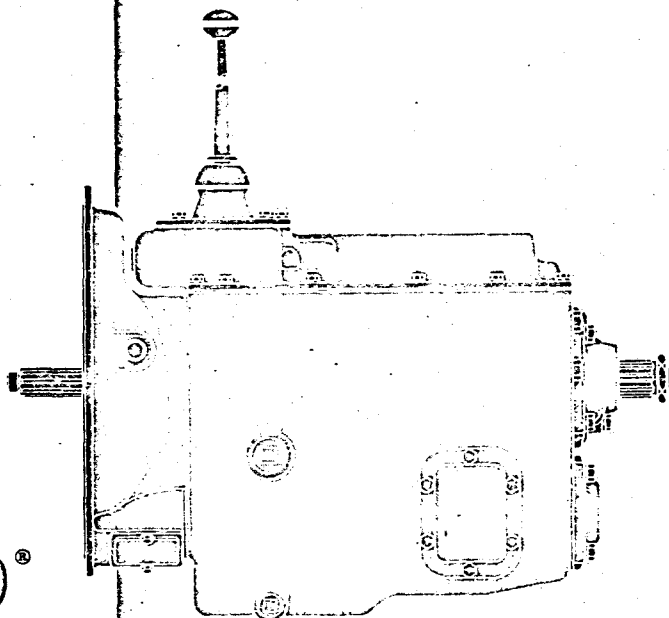


SPICER®

6000 SERIES

5-SPEED

TRANSMISSION

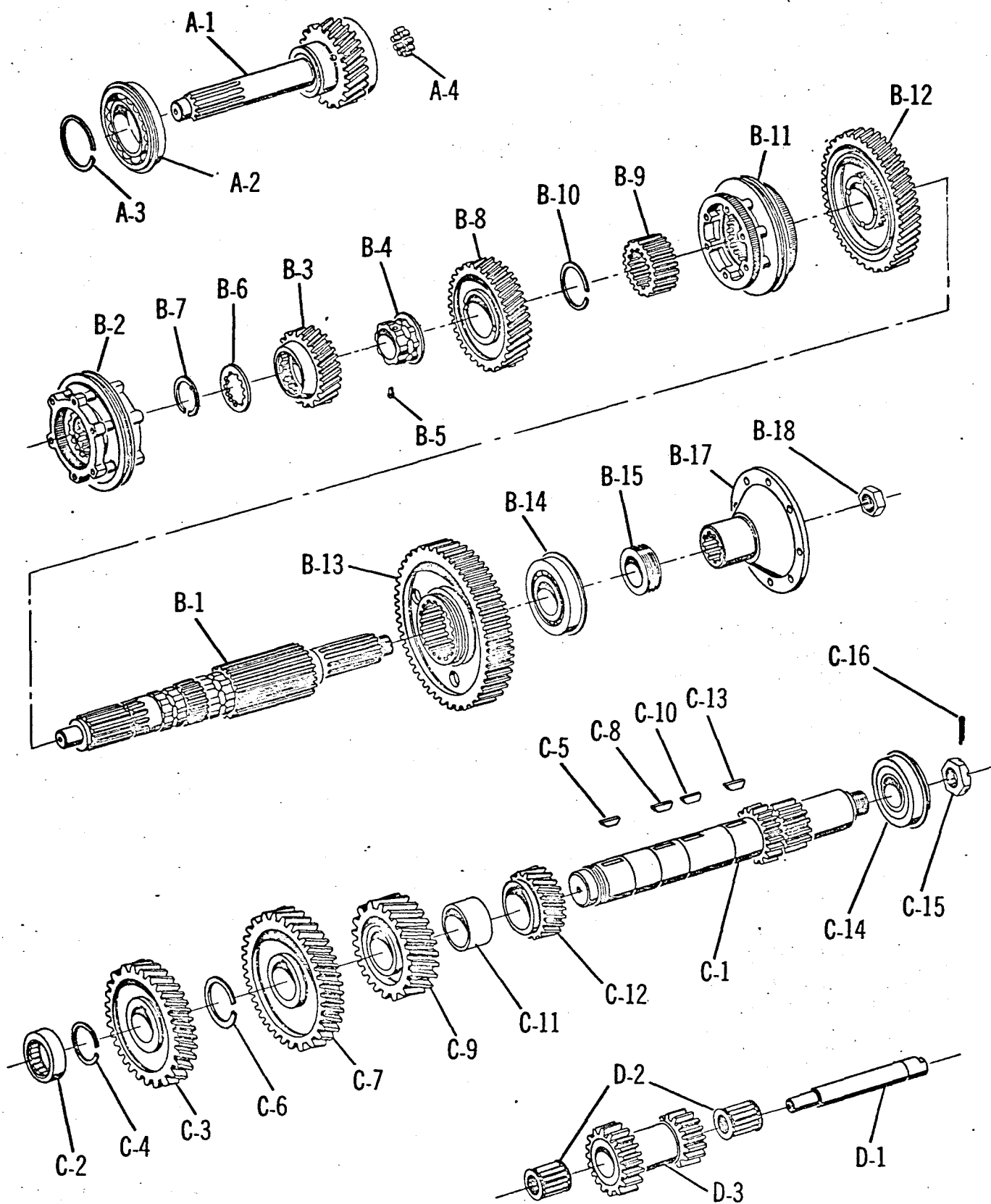


PARTS

MANUAL

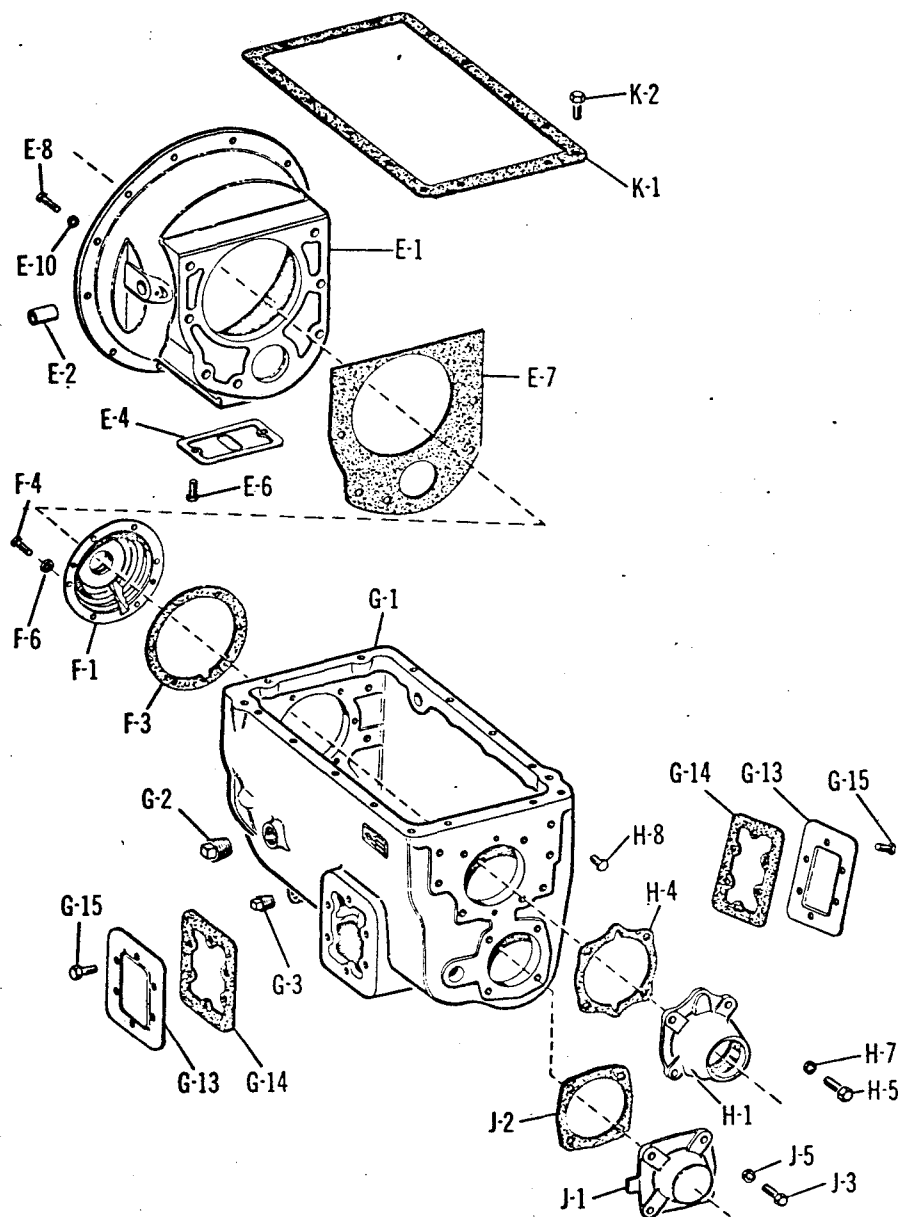


**DANA CORPORATION
TRANSMISSION DIVISION**



GEARS & RELATED PARTS GROUP Items A-1 thru D-3 Order By Part Number In Part Number Column. Do Not Order By Group Number.			
Item	Part Name	Part Number	Quantity Per Transmission
Drive Gear Group			
A-1	GEAR, main drive.....	62-35-36	1
A-2	BEARING, drive gear.....(Single Row Ball)	550046	1
A-3	RING, bearing snap.....	62-381-5	1
A-4	KIT, drive gear pocket roller.....(14 Rollers 62-482-1)	310662X	1
Main Shaft Group			
B-1	KIT, main shaft & nut.....(62-362-26, 13T-19T-20T-10T) —Length 22¼".....(Comp. Flange Spline 2½" Long) (Includes Item B-18, NUT 500898)	311678X	1
B-2	SYNCHRONIZER SUB-ASSY., m.s. 4th & 5th speed.....(22T-13T)	310228X	1
B-3	GEAR, m.s. 4th speed.....	62-8-49	1
B-4	SLEEVE, m.s. 4th or 5th gear fluted.....(2¼" I.D.)	62-37-29	1
