, INC.

530 State Fair Blvd., Syracuse, New York 13204
800-634-3001, Inside New York: 315-471-8141
Fax Numbers: 315-471-8146 or 800-537-4213



COMPLETE ASSEMBLIES (NEW)

MUSTANG: 8 CYLINDER

3.37/1.99/1.33/1.00/0.67: 4.6L 16v(1996)F6ZR-7003AA ...13-81-000-001
 3.37/1.99/1.33/1.00/0.67: 4.6L 32v(1996)F6ZR-7003CA ...13-81-000-002

SERVICE KITS

OVERHAUL KIT

all(1996)0H1381

BEARING/OILSEAL KIT

all(1996)BK1381

SYNCHRONIZER KIT

all(1996)YN1381

SMALL PARTS KIT

all(1996)SP1381-50

GASKET SET

allnot required

SERVICE MANUAL

all1381-B00K

GROUP A: MAINSHAFT

A1	Mainshaft Spline Donut		
	all		13-86-016-002
A2	Speedometer Gear		
	16 valve V8:		13-81-110-001
	32 valve V8: 7 teeth		13-86-110-004
A3	Speedometer Gear Snapping		
	all .....req.2		4734Y
A4	MAINSHAFT EXTENSION BEARING		
	all	F0TZ-7025B	13-45-130-001
A5	Mainshaft Extension Bearing/Shaft Snapping		
	all .....req.2	F6ZZ-7030A	13-86-139-001
A6	Mainshaft Reverse Gear Thrust Washer		
	.187	as req	13-86-193-004
	.192	as req	13-81-193-002
	.197	as req	13-81-193-003
	.202	as req	13-81-193-004
	.207	as req	13-81-193-005
A7	MAINSHAFT REVERSE GEAR		
	all	F6ZZ-7C238A	13-81-088-001
A8	Mainshaft Reverse Gear Bearing		
	all	F6ZZ-7N168A	13-86-132-005
A9	Mainshaft Reverse Gear Bearing Spacer		
	all	F6ZZ-7C240A	13-86-053-001
A10	Mainshaft Reverse Clutch Hub Snapping		
	all	F6ZZ-7030A	13-86-139-001
A11	MAINSHAFT REVERSE CLUTCH ASSY		
	all	F6ZZ-7124A	13-81-590-002
A11-1	MAINSHAFT REVERSE CLUTCH		
	all		13-81-089-001
A11-2	MAINSHAFT REVERSE CLUTCH HUB		
	all		13-81-090-002



A12	MAINSHAFT 5TH GEAR		
	all	F6ZZ-7K316A	13-81-070-001
A13	MAINSHAFT BEARING ASSY		
	Timken #25520-25572		25520-72
	A13-1 Mainshaft Bearing Cup		
	Timken #25520		25520
	A13-2 Mainshaft Bearing Cone		
	Timken #25572		25572
A14	MAINSHAFT 1ST GEAR		
	all	F6ZZ-7100A	13-81-081-001
A15	Mainshaft 1st Gear Bearing		
	all	F6ZZ-7127A	13-86-132-002
A16	Mainshaft 1st/2nd Synchronizer Snapping		
	all	F6ZZ-7064A	13-00-139-015
A17	Mainshaft 1st/2nd Synchronizer Thrust Washer		
	all req.2	F6ZZ-7Z491A	13-86-193-002
A18	MAINSHAFT 1ST/2ND SYNCHRONIZER ASSY		
	all	F6ZZ-7124B	13-86-590-001
	A18-1 Clutch		
	all	NSS	NSS
	A18-2 Clutch Hub		
	all	NSS	NSS
	A18-3 Strut		
	all req.3	F6ZZ-7A044A	13-86-093-001
	A18-4 Spring		
	all req.2	F6ZZ-7109A	13-86-156-001
A19	MAINSHAFT 1ST/2ND SYNCHRONIZER RING (OUTER)		
	all req.2	F6ZZ-7107A	13-86-091-001
A20	MAINSHAFT 1ST/2ND SYNCHRONIZER RING (CENTER)		
	all req.2	F6ZZ-7174A	13-81-525-001
A21	MAINSHAFT 1ST/2ND SYNCHRONIZER RING (INNER)		
	all req.2	F6ZZ-7175A	13-86-025-001
A22	MAINSHAFT 2ND GEAR		
	all	F6ZZ-7102A	13-81-082-001
A23	Mainshaft 2nd Gear Bearing		
	all	F6ZZ-7B369A	13-00-132-009
A24	MAINSHAFT 3RD GEAR		
	all	F6ZZ-7B340A	13-81-083-001
A25	Mainshaft 3rd Gear Bearing		
	all	F6ZZ-7B369A	13-00-132-009
A26	Mainshaft 3rd Gear Bearing Spacer		
	all	F6ZZ-7B320A	13-86-053-003
A27	MAINSHAFT 3RD/4TH SYNCHRONIZER ASSY		
	all	F6ZZ-7124C	13-86-590-002
	A27-1 Clutch		
	all	NSS	NSS
	A27-2 Clutch Hub		
	all	NSS	NSS
	A27-3 Strut		
	all req.3	E4ZZ-7A044A	13-51-093-001
	A27-4 Spring		
	all req.2	F6ZZ-7109B	13-86-156-003
A28	MAINSHAFT 3RD/4TH SYNCHRONIZER RING		
	all req.2	F6ZZ-7107B	13-81-591-001



