

De navolgende onderdelen van Borg Warner zijn te leveren in sets met de onderstaande setnummers, waar tevens achter vermeld staat het onderdeelnummer, dat door Volvo Penta Nederland B.V. gehanteerd wordt.

-		
Velvet no.	Volvo Penta nr.	Omschrijving
A 4867 DD	7701006578	Output Shaft Bushing Kit
А 4867 НА .	8903000207	Oil Seal & Sealing Ring Kit, 70C, 71C & 72C
A 4867 VV	7701006574	Case Bushing Kit
A 4867 HB	• · ·	Gasket, Oil Seal & Sealing Ring Kit for "73C"
A 4867 DW	7902002354	Small Parts Kit for " "73C"
A 4867 HN	7902002348	Drive Gear Alarm Kit $ig angle$
10.04.420.052	7902001958	Neutral Switch Kit
10.04.640.004	8903000224	Switch and O-ring for Neutral Switch
10.95.410.002	8903000208	Snap Ring Kit for All 70C, 71C & 72C Units
10.13.410.001		Gasket & Seal Kit for All CR2 Units
10.13.410.002		Small Parts Kit for CR2 Units

VOLVO PENTA

Volvo Penta Nederland B.V. Ridderkerk, Holland

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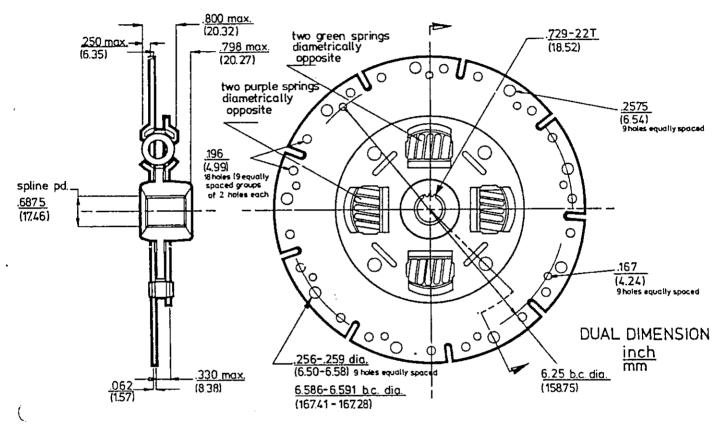
Installation &

Service Bulletin



Installation Dimensions For Marine Damper Assemblies

ASSEMBLY 10-23-650-002 = 8903000222



FOR SERIES 1000 TRANSMISSION ONLY

RATING CHART

# CYL	GASOLINE ENGINE		DIESEL	ENGINE
	lb.ft.	Nm	lb.ft.	Nm
8	148	2007	129.5	175.6
6	138.75	188.1	111	150.5
4	120.25	163	92.5	125.4
1-3	101.75	138	74	100.3

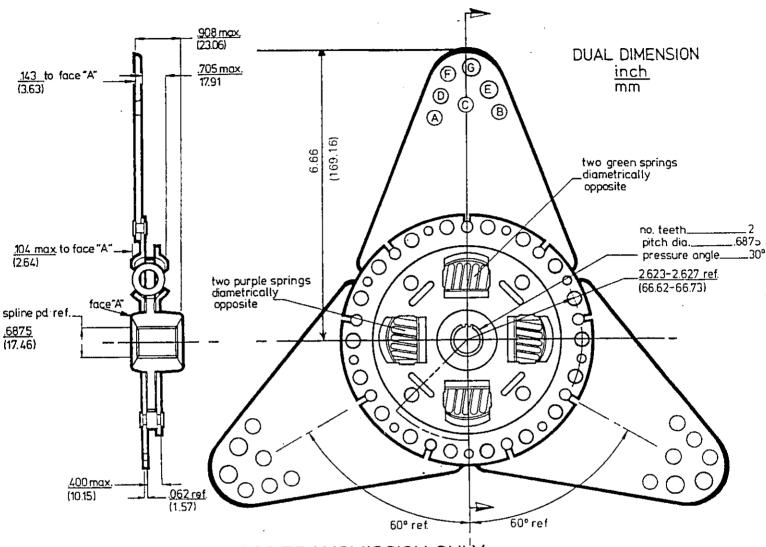
Parenthetical dimensions are expressed metrically.

Warner Gear

Division of Borg-Warner Corporation P.O. Box 2688, Muncie, Indiana 47302 Telephone 317/284-8411 Telex 027-491

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FORM 1109/9-80 PRINTED IN U.S.A. ASSEMBLY 10-23-650-001 = 8903000223



FOR SERIES 1000 TRANSMISSION ONLY

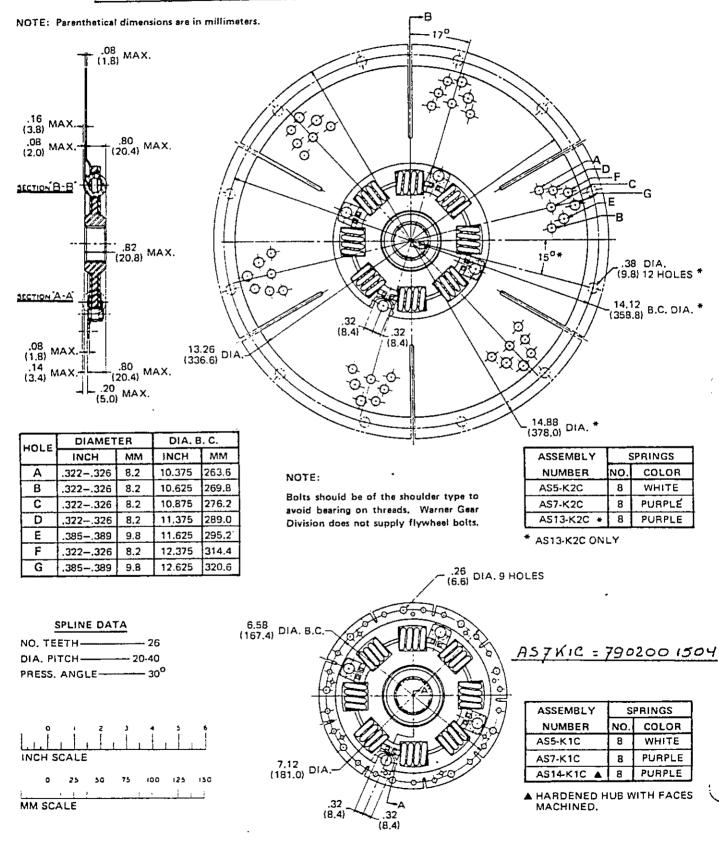
RATING CHART

# CYL	GASOLINE ENGINE		DIESEL	ENGINE
	Ib ft.	Nm	lb. ft.	Nm
8	148	200.7	129.5	175 <u>.6</u>
6	13875	188.1	111	150.5
4	120.25	163	92.5	125.4
1-3	101.75	138	74	100.3

HOLE	DIAMETER	DIAMETER OF HOLE		DIAMETER OF B.C.	
E _	inch	mm	inch	mm	
A	322-326	818-828	10.375	263.53	
В	.322-326	8.18-8.28	10.625	269.88	
С	.322326	8.18-8.28	10.875	27623	
D	.322326	8.18-8.28	11,375	288,93	
E	.385389	9.78-9.88	11.625	295.28	
F	322326	8.18-8.28	12.375	314,33	
G	.385389	9.78-9.88	12.625	320.68	

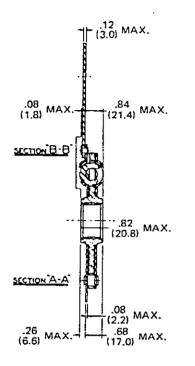
ASSEMBLIES AS5, 7, 14-K1C, AS5, 7, 13-K2C

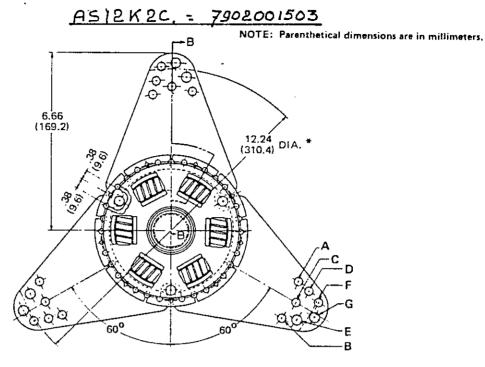
AS5K2C = 7902001500.



ASSEMBLIES AS1, 4, 12-K1C, AS1, 4, 8, 12-K2C

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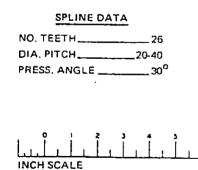
HOLE	DIAMETER DIA. B. C.		B.C.	
	INCH	ММ	INCH	ММ
А	.322326	8.2	10,375	263.6
B	.322326	8.2	10.625	269.8
C	.322326	8.2	10.875	276.2
D	.322326	8.2	11.375	289.0
E	.385389	9.8	11.625	295.2
F	.322326	8.2	12.375	314.4
G	.385389	9.8	12.625	320.6

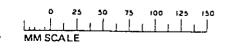
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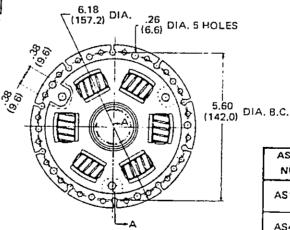
Bolts should be of the shoulder type to avoid bearing on threads. Warner Gear Division does not supply flywheel bolts.

ASSEMBLY		SPRINGS
NUMBER	NO.	COLOR
AS1-K2C	6	4 PINK
		2 YELLOW
AS4-K2C	6	RED
AS8-K2C *	6	RED
AS12-K2C	6	4 YELLOW
23012-R20		2 PINK

* DIAMETER ONLY







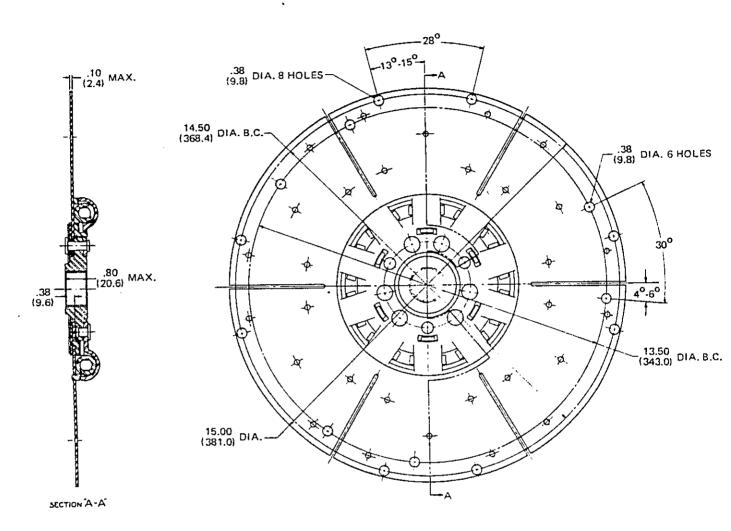
ASSEMBLY	SPRINGS	
NUMBER	NO.	COLOR
AS1-K1C	6	4 PINK
	Ľ	2 YELLOW
AS4-K1C	6	RED
A\$12-K1C	6	4 YELLOW
		2 PINK

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1004-650 - 005 ASSEMBLY AS3-NBC = 7902001502

NOTE: Parenthetical dimensions are in millimeters.

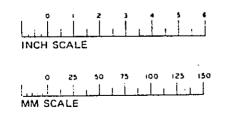
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NOTE:

Bolts should be of the shoulder type to avoid bearing on threads. Warner Gear Division does not supply flywheel bolts.



SPLINE DATA

NO. TEETH	26
DIA, PITCH	_ 20-40
PRESS. ANGLE	30 ⁰

Warner Gear International

Orvision of Borg-Warner Ltd Eldon Way, Biggleswade, Bedfordshire, SG18 8NH, England Telephone Biggleswade (0767) 313684 Telex Wargear B-Wade 825549



Registered No. 156810 Engla

Registered Office Jubilee Road, Letchwort Hertfordshire

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Effective Date

29 June 198.

VELVET DRIVE MARINE TRANSMISSIONS AND ACCESSORIES

A. MODELS WITH CO-AXIAL INPUT/OUTPUT

Engine rotation viewed from flywheel Propeller from stern of boat looking forward

Part Number	71C SERIE	Description
	RH Engine RH Prop LH Engine LH Prop	Direct Drive Direct Drive
10-17-000-005 10-17-000-006	RH Engine RH Prop LH Engine LH Prop	1.523:1 Reduction 1.523:1 Reduction
	RH Engine RH Prop LH Engine LH Prop	
	RH Engine RH Prop LH Engine LH Prop	
	RH Engine RH Prop LH Engine LH Prop	
	RH Engine LH Prop LH Engine RH Prop	
10-17-000-015 10-17-000-016	RH Engine RH Prop LH Engine LH Prop	
	es with the exception o	e is standard on all 10-17 a of the 10-17-000-001 and 002

and

Engine rotation viewed from flywheel Propeller from stern of boat looking forward

Part Number	72C.SERIE	Description
10-18-000-001	RH Engine RH Prop	Direct Drive
10-18-000-002	LH Engine LH Prop	Direct Drive
10-18-000-003	RH Engine RH Prop	1.523:1 Reduction
10-18-000-004	LH Engine LH Prop	1.523:1 Reduction
10-18-000-007	RH Engine RH Prop	2.1:1 Reduction
10-18-000-008	LH Engine LH Prop	2.1:1 Reduction
10-18-000-009	RH Engine RH Prop	2.57:1 Reduction
10-18-000-010	LH Engine LH Prop	2.57:1 Reduction
10-18-000-011	RH Engine RH Prop	2.909:1 Reduction
10-18-000-012	LH Engine LH Prop	2.909:1 Reduction
10-18-000-005	RH Engine [·] LH Prop	1.909:1 Reduction
10-18-000-006	LH Engine RH Prop	1.909:1 Reduction
10-18-000-013	RH Engine RH Prop	Front Half
10-18-000-014	LH Engine LH Prop	For Z-Drives etc
Output shaft f	langes for models 10-1	8 are 5" diameter

73C. SERIE Description Part Number Direct Drive RH Engine RH Prop 10-06-000-004 LH Engine LH Prop Direct Drive 10-06-000-005 1.5:1 Reduction RH Engine RH Prop 10-06-000-006 1.5:1 Reduction LH Engine LH Prop 10-06-000-007 3.0:1 Reduction 10-06-000-008 RH Engine RH Prop 10-06-000-009 LH Engine LH Prop 3.0:1 Reduction 2.0:1 Reduction 10-06-000-010 RH Engine LH Prop 10-06-000-011 LH Engine RH Prop 2.0:1 Reduction Output shaft flanges for models 10-06 are 5%" diameter

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All units shown for engines LH rotation viewed from flywheel Propeller from stern of boat looking forward

Part Number	V. DRIVE 716 Seeie	Description
10-04-000-002	RH Prop	1.99:1 Reduction
10-04-000-003	LH Prop	1.98:1 Reduction
1004-000-004	LH Prop	2.50:1 Reduction
10-04-000-005	RH Prop	2.49:1 Reduction
10-04-000-006 10-04-000-007	LH Prop RH Prop	3.10:1 Reduction 3.14:1 Reduction
10-04-000-008	LH Prop	0.97:1 Reduction
10-04-000-009	RH Prop	0.98:1 Reduction
10-04-000-010	LH Prop	1.53:1 Reduction
10-04-000-011	RH Prop	1.51:1 Reduction
1004-000-012	RH Prop	1.21:1 Reduction
10-04-000-013	LH Prop	1.21:1 Reduction

UK 1000 Kit Mounting plates for 10-04

With the 10-04 V-Drive use side mounting plates ref: page 18 in our V-Drive Service Manual.

Output shaft flanges for Model 10-04 are 5" diameter. The 10-04 V-Drive is equivalent to our 10-17 Velvet Drive.

Part Number	V. DRIVE 726 SERIE	Description
10-05-000-002 10-05-000-003	RH Prop LH Prop	1.99:1 Reduction 1.98:1 Reduction
10-05-000-004 10-05-000-005	LH Prop RH Prop	2.50:1 Reduction 2.49:1 Reduction
10-05-000-006 10-05-000-007	LH Prop RH Prop	3.10:1 Reduction 3.14:1 Reduction
10-05-000-008 10-05-000-009	LH Prop RH Prop	0.97:1 Reduction 0.98:1 Reduction
10-05-000-010 10-05-000-011	LH Prop RH Prop	1.53:1 Reduction 1.51:1 Reduction
10-05-000-012 10-05-000-013	RH Prop LH Prop	1.21:1 Reduction 1.21:1 Reduction
UK 1001 Kit	Mounting pl	lates for 10-05
With the 10-05 V-Drive use side mounting plates ref: page V-Drive Service Manual		
Output shaft flanges for 10-05 V-Drives are 5" diameter		

C. CR2 DROP CENTRE MODELS

All units shown for engines LH rotation viewed from flywheel Propeller from stern of boat looking forward

Part Number	DROPCENTER 71C. SERIE	Description
10-13-000-001	LH Prop	1.58:1 Reduction
10-13-000-002	RH Prop	1.58:1 Reduction
10-13-000-003	LH Prop	2.03:1 Reduction
10-13-000-004	RH Prop	2.03:1 Reduction
10-13-000-005	LH Prop	2.47:1 Reduction
10-13-000-006	RH Prop	2.47:1 Reduction
10-13-000-007	LH Prop	2.93:1 Reduction
10-13-000-008	RH Prop	2.93:1 Reduction

All units shown for engines RH rotation viewed from flywheel Propeller from stern of boat looking forward

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Part Number	DROPCENTER 71C . SERIE	Description	
10-13-000-009	RH Prop	1.58:1 Reduction	
10-13-000-010	RH Prop	2.03:1 Reduction	
10-13-000-011	RH Prop	2.47:1 Reduction	
10-13-000-012	RH Prop	2.93:1 Reduction	
Output shaft f	langes for models	10-13 are 5" diameter	

		· · · · · · · · · · · · · · · · · · ·
Part Number	DROPE HHIGR 72C SERIE	Description
10-14-000-001	LH Prop	1.58:1 Reduction
10-14-000-002	RH Prop	1.58:1 Reduction
10-14-000-003	LH Prop	2.03:1 Reduction
10-14-000-004	RH Prop	2.03:1 Reduction

LH Prop

RH Prop

LH Prop

RH Prop

All units shown for engines LH rotation viewed from flywheel Propeller from stern of boat looking forward

All units shown for engines RH rotation viewed from flywheel Propeller from stern of boat looking forward

2.47:1 Reduction

2.47:1 Reduction

2.93:1 Reduction

2.93:1 Reduction

Part Number	DROFLENTER 72C SERIE	Description
10-14-000-009	RH Prop	1.58:1 Reduction
10-14-000-010	RH Prop .	2.03:1 Reduction
10-14-000-011	RH Prop	2.47:1 Reduction
10-14-000-012	RH Prop	2.93:1 Reduction
Output shaft f	langes for models	10-14 are 5" diameter

10-14-000-005

10-14-000-006

10-14-000-007

10-14-000-008

VELVET NIEHW Typen vanaf±1978

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VELVET DRIVE HYDRAULIC MARINE TRANSMISSION

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PARTS LIST & EXPLODED VIEW FOR MODELS

AS1-71C, AS1-71CR, AS11-72C, AS11-72CR, 10-17-000-001, 10-17-000-002, 10-18-000-001 & 10-18-000-002

VELVET DRIVE 70C, 71C, 72C, 10-17 & 10-18 DIRECT DRIVE (Exploded view shows AS11-72C transmission)