B-5	PIN, 4th or 5th fluted sleeve.....	425-SP	1
B-6	WASHER, 4th or 5th gear thrust.....	1001-W	1
B-7	RING, thrust washer snap.....	62-381-4	1
B-8	GEAR, main shaft 3rd speed.....	62-8-52	1
B-9	GEAR, m.s. 2nd & 3rd clutch.....(25T/19T)	62-466-14	1
B-10	RING, 2nd & 3rd clutch gear snap.....	62-381-8	1
B-11	SYNCHRONIZER SUB-ASSY., m.s. 2nd & 3rd speed.....(25T)	310227X	1
B-12	GEAR, main shaft 2nd speed.....	62-8-53	1
B-13	GEAR, main shaft 1st & reverse sliding.....(61T/20T)	62-8-36	1
B-14	BEARING, main shaft rear.....(Single Row Ball)	550061	1
B-15	SPACER, speedometer drive gear.....	62-37-22	1
B-18	NUT, main shaft flange.....(1¼"-18 Thread) Self-Locking Type—Elastic Stop.....(2½" Hex. & ⅝" Thick)	500898	1
B-19	COTTER, nut.....(⅜")	500024-13	1
Counter Shaft Group			
C-1	KIT, counter shaft & bearing.....(1st speed 62-30-17, 21T-16T) (Includes Item C-2, BEARING 550520)	311450X	1
C-2	BEARING, counter shaft front..... (1.771" I.D.) (Cylindrical Roller)	550520	1