A29	Mainshaft 3rd/4th Synchronizer Snapping			
	all	F6ZZ-7064A	13-00-139-015	
A30	MAINSHAFT			
	all	F6ZZ-7061A	13-81-171-001	
A31	EXTENSION ASSY			
	#13-81-066-901: 16 valve V8	(1996) F6ZZ-7A039A	13-81-566-003	
	#13-81-066-902: 32 valve V8	(1996)	13-81-566-004	
A31-1	Extension			
	all	NSS	NSS	
A31-2	Shift Pattern Guide			
	all		13-52-014-005	
A31-3	Mainshaft Bushing			
	all		13-81-127-002	
A31-4	Selector Rail Bushing			
	all		19-00-127-006	
A31-5	Countershaft Oil Funnel			
	all	F6ZZ-7L276A	13-86-034-002	
A31-6	Countershaft Extension Bearing Spacer			
	all		13-81-053-001	
A31-7	COUNTERSHAFT EXTENSION BEARING			
	all	F6ZZ-7121A	13-81-134-001	
A31-8	Countershaft Extension Bearing Snapping			
	all		13-00-139-043	
A32	MAINSHAFT OILSEAL			
	all	F6ZZ-7052A	13-00-044-020	
A33	Extension Fasteners			
	bolt	req.11	F6ZZ-7A771A	13-81-183-001
A34	Fill Plug			
	all	F6ZZ-7A010A	13-00-052-007	

GROUP B: MAINDRIVE AND RETAINER

B1	MAINSHAFT PILOT BEARING ASSY			
	Timken #LM11710-LM11749		LM11710-49	
B1-1	Mainshaft Pilot Bearing Cup			
	Timken #LM11710		LM11710	
B1-2	Mainshaft Pilot Bearing Cone			
	Timken #LM11749		LM11749	
B2	MAINDRIVE GEAR			
	all	F6ZZ-7017A	13-81-085-001	
B3	MAINDRIVE BEARING ASSY			
	Timken #M88010-M88048		M88010-48	
B3-1	Maindrive Bearing Cup			
	Timken #M88010		M88010	
B3-2	Maindrive Bearing Cone			
	Timken #M88048		M88048	
B4	Maindrive Bearing Shims			
	.022	as req	13-86-037-005	
	.023	as req	13-86-037-033	
	.024	as req	13-86-037-006	
	.025	as req	13-86-037-034	
	.026	as req	13-86-037-007	
	.027	as req	13-86-037-035	
	.028	as req	13-86-037-008	
	.029	as req	13-86-037-036	



.030	.....	as req	.....	13-86-037-009
.031	.....	as req	.....	13-86-037-037
.032	.....	as req	.....	13-86-037-010
.033	.....	as req	.....	13-86-037-011
.034	.....	as req	.....	13-86-037-012
.035	.....	as req	.....	13-86-037-013
.036	.....	as req	.....	13-86-037-014
.037	.....	as req	.....	13-86-037-015
.038	.....	as req	.....	13-86-037-016
.039	.....	as req	.....	13-86-037-017
.040	.....	as req	.....	13-86-037-018
.041	.....	as req	.....	13-86-037-019
.042	.....	as req	.....	13-86-037-020
.043	.....	as req	.....	13-86-037-021
.044	.....	as req	.....	13-86-037-022
.045	.....	as req	.....	13-86-037-023
.046	.....	as req	.....	13-86-037-024
.047	.....	as req	.....	13-86-037-025
.048	.....	as req	.....	13-86-037-026
.049	.....	as req	.....	13-86-037-027
.050	.....	as req	.....	13-86-037-028
.051	.....	as req	.....	13-86-037-029
.052	.....	as req	.....	13-86-037-030
.053	.....	as req	.....	13-86-037-031
.054	.....	as req	.....	13-86-037-032