3940

1 53 52 53

PARTS LIST FOR MARINE UNITS WITH DIRECT DRIVE

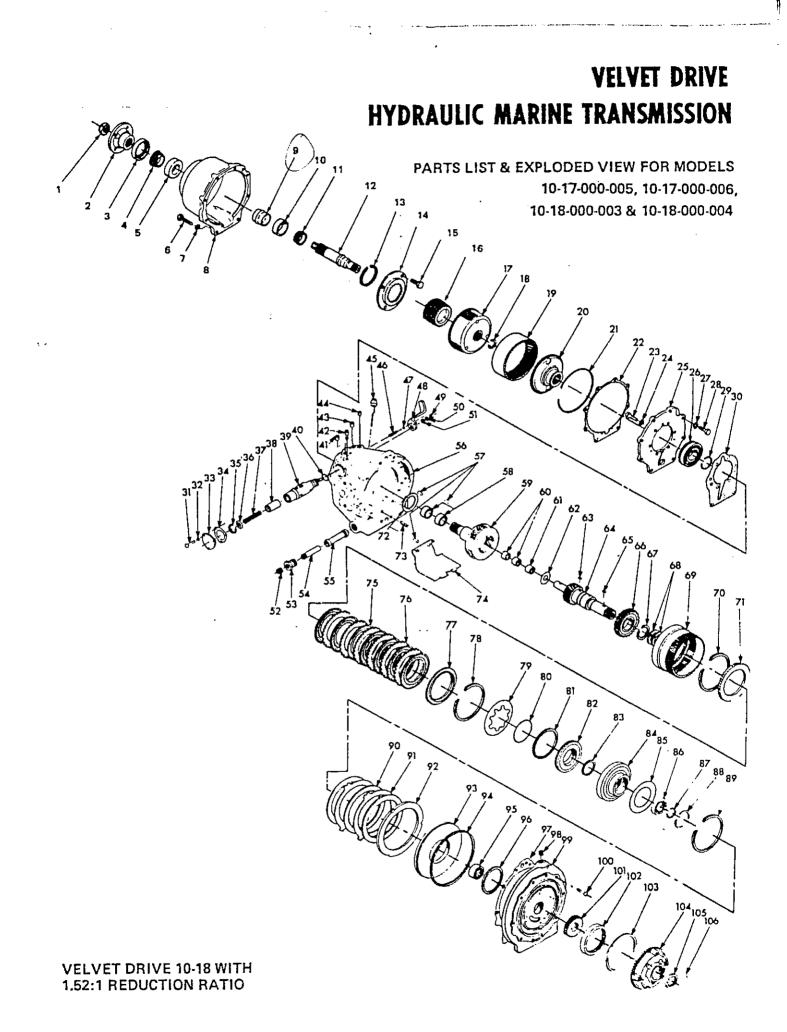
NDEX NO.	W.G. PART NO.	DESCRIPTION	NO. REQ.	INDEX NO.	W.G. PART NO.	DESCRIPTION	NO. REQ
1	4775L	Main shaft nut	1	= 76	3-176	Clutch plate (steel) (10-18)	6
2	4547AY	Coupling (10-18)	1			Clutch plate (steel) (10-17)	4
3	45478A 71C-110	Coupling (10-17) Oil seal		77 78	5C-175A 4755	Clutch pressure plate Clutch spring snap ring	
4	72-7	Bearing retainer (10-18)	l i	79	3-37	Clutch spring	i
1	71-7	Bearing retainer (10-17)	1	80 81	50-33	Clutch spring bearing ring	1
5	B309AGS B308AGS	Annular Bearing (10-18) Annular bearing (10-17)	1	82	5L-36 71-45	Clutch ring Forward clutch piston	1
6	72-147	Bearing retainer gasket (10-18)	1	83	5M-122	Sealing ring ("O" ring)	i
7	71-147 47370	Bearing ratainer gasket (10-17) 7/16-14 x 1-1/8 Hex head bolt (10-18)	1 6	84	72-70 71-70	Forward clutch cylinder (10-18) Forward clutch cylinder (10-17)	
1	0000179859	7/16-14 x 1-1/8 Hex head bolt (10-17)	6	85	71-15B	Thrust washer	li I
8	X2979DR	7/16 Lockwasher (10-18)	6	86	B108A	Annular bearing (10-18)	1
31	0000103322 0000179791	7/16 Lockwasher (10-17) 1/4-20 x 1/2 Hex head bolt	63	87	B107A 4559A	Annular bearing (10-17) Snap ring (10-18)	1
33	71-4	Valve cover	Ĩ	· · ·	4734	Snap ring (10-17)	1
1 34	71-14	Valve cover gasket	1	88	47668	Snap ring (10-18)	1
N.I.	71-A244A	Valve & spring assembly (items 35, 36, 37, 38, & 39)	1	89	R6A-7-1/2 4822	Snap ring (10-17) Ring gear snap ring	1
35	4821	Snap ring	1	90	72-A668	Reverse clutch plate assembly (10-18)	2
36	71-246	Valve spring retainer		91	72-176	Reverse clutch partie assembly (10-17) Outer clutch plate (10-18)	1
37	71-242 71-243	Valve spring Pressure regulator valve		91	71-71	Reverse clutch pressure plate	
1 39	71-244A	Forward & reverse gear trans, valve	1	93	71-35	Reverse clutch piston	1
40 41	4804H 10-00-191-002	"O" Aing 3/8-18 Plastic plug		94 95	4805A 4840D	Sealing ring Needle bearing	
42	A4740G	Breather assembly		96	4804G	SEaling ring	1
43	444866	3/8-18 Pipe plug	1	97	71-1448	Case & adapter gasket	1
44	444687- 10-13-559-001	1/8-27 Pipe plug Dipstick assembly		98 99	444858 71C-A8	1/4 Pipe plug Forward & reverse adapter	1
- 75 N.I.	10-04-034-002	Dipstick tube		100	4911	3/8-16 x 1-1/4 Cap screw	4
46	71-42	Poppet spring	1	N.I.	71C-A60	Pump assembly (includes 101, 102, 104,	
47	453632 71-798	5/16 Steel ball Forward & reverse shift lever		101	Not serviced	& 105) Pump drive gear (order assembly)	1
49	115729	5/16-24 Hex nut	i	102	Not serviced	Pump driven gear (order assembly)	i
50	108579	5/16 Lockwasher	1	103	3-61	Pump Gasket	1
51	103340	Control lever washer 3/8-18 Plastic plug	1	104 105	Not serviced 10-00-044-014	Pump housing (order assembly) Oil seal assembly	1
53	4885B	Bushing	i	106	10-00-183-021	5/16-18 x 1-3/8 Hex head bolt	4
54	71C-84	Oil return tube	1	!		•	
55	71C-A98A 71C-A98	Oil strainer assembly (10-18) Oil strainer assembly (10-17)	1	1		•	
56	72-A1J	Case (10-18)	1	[]			1
57	718-A1A R6-177	Case (10-17) Dowel pin (10-18)	1.				
1	71-87A	Dowel pin (10-107	3	1			
, 58	Kit A4867VV	Case bushings (2 presized bushings in kit)	1			\$	
59	72-1A2 71-1A2	Pinion cage & output shaft (10-18) Pinion cage & output shaft (10-17)					
60	Kit A4867DD	2 Presized bushings	1				
61 62	Kit A4867DD 71-17	2 Presized bushings Thrust washer					t ł
63	0000124553	Woodruff key (10-18)					
	0000218211	Woodruff key (10-17)					
64	72C-2A16 71C-3A16	Drive gear & plug assembly (10-18) Drive gear & plug assembly (10-17)					
65	4873	Woodruff key	i				
66	72-40 71-40	Forward clutch hub (10-18) Forward clutch hub (10-17)					
67	4495	Snap ring			1		
68	4806J	Sealing ring	2				
69	72-6 71-6	Ring gear (10-18) Ring gear (10-17)	1			1	
70	4768	Snap ring selective .050054, green	1-2		}		ļ
· [4768A 4768B	(10-18 only) .074078, orange	1		1		
71	51-67	.096100, white Clutch pressure plate					1
173	71-97	Pressure plate spring	12				
74	71-140 718-140	Oil.baffle (10-18) Oil baffle (10-17)	1				
75	5C-A66A	Clutch inner plate (10-18)	1 7]
1		Clutch inner plate (10-17)	5				1
1]			· ·			

N.I.-NOT ILLUSTRATED



Warner Gear

Division of Borg-Warner Corporation P.O. Box 2688, Muncie, Indiana 47302 Telephone: 317/286-6100 Telex: 027-491



PARTS LIST FOR MARINE UNITS WITH 1.52:1 REDUCTION RATIO

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INDEX NO.	W.G. PART NO.	DESCRIPTION	NO. REO.	INDEX NO.	W.G. PART NO.	DESCRIPTION	NO. REQ
-	47750-	Main shaft nut 1000 -149 - 012	1	67	4495	Snap ring	1
2	10-00-031-001	Coupling	1	68	4806J	Sealing ring	2
13 [10-00-044-017	Oil seal	1	69	72-6	Ring gear (10-18)	1
4	10-00-133-002	Bearing cone	1	70	71-6	Ring gear (10-17) Snap ring, selective .059054, green	1-2
5	10-00-133-001	Bearing cup	1		4768 4768A	(10-18 only)074078, orange	1
6	179864	7/16-14 x 1-3/4 Hex head bolt	2		47688	.096100, white	
2	103322	7/16 Lockwasher		71	5L-67	Clutch pressure plate	1 1
B	10-17-065-001	Reduction housing	li	72	71-159	Thrust washer	1 1
	10-17-053-001	Bearing spacer Bearing cup	li	73	71.97	Pressure plate spring	12
11	10-00-133-010	Bearing cone	li	74	71-140	Baffle	1 1
1 12	10-17-171-001	Reduction unit main shaft	l 1	75	5C-A66A	Clutch inner plate assembly (10-18)	7
1 13 1	10-00-139-013	Snap ring	1	l		Clutch inner plate assembly (10-17)	5
14	10-17-179-001	Sun gear hub	1	76	3-176	Clutch plate (10-18)	6
15	4776BB	7/16-14 x 7/8 Hex head bolt	4	II	5C-175A	Clutch plate (10-17) Clutch pressure plate	4
16	10-17-165-001	Sun gear		77	4755	Clutch spring snap ring	1 i
17	L4-A150	Pinion cage assembly	1	79	3-37	Clutch spring	1 1
18	4734 L3-6	Snap ring Ring gear	1 1	80	5C-33	Clutch spring bearing ring	1
20	L3-6 L4-16	Input gear	li	81	5L-36	Clutch ring	1
21	4756D	Snap ring	1	82	71-45	Forward clutch piston	1 1
22	L4-146	Adapter gasket-rear	1	83	5M-122	Sealing ring	
23	4853D	7/16-14 x 1 Lock bolt	6	84	72-70	Forward clutch cylinder (10-18) Forward clutch cylinder (10-17)	
24	115550	7/16 Lockwasher	6	85	71-15B	Thrust washer	i
25	L4-88	Reduction unit adapter	1	86	B108A	Bearing (10-18)	l i
26	B111AG	Annular bearing 3/8 Lockwasher	6		B107A	Bearing (10-17)	1
27 28	103321 179840	3/8-16 x 1-1/8 Hex head bolt	6	87	4559A	Snap ring (10-18)	1
29	4766	Snap ring	l ī	1	4734	Snap ring (10-17)	1
30	L4-145	Reduction adapter gasket-front	1	88	47668	Snap ring (10-18 only)	1 1
31	179791	1/4-20 x 1/2 Hex head bolt	3		R6A-7-1/2	Snap ring (10-17)	1 2
33	71-4	VAlve cover	1	89	4822	Ring gear snap ring	1
34	71-14	VAlve cover gasket	11	90	72-A66B	Reverse clutch plate assembly (10-18) Reverse clutch plate assembly (10-17)	2
35	4821	Snap ring	1	91	72-176	Outer clutch plate (10-18)	2
36	71-246	Valve spring retainer		1 31	12-170	Outer clutch plate (10-17)	1 1
37	71-242	VAlve spring	1.	92	71-71	Reverse clutch pressure plate	1
38 39	71-243 71-244A	Pressure regulator valve Forward & reverse gear transmission valve		i ši	71-35	Reverse clutch piston	1
N.I.	71-A244A	Valve & spring assembly (items 35 thru 39)	l i	94	4805A	Sealing ring	1
40	4804H	"O" Ring	1 1	95	4840D .	Needle bearing	1
41	10-00-191-002	3/8-18 Plastic shipping plug	1	96	4804G	Sealing ring	1
42	A4740G	Breather assembly	11	97	71-1448	Case & adapter gasket	
43	444866	3/8-18 Pipe plug	11	98	444858 71C-A8	1/4 Pipe plug Forward and reverse adapter	i
44	444687	1/8-27 Dryseal plug	1	100	4911	3/8-16 x 1-1/4 Cap screw	4
N.I.	10-04-034-002	Tube	11	II N.1.	71C-A60	Pump assembly	1 1
45	71-42	Dipstick Poppet spring	li	101	Not serviced	Pump drive gear (order pump assembly)	1
47	453632	5/16 Steel ball	1 i .	102	Not serviced	Pump driven gear (order pump assembly)	1
48	71-798	Forward & reverse shift lever	1	103	3-61	Pump gasket	1
49	115729	5/16-24 Hex nut	1	104	Not serviced	Pump housing (order pump assembly)	
50	108579	5/16 Lockwasher	1	105	10-00-044-014	Oil seal assembly 5/16-18 x 1-3/8 Hex head bolt	4
51	103340	Control lever washer		100	10-00-183-021	WITCHIG & HOTE LICK HEAD DOIL	
52	10-00-191-002	3/8-18 Plastic shipping plug				}	
53 54	48858 71C-84	Bushing Oil return tube	1	1	1	1	
55	71C-04	Oil strainer assembly	l i	1		4	
55	72-A1K	Transmission case with bushing (10-18)	i				
1	71-A1K	Transmission case with bushing (10-17)	1	1	l		
57	4622E	Dowel pin (10-18)	3	1	1		
1	R6-177	Dowel pin (10-17)	3	{	1	· ·	
58	Kit A4867VV	Presized case bushing (two in kit)		1	1		
59	10-18-659-002	Pinion cage & output shaft assembly (10-18) Pinion cage & output shaft assembly (10-17)		11			
60	10-17-659-002 Kit A4867DD	2 Presized bushings in kit	2	l	1		t I
61	Kit A4867DD	Presized bushing	1				
62	71-17	Thrust washer	1	1	1		
63	124553	Woodruff key (10-18 only)	1	H	1		
1	218211	Woodruff key (10-17)	1	11			
64	72C-2A16	Drive gear & plug assembly (10-18)		11	1		
c =	71C-3A16	Drive gear & plug assembly (10-17) Woodruff key		11			
65 66	4873	Forward clutch hub (10-18 only)	i i	1	1		
	71-40	Forward clutch hub (10-17)	i	11			
	1			11	I		ا مسمعا الم

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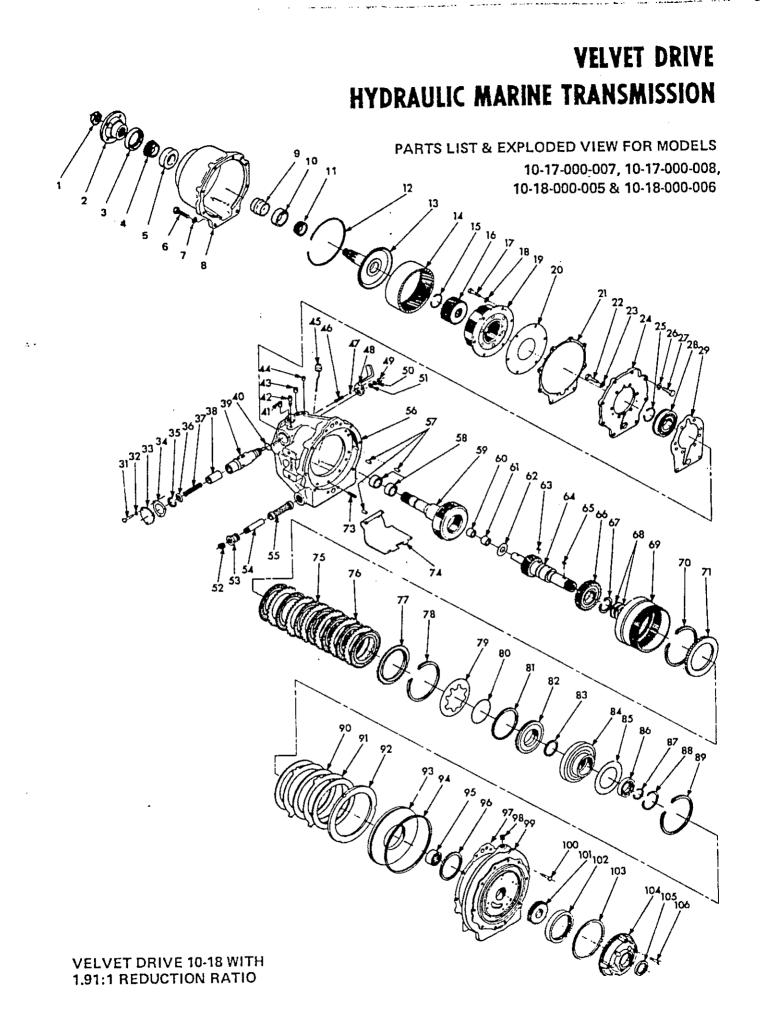
Warner Gear



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PARTS LIST FOR MARINE UNITS WITH 1,91:1 REDUCTION RATIO

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NO.	W.G. PART NO.	DESCRIPTION	NO. REQ.	INDEX NO.	W.G. PART NO.	DESCRIPTION	N RE
	47750-	Main shaft nut 1000 - 149 - 012	1	68	4806J	Sealing ring	2
i 2	10-00-031-001	Coupling	1	69	72-6	Ring gear (10-18)	1
3	10-00-044-017	Oil seal		70	71-6	Ring gear (10-17)	1
4 5	10-00-133-002	Bearing cone	1	70	4768 4768A	Snap ring, selective .050054, green (10-18 only) .074078, orange	1.
6	10-00-133-001	Bearing cup 7/16-14 x 1-3/4 Hex head bolt	Ż		47688	.096100, white	1
j ž	103322	7/16 Lockwasher	2	71	5L-67	Clutch pressure plate	1
8	10-17-065-003	Reduction housing	1 1	73	71-97	Pressure plate spring	12
9	10-17-053-001	Bearing spacer	1 1	74	71-140	Baffle	1
10	10-00-133-009	Bearing cup	1	75	5C-A66A	Clutch inner plate assembly (10-18)	7 5
11	10-00-133-010	Bearing cone	11			Clutch inner plate assembly (10-17)	5
12 13	4756D 10-17-171-002	Snap ring Reduction unit main shaft		76	3-176	Clutch plate (10-18) Clutch plate (10-17)	6 4
14	L3-6	Ring gear		77	5C-175A	Clutch pressure plate	1
15	4734	Snap ring	i	78	4755	Clutch spring snap ring	i
16	L7-104	Sun gear		79	3-37	Clutch spring	1
17	4853B	Lock bolt 5/16-18 x 3/4	6	80	5C-33	Clutch spring bearing ring	1
18	114605	5/16 Lockwasher	6	81	5L-36	Clutch ring	1
19	L9-A150	Pinion cage and gear assembly		82 83	71-45 5M-122	Forward clutch piston	
20 21	L9-99 L4-146	Lube oil strainer Reduction adapter gasket, rear	1	83	72-70	Sealing ring Forward clutch cylinder (10-18)	1
22	4853D	7/16-14 x 1 Lock bolt	6		71-70	Forward clutch cylinder (10-17)	i
23	115550	7/16 Lockwasher	6	85	71-15B	Thrust wesher	1
24	L9-8A	Reduction unit adapter	1	86	B108A	Bearing (10-18)	1
25	4816	Snap ring	1	87	B107A 4559A	Bearing (10-17)	1
26 27	179840 103321	3/16-18 x 1-1/8 Hex head boit 3/8 Lockwasher	6	67	45594	Snap ring (10-18) Snap ring (10-17)	1
28	B308AGS	Annular bearing	1	88	47668	Snap ring (10-18 only)	1
29	L4-145	Reduction housing gasket - front	1		R6A-7-1/2	Snap ring (10-17)	1
31	179791	1/4-20 x 1/2 Hex head bolt	3	89	4822	Ring gear snap ring	1
33	71-4	Valve cover	1	90	72-A66B	Reverse clutch plate assembly (10-18)	322
34	71-14	VAlve cover gasket		91	77.170	Reverse clutch plate assembly (10-17)	2
35	4821 71-246	Snap ring Valve spring retainer		91	72-176	Outer clutch plate (10-18) Outer clutch plate (10-17)	1
37	71-242	Valve spring retained	;	92	71-71	Reverse clutch pressure plate	1
38	71-243	Pressure regulator valve	;	93	71-35	Reverse clutch piston	i
39	71-244A	Forward & reverse gear transmission valve	j j	94	4805A	Sealing ring	1
N.I.	71-A244A	Valve & spring assembly (items 35 thru 39)	1	95	4840D	Needle bearing	• 1
40	4804H	"O" Ring	1	96	4804G	Sealing ring	1
41	10-00-191-002	3/8-18 Plastic shipping plug	1	97 98	71-1448 444858	Case & adapter gasket 1/4 Pipe plug	1
42 43	A4740G 444866	Breather assembly 3/8-18 Pipe plug	1	99	71C-A8	Forward and reverse adapter	1 1
44	444687	1/8-27 Dryseal plug		100	4911	3/8-16 x 1-1/4 Cap screw	4
N.L.	10-04-034-002	Tube	i	N.I.	71C-A60	Pump assembly	1
45	10-04-559-001	Dipstick	1	101	Not serviced	Pump drive gear (order pump assembly)	1
46	71-42	Poppet spring	1	102	Not serviced	Pump driven gear (order pump assembly)	1
47	453632	5/16 Steel ball	1 2	103	3-61	Pump gasket Pump housing (order pump assembly)	1
48 49	71-79B 115729	Forward & reverse shift lever	1	104	Not serviced 10-00-044-014		1
49 50	108579	5/16-24 Hex nut 5/16 Lockwasher		105	10-00-183-021	5/16-18 x 1-3/8 Hex head bolt	4
51	103340	Control lever washer					
52	10-00-191-002	3/8-18 Plastic shipping plug	1				
53	4885B	Bushing		1			
54	71C-84	Oil return tube	1				
55 56	71C-A98A 72-A1K	Oil strainer assembly Transmission case with bushing (10-18)	1				
	72-A1K	Transmission case with bushing (10-18)	1	1			
57	4622E	Dowet pin (10-18)	3				
	R6-177	Dowel pin (10-17)	3				
58	Kit A4867VV	Presized case bushing (two in kit)					
59	72-1A2C	Pinion cage & output shaft assembly (10-18)		1			
60	71-1A2C Kit A4867DD	Pinion cage & output shaft assembly (10-17) 2 Presized bushings in kit	1 2				
62	71-17	Thrust washer	1				{
63	124553	Woodruff key (10-18 only)	i				
	218211	Woodruff key (10-17)	[1]				
64	72C-2A16	Drive gear & plug assembly (10-18)	1	1	İ		
65	71C-3A16 4873	Drive gear & plug assembly (10-17) Woodruff key					
66	4673 72-40	Forward clutch hub (10-18 only)		1			
1 1	71-40	Forward clutch hub (10-17)	i	}			
67	4495	Snap ring	i	}			
				4			
					i	· · · · · · · · · · · · · · · · · · ·	

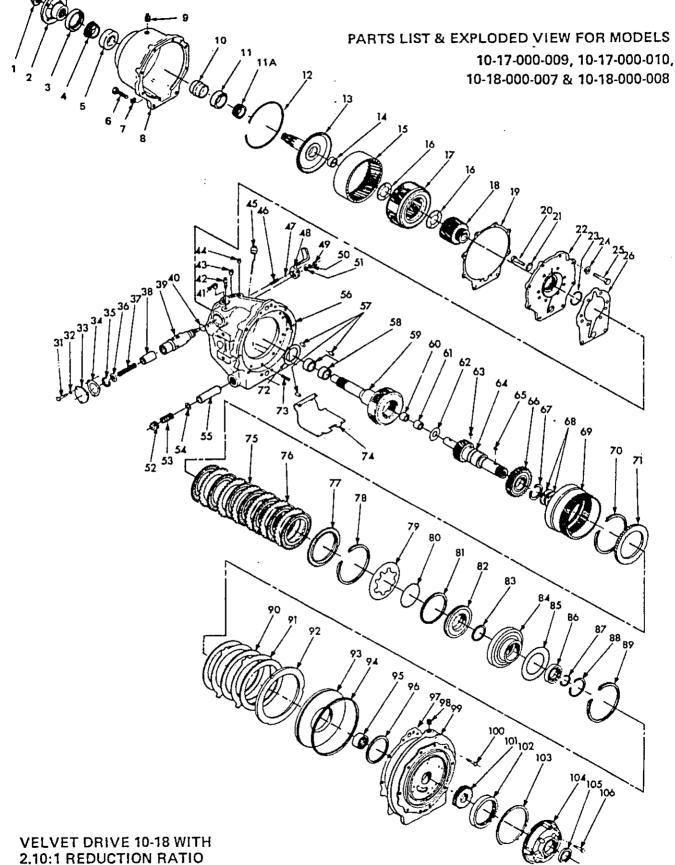
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Warner Gear



Division of Borg-Warner Corporation P.O. Box 2688, Muncie, Indiana 47302 Telephone: 317/286-6100 Telex: 027-49