C-3	GEAR, counter shaft drive.....	62-1-10	1
C-4	RING, c.s. drive gear snap.....	62-381-9	1
C-5	KEY, c.s. drive gear.....(Woodruff #29)	500010-8	1
C-6	RING, c.s. 4th or 5th gear snap.....	62-381-6	1
C-7	GEAR, counter shaft 4th speed.....	62-196-25	1
C-8	KEY, c.s. 4th or 5th gear.....(Woodruff #29)	500010-8	1
C-9	GEAR, counter shaft 3rd speed.....	62-196-35	1
C-10	KEY, c.s. 3rd gear.....(Woodruff #29)	500010-8	1
C-11	SPACER, c.s. 2nd & 3rd gear.....(2¼" I.D.)	62-37-35	1
C-12	GEAR, counter shaft 2nd speed (p.t.o. driver right side).....	62-196-14	1
C-13	KEY, c.s. 2nd gear.....(Woodruff #29)	500010-8	1
C-14	BEARING, counter shaft rear.....(Single Row Ball)	550059	1
C-15	NUT, c.s. rear brg.....	454-J	1
C-16	COTTER, c.s. rear brg. nut.....(⅜" x 2")	500024-13	1
Reverse Idler Group			
D-1	SHAFT, reverse idler gear.....	62-60-4	1
D-2	BEARING, reverse idler gear.....(Solid Roller)	550122	2
D-3	GEAR, rev. idler (p.t.o. driver left side).....(25T-19T)	62-5-6	1