B5 CLUTCH HOUSING ASSY

a11	.....	(1996)	.....	F6ZZ-6392B	.....	13-81-672-001
B5-1	Clutch Housing					
a11	.....			NSS	.....	NSS
B5-2	Selector Rail Bushing					
a11	.....			F6ZZ-7W425A	.....	19-00-127-006
B5-3	Clutch Housing/Case Dowel Pin					
a11	.....	req.2	.....	F6ZZ-7K315A	.....	13-81-043-001
B5-5	Clutch Bearing Tube					
a11	.....			NSS	.....	13-86-034-006
B5-6	MAINDRIVE OILSEAL					
	Chicago Rawhide #12363			E9TZ-7052A	.....	13-00-044-015
B5-7	O-Ring					
a11	.....			F6ZZ-7L539A	.....	13-00-141-134
B6	Clutch Fork Pivot					
a11	.....			F6ZZ-7B602A	.....	13-81-146-001
B7	Clutch Fork Pivot Lockwasher					
a11	.....			F6ZZ-7C208A	.....	13-81-050-001
B8	Clutch Housing Fasteners					
a11	.....	req.12	.....	F6ZZ-7A771A	.....	13-81-183-001

GROUP C: COUNTERSHAFTS AND CASE

C5	Countershaft Reverse Gear Snapping					
a11	.....					13-00-139-045
C6	Countershaft Reverse Gear Thrust Washer					
a11	.....					13-81-193-001
C7	COUNTERSHAFT REVERSE GEAR					
a11	.....					13-81-088-002
C8	Countershaft 5th/Reverse Synchronizer Snapping					
a11	.....					10-00-139-032



C9	COUNTERSHAFT 5TH/REVERSE SYNCHRONIZER ASSY			
	all			13-81-590-001
	C9-1	Clutch		
	all		NSS	NSS
	C9-2	Clutch Hub		
	all		NSS	NSS
	C9-3	Strut		
	all	req.3	E4ZZ-7A044A	13-51-093-001
	C9-4	Spring		
	all	req.2		13-52-156-018
C10	COUNTERSHAFT 5TH/REVERSE SYNCHRONIZER RING			
	all	req.2		13-81-591-002
C11	COUNTERSHAFT 5TH GEAR			
	all			13-81-086-001
C12	COUNTERSHAFT REAR BEARING ASSY			
	Timken #LM67010-LM67048			LM67010-48
	C12-1	Countershaft Rear Bearing Cup		
	Timken #LM67010			LM67010
	C12-2	Countershaft Rear Bearing Cone		
	Timken #LM67048			LM67048
C13	COUNTERSHAFT CLUSTER GEAR			
	all		F6ZZ-7113A	13-81-077-001
C14	COUNTERSHAFT FRONT BEARING ASSY			
	Timken #LM67010-LM67048			LM67010-48
	C14-1	Countershaft Front Bearing Cup		
	Timken #LM67010			LM67010
	C14-2	Countershaft Front Bearing Cone		
	Timken #LM67048			LM67048
C15	Countershaft Front Bearing Shims			
	.022	as req		13-81-037-001
	.023	as req		13-81-037-002
	.024	as req		13-81-037-003
	.025	as req		13-81-037-004
	.026	as req		13-81-037-005
	.027	as req		13-81-037-006
	.028	as req		13-81-037-007
	.029	as req		13-81-037-008
	.030	as req		13-81-037-009
	.031	as req		13-81-037-010
	.032	as req		13-81-037-011
	.033	as req		13-81-037-012
	.034	as req		13-81-037-013
	.035	as req		13-81-037-014
	.036	as req		13-81-037-015
	.037	as req		13-81-037-016
	.038	as req		13-81-037-017
	.039	as req		13-81-037-018
	.040	as req		13-81-037-019
	.041	as req		13-81-037-020
	.042	as req		13-81-037-021
	.043	as req		13-81-037-022
	.044	as req		13-81-037-023
	.045	as req		13-81-037-024
	.046	as req		13-81-037-025
	.047	as req		13-81-037-026
	.048	as req		13-81-037-027