VELVET DRIVE HYDRAULIC MARINE TRANSMISSION



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PARTS LIST FOR MARINE UNITS WITH 2.10:1 REDUCTION RATIO

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1 47560- 1 Main haft nut 1 0 0 - 1/4 9 - 012 1 683 1 4806J Sealing ring 77-6 Ring gear (10-18) 1 1 1000-044-017 Oil seal 1 67 77-6 Ring gear (10-18) 1 4 1000-044-017 Oil seal 1 77-6 Ring gear (10-18) 1 4 1000-044-017 Oil seal 1 77-6 Ring gear (10-18) 1 4 1000-044-017 Oil seal 1 77-6 Ring gear (10-18) 1 5 10-00-044-017 Bearing cone 1 70 4768 Snap ring, selective .050054, green 1 7 1716 Lckwasher 1 72 71-165 Thrust washer 1 9 10-00-133-001 Bearing cone 1 73 71-97 Presture plate spring 1 1 11 10-00-133-001 Bearing cone 1 76 3-176 Clutch iner plate assembly (10-17) 1 12 4756D Snap ring 1 </th <th>INUEX NO.</th> <th>W.G. PART NO.</th> <th>DESCRIPTION</th> <th>NO. REQ.</th> <th>INDEX NO.</th> <th>W.G, PART NO.</th> <th>DESCRIPTION</th> <th>NO. RE</th>	INUEX NO.	W.G. PART NO.	DESCRIPTION	NO. REQ.	INDEX NO.	W.G, PART NO.	DESCRIPTION	NO. RE
4110-00-191-0023/8-18 Plastic shipping plug1954840DNeecle bearing42A4740GBreather assembly1964804GSealing ring434448663/8-18 Pipe plug19771.144BCase & adapter gasket444446871/8-27 Dryseal plug1984448581/4 Pipe plug4510-04-559-001Dipstick19971C-A8Forward and reverse adapter4671-42Poppet spring110049113/8-16 x 1-1/4 Cap screw4671-42Poppet spring1101Not servicedPump assembly474536325/16 Steel ball1102Not servicedPump drive gear (order pump assembly)4871-79BForward & reverse shift lever11033-61Pump gasket501085795/16 Lockwasher1104Not servicedPump housing (order pump assembly)501085795/16 Lockwasher110510-00-044-0140id seal assembly	1 2 3 4 5 6 7 8 9 10 11 11 12 3 4 5 6 7 8 9 10 11 11 12 3 4 5 6 7 8 9 10 11 11 12 3 4 5 6 7 8 9 10 11 11 11 11 11 11 11 11 11 11 11 11	PART NO. 47750 10-00-031-001 10-00-133-002 10-00-133-002 10-00-133-001 179864 103322 10-17-065-002 10-00-133-001 10-00-133-001 10-00-133-001 10-00-133-009 10-00-133-010 4756D 10-17-171-002 A4867DD L3-5 3-24 10-17-1659-016 10-17-1659-010 10-17-659-010 10-17-165-002 L4-146 4853D 115550 L5-8A 4766A 103321 179840 L4-145 179791 71-4 71-246 71-246 71-246 71-243 71-244A 10-04-034-002 71-32 10-04-034-002 71-42 453632 71-79B 115729 <td>Main sheft nut 1000-149-012 Coupling Oil seal Bearing cone Bearing cone Bearing cone T/16-14 x 1-3/4 Hex head bolt 7/16 Lockwasher Reduction housing Plastic plug Bearing spacer Bearing cone Snap ring Output shaft 2 Output shaft bushing kit Ring gear Thrust washer Pinion cage and gear assembly (C units) Pinion cage and gear assembly (C units) Sun gear Adapter gasket - rear 7/16-14 x 1 Lock bolt 7/16 Lock washer Reduction unit adapter Snap ring 3/8 Lock washer Reduction unit adapter Snap ring 3/8 Lock washer 3/8-16 x 1-1/8 Hex head bolt Reduction adapter gasket-front 1/4-20 x 1/2 Hex head bolt Valve cover Valve cover gasket Snap ring Valve spring retainer Valve cover gasket Snap ring 3/8-18 Plastic shipping plug Breather assembly (items 35 thru 39) "O" Ring 3/8-18 Plastic shipping plug Breather assembly 3/8-18 Pise plug 1/8-27 Dryseal plug 1/8-27 Dryseal plug J/8-18 Pise thif Forward & reverse shift lever 5/16-24 Hex nut 5/16 Lockwasher Control lever washer 3/4 Pipe plug 1/8-27 Dryseal plug J/8-18 Pise thift lever 5/16-24 Hex nut 5/16 Lockwasher Control lever washer 3/4 Pipe plug Spring Flat washer Oil inlet shield Transmission case with bushing (10-18) Transmission case with bushing (10-17) Presized case bushing (two in kit) Pinion cage & output shaft assembly (10-17) 2 Presized bushings Thrust washer Woodruff key (10-18 only) Woodruff key Forward clutch hub (10-18 only)</td> <td>REO. 1111112211111111116611861311111111111111</td> <td>63 69 70 71 72 73 74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 91 92 94 95 96 97 98 990 N.I. 101 102 103 102 103 103 103 103 103 103 103 103</td> <td>PART NO. 4806J 72-6 71-6 4768 4768A 4768B 5L-67 71-159 71-97 71-140 5C-A66A 3-176 5C-175A 4755 3-37 5C-33 5L-36 71-45 5M-122 72-70 71-70 71-75B B108A B107A 4559A 4734 7666B R6A-7-1/2 4822 72-A66B 72-176 71-71 71-35 4805A 4840D 4804G 71-144B 444858 71-C-A8 4911 71C-A60 Not serviced 3-61 Not serviced 10-00-044-014</td> <td>Sealing ring Ring gear (10-18) Ring gear (10-17) Snap ring, selective .050054, green (10-18 only) .074078, orange .096100, white Clutch pressure plate Thrust washer Pressure plate spring Baffle Clutch inner plate assembly (10-18) Clutch inner plate assembly (10-17) Clutch plate (10-17) Clutch plate (10-17) Clutch pressure plate Clutch spring snap ring Clutch spring bearing ring Clutch spring bearing ring Clutch spring bearing ring Clutch spring bearing ring Clutch spring (10-17) Thrust washer Bearing (10-18) Bearing (10-17) Snap ring (10-18) Snap ring (10-18) Snap ring (10-18) Snap ring (10-17) Snap ring (10-18) Snap ring (10-17) Snap ring (10-17) Snap ring (10-17) Snap ring (10-17) Snap ring (10-17) Snap ring (10-17) Snap ring (10-17) Reverse clutch plate assembly (10-18) Reverse clutch plate (10-17) Outer clutch plate (10-17) Cuter clutch plate (10-17) Reverse clutch plate assembly (10-17) Outer clutch plate (10-17) Reverse clutch plate assembly (10-17) Quter clutch plate (10-17) Reverse clutch plate assembly (10-17) Outer clutch plate (10-17) Reverse clutch plate (10-17) Reverse clutch plate (10-17) Reverse clutch plate (10-17) Reverse clutch plate (10-17) Purp drive gear (order pump assembly) Pump drive gear (order pump assembly) Pump gasket Pump housing (order pump assembly)</td> <td></td>	Main sheft nut 1000-149-012 Coupling Oil seal Bearing cone Bearing cone Bearing cone T/16-14 x 1-3/4 Hex head bolt 7/16 Lockwasher Reduction housing Plastic plug Bearing spacer Bearing cone Snap ring Output shaft 2 Output shaft bushing kit Ring gear Thrust washer Pinion cage and gear assembly (C units) Pinion cage and gear assembly (C units) Sun gear Adapter gasket - 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67 4495 Snap ring 1	67		Snap ring					

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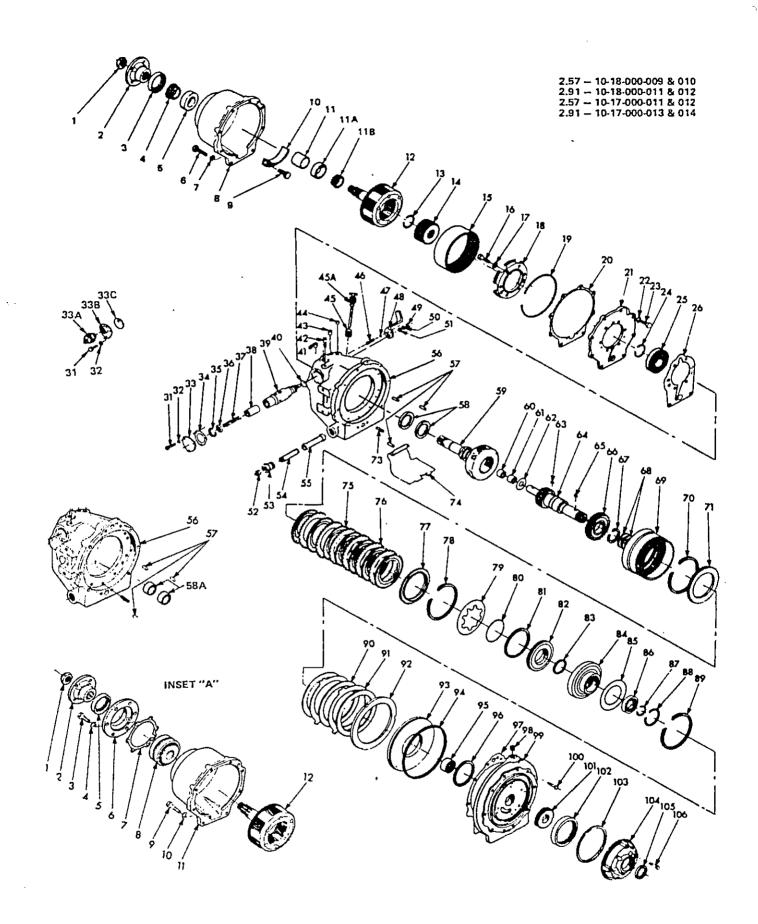
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PARTS LIST FOR
10-18-000-009, 10-18-000-0010,10-18-000-011,10-18-000-012, AS14-72C,AS15-72C,
10-17-000-011, 10-17-000-012, 10-17-000-013, 10-17-000-014, AS14-71C & AS14-71C

ž	INDEX NO.	PART NUMBER	PART NAME OR DESCRIPTION	NO. REQ'D.		NDEX	PART NUMBER	PART NAME OR DESCRIPTION	NO. REQ'L
マブ	1	10-00-149-012	Mainshaft nut - flanged	1	11	60	A4867DD	Two presized bushings in kit-one kit for	1
	234	10-00-131-001	Coupling Oil seal			61 62	A4867DD 71-17	current unit — two for early units Thrust washer	
	45	10-00-133-002	Bearing cone	1		63	0000124553 0000218211	Woodruff key (72C & 10-18) Woodruff key (70C, 71C & 10-17)	
	6	0000179864	Bearing cup 7/16-14 x 1-3/4 Hex head bolt	Ż	H	64	72C-2A16	Drive gear & plug assy, (72C & 10-18)	
	7 8	0000103322	7/16 Lockwasher Reduction housing	2 2 1 2		65	71C-3A16 4873	Drive gear & plug assy. (70C, 71 & 10-17) Woodruff key	1
:	9 10	477688 10-17-035-001	7/16-14 x 7/8 Hex lock bolt Oil baffle	2 1		66	72-40 71-40	Forward clutch hub (72C & 10-18) Forward clutch hub (70C, 71C & 10-17)	
	Ϊĭ	10-17-053-007 10-17-053-003	Solid spacer820821" (20.83-20.85mm)		11	67 68	4495 4806J	Snap ring - Sealing ring	1
		10-17-053-003	Solid spacer820821" (20.83-20.85mm) Solid spacer829830" (21.06-31.08mm) Solid spacer833833" (21.13-21.16mm) Solid spacer835835" (21.21.21.23mm)	•	11	69	72-6 71-6	Bing gear (22C & 10-18)	2
				•		7Ò	71-6 4768	Ring gear (70C, 71C & 10-17) .054059" (1.37-1.50 mm) Snap ring .074078" (1.88-1.98 mm) Snap ring	1
		10-17-053-007	Solid spacer-,836-839 (21.23-21.3 mm) Solid spacer-,841-,842" (21.36-21.39mm) Solid spacer-,844-,845" (21.44-21.46mm) Solid spacer-,847-,848" (21.51-21.54mm) Solid spacer-,850-,851" (21.59-21.62mm)	•			4768A 47688	.074078" (1.88-1.98 mm) Snap ring .096100" (2.44-2.54 mm) Snap ring	-
		10-17-053-008 10-17-053-009	Solid spacer847848" (21.51-21.54mm)				10-00-139-019	.084088" (1.88-1.98 mm) Snap ring	
		10-17-053-010				71 73	5L-67 71-97	Clutch pressure plate Pressure plate spring	12
	11A	10-00-133-009	may be used to replace the collapsible space Bearing cup (10-17 & 10-18)	r 1		74 75	71-140 12-A66	Oil baffle Clutch friction plate (72C & 10-18)	1 7 5 3
•	11B	10-00-133-010	Bearing cone (10-17 & 10-18)	i				(71C & 10-17) (70C)	5
	- 12	10-17-659-007 10-17-659-008	Pinion cage & output shaft (2.57 units) Pinion cage & output shaft (2.91 units)	1			5C-A66A	Bronze clutch platelmay be used optionally	
	13 14	4734 L6-104	Snap ring Sun gear (2.57 units)	1		76	3-176	for 12-A66) Steel clutch plate (72C & 10-18)	6
		L7-104	Sun gear (2.9) units/	1				(71C & 10-17) (70C)	6 4 2 1
	15	L3-6 L6-6	Ring gear (2.91 units) Ring gear (2.57 units)	1		77	5C-175A	Clutch pressure plate	
	16 17	4853E 0000115550	Lock bolt 7/16 Lockwasher	1 6 6		78 79 80	4755 3-37	Clutch spring snap ring Clutch spring	1 i
	18	L6-31 L7-31	Stationary gear plate (2.57 units) Stationary gear plate (2.91 units)	1.		80 81	5C-33 5L-36	Clutch spring bearing ring Clutch sealing ring	
	19	4756E	Snap ring (2.57 units) Snap ring (2.91 units)	1		81 82 83	5L-36 71-45 5M-122	Clutch piston Sealing ring	
	20	4756D L4-146	Adapter gasket — rear	1		84	72-70	Forward clutch cylinder (72C & 10-18)	
	21	L7-8A 0000103321	Reduction unit adapter 3/8 Lockwasher	1 6		85	71-70 71-158	Forward clutch cylinder (71C & 10-17) Thrust washer	
	23	0000179840	3/8-16 x 1-1/8 Hex head bolt	Ğ		86	8108A 8107A	Annular bearing (72C & 10-18) Annular bearing (70C, 71C & 10-17)	1
	25 26	4816 8308AGS	Snap ring Annular bearing	ł		87	4559A	Snap ring (72C & 10-18)	
~	26 31	L4-145 0000179793 -	Adapter gasket — front 1/4-20 x 5/8 Hex head bolt (for valve cover)	۴ E		88	4734 47668	Snap ring (70C, 71C & 10-17) Snap ring (72C & 10-18)	
1 g	32	0000179796 0000103319	1/4-20 x 7/8 Hex head bolt (for neutral switc) 1/4 Lockwasher	3	11	89	R6A-7½ 4822	Snap ring (70C, 71C & 10-17) Ring gear snap ring	
2	33	71-4	Valve cover	1	11	- 89 90	10-17-666-001	Reverse clutch plate (72C * 10-18) (71C & 10-17)	3
	AEE	10-06-640-004	Neutral switch & "O" ring assembly (Note items 33B & 33A must be used	1			72-A66A	Bronze clutch plate (used interchangeably	
	N.I.	10-00-141-046	together when replacing early switch) "O" Ring for switch	1			72-A66	with 10-17-666-001 Thin bronze plate (this plate is required for a	1
i	338	10 16-039-001	Valve cover Switch cam	1	1			 few early units and two of these plates music be used with one steel plate to replace the 	
	33C 34 35	71-14	Valve cover gasket	1		01	72-176	fiber plate 71-86)	1
	36	4821 71-246	Snap ring Valve cover retainer	1		91		Steel clutch plate (72C & 10-18) (71C & 10-17)	2
•	37	71-242 72N-242	Spring (used with bushing in case) Spring (used with sealing rings in shaft)			92 93	71-71 71-35	Reverse clutch pressure plate Reverse clutch piston	
	38	71-243	Pressure regulator valve	1		94 95	4805A 4840D	Sealing ring Needle bearing	
		71-A244A	Valve & spring assembly Valve & spring assembly	1	11	95 96 97	4804G	Sealing ring	i
	39 40	71-244A 4804H	Forward & reverse shift valve	1		98	71-1448 0000444858	Case & adapter gaskat 1/4 Pipe plug	1
	41 42	10-00-191-002 A4740G	3/8 Plastic shipping plug Breathercurrent	1		99 100	71C-A8 4911	Forward & reverse adapter 3/8-16 x 1-1/4 Cap screw	1 4
		47408	Breather-early units-drive in	1		101 102	Order assembly Order assembly	Pump drive gear	1
	43	AJ2-87 0000444866	Breather—early units-screw in 3/8-18 Pipe plug	1		103	3-61	Pump gasket	i
	44 45	0000444687	1/8-27 Pipe plug Dipstick tube			104 105	Order assembly 10-00-044-014	Oil seal assembly	
	45A	10-04-559-001 71-1A195	Dipstick (used with tube) Dipstick (tube not required)			106	71C-62A 10-00-183-021	Oil seal assy. (optional with 10-00-044-014) 5/16-18 x 1-3/8 Hex head bolt (current unit:	- 1 s) 4
	46 47	71-42	Poppet spring 5/16 Steel ball	1			0000179822	5/16-18 x 1-1/2 Hex head bolt (used with early pumps)	
	48	71-798	Forward & reverse shift lever	1			1		l
	49 50	0000115729	5/16-24 Hex nut 5/16 Lockwasher	1			. 1	SEE INSET "A"	
	50 51 52 53 54 55	0000103349	Control lever washer 3/8-18 Plastic shipping plug			2	10-00-149-012 4912	Main shaft nut Coupling	1 1
	53 54	48858 71C-84	Bushing Oil return tube	1		2 3 4	179860 103322	7/16-14 x 1-1/4 Hex head bolt 7/16 Lockwasher	6
	55 56	71C-A98A	Oil strainer assembly	i		5	71C-110	Oil seal	
	90	72-A1K 71-A1K	Trans, case with bushings(72C & 10-18) Trans, case with bushings(71C & 10-17)	1		6 7	L4-7 L4-147	Bearing retainer Bearing retainer gasket	{
		71-A1L 10-18-565-002	Trans, case with bushings(70C) Trans, case without bushings (10-18)			8 9	4920 179864	Bearing 7/16-14 x 1-3/4 Hex head bolt	
	57	10-17-565-002 71-87	Trans, case without bushings (10-17)	1 3		10	103322	7/16 Lockwasher	2
	57	71-87A	Dowel pin (70C with fiber plate) Dowel pin (70C with metallic plate)	3		11	L7-1A L7-1	Reduction housing (current) Reduction housing (early)	
		R6-177 4622E	Dowel pin (71C & 10-17) Dowel pin (72C & 10-18)	3		12	L6-A2D L7-A2D	Pinion cage & driven shaft assy. (2.57:1 only Pinion cage & driven shadt assy. (2.91:1 only	
	58 58A	4806B A4867VV	Sealing rings (10-17 & 10-18) Two presized bushings (See inset "B")	4				- · · · · · ·	
		71-1A2C 72-1A2C	Pinion cage & output shaft (70C, 71C & 10-1 Pinion cage & output shaft (72C & 10-18)	71 i					ł
		10-17-659-018	Pinion cage & output shaft (10-17 with seal	,					
		10-18-659-012	rings) Pinion cage & output shaft (10-18 with seal	1		:			1
I	*Use =+	required, N.1	- NOT ILLUSTRATED	1	ΙL				<u> </u>

*Use as required, N.I. - NOT ILLUSTRATED

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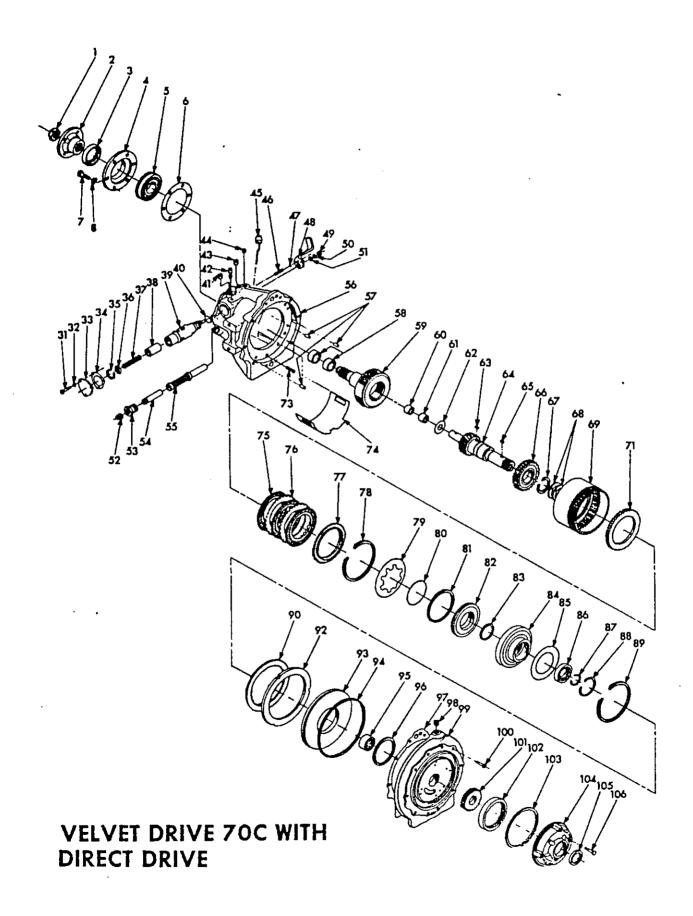
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AS1-70C DIRECT DRIVE PARTS LIST

NDEX	W. G. PART NO.	DESCRIPTION	NO. REQ.	INDEX.	W. G. PART NO.	DESCRIPTION	NO.
	47451	Mala Charles Mare	1	81	61.35	Ciutch Ring	+
1 2	45478A	Main Shett Nut	1	82	71-45	Forward Clutch Piston	11
3	71C-110	Coupling Oil Seel	1	83	5M-122	Seeling Ring ("O" Ring)	11
4	70-7	Baseing Retainer	1	84	71-70	Forward Clutch Cylinder	11
5	B20BAGS		1	85	71-158	Thrust Washer	
6		Annular Bearing	1	60 66	8107A	Beering	1
7	71-147 179859	Beering Retainer Gasket	6	-67	4734	Snep Ring	1
1	103322	7/15-14 X 1-1/8 Hex Heed Bolt 7/16 Lockweeher	6	88	R6A-71/2	Snep Ring	
_	179793	1/4-20 X 5/8 Hex Head Nut	3	89 89	4822	Snap Ring Bing Geer Snap Ring	11
31 32	103319	1/4 Lockweiher	3	90	72-A668	Reverse Clutch Plate Astembly	
33	71-4	Valve Cover	1	92	71-71	Revenue Clutch Pressure Plate	
34	71-14	Valve Cover Gasket		93	71-36	Reverse Clutch Piston	
а. С.	71-A244A	Valve & Spring Assembly (Items 35,36,37,38 & 39)	1	94	4805A	Seeing Ring	
36	4821	Snep Ring	1	95	48400	Needle Beering	1:
36	71-246	Valve Spring Retainer	1	96	4804G	Seeing Ring	
37	71-242	Valve Spring	1	97	71-1448	Case & Adepter Gasket	
38	71-243	Pressure Regulator Valva	1	98	444858	1/4 Pipe Plug	
30	71-243 71-244A	Forward & Reverse Geer Transmission Valve	5	99 99	444656 71C-8	1/4 ripe ring Forwerd & Reverse Adepter	
40	4804H	"O" Bing	1	100	4911	3/8-16 X 1-1/4 Cap Screw	
41	10-00-191-002	3/8-18 Plastic Plug	•	100 N.I.	71C-A60	Pump Assembly (includes 101,102,104, & 105)	
42	A4740G	Strether Assembly	,	101	Not Serviced	Pump Drive Gear (Order Assembly)	
43	444866	3/8—18 Pipe Plug	2	102	Not Serviced	Pump Driver Geer (Order Assembly)	
44	444687	1/827 Pipe Piug	1	102	3-61	Pump Gasket	1
		-	-			-	1
45	71-1A195	Dipetick Assembly	1	104	Not Serviced	Pump Housing (Order Assembly)	11
46	71-42	Poppet Spring	!	105	71C-62A	Oit Seel Americally	11
47	463632	5/15 Steel Ball	1	106	179822	5/15-18 X 1-1/2 Hex Head Bolt	1
48	71-798	Forward & Revene Shift Lever	1				
*	115729	5/16-24 Hex Nut	1				
50	108579	5/18 Lockwasher	1				i i
61	103340	Control Lever Washer	1				
62	10-00-191-002	3/8—18 Plantic Plug	1				1
63	48858	Bushing	1		·		
64	71C-84	Oil Return Tube	1			•	
56	710-498	Oil Strainer Assembly	1				1
66	708-A1A	Transmission Case	1				1
57	71-87A	Dowel Pin	3				
58	Kk A4857VV	Case Euchings (Two Presized Bushings in Kit)	1				
69 N	71-1A2	Pinion Cage & Output Sheft Assembly	1				
80		Main Drive Geer Bushing (71-98 Presized)					
	Kit A4867DD	ONE OF EACH IN KIT	1				
61		Main Drive Geer Bushing (71-9C Presized)					
62	71-17	Thrust Washer	¥				ł
63	218211	Woodruff Key	1				
64 85	71C-A18	Drive Geer & Plug Assembly	1				
	4873	Woodruff Key	1				1
86	71-40	Forward Clutch Hub	1				1
57 10	4495	Snap Ring	1				1
98 10	4606J	Seeing Ring	2				1
19	70-6	Ring Geer	1				1
71	5L-67 71-97	Clutch Pressure Plate					ł
73 74	71-97	Pressure Plate Spring	12				1
74 m	71B-140	Baffie Clubb Jacob Place Assessbill	1		•		ł
75	6C-A66A	Clutch Inner Plate Assembly	3				
76	3-176	Clutch Plate (Steel)	2				1
77	5C-175A	Clutch Pressure Plate	1				1
78	4755	Clutch Spring Snap Ring	1	Ì			
79	3-37	Clutch Spring	1	t l			1
80	50-33	Clutch Spring Bearing Ring	11				1