CASES, BEARING CAPS & RELATED PARTS



CASES, BEARING CAPS & RELATED PARTS

CASES, BEARING CAPS & RELATED PARTS GROUP

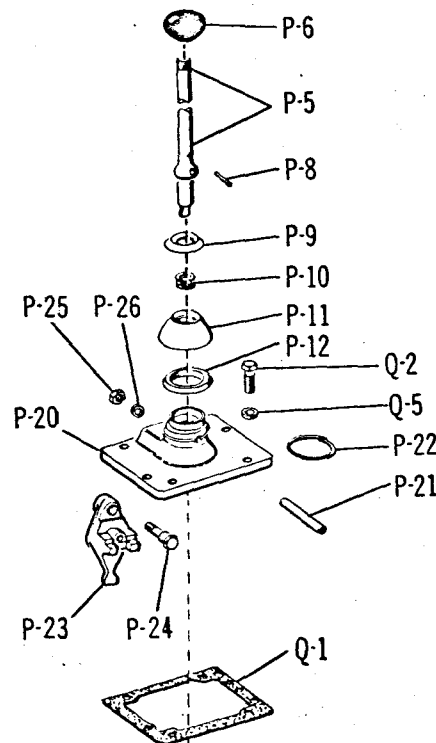
Items E-1 thru K-2

Order By Part Number In Part Number Column.
Do Not Order By Group Number.

Item	Part Name	Part Number	Quantity Per Transmission
Clutch Housing & Parts			
E-1	HOUSING SUB-ASSY., clutch.....	8019X	1
E-2	BUSHING, clutch release shaft.....	128-C-20	1
E-4	COVER, lower hand hole.....	22-96-5	1
E-6	SCREW & WASHER, hand hole cover.....	500437-10	2
E-7	GASKET, clutch housing to case.....	290-C-52	1
E-8	SCREW, clutch housing.....($\frac{3}{8}$ "-11 x $1\frac{1}{4}$ ")	1111-D	7
E-10	WASHER, screw lock.....($\frac{3}{8}$ ")	500357-15	7
Front Bearing Cap & Parts			
F-1	CAP, drive gear front bearing.....	62-19-22	1
F-3	GASKET, drive gear front bearing cap.....	62-223-13	1
F-4	SCREW, front bearing cap.....($\frac{3}{8}$ "-16 x $1\frac{1}{4}$ ")		6
Cases & Parts			
G-1	CASE SUB-ASSY., trans.....	62-15-23	1
(Includes Items Indicated G-2 thru G-4)			
G-2	PLUG, oil filler.....($1\frac{1}{4}$ " x $1\frac{1}{2}$ " N.P.T.)	500093	1
G-3	PLUG, magnetic oil drain.....	62-39-3	1
G-13	COVER, power take-off aperture.....	50-267-3	2
G-14	GASKET, p.t.o. aperture cover.....	46-324-1	2
G-15	SCREW, cover.....	500599-12	12
G-16	WASHER, screw lock.....	500357-12	12
Rear Bearing Cap & Parts			
H-1	CAP SUB-ASSY., m.s. rear bearing.....	62-19-24	1
H-4	GASKET, m.s. rear bearing cap.....	62-223-12	1
H-5	SCREW, m.s. rear bearing cap.....($\frac{1}{2}$ "-13 x $1\frac{1}{2}$ ")	500400-14	4
H-7	WASHER, screw lock.....($\frac{1}{2}$ ")	500357-13	4
J-1	CAP, counter shaft rear bearing.....	62-22-6	1
J-2	GASKET, counter shaft rear bearing cap.....	55-223-17	1
J-3	SCREW, c.s. rear bearing cap.....($\frac{1}{2}$ "-13 x $1\frac{1}{2}$ ")	500400-14	4
J-5	WASHER, screw or stud nut lock.....($\frac{1}{2}$ ")	500357-13	4
Shifter Housing Attaching Parts			
K-1	GASKET, shifter housing to transmission case.....	62-155-8	1
K-2	SCREW & WASHER, shifter housing.....($\frac{3}{8}$ "-16 x $1\frac{1}{4}$ ")	500438-12	14