.049	..... as req	.....	13-81-037-028
.050	..... as req	.....	13-81-037-029
.051	..... as req	.....	13-81-037-030
.052	..... as req	.....	13-81-037-031
.053	..... as req	.....	13-81-037-032
.054	..... as req	.....	13-81-037-033
C16	IDLER GEAR		
	a11	.....	13-81-084-001
C17	Idler Gear Bearing		
	a11	..... F6ZZ-7E139A	... 13-81-132-001
C18	Idler Gear Spring Washer		
	a11	..... req.2	..... 13-81-156-001
C19	IDLER SHAFT		
	a11	.....	13-81-068-001
C20	Idler Shaft Support		
	a11	..... F6ZZ-7723A	... 13-81-185-001
C21	Idler Shaft Support Fasteners		
	a11	..... req.3	..... 13-86-183-002
C22	CASE ASSY		
	a11	..... (1996)	..... F6ZZ-7005A
			... 13-81-565-001
C22-1	Case		
	a11	..... NSS	..... NSS
C22-2	Selector Rail Bushing		
	a11	..... F6ZZ-7W425A	... 19-00-127-006
C22-3	Dowel Pin		
	a11	..... req.2	..... F6ZZ-7K315A
			... 13-81-043-001
C22-4	Magnet		
	a11	..... F5TZ-7E290A	... 4915
C23	Breather Assy		
	a11	..... F6ZZ-7034A	... 13-00-072-005
C24	Drain Plug		
	a11	..... F6ZZ-7A010A	... 13-00-052-007

GROUP D: INTERNAL SHIFT LINKAGE

D1	1ST/2ND SHIFT FORK ASSY		
	a11	..... F6ZZ-7230A	... 13-81-596-001
D1-1	1st/2nd Shift Fork		
	a11	..... NSS	..... NSS
D1-2	1st/2nd Shift Fork Pad		
	black nylon	..... req.2	..... F6ZZ-7L082A
			... 13-86-235-001
D2	1st/2nd Shift Fork Lug		
	a11	..... F6ZZ-7N232A	... 13-81-190-001
D3	3RD/4TH SHIFT FORK ASSY		
	a11	..... F6ZZ-7230B	... 13-81-596-002
D3-1	3rd/4th Shift Fork		
	a11	..... NSS	..... NSS
D3-2	3rd/4th Shift Fork Pad		
	black nylon	..... req.2	..... F6ZZ-7L082A
			... 13-86-235-001
D4	3rd/4th Shift Fork Lug		
	a11	..... F6ZZ-7N232A	... 13-81-190-001
D5	Interlock Bushing		
	a11	..... F6AA-7K201A	... 13-81-014-001
D6	Interlock Bushing Guide (Bolt)		
	a11	..... F6ZZ-7C211A	... 13-86-183-003



D7	SELECTOR FINGER			
	all	.....	D4ZZ-7302A	....13-52-596-003
D8	Selector Finger Rollpin			
	all	.....	305061S	....13-32-043-004
D9	SELECTOR RAIL			
	all	.....	F6ZZ-7358A	....13-81-100-001
D10	5TH/REVERSE SHIFT LEVER			
	all	.....		....13-81-098-001
D11	5th/Reverse Shift Lever Pivot			
	all	.....	E7TZ-7K179A	....13-52-183-002
D12	5th/Reverse Shift Lever C-Clip			
	all	.....	371197S	....13-32-139-003
D13	5TH/REVERSE SHIFT FORK ASSY			
	all	.....	F6ZZ-7230C	....13-81-596-003
D13-1	5th/Reverse Shift Fork			
	all	.....	NSS	.....NSS
D13-2	5th/Reverse Shift Fork Pad			
	countershaft	.....req.2	D8ZZ-7L082A	....13-52-127-008
	mainshaft	.....req.2	E9TZ-7C430A	....13-56-235-001
D14	5th/Reverse Shift Fork Rollpin			
	all	.....		....10-00-043-016
D15	5TH/REVERSE SHIFT RAIL ASSY			
	all	.....	F6ZZ-7242A	....13-81-600-001
D15-1	5th/Reverse Shift Rail			
	all	.....	NSS	.....NSS
D15-2	5th/Reverse Shift Roller			
	all	.....	E6TZ-7335A	....13-52-127-001
D15-3	5th/Reverse Shift Roller Pin			
	all	.....		....13-52-043-001
D16	Defent Spring			
	all	.....	E3ZZ-7234B	....13-51-156-001
D17	Defent Ball			
	3/8" diameter steel	.....		....13-09-109-003
D18	OFFSET LEVER			
	all	.....	F6ZZ-7F018A	....13-51-098-005
D19	Offset Lever Rollpin			
	all	.....		....10-00-043-016
D20	Offset Lever Bushing			
	all	.....	E3ZZ-7K453A	....13-52-127-009
D21	SHIFT LEVER ASSY			
	all	.....	F4ZZ-7210B	....13-52-598-107
D22	Shift Lever Fasteners			
	bolt	.....req.4	E3ZZ-7A443A	....13-51-183-001
D23	Reverse Indicator Switch			
	all	.....	E0ZZ-15520A	....13-32-140-005