N.I. - NOT ILLUSTRATED

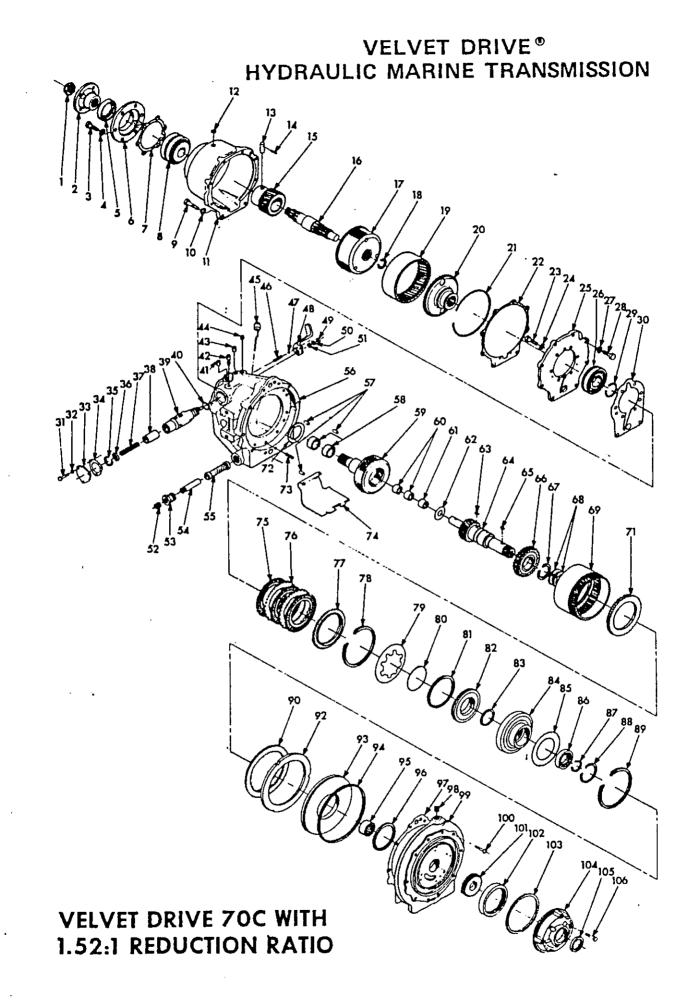
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AS2-70C 1.52:1 PARTS LIST

NDEX NO.	W. G. PART NO.	DESCRIPTION	NO. REO.	INDEX	W. G. PART NO.	DESCRIPTION	
1	4776L	Main Shirtt Nut	1	56	71-A1L	Transmission Case with Bushings	T
2	45478A	Coupling	1 1	67	71-87A	Dowel Pin	1
3	179660	7/16-14 X 1-1/4 Hex Heed Bolt	6	58	Kit A4867VV	Presized Case Bushing (Two In Kit)	1
4	103322	7/15 Lockwaher	6	59	71-1A2A	Pinion Cage & Output Sheft Amembly	
5	710-110	Oil Seal	1 1	80		Presized Bushing One of Each in Kit	1
6	L4-7	Searing Setainer	1 1	61	Kit A4967DD	Presized Bushing	1
7	L4-147	Bearing Retainer Gasket	1 1	62	71-17	Thrust Washer	I
B	4920A	Beering	f i	63	218211	Woodruff Key	
	179864	7/16-14 X 1-3/4 Hex Head Bolt	2	64	71C-A16	Drive Geer & Plug Assembly (26 Spline)	I
10	103322	7/16 Lockweiher	2	65	4873	Woodruff Kay	ł
11	L41A	Reduction Housing (Current)		66	71-40	Forward Clutch Hub	
	L41	Reduction Housing (Early)		57	4495	Snep Ring	ł
12	103891			65	48061	Sealing Ring	I
13	L4-151	Pinlon Cage Drive Pin		60	70-6	Ring Geer	Į
	-	-	1:	71	5L-87	Clutch Pressure Plate	
14	4905	Spring Pin	1:	72	71-159	Thrust Wesher	l
15	L44	Sun Geer	1	71	71-97	Pressure Plate Spring	
16	L4-2	Main Sheft	11			Baffie	ł
17	L4-A150	Pinion Cage Assembly	11	74	71-140		
18	4734	Snep Ring	1	75 -	5C-A66A	Clutch Inner Plats Asiembly	l
19	L3-6	Ring Geer	11	76	3-176	Clutch Plate	ĺ
20	L4-16	Input Geer	11	77	5C-175A	Clutch Pressure Plate	1
21	47560	Snep Ring	1 1	78	4755	Clutch Spring Snep Ring	
22	L4-146	Adepter Gasket, Reer	11	79	3-37	Clutch Spring	
23	48530	7/16-14 X 1 Lock Boit	6	80	50-33	Clutch Spring Bearing Ring	1
24	114607	7/16 Lockweiher	6	81	5L-36	Clutch Ring	
25	L4-88	Reduction Unit Adapter (Current)	1	82	71-46	Forward Clutch Pinton	
	L4-3	Reduction Unit Adapter (Early)	1	83	5M-122	Seeling Ring	
26	8111AG	Beering	1	84	71-70	Forward Clutch Cylinder	
27	103321	3/8 Lockweeher	6	85	71-158	Thrust Washer	Ì
28	179840	3/8-15 X 1-1/8 Hex Heed Bolt	6	85	B107A	Bearing	Į
29	4786	Snap Ring	1 1	87	4734	Snap Ring	
30	L4-145	Adapter Gasket, Front	l i	88	R6A-71/2	Scop Ring	į
31	179793	1/4-20 X 5/8 Hex Head Bolt	3	89	4822	Ring Geer Snep Ring	
	102319	1/4 Lockweeher	3	90	72-A668	Reverse Clutch Plate Amembly	
33	71-4	Valve Cover		92	71-71	Reverse Clutch Pressure Plate	
34	71-14	Valve Cover Gaskat	1:	93	71-35	Reverse Clutch Piston	1
36	4621	Sand Ring		94	4805A	Seeing Ring	
38			1 .	95	48400	Needle Bearing	
	71-246	Valve Spring Retainer		-			
37	71-242	Valve Spring	11	96	4804G	Seeling Ring	
36	71-243	Pressure Regulator Valve	11	97	71-1448	Case & Adepter Galkat	
39	71-244A	Forward & Reverse Gear Transmission Valve	11	98	444858	1/4 Pipe Plug	
N.I	71-A244A	Valve & Spring Assembly (Items 36 thru 39)	11	\$	71C-8	Forward & Revenie Adapter	
40	4804H	"O" Ring	11	100	4911	3/8-16 X 1-1/4 Cap Screw	
41	10-00-191-002	3/818 Plantic Shipping Plug	1 1	N.I.	71C-A60	Pump Assembly	
42	A4740G	Breather Assembly	1	101	Not Serviced	Pump Drive Geer (Order Pump Assembly)	
43	444856	3/8-18 Pipe Plug	1	102	Not Serviced	Pump Driven Gear (Order Pump Astembly)	
44	444687	1/8-27 Dryseel Plug	1 1	103	3-61	Pump Gaiket	
45	71-1A196	Diostick Assembly	1	104	Not Serviced	Pump Housing (Order Pump Assembly)	
46	71-42	Poppet Spring	1	105	71C-62A	Oil Seel Assembly	
47	453632	5/18 Steel Ball	1 1	106	179822	5/16-18 X 1-1/2 Hex Head Bolt	
48	71-798	Forward & Reverse Shift Lever	1 1	1			
49	115729	5/16-24 Hex Nut					
50	108579	5/16 Lockweiher		1			
51	103340	Control Lever Washer		. 1			
52	10-00-191-007	3/8-18 Plantic Shipping Plug					
53	48858	Bushing					
54	71C-84	Oli Return Tube					1
55	71C-A98A		1	I			ł
~ 1	100000	Oil Strainer Assembly	11	Į			

N.I. - NOT ILLUSTRAT

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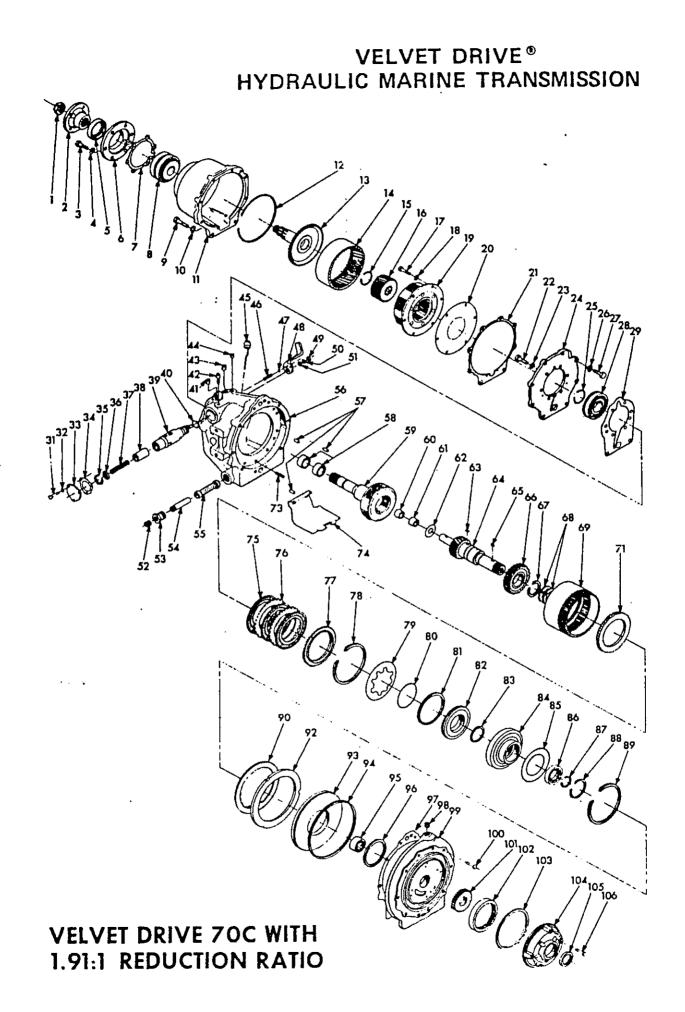
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AS7-70C 1.91:1 PARTS LIST

EX	w. a.	DESCRIPTION	NO.	INDEX	W. Q. PART NO.	DESCRIPTION	NO. REO.
ж о.	PART NO.		1	57	71-87A	Dowel Pin	3
1	4776L	Mein Shaft Nut	;	57 58	Kit A4867VV	Presized Case Bushing (Two in Kit)	1 1
1	45478A	Coupling	6		71-1A2C	Pinion Cage & Output Shaft Assembly	
3	179660	7/16-14 X 1-1/4 Hex Heed Bolt	6	59	71-1020	Presized 71-98 Main	1
4	103322	7/18 Lockwesher		60		Drive Geer Bushing	1
- F - [710-110	Oli See		61	Kit A4867DD	Presized 71-9C Main	1
- 1	L4-7	Bearing Retainer		1 01		Drive Geer Bushing	i
1	L4-147	Baaring Retainer Gasket				Thrust Washer	1
8	4920A	Bearing	2		71-17 218211	Woodruff Key	
1	179664	7/16-14 X 1-3/4 Hex Heed Bolt		63		Drive Geer & Plug Amembly (26 Spline)	
- 1	103322	7/16 Lockweiher	_	84	71C-A16	Woodruff Key	
14	L5-1A	Reduction Housing (Current)	11	65	4873	Forward Clutch Hub	
	LS-1	Reduction Housing (Early)	11	66	71-40		
1	47560	Snep Bing	1	67	4495	Snep Ring	
1	L9-2	Reduction Unit Main Sheft	1.	66	4906J	Seeing Ring	
14	13-6	Ring Geer	11	60	70-6	Ring Geer	
15	4734	Snap Ring	1	71	5L-67	Clutch Pressure Plate	12
1	L7-104	Sun Geer	1	73	71-97	Pressure Plate Spring	17
7	48538	5/18-18 X 3/4 Lock Bolt	6	74	71-140	Baffie	3
id j	114805	5/16 Lockweiher	6	75	5C-A66A	Clutch Inner Plate Assembly	2
19	L9-A150	Pinion Cage Assembly	1	76	3-176	Clutch Plate	
•	99،ق	Lube Oli Strainer	11	77	5C-175A	Clutch Pressure Plats	
1	L4-148	Adapter Gesket, Reer	1.1	78	4765	Clutch Spring Snap Ring	
12	48530	7/16-14 X 1 Lock Bolt	6	79	3-37	Clutch Spring	
23	114607	7/16 Lockwesher	6	90	50-33	Clutch Spring Beering Ring	11
1	L9-8A	Reduction Unit Adapter (Current)	1	81	5L-36	Clutch Ring	11
	8-2	Reduction Unit Adapter (Early)	1	82	71-45	Forward Clutch Piston	
4	4816	Snap Ring	1	83	5M-122	Seeling Ring	11
26	103321	3/8 Lockweber	8	84	71-70	Forward Clutch Cylinder	
1	179640	3/8-16 X 1-1/8 Hex Heed Bolt	6	85	71-158	Thrust Washer	11
ġ.	B308AGS	Annular Beering	1	36	B107A	Bearing	1
2	L4-146	Adapter Gasket, Front	1 1	87	4734	Snep Ring	1.
31	179793	1/4-20 X 5/8 Hex Head Bolt	3	88	R6A-71/2	Snep Ring	1
2	103319	1/4 Lockweeher	3	89	4822	Ring Geer Snep Ring	1
3	71-4	Velve Cover	1 1	90	72-A668	Reverse Clutch Plate Assembly	1
يد. بەر	7714	Valve Cover Gasket	1 1	92	71-71	Revenue Clutch Pressure Plate	1
35	4821	Snep Ring	1 1	93	71-35	Revenue Clutch Piston	1
30	71-245	Valve Spring Retainer	1	94	4805A	Seeling Ring	1
7	71-242	Valve Spring		96	48400	Needle Bearing	1
	71-243	Pressure Regulator Velve		96	4804G	Sealing Ring	1
8 ~~~	71-244	Forward & Reverse Geer Transmission Valve	1	97	71-1448	Case & Adapter Gasket	1
39		Valve & Spring Assembly (items 35 thru 40)		96	444858	1/4 Pipe Piug	1
1.	71-42444			99	71C-8	Forward & Reverse Adapter	1
0	4804H	"O" Ring		100	4911	3/8-16 X 1-1/4 Cap Screw	4
1	10-00-191-002	3/8-18 Plantic Shipping Plug		1	710-460	Pump Assembly	1 1
42	A4740G	Breather Assembly		N.L.	1	Pump Drive Gear (Order Pump Assembly)	
з	444586	3/8-18 Pipe Plug		101	Not Serviced	Pump Driven Geer (Order Pump Amembly)	1
4	444687	1/8-27 Drysoni Plug	11	102	Not Serviced		
-5	71-1A195	Dipetick Assembly		103	3-61	Pump Gesket	
46	71-42	Poppet Spring		104	Not Serviced	Pump Housing (Order Pump Assembly)	
7	453632	5/16 Steel Bail	11	105	71C-62A	Oil Seel Assembly 5/16-18 X 1-1/2 Hex Head Bolt	
8	71-798	Forward & Reverse Shift Lever	1	106	179822		1
	115729	5/16-24 Hex Nut	1		}	1	1
50	106579	5/18 Lockweiher	1	1	1		Ì
1	103340	Control Lever Washer	11		1	1	Į
2	10-00-191-002	3/8-18 Plantic Shipping Plug	T	1	ł	1	
-3	4885B	Bushing	1		1	1	
54	71C-84	Oil Return Tube	11		1		
~5	71C-A98A	Oil Strainer Assembly	1	1	1	1	
	71-1L	Transmission Case with Bushings	1 1		J		

N.I. - NOT ILLUSTRATED

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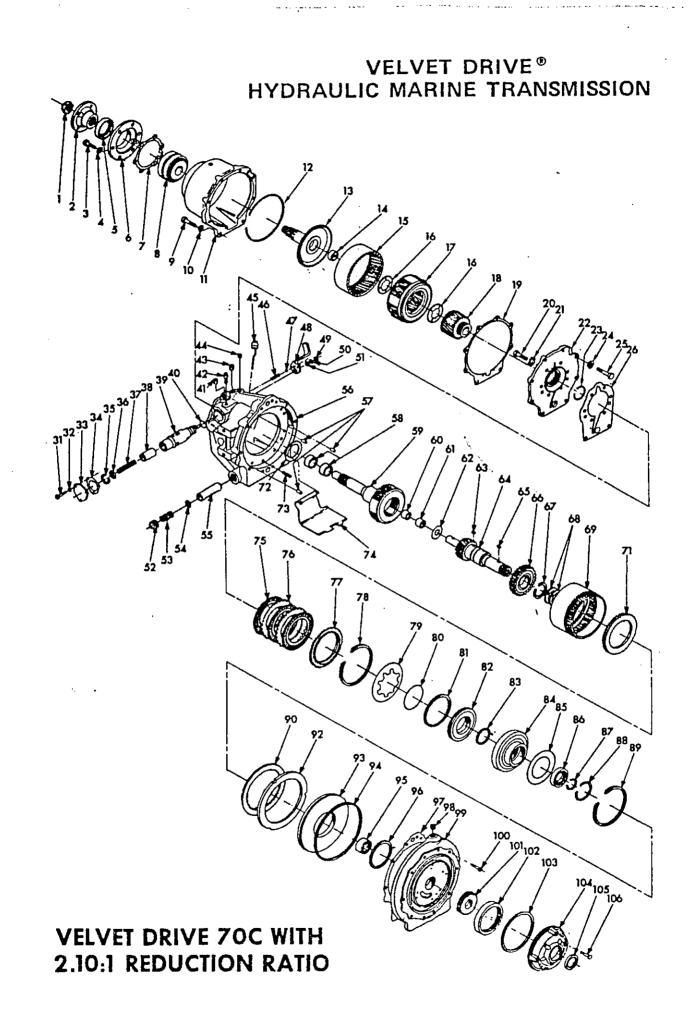
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AS3-70C 2.10:1 PARTS LIST

NDEX	W. G. PART NO.	DESCRIPTION	NO. REQ.	INDEX NO.	W, G. PART NO.	DESCRIPTION
1	4775	Mein Sheft Nut	1	59	71-1A28	Pinion Cage & Output Shaft Amembly
2	4647BA	Coupling	1	60		Presized 71-88 Main
3	179860	7/16-14 X 1-1/4 Hex Head Bolt	6		Kit A4857DD	Drive Geer Bushing One of Each Bushing in Kit
4	103322	7/16 Lockwesher	6	81	KII 2400/00	Presized 71-9C Mein
5	710-110	Qil Seal	1			Drive Geer Bushing
8	L47	Bearing Retainer	1 1	62	71-17	Thrust Washer
7	L4-147	Beering Retainer Gasket	1	63	218211	Woodruff Key
8	4920A	Beering	T	64	71C-A15	Drive Geer & Plug Assembly (26 Spline)
2	179664	7/16-14 X 1-3/4 Hex Head Bolt	2	66	4873	Woodruff Key
-	103322	7/16 Lockwester	2	66	71-40	Forward Clutch Hub
10		Reduction Housing (Current)	1 1	67	4495	Snep Ring
1	L5-18	Reduction Housing (Early)	1.	68	4806J	Sealing Ring
	L5-1			69	70-6	Ring Geer
2	4756D	Ring Geer Shep Ring	11	71	5L-67	Clutch Pressure Plate
13	L5-A2	Reduction Unit Main Shaft & Bushing	1	72	71-159	Thrust Washer
14	Kit A4867DD	Bushing (71-98 Presized for Service)	1	73	71-97	Pressure Plate Spring
15	1.3-6	Ring Geer	2		71-140	Baffle
6	L3-24	Thrust Washer	-	74		Clutch Inner Plate Assembly
17	L5-1A150	Planetary Geers & Cage Ass'y For CR Units)	1	75	5C-A66A	Clutch Plate
	L5A-1A150	Planetary Geers & Cage Ass'y (For C Units)	1	76	3-176	Clutch Preseure Plate
8	LS-4	Sun Geer	1	77	5C-175A	
9	L4-146	Adapter Gasket, Beer	1	78	4755	Clutch Spring Snap Ring
ю	48530	Lock Bolt	6	79	3-37	Clutch Spring
1	114607	7/16 Lockwesher	6	80	5C-33	Clutch Spring Beering Ring
2	L5-8A	Reduction Unit Adapter (Current)	1	81	5136	Clutch Ring
	L5-8	Reduction Unit Adapter (Early, without track)	1	82	71-45	Forward Clutch Piston
23	4768A	Snep Ring	1	83	5M-122	Sealing Ring
24	103321	3/8 Lockweiher	6	84	71-70	Forward Clutch Cylinder
25	179640	3/8-15 X 1-1/8 Hex Head Bolt	6	85	71-158	Thrust Washer
26	L4-145	Reduction Unit Adapter Gesket, Front	1	' B6	B107A	Beering
31	179793	1/4-20 X 5/8 Hex Head Boit	3	87	4734	Snep Ring
32	103319	1/4 Lockwather	3	88	R6A-71/2	Snap Ring
33	71-4	Valve Cover	1	89	4822	Ring Geer Snep Ring
54	71-14	Valve Cover Gasket	1	90	72-A668	Reverse Clutch Plate Assembly
35	4821	Snep Ring	1 1	92	71-71	Reverse Clutch Pressure Plate
36	71-246	Valve Spring Retainer	1	93	71-35	Reverse Clutch Piston
	71-240	Valve Spring	1	94	4805A	Seeing Ring
37 20	•	Pressure Regulator Valve		95	48400 .	Needle Bearing
38	71-243	Forward & Revenue Gear Transmission Valve		96	4804G	Sealing Ring
39	71-244A			97	71-1448	Case & Adapter Gesket
	71-A244A	Valve & Spring Assembly (Items 35 thru 39)		98	444858	1/4 Pipe Plug
40	4804H	"O" Ring 201 19 Rumin Shinging Plus		99	71C-8	Forward & Reverse Adapter
41	10-00-191-002	3/8-18 Plantic Shipping Plug		100	4911	3/816 X 11/4 Cap Screw
42	A4740G	Breather Astembly			71C-A60	Pump Assembly
43	444866	3/8—18 Pipe Plug		N.I.	1	Pump Drive Gear (Order Pump Assembly)
44	444687	1/8-27 Dryseel Plug		101	Not Serviced	Pump Drive Gear (Order Pump Astembly)
45	71-1A195	Dipatick Assembly		102	Not Serviced	Pump Gesket
48	71-42	Poppet Spring	1 !	103	3-61 Net Sequent	Pump Gasket Pump Housing (Order Pump Assembly)
47	453632	5/16 Steel Ball		104	Not Serviced	Oil Seal Assembly
48	71-798	Forward & Reverse Shift Lever		105	71C-62A	5/16-18 X 1-1/2 Hex Head Bolt
49	115729	5/16-24 Hex Nut		106	179822	STUTION STUE NEW HER DUIL
60	108579	5/16 Lockweiher		1	1	
51	103340	Control Lever Washer		1	1	
52	444592	3/4 Pipe Plug	1	1	1	
53	51-222	Spring	1	1	1	
54	35-143	Flat Washer	1	ł	1	
55	72C-98	Oil Inlet Shield	11	1		1
56	71-A1L	Transmission Case with Bushings	1	1		1
57	71-87A	Dowel Pin	3		1	1