OVERHEAD CONTROL — SHIFT LEVER & DOME

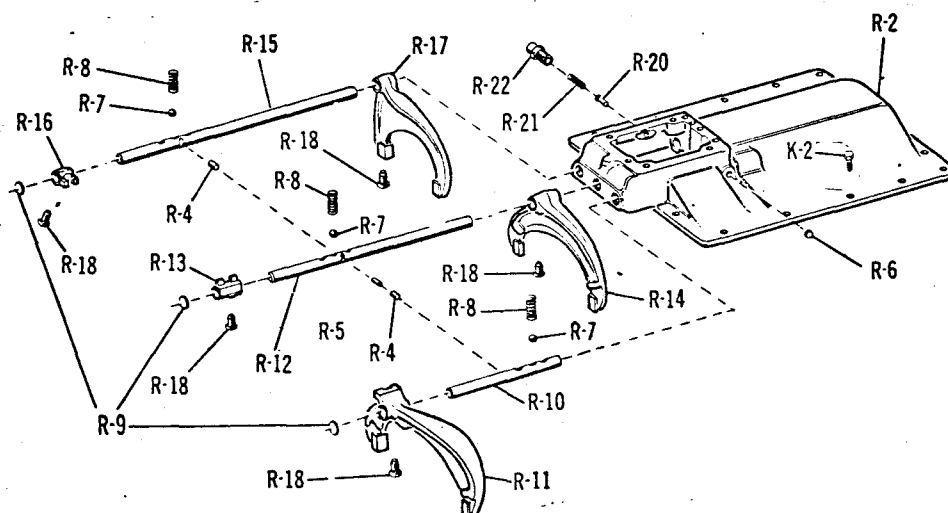
Item	Part Name	Part Number	Quantity Per Transmission
Lever & Dome Parts			
P-2	LEVER & DOME ASSEMBLY, shift..... (Includes Items P-3 thru P-26)	8091X	1
P-3	KIT, shift lever & parts..... (Includes Items P-5 thru P-12)	7019X	1
P-5	LEVER, shift.....(Not Sold Separately)		1
P-6	HANDLE, shift lever.....	39-Q-15	1
P-7	GROMMET, shift lever.....	55-Q-5	1
P-8	PIN, collar.....	286-SP	1
P-9	COLLAR, compression.....	55-Q-7	1
P-10	SPRING, compression.....	56-Q-25	1
P-11	CUP, compression.....	54-Q-13	1
P-12	WASHER, compression.....	69-Q-6	1
P-20	DOME, shift lever.....(2 ¹¹ / ₁₆ " High)	62-16-32	1
P-21	SHAFT, shift lever rock.....	53-Q-15	1
P-22	RING, rock shaft snap.....	62-381-7	1
P-23	FINGER, 1st & reverse shift.....	62-6-23	1
P-24	STUD, 1st and reverse shift finger.....	1109-D	1
P-25	NUT, shift finger stud.....(1/2"-20)	500381-5	1
P-26	WASHER, stud nut lock.....(1/2")	500357-13	1
Dome & Shifter Housing Attaching Parts			
Q-1	GASKET, dome to shifter housing.....	62-155-7	1
Q-2	SCREW, dome.....(7/16"-14 x 1 1/4")	500399-12	6
Q-5	WASHER, screw lock.....(1/16")	500357-12	6



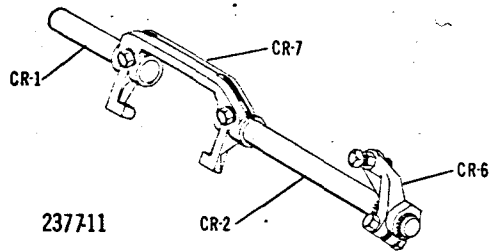
SHIFTING PARTS

Order By Part Number In Part Number Column.
Do Not Order By Group Number.