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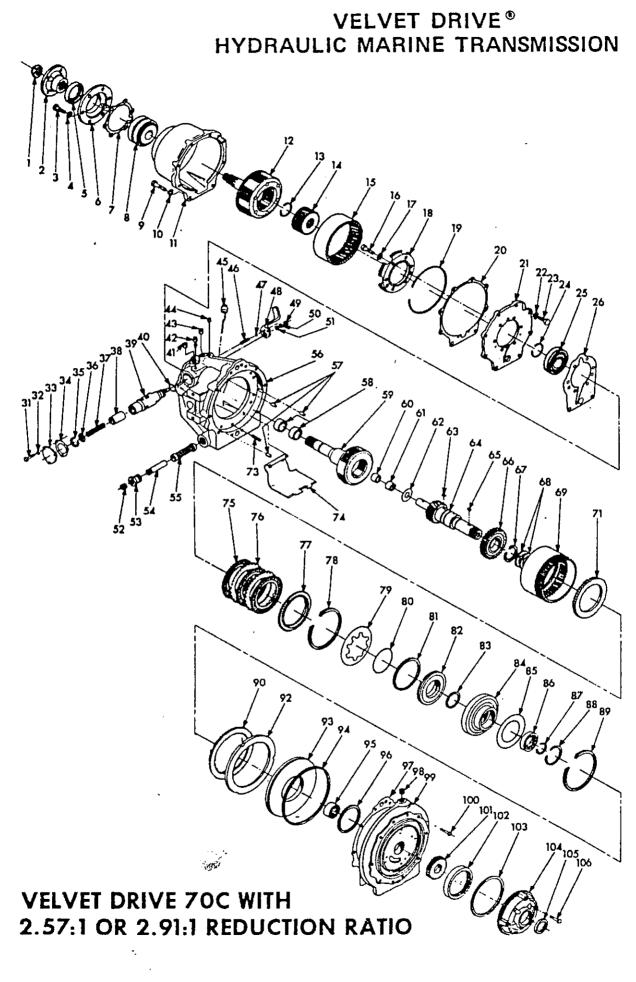
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VELVET DRIVE 70C WITH 2.57:1 OR 2.91:1 PARTS LIST

INDEX NO.	W. Q. PART NO.	DESCRIPTION	NO, REQ.	INDEX NO,	W, Q, PART NO.	DESCRIPTION	NC 31
1	47750-	Mein Sheft Nut 1000 - 149-012	1	56	71C-A98A	Oil Strainer Assembly	T
2	4912	Coupling 034	1	56	71-A1L	Transmission Case with Bushings	1 1
	179660	7/15-14 X 1-1/4 Hex Heed Bolt	8	57	71-87A	Dowel Pla	1 3
Ă I	103322	7/16 Lockweiher	8	58	Kit A4867√V	Presized Case Bushing (Two in Kit)	
5	710-110	Oil Seel	11	59	71-1A2C	Pinion Cage & Output Shaft Amembly	
6	L4-7	Bearing Retainer	1 1	60		Presized Bushing)	
7	L4-147	Seering Retainer Gasket	1	61	Kh A4867DD	Presized Bushing) One of Each in Kit	11
	4920	Bearing	1.1	62	71-17	Thrust Washer	
9	179664	7/18-14 X 1-3/4 Hex Head Bolt	2	63	218211	Woodruff Key	
10	103322	7/16 Lockweeher	2	64	71C-A16	Drive Gear & Flug Astembly (25 Spilne)	1
11	L7-1A	Reduction Housing (Current)	1	65	4873	Woodruff Key	1
	1.7-1	Reduction Housing (Early)	1	66	71-40	Forward Clutch Hub	
12	16-A2D	Pinion Cage & Driven Shaft Ast'y (2.57:1 Only)	1	67	4495	Snep Ring	
	L7-A20	Pinion Cage & Driven Shaft Asr'y (2,91:1 Only)	1	68	4806J	Sealing Ring	
13	4734	Snap Ring	1	60	70-6	Ring Geer	1
14	L6-104	Sun Geer (2.57:1 Only)	1	71	5167	Clutch Pressure Plate	
	L7-104	Sun Geer (2.91:1 Only)	1	73	71-97	Pressure Plate Spring	1
15	L6-6	Ring Geer (2.57:1 Only)	1	74	71-140	Baffle	
	L3-6	Ring Geer (2.91:1 Only)	1	76	5C-A66A	Clutch Inner Plate Assembly	
16	4853E	Lock Bolt	8	76	3-176	Clutch Plate	
17	114607	7/16 Lockwesher	6	777	5C-175A	Clutch Pressure Plate	
18	L6-31	Stationery Geer Plate (2.57:1 Only)	1	78	4755	Clutch Spring Snep Ring	
	L7-31	Stationary Geer Plate (2.91:1 Only)	1	79	3-37	Clutch Spring	
19	4756E	Snep Ring (2.57:1 Only)	1	80	50-33	Clutch Spring Bearing Ring	
	47560	Snap Ring (2.91:1 Only)	1	81	5L-36	Clutch Ring	
20	L4-145	Adepter Gasket, Rear	1	82	71-45	Forward Clutch Pixton	
21	L7-8A	Reduction Unit Adapter (Current)	1	83	5M-122	Seeing Ring	
	L7-8	Reduction Unit Adepter (Early)	1	84	71-70	Forward Clutch Cylinder	į
22	103321	3/8 Lockwesher	8	85	71-158	Thrust Washer	
23	179840	3/8-16 X 1-1/8 Hex Heed Bolt	8	86	8107A	Searing	1
24	4816	Snep Ring	1	87	4734	Snap Ring	
25	B308AGS	Bearing	1	88	R6A-71/2	Snep Ring	
26	L4-145	Adapter Gesket, Front	1 1	89	4822	Ring Geer Snep Ring	
31	179793	1/4-20 X 5/8 Hex Head Bolt	3	90	72-A868	Revene Clutch Plate Assembly	
32	103319	1/4 Lockweiher	3	92	71-71	Revene Clutch Pressure Plate	
33	71-4	Valve Cover	1	93	71-35	Reverse Clutch Pixton	
34	71-14	Valve Cover Gasket	1	94	4805A	Seeling Bing	1
36	4821	Snep Ring	11	95	48400	Needle Beering	
36	71-246	Valve Spring Retainer	1	96	4804G	Sealing Ring	1
37	71-242	Valve Spring	1	97	71-1448	Case & Adepter Gesket	ł
36	71-243	Pressure Regulator Valve	1	96	444858	1/4 Pipe Plug	Î
39	71-244A	Forward & Reverse Geer Transmission Valve	1	99	71C-8	Forward & Revena Adapter	
N.I.	71-A244A	Valve & Spring Assembly (Items 35 thru 39)	1	100	4911	3/8-16 X 1-1/4 Cap Screw	
40	4804H	"O" Ring	1	N.I.	71C-A60	Pump Assembly	
41	10-00-191-002	3/8—18 Planic Shipping Plug	1	101	Not Serviced	Pump Drive Geer (Order Pump Assembly)	
42	A4740G	Breather Assembly	1	102	Not Serviced	Pump Driven Gear (Order Pump Assembly)	
43	444866	3/8-18 Pipe Plug	1 1	103	3-61	Pump Gasket	
44	444587	1/8-27 Dryseel Plug	1	104	Not Serviced	Pump Housing (Order Pump Assembly)	
45	71-1A195	Dipetick Amembly	1	105	71C-62A	Oll Seel Assembly	ļ
46	71-42	Poppet Spring	1	106	179822	5/16-18 X 1-1/2 Hex Heed Bolt	
47	453632	5/16 Steel Bail	1				1
48	71-798	Forward & Reverse Shift Lever	1 1	1			
49	115729	5/16-24 Hex Nut	1	I			I
50	108579	5/16 Lockwesher	1	1 I			1.
51	103340	Control Lever Washer	1	<u>}</u>	· · ·	· ·	
52	10-00-191-002	3/8-18 Piastic Shipping Plug	1				
53	48858	Bushing	1	1			1
	71C-84	Oil Return Tube		1			í

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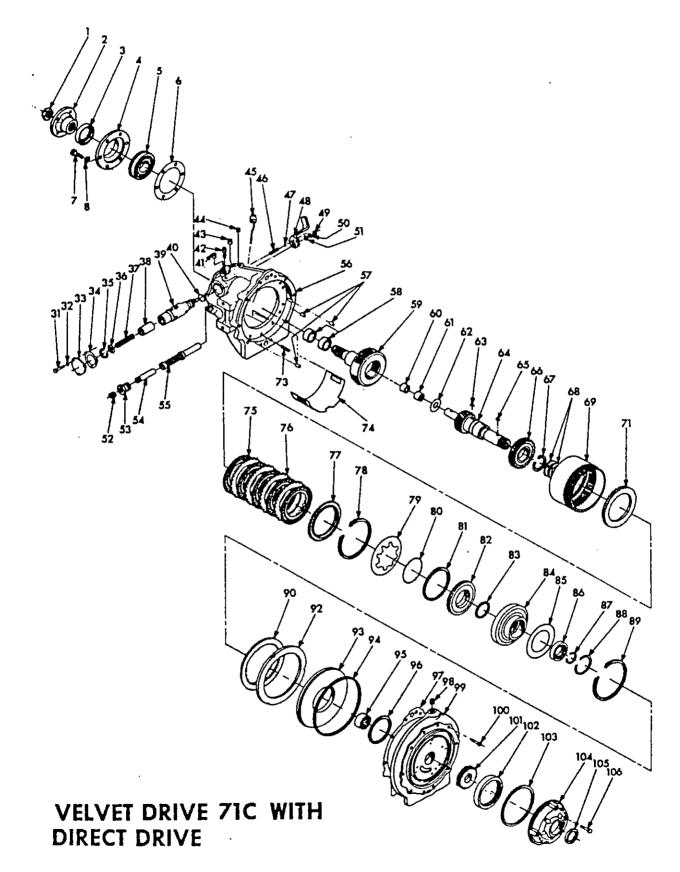


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VELVET DRIVE® HYDRAULIC MARINE TRANSMISSION



FORM 1072 2/71

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AS1-71C DIRECT DRIVE PARTS LIST

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INDEX	W. G.	······································	NO.	INDEX	W. a.		NO.
NO.	PART NO.	DESCRIPTION	REG.	NO.	PART NO.	DESCRIPTION	REQ.
1	4745L	Mein Sheft Nut	1	81	51.36	Clutch Ring	
, 2	45478A	Coupling	1	82	71-45	Forward Clutch Piston	
3	71C-110	Oil Seet	1	83	5M-122	Sealing Ring ("O" Ring)	
4	71-7	Bearing Retainer	1	84	71-70	Forward Clutch Cylinder	
5	B308AGS	Annular Bearing	1	85	71-158	Thrust Wesher	
. 6	71-147	Beering Retainer Gasket	1	86	B107A	Beering	
7	179859	7/16-14 X 1-1/8 Hex Head Bolt	6	87	4734	Snap Ring	
8	103322	7/16 Lockwesher	6	88	R6A-7-1/2	Snap Ring	111
rt –	179793	1/4-20 X 5/8 Hex Head Nut	3	89	4822	Ring Geer Snep Ring	
.	103319	1/4 Lockweiher	3	90 -	72-4668	Reverse Clutch Plate Assembly	
33	71-4	Valve Cover	1	92	71-71	Reverse Clutch Pressure Plate	1 1
4	71-14	Valve Cover Gasket	1	93	71-36	Revenue Clutch Fiston	1 1
<i>i</i> .	71-A244A	Valve & Spring Assembly (Items 36,36,37,38, & 39)	1	94	4805A	Seeing Ring	1 1
مر	4821	Scap Ring	1	95	48400	Needle Bearing	1 1
36	71-248	Valve Spring Retainer	1	96	4804G	Seeing Bing	1 1
ंग्र	71-242	Valve Spring	1	97	71-1448	Case & Adapter Gasket	11
6	71-243	Pressure Regulator Valve	5	96	444858	1/4 Pipe Piugs	1
.	71-244A	Forward & Reverse Gear Transmission Valve	1	99	71C-8	Forward & Reverse Adapter	1
40	4804H	"O" Ring	1	100	4911	3/8-16 X 1-1/4 Cap Screw	1
- 11	10-00-191-002	3/8-18 Plantic Plug	1	N.I.	71C-A60	Pump Assembly (Includes 101,102,104, & 106)	1
2	A4740G	Breather Assembly	1	101	Not Serviced	Pump Drive Geer (Order Assembly)	
.3	444866	3/8—18 Pipe Plug	2	102	Not Serviced	Pump Driven Geer (Order Assembly)	1
- 44	444687	1/8—27 Pipe Plug	1	103	3-61	Pump Gasket	
'5	71-1A195	Dipatick Assembly		104	Not Serviced	Pump Housing (Order Assembly)	
6	71-42	Poppet Spring	1	105	71C-62A	Oil Seal Amembly	111
.7	453632	5/16 Steel Bell		106	179822	5/16-18 X 1-1/2 Hex Head Bolt	1'1
48	71-798	Forward & Reverse Shift Lever	1				
2	115729	5/16-24 Hex Nut	1				1 1
	103340	5/16 Lockwesher Control Lever Washer	1				1
	10-00-191-002	3/8-18 Plastic Plug	1				
3	4885B	Sushing	,				1 1
4	710-84	Oil Return Tube	3				
_5	710-498	Oil Strainer Amendly	1				
56	718-A1A	Transmission Case					
7	71-87A	Dowel Fin	3				
8	Kit A4857VV	Case Bushings (Two Presized Bushings in Kit)	1				
_0	71-1A2	Pinion Cage & Output Shaft Assembly	1				
60		Main Drive Geer Bushing (71-88 Presized)					
	Kit A48670D	ONE OF EACH IN KIT	1			· ·	1
1		Mela Drive Geer Bushing (71-9C Presized)		1]		1
.2	71-17	Thrust Washer	1	l I			
63	218211	Woodruff Key	1	Į			
-4	71C-A16	Drive Geer & Plug Assembly	1	l			
5	4873	Woodruff Key	1	ł			
٦.	71-40	Forward Clutch Hub	1	ł	1		
67	4495	Snap Ring	1	ł			
8	4806J	Seeling Ring	2	I			1
9	71-6	Ring Geer	1				1
1	5L-67	Clutch Pressure Plate	1				
73	71-97	Pressure Plate Spring	12				
` 4	718-140	Baffie Clubb have the Associate	1				
5	5C-A66A	Clutch Inner Plate Assembly	5				1
.5	3-176	Clutch Plate (Steel)					
77	5C-175A 4755	Clutch Pressure Plete	1	1	1		
3	4755 3-37	Clutch Spring Snap Ring	1		{		
	5C-33	Clutch Spring Clutch Spring Regime Rise	1				
		Clutch Spring Bearing Ring	'				

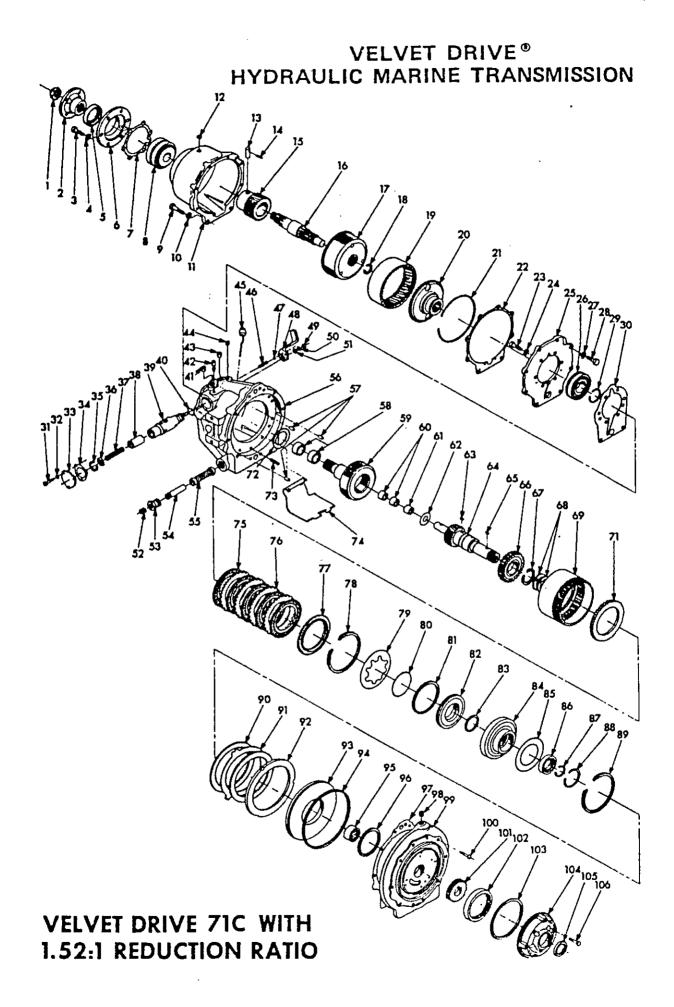
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AS2-71C 1.52:1 PARTS LIST

INDEX	w. a.		NO.	INDEX	W, Q.		NO.
NO.	PART NO.	DESCRIPTION	REG	HO.	PART NO.	DESCRIPTION	ARO
1	4775L	Main Sheft Nut	1	56	71-A1K	Transmission Case with Bushings	1
2	45478A	Coupling	1	57	R6-177	Dowel Pin	3
3	179660	7/18-14 X 1-1/4 Hex Head Bolt	6	58	KH A4867VV	Presized Case Bushing [Two in Kit]	1
-	103322	7/16 Lockweiher	6	59	71-1A2A	Pinion Cage & Output Shaft Assembly	
5	710-110	Oit See	1	60		Rendred Rushing)	
6	L4-7	Beering Retainer	1 1	61	Kit A4867DD	Presized Bushing) One of Each in Kit	2
7	L4-147	Beering Retainer Gasket	1	62	71-17	Thrust Washer	11
8	4920A	Bearing	1 1	63	218211	Woodruff Key	
9	179664	7/16-14 X 1-3/4 Hex Head Bolt	2	64	71C-A16	Drive Geer & Plug Amembly (26 Spline)	
10	103322	7/16 Lockwasher	2	65	4873	Woodruff Key	
11	L4-1A	Reduction Housing (Current)	1	66	71-40	Forward Clutch Hub	1
	L4-1	Reduction Housing (Early)	1	67	4495	Snep Ring	
12	103691	Expension Plug	1	68	4806J	Seeling Ring	2
13	L4161	Pinion Cage Drive Pin	1	69	71-6	Ring Geer	1
14	4806	Spring Pin	1	71	5L-67	Clutch Pressure Plate	
16	L4-4	Sun Geer	1	72	71-169	Thrust Washer	1.
16	L4-2	Main Shaft	1	73	71-97	Pressure Plate Spring	12
17	L4-A150	Pinion Cage Assembly	1 1	74	71-140	Baffle	1
18	4734	Snep Ring	1	75	5C-A66A	Clutch Inner Plate Assembly	5
19	L3-6	Ring Geer	1 1	76	3-176	Clutch Plate	A A
20	L4-16	Input Geer	1 1	77	5C-175A	Clutch Pressure Plate	1
21	47560	Snep Ring	1 1	78	4755	Clutch Spring Snep Ring	1 1
22	L4-148	Adapter Gasket, Rear	1	79	3-37	Clutch Spring	1
23	48530	7/16-14 X 1 Lock Bolt	6	80	50-33	Clutch Spring Beering Ring	11
24	114607	7/15 Lockwesher	6	81	5L-36	Clutch Ring	l i
25	L4-88	Reduction Unit Adapter (Current)	1	82	71-45	Forward Clutch Piston	11
	L4-8	Reduction Unit Adapter (Early)	1	83	5M-122	Seeling Ring	1
26	8111AG	Beering	1 1	84	71-70	Forward Clutch Cylinder	1
27	103321	3/8 Lockwasher	5	86	71-158	Thrust Wesher	1
28	179840	3/8-16 X 1-1/8 Hex Heed Bolt	6	86	9107A	Beering	1
29	4766	Snap Ring	1	87	4734	Soup Ring	1
- 30	L4-145	Adapter Gasket, Front	1	88	R6A-71/2	Snep Blog	1
31	179793	1/4-20 X 5/8 Hex Heed Bolt	3	89	4822	Ring Geer Snep Bing	1
32	103319	1/4 Lockwesher	3	90	72-A668	Reverse Clutch Plate Assembly	2
33	71-4	Valve Cover	1	91	72-176	Outer Clutch Plate	1
34	71-14	Valve Cover Gasket	1	92	71-71	Reverse Clutch Pressure Plate	1
36	4821	Snap Ring	1 1	93	71-35	Revenue Clutch Pixton	11
36	71-245	Valve Spring Retainer	1 1	94	4805A	Sealing Ring	1
37	71-242	Velve Spring	1	95	48400	Needle Bearing	1
38	71-243	Pressure Regulator Valva	1	96	4804G	Sealing Ring	1
39	71-244A	Forward & Reverse Geer Transmission Valve	1	97	71-1448	Case & Adapter Gesket	1
<i>i</i> .i.	71-A244A	Valve & Spring Assembly (Items 35 thru 39)	1	98	444858	1/4 Pipe Plug	1
40	4804H	"O" Ring	1	99	710-8	Forward & Reverse Adapter	1
41	10-00-191-002	3/8-18 Plantic Shipping Plug	1	100	4911	3/8-16 X 1-1/4 Cap Screw	4
42	A4740G	Breather Assembly	1 1	N.L.	71C-A60	Pump Assembly	1 1
43	444866	3/8-18 Pipe Plug	1 1	101	Not Serviced	Pump Drive Gear (Order Pump Assembly)	1 1
-44	444587	1/8-27 Dryseet Plug	1	102	Not Serviced	Pump Driven Geer (Order Pump Assembly)	1
45	71-1A 195	Dipstick Assembly	1	103	3-61	Pump Gasket	1
46	71-42	Poppet Spring	1 1	104	Not Serviced	Pump Housing (Order Pump Assembly)	11
47	453632	5/16 Steel Ball	1	105	71C-62A	Oil Seal Assembly	11.
48	71-798	Forward & Reverse Shift Lever	1	106	179822	5/16-18 X 1-1/2 Hex Heed Bolt	4
49	115729	5/16-24 Hex Nut	1	•			
60	108579	5/16 Lockwesher	1 1				1
51	103340	Control Lever Washer	1			· ·	
52	10-00-191-002	3/8-18 Plastic Shipping Plug	1				
53	48856	Bushing	1 1				
54	71C-84	Oil Return Tube	1				1
55	71C-A98A	Oil Strainer Assembly	1 1		1		- i