Item	Part Name	Part Number	Quantity Per Transmission
Shifter Housing Parts			
R-1	HOUSING ASSEMBLY, shifter..... (Includes Items Indicated R-2 thru R-26)	8088X	1
R-2	HOUSING or HOUSING SUB-ASSY., shifter.....	62-16-54	1
		-	-
R-4	LOCK, shift rod inter.....	32-12-1	2
R-5	PIN, inter lock.....	289-SP	1
R-6	PLUG, inter lock.....	500166-5	1
R-7	BALL, shift rod poppet.....	50-80-1	3
R-8	SPRING, shift rod poppet ball.....	44-72-2	3
R-9	PLUG, shift rod hole welch.....	500166-12	3
R-9a	PLUG, 1st & reverse shift rod hole.....(Ford)	32-59-3	-
R-10	ROD, 4th & 5th shift.....	62-67-14	1
R-11	FORK, 4th & 5th shift.....	62-66-22	1
		-	-
R-12	ROD, 2nd & 3rd shift.....(14" Long)	62-67-13	1
		-	-
R-13	BRACKET, 2nd & 3rd shift rod.....	62-354-4	1
R-14	FORK, 2nd & 3rd shift.....	62-66-20	1
		-	-
R-15	ROD, 1st & reverse shift.....(15 ²⁷ / ₃₂ " Long)	62-67-16	1
		-	-
R-16	BRACKET, 1st & reverse shift rod.....	62-354-5	1
R-17	FORK, 1st & reverse shift.....	55-66-19	1
R-18	SCREW, fork & bracket set.....	729-D	5
R-19	WIRE, set screw lock.....	LW-1	AR
R-20	PIN, 1st & reverse shift finger plunger..... (0.735" Long)	46-438-1	2
R-21	SPRING, shift finger plunger pin.....	62-72-8	1
R-22	RETAINER, plunger pin spring.....	38-P-1	1