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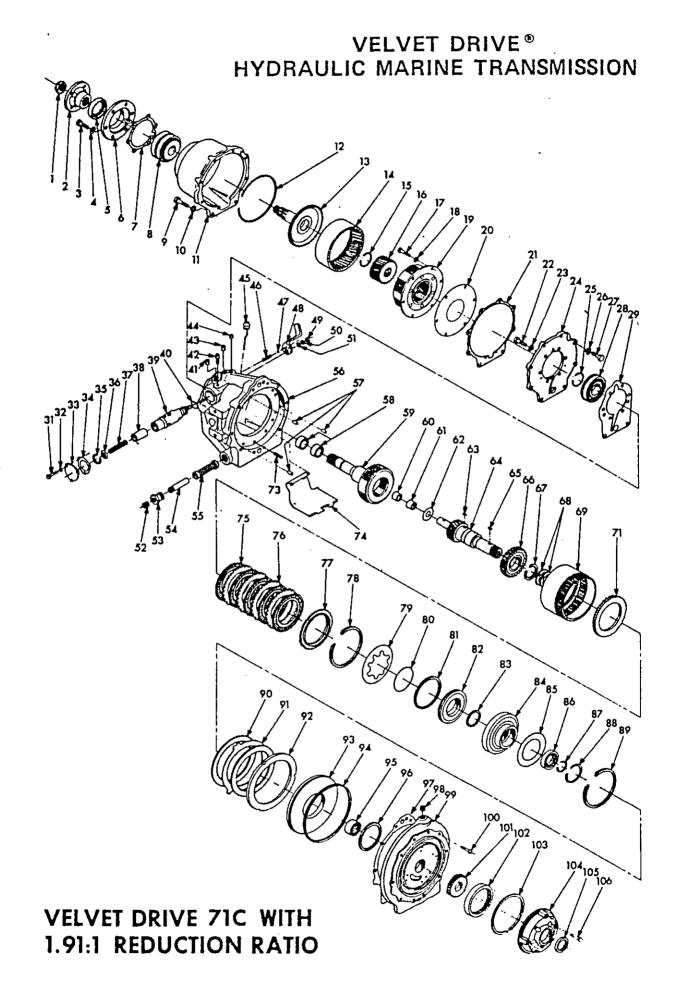
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AS7-71C 1.91:1 PARTS LIST

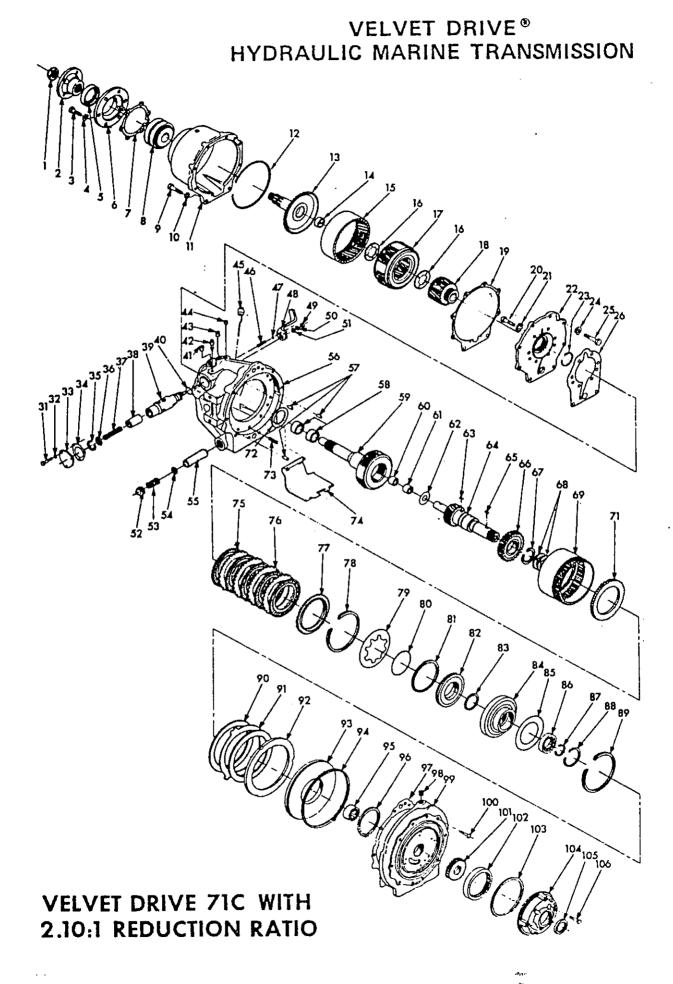
INDEX	W. G. PART NO.	DESCRIPTION	NO.	INDEX NO.	W. Q. PART NO.	DESCRIPTION	NO.
1	4775L	Main Sheft Nut		57	86-177	Dowel Pin	3
2	45478A	Coupling		58	Kh A4867VV	Presized Case Bushing (Two in Kit)	
3 .	179880	7/16-14 X 1-1/4 Hex Head Bolt	6	59	71-1A2C	Pinion Cape & Output Sheft Amenbly	
4	103322	7/18 Lockwester	6	80	1000	Presized 71-08 Main	1.
5	710-110	Oli Seel				Drive Geer Bushing	
6	L47	Beering Partsiner		61	Kit A4867DD	Presized 71-9C Mein	1
7	14-147	Bearing Retainer Gesket					1
-	4920A	-		~		Drive Geer Bushing / Thrust Washer	
9	179864	Beering 7/16-14 X 1-3/4 Hex Hend Boit		67	71-17		11
10	103322	7/16 Lockweiter	2	63 '	218211	Woodruff Kay	11
11	LS-1A	Reduction Housing (Current)		64 65	71C-A16 4873	Drive Geer & Ptug Assembly (26 Soline) Woodruff Key	11
••	US-1A US-1	Reduction Housing (Early)		66	4673 71-40	Forward Clutch Hub	
12	47560	Snep Ring			4495	Shed Ring	
13	47560 L9-2	And hing Reduction Unit Mein Sheft		67			
13	13-8	Ring Ger		68	4806J	Seeing Ring	2
		-		- 69	71-8	Ring Geer	11
15	4734	Snep Aing	11	71	5L-67	Clutch Pressure Plate	1
16	17-104	Sun Geer		73	71-97	Pressure Plate Spring	12
17	48538	5/18-18 X 3/4 Lock Bolt	6	74	71-140	Baffle	Î
18	114805 L9-A150	5/15 Lockweeter	6	76	5C-A56A	Clutch Inner Plate Assembly	6
18		Pinion Cage Assembly		76	3-176	Clutch Plate	14
8	L9-09	Lube Oil Strainer		77	5C-175A	Clutch Pressure Plate	11
21	L4-148	Adapter Gasket, Rear		78	4755	Clutch Spring Snap Ring	1
22	48530	7/16-14 X 1 Lock Bolt	6	79	3-37	Ciutch Spring	11
n	114607	7/16 Lockweiher	6	80	50-33	Clutch Spring Beering Ring	1
14	LOBA	Reduction Unit Adepter (Current)	1 1	81	5L-36	Clutch Ring	1 1
	L9-8	 Reduction Unit Adapter (Early) 	1	82	71-45	Forward Clutch Piston	1 1
25	4816	Snep Ring	1	83	5M-122	Sealing Ring	1
16	103321	3/8 Lockwasher	6	B4	71-70	Forward Clutch Cylinder	1 1
77	179640	3/8-16 X 1-1/8 Hex Head Bolt	6	85	71-158	Thrust Washer	1
28	B308AGS	Annular Bearing	1	86	8107A	Beering	1 1
29	L4-146	Adepter Gasket, Front	1	87	4734	Snep Ring	1
и	179793	1/4-20 X 5/8 Hex Head Bolt	3	88	R6A-71/2	Soup Ring	1 1
12	103319	1/4 Lockwasher	3	89	4822	Ring Geer Snep Ring	1
33	71-4	Valve Cover	1	90	72-A668	Revene Clutch Plate Astembly	1 2
34	71-14	Valve Cover Gasket	-1	91	72-176	Outer Clutch Plate	1
ĸ	4821	Snep Ring	1 1	92	71-71	Revene Clutch Pressure Plate	
36	71-246	Valve Spring Retainer	1	93	71-35	Reverse Clutch Piston	
37	71-242	Valve Spring	1 1	94	4805A	Sealing Bing	1 i
38	71-243	Pressure Regulator Valve	1 1	95	48400	Needle Searing.	1.
39	71-244A	Forward & Reverse Gear Transmission Valve		96	4804G	Sealing Ring	
J.	71-A244A	Valse & Spring Assembly (Items 35 thru 40)		97	71-1448	Case & Adapter Gasket	
40	4804H	"O" Ring		98	444858		
41	10-00-191-002	3/8-18 Plantic Shipping Plug			71C-8	1/4 Pipe Plug Comment & Remain Administra	[]
12	A4740G	Breather Assembly		99		Forward & Reverse Adapter	11
13	444586	3/8—18 Pipe Plug	1 .	100 N 1	4911	3/8-16 X 1-1/4 Cap Screw	
4	444687	1/8-27 Drymei Plug	1 !	N.I. 101	71C-A60	Pump Assembly	11
45	71-1A195	Diprtick Assembly		101	Not Serviced	Pump Drive Gear (Order Pump Assembly)	
2	71-42	Poppet Spring		102	Not Serviced	Pump Driven Gear (Order Pump Assembly)	11
17	453632	5/16 Steel Bail		103	3-61	Pump Gasket	11
8	71-798	Forward & Reverse Shift Lever		104	Not Serviced	Pump Housing (Order Pump Assembly)	11
49	115729			105	71C-62A	Oil Seal Assembly	11
0	108579	5/16-24 Hex Nut	I I	106	179822	5/16-18 X 1-1/2 Hex Head Bott	4
1	_	5/16 Lockwesher	1		÷		
	103340 10-00-191-002	Control Lever Washer	1				
J2		3/8-18 Plastic Shipping Plug	11				1
53	4885B	Bushing	1				
1	710-84	Qil Return Tube	1	i i			1
5	71C-A98A	Oil Strainer Assembly	1				1
-6	71-1K	Transmission Case with Bushings	1 1				1

N.I. - NOT ILLUSTRATED

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FORM 1082 2/71

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AS3-71C 2.10:1 PARTS LIST

INDEX NO.	W. G. PART NO.	DESCRIPTION	NO. REO.	INDEX NO.	W, G, PART NO.	DE	SCRIPTION	NO. REQ.
1	4775L	Main Shaft Nut	1	59	71-1A28	Pinion Cage & Outpu	t Shaft Assembly	1
1 2	4547BA	Coupling	1	60		Presized 71-95 Main		
1 3	179880	7/16-14 X 1-1/4 Hex Heed Bolt	6			Drive Gear Bushing	One of Each Bushing in Kit	
4	103322	7/16 Lockweiher	6	61	Kit A4867DD	Presized 71-9C Main	o one or zach publing in Kr	1
5	71C-110	Oli See	1			Drive Geer Bushing	-	
6	L4-7	Bearing Retainer	1	62	71-17	Thrust Washer		1
17	L4-147	Beering Retainer Gasket	1	63 .	218211	Woodruff Key		1
8	4920A	Bearing	1	64	71C-A16	Drive Geer & Plug A	membly (26 Spline)	1
9	179664	7/16-14 X 1-3/4 Hex Heed Bolt	2	65.	4873	Woodruff Key		1
10	103322	7/16 Lockwesher	2	66	71-40	Forward Clutch Hub		1
1 11	L5-18	Reduction Housing (Current)		67	4495	Snep Ring		1
	L5-1	Reduction Housing (Early)	[]	68	4806J	Seeling Ring		2
12	4756D	Ring Geer Snep Ring	11	69 74	71-6	Ring Geer		
13	L5-A2	Reduction Unit Mein Sheft & Bushing	1	71	5L-67	Clutch Pressure Plate Thrust Weeher		
1 14	Kit A4867DD	Bushing (71-98 Presized for Service)		72 73	71-159 71-97	Pressure Plate Spring		12
15 16	1.3-6 11.3-24	Ring Geer Thrust Weeher	2	73 74	71-140	Buffle		1
10	1.5-1.4150	Planetary Gears & Cage Assembly (For CR Units)	1	75	5C-A66A	Clutch Inner Plate A	membly	
"	L5A-1A150	Planetary Gears & Cage Amembly (For C Units)		75	3-176	Clutch Plate		Å
18	154	Sun Geer		77	5C-175A	Clutch Pressure Plate		Ĩ
19	L4-146	Adapter Gesket, Rear	1	78	4755	Clutch Spring Snep I	lina	
20	48530	Lock Bolt	6	79	3-37	Clutch Spring		1
21	114607	7/16 Lockweeher	6	80	56-33	Clutch Spring Beering	Ring	1
22	15-84	Reduction Unit Adapter (Current)	1 1	81	5L-36	Clutch Ring		1 1
_	1.5-8	Reduction Unit Adapter (Early, without track)	•	82	71-45	Forward Clutch Pisto	n	1
1 23	4766A	Snep Ring	1	83	5M-122	Seeling Ring		1
1 24	103321	3/8 Lockweeter	6	84	71-70	Forward Clutch Cylin	ider	1
25	179640	3/8-16 X 1-1/8 Hex Heed Bolt	6	85	71-168	Thrust Washer		1 1
26	LA-145	Reduction Unit Adapter Gasket, Front	1	86	B107A	Beering		1
1 31	179793	1/4-20 X 5/B Hex Heed Bolt	3	87	4734	Sneo Ring		1 1
1 32	103319	1/4 Lockweiher	3	58	R6A-71/2	Snap Ring		1 1
33	-71-4	Valve Cover	11	89	4822	Ring Geer Snep Ring	r	1
34	71-14	Valve Cover Gesket	1	90	72-A668	Reverse Clutch Plate	Assembly	2
36	4821	Snap Ring	1	91	72-176	Outer Clutch Plets		1
1 36	71-248	Valve Spring Retainer	1 1	92	71-71	Reverse Clutch Press	ure Plate	1
57	71-242	Vaive Spring	1 1	93	71-35	Reverse Clutch Pisto	n	1
38	71-243	Pressure Regulator Valve	1	94	4805A	Seeling Ring		1
39	71-244A	Forward & Reverse Gear Transmission Valve		96	48400	Needle Bearing		11
[N.I.	71-A244A	Valve & Spring Assembly (Items 35 thru 39)		96	4804G	Seeling Ring		
40 41	4804H	"O" Ring		97	71-1448	Case & Adapter Gas	Kat	
	10-00-191-002	3/8-18 Plantic Shipping Plug	1	98	444858	1/4 Pipe Plug		
42	A4740G 444865	Breather Assembly 3/8—18 Pipe Plug	1	99	71C-8	Forward & Reverse		
44	444687	1/8-27 Dryseel Plug		100	4911	3/8-16 X 1-1/4 Ca Pump Assembly		
45	71-1A195	Dipetick Assembly		N.J. 101	71C-ABO Not Serviced		rder Pump Assembly)	
 46	71-42	Poppet Spring		107	Not Serviced		Order Pump Assembly)	
47	453632	5/16 Steel Ball		103	3-61	Pumo Gasket		
48	71-79B	Forward & Reverse Shift Lever		104	Not Serviced	Pump Housing (Orde	r Pump Assembly)	
49	115729	5/18-24 Hax Nut	1	105	71C-62A	Oil Seal Assembly	and the second sec	1
50	108579	5/16 Lockwaher	1	106	179822	5/16-18 X 1-1/2 H	lex Heed Bolt	4
1 51	103340	Control Lever Washer	1					
62	444592	3/4 Pipe Plug	1	1				
53	5L-222	Spring	1	1		ł		.
1 54	35-143	Flat Washer	1			!		
55	72C-98	Oil Inlet Shleid	1	}		Ì		
56	71-A1K	Transmission Case with Bushings	1					1
57	R6-177	Dowel Pin	3	1				
1 58	Kit A4867VV	Presized Case Bushing (Two in Kit)	1 1	•		1		

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Warner Gear/Warner-Motive

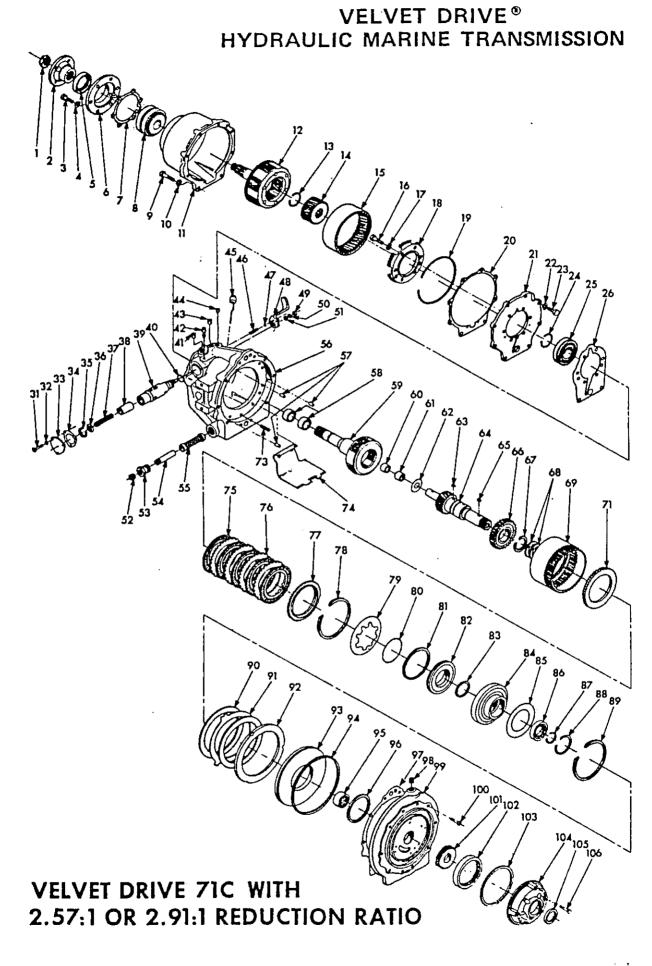
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FORM 1085 2/71

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VELVET DRIVE 71C WITH 2.57:1 OR 2.91:1 PARTS LIST

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	w. a.	DESCRIPTION	NO,	INDEX	W. Q. PART NO.	DESCRIPTION	HO. REG.
ю,	PART NO.		1	55	71C-A98A	Oil Strainer Assembly	
1 1	-47750-	Main Sheft Nut 1000-149-012		95 56	71-A1K	Transmission Case with Suzhings	11
2	4912	Coupling	6	57	R6-177	Dowel Pin	1 3
3	179880	7/16-14 X 1-1/4 Hex Heed Bolt	6	58	Kit A4867VV	Presized Case Bushing (Two In Kit)	1
4	103327	7/15 Lockwesher	1	69	71-1A2C	Finion Cage & Output Shaft Assembly	1
1 5	710.110	Cil Seel Beering Retainer				Presized Bushing 1	1.
	L47	Buering Retainer Gasket	1	61	Kit A4867DD	Presized Bushing) One of Each in Kit	1
7	L4-147	Bearing Automatic General	1	62	71-17	Thrust Washer	1
	4920	7/18-14 X 1-3/4 Hex Heed Bolt	2	63	218211	Woodruff Key	1
9 10	103322	7/18 Lockweber	2	64	71C-A16 🖉	Drive Geer & Plug Amembly (26 Spline) 🦟	11
11	L7-1A	Reduction Housing (Current)	1	6 5	4873 -	Woodruff Kay	1
	L7-1	Reduction Housing (Early)	1	66	71-40	Forward Clutch Hub	1
. 12	L6-A2D	Pinion Cage & Driven Sheft Ass'y (2.57:1 Only)	1	87	4495	Snep Ring	1
-	L7-A20	Pinion Cage & Driven Shaft Am'y (2.91:1 Only)	1	68	4806.)	Seeiing Ring	3
13	4734	Snep Ring	1	69	71-6	Ring Geer	11
14	L8-104	Sun Geer (2.57:1 Only)	1	71	51-67	Clutch Pressure Plate	1
	L7-104	Sun Geer (2.91:1 Only)	1	73	71-97	Pressure Plate Spring	12
15	L6-6	Ring Geer (2.57:1 Only)	1	74	71-140	Battle	11
1	1.3-0	Ring Geer (2.91:1 Only)	1 '	75	5C-A66A	Clutch Inner Plate Assembly	5
16	4853E	Lock Bolt	6	76	3-176	Clutch Plate	
. 17	114607	7/16 Lockweiher	6	77	5C-175A	Clutch Pressure Plate	
18	L6-31	Stationary Geer Plate (2.57:1 Only)	1	78	4755	Clutch Spring Snap Ring	
1	L7-31	Stationary Geer Plate (2.91:1 Only)	1	79	3-37	Clutch Spring	
19	4756E	Snep Ring (2.57:1 Only)	9	80	50-33	Clutch Spring Bearing Ring	
	47560	Snep Ring (2.91:1 Only)	1	81	5L-36	Clutch Ring	
20	L4-146	Adapter Gasket, Reer	1	82	71-45	Forward Clutch Pinton	
1 21	L7-8A	Reduction Unit Adapter (Current)	1	83	5M-122	Sealing Ring	
	L7-8	Reduction Unit Adapter (Early)	1	84	71-70	Forward Clutch Cylinder	1
22	103321	3/8 Lockweiher	6	85	71-158	Theuse Washer	
23	179640	3/8-16 X 1-1/8 Hex Head Bolt	6	85	B107A	Bearing	
1 24	4816	Snap Ring		87	4734	Snep Ring	
25	B308AGS	Bearing	11	88	R6A-71/2	Snap Ring	
25	L4-145	Adepter Gesket, Front	11	89	4822	Ring Gear Snap Ring Reverse Clutch Plate Assembly	2
31	179793	1/4-20 X 5/8 Hex Head Bolt	3	90	72-4568	Outer Clutch Plate	
' 32	103319	1/4 Lockwasher	3	91	72-176	Reverse Clutch Pressure Plate	
33	71-4	Valve Cover		92	1	Revenue Clutch Piston	
34	71-14	Valve Cover Gasket		03	71-35 4805A	Seeling Ring	
35	4821	Snap Biog		94	48400	Needle Beering	1
36	71-246	Valve Spring Ratainer		95	4804G	Sealing Ring	1
37	71-242	Valve Spring		96	71-1448	Case & Adapter Gasket	1
. 38	71-243	Pressure Regulator Valve Forward & Reverse Gear Transmission Valve		98	444858	1/4 Pipe Piug	1
39	71-244A	Valve & Spring Assembly (Items 35 thru 39)		89	716-8	Forward & Reverse Adapter	1
" N.I.	71-A244A			100	4911	3/8-16 X 1-1/4 Cap Screw	4
40	4804H	"O" Ring 3/8-18 Plantic Shipping Plug		N.J.	71C-A60	Pump Assembly	1
41	10-00-191-002 A4740G	3/6-18 Plantic Shipping Flog Breather Astembly		101	Not Serviced	Pump Drive Gear (Order Pump Assembly)	1
42	444866	3/8-18 Pipe Plug	1	102	Not Serviced	Pump Driven Gear (Order Pump Assembly)	1
44	444687	1/8-27 Dryseni Plug	1	103	3-61	Pump Gasket	1
45	71-1A195	Dipitick Assembly	1	104	Not Serviced	Pump Housing (Order Pump Assembly)	1
46	71-42	Poppet Spring	1	105	71C-62A	Oil Seal Assembly	1
	453632	5/16 Steel Bell	1	106	179822	5/16-18 X 1-1/2 Hex Hand Bolt	4
48	71-798	Forward & Reverse Shift Lever	1	1.	l	1	
49	115729	5/16-24 Hex Nut	1	1	1	1	
1 50	108579	5/16 Lockwesher	1	1	1	1	1
51	103340	Control Lever Washer	11	ł	1	k	ļ
52	10-00-191-002	3/8-18 Plattic Shipping Plug	1	1	1		l
53	48858	Bushing	1	I.	1		
r	71C-84	Oil Return Tube	1	1	1	1	
	71C-84	Qii Return Tube					

N.I. - NOT ILLUSTRATED

Warner Gear/Warner-Motive

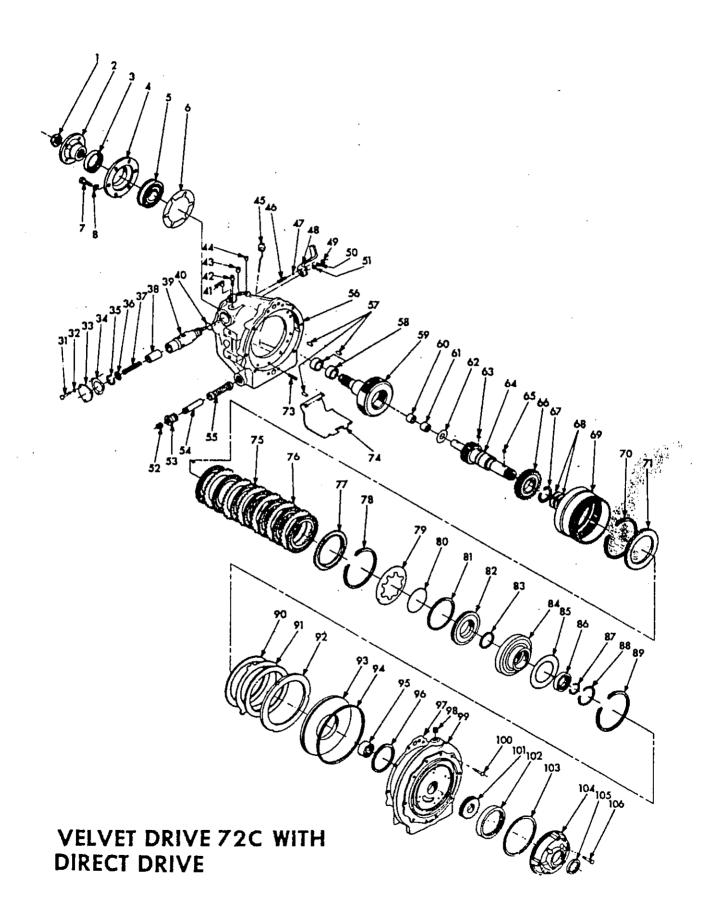
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DIVISIONS OF BORG-WARNER CORPORATION



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VELVET DRIVE® HYDRAULIC MARINE TRANSMISSION



FORM 1073 2/71

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AS11-72C DIRECT DRIVE PARTS LIST

				INDEX	W. G.		HO.
INDEX	w.a.	DESCRIPTION	NO. REQ	NO.	PART NO.	DESCRIPTION	REG.
NO.	PART NO.				4755	Clutch Spring Snap Ring	1
1	4745L	Main Shaft Nut	1	78		Clutch Spring Ship King	
1 2	4547AY	Coupling	1	79	3-37	Clutch Spring Beering Ring	
3	710-110	Oil Seel	1	80	50-33		
4	72-7	Beering Retainer	1	81	5L-36	Clutch Ring	
6	BOODAGS	Annular Beering	1	82	71-45	Forward Clutch Pirton	
1 8	72-147	Bearing Retainer Gasket	1	80	6M-122	Seeling Ring ("O" Ring)	11
7	47370	7/16-14 X 1-1/8 Hex Heed Bolt	6	84	72-70	Forward Clutch Cylinder	11
' 8	X29790R	7/16 Lockwesher	6	85	•71-158	Thrust Wesher	11
31	179793	1/4-20 X 5/8 Hex Heed Nut	3	86	E108A	Beering	1
. 32	103319	1/4 Lockweiher	3	87	4559A	Snep Ring	11
	71-4	Valve Cover	1	88	47668	Snep Ring	1
1 34	71-14	Valve Cover Gasket	1	89	4822	Bing Geer Snep Bing	3
8.1.	71-A244A	Valve & Spring Assembly (Items 35,36,37,38 & 39)	1	90	72-A668	Reverse Clutch Plate Assembly	2
, 36	4821	Snep Ring	1 1	91	72-176	Outer Clutch Plate	1
30	71-246	Valve Spring Retainer	1	92	71-71	Reverse Clutch Pressure Plate	1
1 1	71-242	Valve Spring		93	71-36	Reverse Clutch Piston	1
37		Pressure Requistor Valve		94	4906A	Seeling Ring	1
38	71-243	Forward & Reverse Gear Transmission Valve		96	48400	Needle Searing	1
1 39	71-244A			96	4804G	Seeing Ring	1 1
40	4904H	"O" Ring	l i	97	71-1448	Core & Adapter Gasket	1
· 41	10-00-191-002	3/8-18 Plastic Plug		96	444858	1/4 Pipe Pipe	1 1
42	A4740G	Breather Assembly	2	30	71C-8	Forward & Reverse Adapter	
143	444856	3/5—18 Pipe Plug	_		4911	3/8-15 X 1-1/4 Cap Screw	
44	444687	1/8-27 Pipe Plug	1	100		Pump Assembly (includes 101,102,104 & 105)	
° 46	71-1A195	Dipitick Assembly	1	N.I.	71C-A80		
48	71-42	Poppet Spring	1	101	Not Serviced	Pump Drive Geer (Order Assembly)	
1 47	453632	5/16 Steel Ball	1	102	Not Serviced	Pump Driven Geer (Order Assembly)	11
46	71-796	Forward & Revene Shift Lever	1	103	3-61	Pump Gaiket	1
49	116729	5/16-24 Hex Nut	1	104	Not Serviced	Pump Housing (Order Assembly)	
50	108579	5/18 Lockweeher	1	105	71C-62A	Oil Seel Amembly	1.1
1 51	103340	Control Lever Washer	1 1	106	179622	5/16-15 X 1-1/2 Hex Heed Bolt	1
52	10-00-191-002	3/8-18 Plantic Plug	1 1		1		
53	48858	Bushing	1	ļ.	1		
54	710-84	Oll Beturn Tube	1 1				
1 66	710-4964	Oil Strainer Assembly	1	ł			
56	72-A1J	Transmission Case					1
1 57	R6-177	Dowal Pin	3				
58	Kh A4867VV	Case Bushings (Two Presized Bushings in Kit)	1.	1			
- +	72-142	Pinion Cage & Output Shaft Assembly				· ·	
1.59	14-104	Main Drive Geer Bushing (71-98 Presized)	1	1			
60	ŝ.		1				
	Kit A4867DD	ONE OF EACH IN KIT	1	1			
61		Main Drive Geer Bushing (71-9C Presized)	Ι.	1	1	1	
1 82	71-17	Thrust Washer	1 !	1	1	ł	
63	124633	Woodruff Key		1	1		
64	72C-A16	Drive Geer & Plug Assembly		1	1		1
66	4873	Woodruff Key	11	1			
1 06	72-40	Forward Clutch Hub		1	ł		1
67	4495	Snap Ring	1	1	1		
68	4806J	Seeing Ring	2	1	{		
69	72-6	Ring Geer	1	ł	1	· ·	ł
1 70	4768	Snep Ring, Selective .050054, Green	11	1 .	1	1	
1	4768A	.074078, Orange	1 1	1			
•	47668	,096—,100, White	1	1	1	1	
71	5L-67	Clutch Pressure Plate	1	1	1	1	
73	71-97	Pressure Plate Spring	12	Ĩ	1	1	1
74	71-140	Battle	1 1	1			
1 75	5C-A66A	Clutch Inner Plate Assembly	7	1	1		
76	3-176	Clutch Plate (Steel)		1	1		
1 77	5C-175A	Clutch Pressure Plate	Ĭī	1	1	1	1
1 "	1	And first Linguistic i Marka	1	ł	1	1	

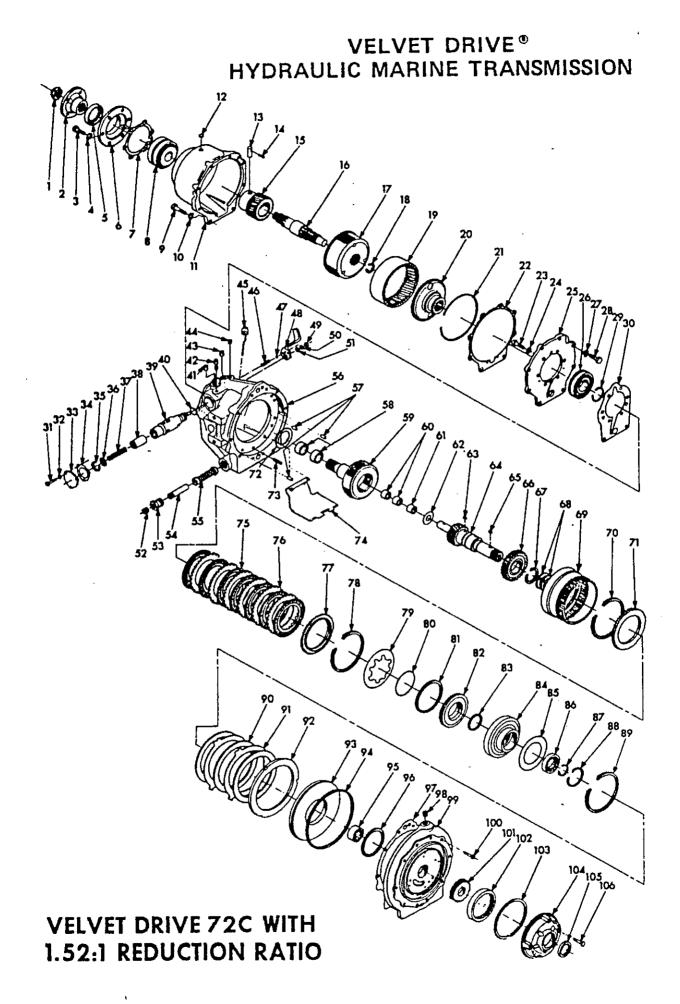
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Warner Gear/Warner-Motive

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FORM 1077 2/71

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AS12-72C 1.52:1 PARTS LIST

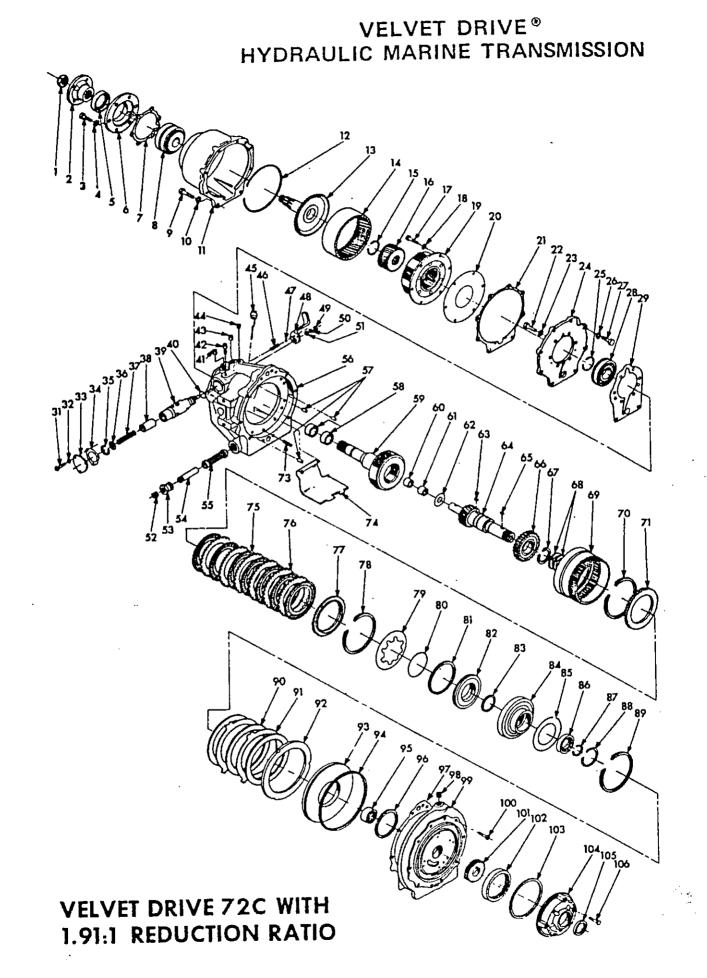
INDEX	W. G. PART NO.	DESCRIPTION	NO.	INDEX	W, G. PART NO.	DESCRIPTION	RE
1	4775L	Main Shaft Nut	1	56	72-A1K	Transmission Case with Bushings	1
2	4547AY	Coupling	1 1	57	4622E	Dowel Pin	3
3	179860	7/16-14 X 1-1/4 Hex Head Bolt	6	58	Kit A4867VV	Presized Case Bushing (Two in Kit)	
4	103322	7/16 Lockwesher	6	59	72-1A2A	Pinion Cage & Output Shaft Amembly	11
5	71C-110	Oil See		80		President Bushing L	1
6	147	Beering Retainer		61	Kit A4867DD	Presized Bushing	2
7	L4-147	Beering Retainer Gasket		6.2	71-17	Thrust Washer	1,
-	4920A	Bearing		63	124553	Woodruff Key	
8 9	179854	7/16-14 X 1-3/4 Hex Head Bolt	2	64	72C-A16	Drive Gear & Plug Assembly (25 Spline)	
-	103322	7/16 Lockwesher	2	66	4873	Woodruff Key	
10				66	72-40	Forward Clutch Hub	
11	L41A	Reduction Housing (Current)			4495	Same Ring	
	L41	Reduction Housing (Early)		67 67	4495 4806J		2
12	103891	Expension Plug		68 20		Sealing Ring	
13	L4-151	Pinion Cage Drive Pin		69 10	72-8	Ring Geer	
14	4908	Spring Pin .	1	70	4768	Snap Ring, Selective .050054, Green	1
15	L44	Sun Geer	11		4768A	.074078, Orange	
16 at	·L4-2	Main Shaft			47688	,096~,100, White	
17	L4-A150	Pinion Cage Assembly	1	71	5L-67	Clutch Pressure Plate	1
18	4734	Snep Ring	1	72	71-1 59	Thrust Washer	1
19	L3-6	Ring Geer	1	73	71-97	Pressure Plate Spring	12
20	L4-18	Input Gear	1	74	71-140	Beffie	1
21	47560	Snep Ring	1	75	5C-A66A	Clutch Inner Plate Assembly	7
22	L4-146	Adapter Gesket, Reer	[1	78	3-176	Clutch Plate	6
23	48530	7/16-14 X 1 Lock Bolt	6	77	5C-175A	Clutch Premure Plete	1
24	114607	7/16 Lockweiher	6	78	4755	Clutch Spring Snep Ring	1
25	L4-88	Reduction Unit Adapter (Current)	11	79	3-37	Clutch Spring	1
	L4-8	Reduction Unit Adapter (Early)	1	80	5C-33	Clutch Spring Bearing Ring	1
26	8111AG	Bearing	1	81	5L-36	Clutch Ring	1
27	103321	3/8 Lockweiher	6	82	71-45	Forward Clutch Piston	1 1
28	179640	3/8-16 X 1-1/8 Hex Head Bolt	6	83	5M-122	Seeling Ring	1
29	4766	Snep Ring	1	84	72-70	Forward Clutch Cylinder	1
30	L4-145	Adapter Gesket, Front	1	85	71-158	Thrust Washer	1
31	179793	1/4-20 X 5/8 Hex Head Bolt	3	86	8106A	Bearing	1,
32	103319	1/4 Lockwasher	3	87	4559A	Snap Ring	1.
33	71-4	Valve Cover	1	88	47668	Snap Filng	11
34	71-14	Valve Cover Gasket		89	4822	Ring Geer Snap Ring	
35	4821	Snee Ring		90	72-A66B	Reverse Clutch Plate Assembly	3
36	71-245	Valve Spring Retainer		91	72-176	Outer Clutch Plate	2
57	71-242	Valve Spring		92	71-71	Reverse Clutch Pressure Plate	
39	71-243	Pressure Regulator Valve		93	71-35	Revenue Clutch Piston	
39	71-244A	Forward & Reverse Geer Transmission Velve		94	4805A	Sealing Ring	
N.1.	71-A244A	Valve & Spring Assembly (Items 35 thru 39)	1:		48400	Needla Basring	
40	4804H	"O" Ring	1:	95		-	
	10-00-191-002	-	11	96	4804G	Sealing Ring	
41		3/8-18 Plantic Shipping Plug	11	97	71-1448	Case & Adapter Gasket	
42	A4740G	Breather Assembly		98	444858	1/4 Pipe Plug	
43	444866	3/8-18 Pipe Plug		99	71C-8	Forward & Reverse Adapter	
44	444687	1/8-27 Dryseel Plug		100	4911	3/8-16 X 1-1/4 Cap Screw	
45	71-1A195	Diprtick Assembly	11	N.J.	71C-A60	Pump Astembly	
40	71-42	Poppet Spring	1 !	101	Not Serviced	Pump Drive Gaar (Order Pump Assembly)	
47	453632	5/16 Steel Ball		102	Nat Serviced	Pump Driven Gear (Order Pump Assembly)	
48	71-798	Forward & Revense Shift Lever	1	103	3-51	Pump Gesket	
49	115729	5/16-24 Hex Nut	1	104	Not Serviced	Pump Housing (Order Pump Assembly)	1
50	108579	5/15 Lockwasher	1	105	71C-82A	Oil Seal Assembly	1
51	103340	Control Lever Washer	1	106	179822	5/16-18 X 1-1/2 Hex Head Bolt	4
52	10-00-191-002	3/8-18 Plantic Shipping Plug	1				
53	48858	Bushing	1	5			
54	71C-84	Oil Return Tube	1				ł
55	71C-A98A	Oil Strainer Assembly	1 1				1

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FORM 1080 2/71

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AS17-72C 1.91:1 PARTS LIST

... .