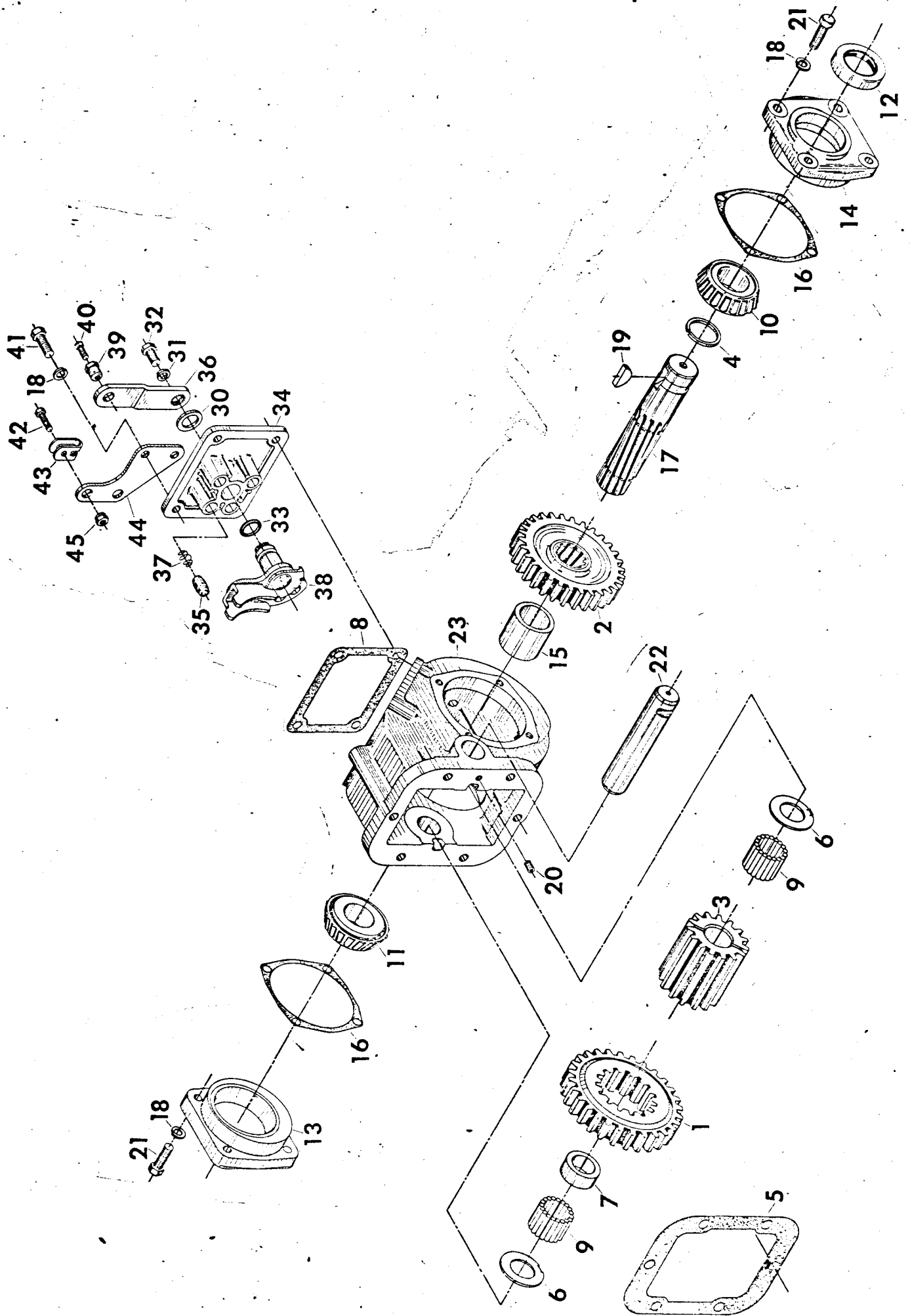


CLUTCH RELEASE PARTS



CLUTCH RELEASE PARTS							
Clutch Release Shafts						Pedal Adjusting Arm Sub-Assy. CR-6	Release Yoke CR-7 ①
SHORT SHAFT—CR-1			LONG SHAFT—CR-2				
Type	Length	Part Number	Type	Length	Part Number		
RS-1	4 ¹³ / ₁₆ "	106-C-1278	RS-8	7 ¹ / ₂ "	106-C-1422	310233X	105-C-122

CLUTCH RELEASE YOKE ATTACHING PARTS—Use one KEY 10-30, two SCREWS 330231 and two LOCK WASHERS 500356-12.



CHELSEA POWER TAKE OFF ASSEMBLY LL-3236-1

<u>REF.</u>	<u>CHELSEA NUMBER</u>	<u>PETTIBONE NUMBER</u>	<u>DESCRIPTION</u>	<u>REQ'D.</u>
1	1562B	LL-3236- 2	Input Gear	1
2	1563	LL-3236- 3	Output Gear	1
3	3280	LL-3236- 4	Driving Gear	1
4	103	LL-3236- 5	Lock Ring	1
5	105	LL-3236- 6	Mounting Gasket - .010 thick	1
	105A	LL-3236- 7	Mounting Gasket - .020 thick	1
6	156AT	LL-3236- 8	Thrust Washer	2
7	337A	LL-3236- 9	Spacer	1
8	351	LL-3236-10	Gasket	1
9	363	LL-3236-11	Needle Roller (19 per set)	2
10	364	LL-3236-12	Tapered Roller Bearing	1
11	365	LL-3236-13	Tapered Roller Bearing	1
12	367	LL-3236-14	Oil Seal	1
13	559	LL-3236-15	Bearing Cap - Standard Closed	1
14	560	LL-3236-16	Bearing Cap - Standard Closed	1
15	625A	LL-3236-17	Spacer	1
16	751	LL-3236-18	Gasket - .010 thick	1
	751A	LL-3236-19	Gasket - .020 thick	1
17	766	LL-3236-20	Drive Shaft	1
18			Lockwasher 5/16	8
19			Woodruff Key 5/16	1
20			Set Screw - 1/4 - 20 x 1/2	1
21			Hex. Hd. Capscrew 5/16 - 18 x 1	8
22	3562	LL-3236-21	Idler Shaft	1
23	3850	LL-3236-22	Housing	1

SHIFTER COVER ASSEMBLY LL-3236-23 (3859X)

30			Flat Washer 5/16	1
31			Lockwasher 5/16	1
32			Hex Capscrew 5/16 - 24 x 5/8	1
33	1288	LL-3236-24	O-Ring	1
34	1875A	LL-3236-25	Cover	1
35	3698A	LL-3236-26	Poppet	1
36	3706	LL-3236-27	Shifting Lever	1
37	3758	LL-3236-28	Spring	1
38	3851X	LL-3236-29	Shifter Plate Assembly	1
39	375B	LL-3236-30	Pivot Pin	1
40			Set Screw - 1/4 - 20 x 1/2	1
41			Hex Capscrew 5/16 - 18 x 7/8	4
42			Hex Capscrew 1/4 - 20 x 3/4	1
43	3766A	LL-3236-31	Swivel Bracket	1
44	3783	LL-3236-32	Wire Control Bracket	1
45	4112B	LL-3236-33	Hex Nut 1/4 - 20 with shoulder	1