INDEX NO.	W. Q. PART NO.	DESCRIPTION	NO.	INDEX NO.	W. G. Part NO.	DESCRIPTION	NO. REO.
		Main Shaft Nut	1 1	57	4622E	Dowel Pin	3
1	4775L 4547AY	Coupling		58	Kit A4867VV	Presized Case Bushing (Two In Kit)	1
2 3	179860	7/18-14 X 1-1/4 Hex Head Bolt	6	59	72-1A2C	Pinion Cage & Output Sheft Assembly	
4	103322	7/16 Lockwasher	6	80		Presized 71-88 Main	Ï.
5	71C-110	Oil Seel	1			Drive Geer Bushing	
6	L4-7	Beering Retainer	1	61	Kit A486700	Presized 71-9C Main One of Each Bushing in Kit	11
7	L4-147	Bearing Retainer Gasket	1 1			Drive Gear Bushing	1
8	4920A	Buering	1	62	71-17	Thrust Washer	1
9	179864	7/16-14 X 1-3/4 Hex Heed Bolt	2	63	124553	Woodruff Key	11
10	103322	7/16 Lockwesher	2	64	72C-A16	Drive Geer & Plug Assembly (25 Spline)	1
11	L5-1A	Reduction Housing (Current)	1	65	4873	Woodruff Key	1
	L5-1	Reduction Housing (Early)	Ι Τ.	86	72-40	Forward Clutch Hub	1
12	4756D	Snep Ring	1	67	4495	Snep Ring	1
- 13	L9-2	Reduction Unit Mein Shaft	1	68	4806J	Sealing Ring	2
14	L3-6	Ring Geer	1	69	72-6	Ring Geer	1
15	4734	Snap Ring	1 1	70	4768	Snap Ring, Selective .050064, Green	1
16	L7-104	Sun Geer	1		4768A	.074078, Orange	
17	48538	5/16-18 X 3/4 Lock Bolt	6	ł	47688	,096100, White	1
18	114605	5/16 Lockwesher	6	71	δL-67	Clutch Pressure Plate	1
19	L9-A150	Pinion Cage Assembly	1	73	71-07	Pressure Plate Spring	12
20	L9-99	Lube Oil Strainer	1	74	71-140	Baffle	11
121	L4-148	Adepter Gesket, Reer		75	5C-A66A	Clutch Ioner Plate Assembly	2
22	48530	7/16-14 X 1 Lock Bolt	6	76	3-176	Clutch Plate	
23	114607	7/16 Lockwesher	6	77	5C-175A	Clutch Pressure Plate	
24	L9-8A	Reduction Unit Adepter (Current)	1	78	4755	Clutch Spring Snap Ring	
	L9-8	Reduction Unit Adapter (Early)	1	79	3-37	Clutch Spring	11
25	4816	Snep Ring		80	50-33	Clutch Spring Beering Ring	1 !
26	103321	3/8 Lockweiher	6	81	5136	Clutch Ring	
27	179640	3/8-16 X 1-1/8 Hex Head Bolt	•	82	71-45	Forward Clutch Piston	
28	BOOBAGS	Annular Bearing	1	83	BM-122	Sealing Ring	1 .
29	L4-145	Adepter Gesket, Front	1 1	84	72-70	Forward Clutch Cylinder	11
31 .	179793	1/4-20 X 5/8 Hex Heed Bolt	3	85	71-158	Thrust Washer	12
я	103319	1/4 Lockweiher	3	86	B108A	Buering	
33	71-4	Valve Cover	11	87	4559A	Shap Ring	
34	71-14	Valve Cover Gasket	11	88	47668	Snap Ring Ring Cost Song Ring	
36	4821	Snap Ring		89	4822	Ring Gear Snap Ring Revenue Clutch Plats Assembly	3
36	71-246	Valve Spring Retainer		90	72-A668	· · · · · · · · · · · · · · · · · · ·	2
37	71-242	Valve Spring		91	72-176	Outer Clutch Plate , Reverse Clutch Pressure Plate	
38	71-243	Pressure Regulator Valve		92 93	71-71	Reverse Clutch Piston	
39	71-244A	Forward & Reverse Geer Transmission Valve		9.5	4805A	Sealing Ring	
N.I.	71-A244A	Valve & Spring Assembly (Items 35 thru 40)				Needle Baaring	
40	4804H	"O" Ring"		95	4840D	-	
41	10-00-191-002	3/8-18 Plastic Shipping Plug		96	4804G	Sealing Ring Case & Adepter Gasket	
42	A4740G	Breather Assembly		97	71-1448 444858	1/4 Pipe Plug	
43	444586	3/8—18 Pipe Plug		98 99	71C-8	Forward & Reverse Adapter	
44	444687 71-1A195	1/8—27 Dryses Plug Directory Assembly		100	4911	3/8-16 X 1-1/4 Cap Screw	4
45 46	71-14195	Dipetick Assembly . Poppet Spring		N.I.	71C-A60	Pump Assembly	1
40 47	453632	5/16 Steel Bail		101	Not Serviced	Pump Drive Gear (Order Pump Assembly)	1
48	71-796	Forward & Reverse Shift Lever		102	Not Serviced	Pump Driven Geer (Order Pump Assembly)	1
49	115729	5/16-24 Hex Nut		103	3-61	Pump Gasket	1
50	108579	5/16 Lockwesher		104	Not Serviced	Pump Housing (Order Pump Assembly)	1
51	103340	Control Lever Wesher		105	71C-62A	Oil Seal Assembly	1
52	10-00-191-002	3/8-18 Plastic Shipping Plug		105	179822	5/16-18 X 1-1/2 Hex Head Bolt	4
		Bushing		1.00	1		-
53 54	46856	Oil Return Tube		1		1	
54 55	71C-84			1	1		1
55	71C-A98A	Oil Streiner Assembly Transmission Care with Bushings		I	i		
56	72-1K	Transmission Case with Bushings	! '	1			

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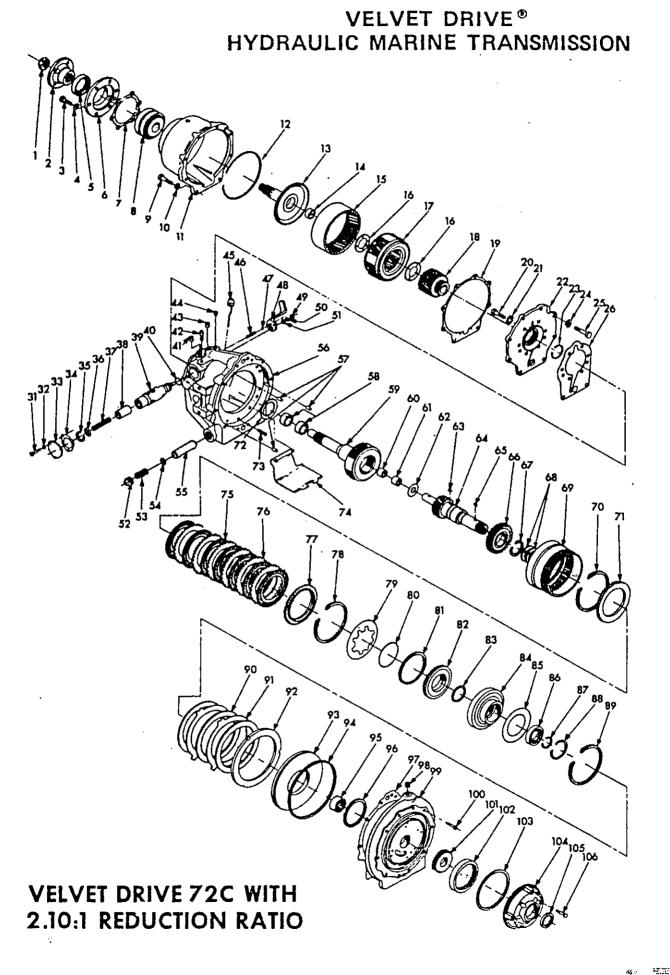
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FORM 1083 2/71

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AS13-72C 2.10:1 PARTS LIST

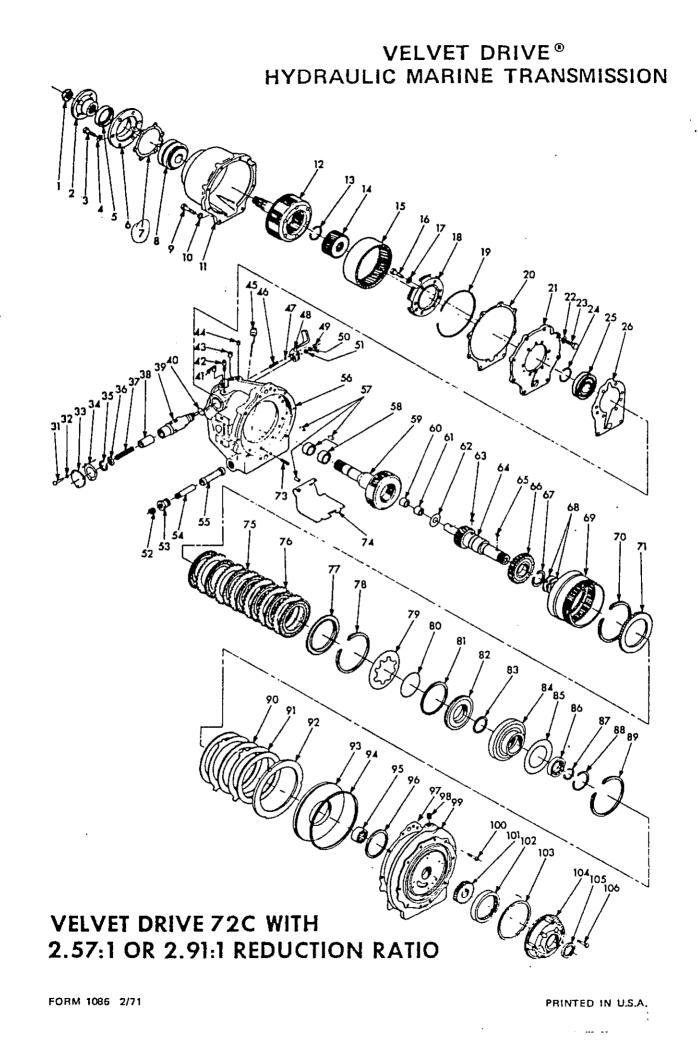
NOEX	W. G. PART NO.	DESCRIPTION	NO. REQ.	INDEX NO.	W. Q. PART NO.	DESCRIPTION	NO. REC
1	4775L	Mein Shaft Nut	1	59	72-1A28	Pinion Cage & Output Shaft Assembly	1
2	4547AY	Coupling	1	60		Presized 71-08 Main	
3	179860	7/16-14 X 1-1/4 Hex Head Bolt	6			Drive Geer Bushing	
4	103372	7/18 Lockweiher	8	61	Kit A485700	Presized 71-9C Main One of Each Bushing In Kit	1
8	710-110	Oli Seal ·	1			Drive Geer Bushing	
6	L4-7	Beering Retainer	1	62	71-17	Thrust Wisher	1
7	L4-147	Buaring Retainer Gasket	1	63	124553	Woodruff Key	1 1
8	4920A	Seering	1	64	72C-A16	Drive Gear & Plug Assembly (26 Spline)	1
9	179864	7/16-14 X 1-3/4 Hex Head Bolt	2	65	4873	Woodruff Key	1
10	103322	7/16 Lockweither	2	66	72-40	Forward Clutch Hub	1
11	LS-18	Reduction Housing (Current)	1	67	4495	Snap Ring	1
••	L5-1	Reduction Housing (Early)	1	68	4806J	Seeling Ring	2
12	47560	Ring Geer Snep Ring	1	69	72-6	Ring Geer	5
13	LS-AZ	Reduction Unit Mein Sheft & Bushing		70	4768	Snap Ring, Selective .050054, Green	
14	Kit A4867DD	Bushing (71-98 Presized for Service)	1		4768A	.074078, Orange	1
15	L3-6	Ring Geer	1		47688	.096100, White	1
16	L3-24	Thrust Washer	2	71	51-67	Clutch Pressure Plate	1;
10	L5-1A150	Planetary Geers & Cage Assembly (For CR Units)	ī	72	71-159	Thrust Washer	
••	L5A-1A150	Planetary Gent & Cage Americaly (For C Units)		73	71-97	Pressure Plate Spring	112
16	154	Sun Geer		74	71-140	Baffie	5
19	L4-146	Adapter Gasket, Rear	1	75	5C-A86A	Clutch Inner Plate Assembly	1 7
20	48530	Lock Bolt	6	76	3-176	Clutch Plate	6
21	114607	7/15 Lockwasher	6	77	5C-175A	Clutch Pressure Plate	1
22	L5-8A	Reduction Unit Adapter (Current)		78	4755	Clutch Spring Snep Ring	
"	L5-8A	Reduction Unit Adapter (Early, without track)		79	3-37	Clutch Spring -	
				29 80	5C-33	Clutch Spring Beering Ring	
23	4766A	Snap Ring 3/8 Lockwasher	6	81	50-33 51-35	Clutch Ring	1:
14	103321		6		71-45	Forward Clutch Pirton	:
75	179840	3/8-18 X 1-1/8 Hex Head Bolt	-	82			1:
20	L4-145	Reduction Unit Adapter Gasket, Front	1	83	5M-122	Seeing Ring	
31	179793	1/4-20 X 5/B Hex Heed Bolt	3	84	72-70	Forward Clutch Cylinder	
32	103319	1/6 Lockweiher	3	85	71-158	Thrust Washer	
CI CI	71-4	Valve Cover	1	86	8108A	Bearing	
34	71-14	Valve Cover Gasket		87	4659A	Snap Ring	
36	4821	Snep Ring	1	88	47668	Snap Ring	
36	71-245	Valve Spring Retainer	1	69	4822	Ring Geer Scap Ring	1
37	71-242	Velve Spring	1 1	90	72-A668	Reverse Clutch Plate Assembly	1 3
38	71-243	Pressure Regulator Valve	1	- 91	72-176	Outer Clutch Plete	1 2
39	71-244A	Forward & Reverse Geer Transmission Valve	1	92	71-71	Reverse Clutch Pressure Plate	11
6.I.	71-A244A	Valve & Spring Assembly (Items 35 thru 39)	1	93	71-35	Reverse Clutch Platon	1
40	4804H '	"O" Bing	1	94	4805A	Seeling Ring	1
41	10-00-191-002	3/8—18 Plestic Shipping Plug	1	95	48400	Needle Bearing	
42	A4740G	Breather Assembly	1	96	4804G	Sealing Ring	1
43	444868	3/8-18 Pipe Plug	1 1	97	71-1448	Case & Adapter Gesket	1
44	444687	1/8—27 Dryseet Flug	1	98	444858	1/4 Pipe Plug	1
45	71-1A195	Dipitick Asiembly	1	99	71C-8	Forward & Reverse Adapter	
46	71-42	Poppet Spring	1	100	4911	3/8-16 X 1-1/4 Cap Screw	1
47	453632	5/16 Steel Ball	1	NJ.	71C-A60	Pump Assembly	1
48	71-798	Forward & Reverse Shift Lever	1	101	Not Serviced	Pump Drive Gear (Order Pump Assembly)	1
49	115729	5/1624 Hex Nut	1	102	Not Serviced	Pump Driven Geer (Order Pump Assembly)	
50	108579	5/16 Lockweiher	1	103	3-61	Pump Gaiket	
51	103340	Control Lever Washer	1	104	Not Serviced	Pump Housing (Order Pump Assembly)	
52	444592	3/4 Pipe Plug	1	105	71C-62A	Oil Seel Assembly JOUD Synauly	
53	5L-222	Spring	1	106	179822	5/16-18 X 1-1/2 Hex Head Bolt	1
54	35-143	Flat Washer	1	1			1
55	72C-98	Oil Inlet Shield	1 1	1	1		1
58	72-A1K	Transmission Case with Bushings		I I	1	1	
57	4622E	Dowel Pin	3	1		1	
58	Kit A4867VV	Presized Case Bushing (Two in Kit)	1	ł			1
	1	Training case maning filling in this	1 .	3	1	1	1

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DIVISIONS OF BORG WARNER CORPORATION





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VELVET DRIVE 72C WITH 2.57:1 OR 2.91:1 PARTS LIST

IDEX NO,	W, G. PART NO.	DESCRIPTION	NO, REQ.	INDEX NO,	W. G. PART NO.	DESCRIPTION	NC
1	-47760-	Main Shatt Nut 1000 -149 -072	1	55	71C-A96A	Oil Streiner Amembly	1
2	4912	Coupling OS -	1	56	72-A1K	Transmission Case with Bushings	
3	179680	7/16-14 X 1-1/4 Hex Heed Bolt	0	57	4622E	Dowel Pin	
4	103322	7/16 Lockweiher	6	64	Kit A4867VV	Presized Case Bushing (Two in Kit)	1
5	710-110	OH Seal	1	5 0	72-1A2C	Finion Cage & Output Sheft Assembly	1
•	147	Bearing Retainer	1	60	KH A4867DD	Presized Bushing One of Each in Kit	1
7	L4-147	Bearing Retainer Gasket	1	61		Presized Bushing)	1
	4920	Bearing	1	6 2	71-17	Thrust Washer	
9	179664	7/16-14 X 1-3/4 Hex Head Bolt	2	63	124853	Woodruff Key	I
0	103322	7/16 Lockweiher	2	64	72C-A16	Drive Geer & Plug Assembly (26 Spilne)	1
11	L7-1A	Reduction Housing (Current)	1	85	4873	Woodruff Key	I
	L7-1	Reduction Housing (Early)	1	66	72-40	Forward Clutch Hub	1
12	L6-A2D	Pinion Cage & Driven Sheft Asr'y (2.57:1 Only)	1	67	4495	Snep Ring	Ł
ļ	L7-A20	Pinion Cage & Driven Sheft Ass'y (2.91:1 Only)	1	66	4808.1	Seeling Ring	1
3	4734	Snep Ring	1	69	72-8	Ring Geer	1
4.	L6-104	Sun Geer (2.57:1 Only)	1	70	4768	Snap Ring, Selective, .060054, Green	Ł
	L7-104	Sun Geer (2.91:1 Only)	1	1	4768A	.074078, Orange	ł
5	L6-8	Ring Geer (2.57:1 Only)	1	i i	47668	.096100, White	I
	L3-5	Ring Geer (2.91:1 Only)	1	71	5L-67	Clutch Pressure Plate	1
5	4853E	Lock Bolt	6	73	71-97	Pressure Plate Spring	
7	114007	7/18 Lockweiher	6	74	71-140	Baffie	
8	LB-31	Stationery Geer Plate (2.57:1 Only)	1	75	5C-A66A	Clutch Inner Plats Assembly	
-	L7-31	Stationary Gaar Plata (2.91:1 Only)	1	76	3-176	Clutch Plate	
9	4766E	Snap Ring (2.57:1 Only)	1	77	5C-175A	Clutch Pressure Plats	
-	4756D	Snap Ring (2.91:1 Only)	1	78	4755	Clutch Spring Snap Ring	1
0	4/300 L4-146	Adapter Geiket, Reer	1	. 79	3-37	Clutch Spring	
.u :1	L7-8A	Reduction Unit Adapter (Current)	1	80	50.33	Clutch Spring Bearing Ring	1
'	L7-8A	Reduction Unit Adapter (Contend		81	5L-36	Clutch Ring	ļ
, ,	1 - · · P	····		81	8L-30 71-45	Forward Clutch Piston	ļ
2	103321	3/8 Lockwesher 3/8-16 X 1-1/8 Hex Heed Bolt	6	82 83	71-45 5M-122	Seeing Ring	I
3	179840	J/8-16 X 1-1/8 Hex Heed Bolt Snap Ring		83 84	5M-122 72-70	Forward Clutch Cylinder	
14 MK	4816 #2084.GS			85	72-70	Thrust Wesher	
25 	5308AGS	Beering Adepter Gesket, Front		85	71-158 B108A	Baaring	
16 14	170797	1/4-20 X 5/8 Hex Head Bolt	3	80	4659A	Snep Ring	ļ
n n	179793		3	87 88	17668	Snep Ring	I
2	103319	1/4 Lockwasher		88 89	4822	Shap King Ring Geer Shap Ring	ļ
22	71-4	Valve Cover Valve Cover Gasket		- 89 90	4822 72-A668	Reverse Clutch Plate Amembly	Į
н -	71-14	Valve Cover Gasket				Outer Clutch Plate	I
35	4821	Snep Bing		91	72-176	Revense Clutch Pressure Plate	ł
36	71-246	Valve Spring Retainer	1	97	71-71	Reverse Clutch Pressure Plate Reverse Clutch Piston	
37	71-242	Valve Spring		93	71-35	· · ·	ļ
36	71-243	Pressure Regulator Valve		94	4806A	Sealing Ring Neurole Research	
39	71-244A	Forward & Reverse Gear Transmission Valve		95	48400	Needia Baaring Section Ring	
.1.	71-A244A	Valve & Spring Assembly (Items 35 thru 39)		96	4804G	Seeing Ring	I
40	4804H	"O" Ring	1	97	71-1448	Case & Adapter Gasket	
11	10-00-191-002	3/8-18 Plantic Shipping Plug	1	98	444858	1/4 Pipe Plug	ł
42	A4740G	Breather Assembly	11	99	710-8	Forward & Reverse Adapter	l
13	444856	3/8—18 Pipe Piug	11	100	4911	3/8-16 X 1-1/4 Cap Screw	ł
и	444687	1/8-27 Dryseel Plug	1	N.I.	71C-A80	Pump Assembly	ł
15	71-1A195	Dipetick Assembly	1 !	101	Not Serviced	Pump Drive Geer (Order Pump Assembly)	1
15	71-42	Poppet Spring	1	102	Not Serviced	Pump Driven Geer (Order Pump Astembly)	1
17	463632	5/16 Steel Ball	1	103	3-61	Pump Gasket	
18	71-798	Forward & Reverse Shift Laver	1	104	Not Serviced	Pump Housing (Order Pump Assembly)	
9	115729	5/16-24 Hex Nut	1	105	71C-62A	Oil Seal Assembly	
50	108579	5/16 Lockwesher	1	106	179822	5/16-18 X 1-1/2 Hex Heed Bols	
51	103340	Control Lever Washer	1	1	ł	1	1
52	10-00-191-002	3/8-18 Plastic Shipping Plug	1	1	1		1
53	48858	Bushing	1	1	l l		
		,			-	_	

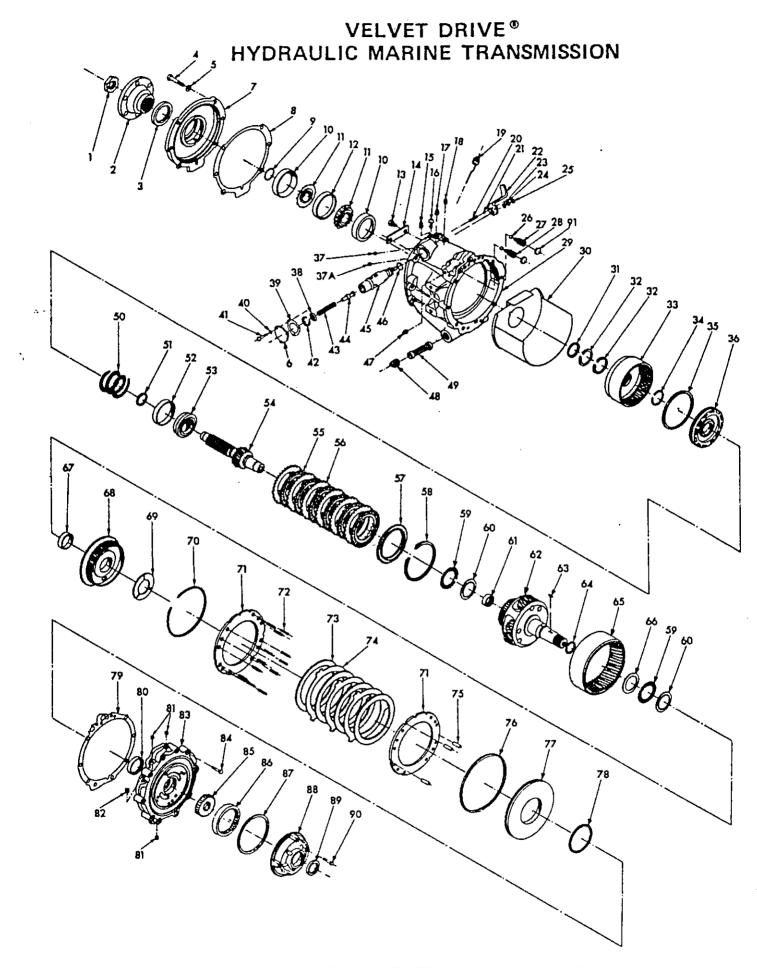
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DIVISIONS OF BORG-WARNER CORPORATION





73C DIRECT DRIVE TRANSMISSION

FORM 1067 2/71

PRINTED IN U.S.A.

AS1-73C DIRECT DRIVE PARTS LIST

INDEX	w. a.		NO.	INDEX	W. G.		NO.
NO.	PART NO.	DESCRIPTION	REQ.	NO.	PART NO.	DESCRIPTION	RE:
		Main Shaft Nut	1	57	5L-67	Clutch Pressure Plate	
1	4775T		, i	58	4751	Snep Ring	1
2	4914A	Coupling Oil Seal 1000 - 044-017		59	48300	Needle Beering	2
3	179860	$7/16-14 \times 1-1/4$ Hex Head Bolt	6	60	48328	Thrust Bearing Race	
4	103322	7/16 Lockwesher	6	61	48408	Needle Bearing	1.
5	71-4	Vile Cover	1	62	73C-1A16E	Input Shaft & Planet Carrier Assembly	
6 7	736-7	Beering Retainer	9	63	4897A	Pumo Drive Key	1
Ŕ	73C-145	Cese Reer Gasket		. 64	4806A	Sealing Ring	1
9	3-34	"O" Ring	t	65	73C-6	Ring Gear	1 1
10	4923G	Bearing Cup	2	65	4832A	Needle Bearing Thrust Race	1 1
10	4922G	Bearing Cone	2	67	Not Serviced	Ring Gear Hub Bushing (Order Assembly)	1
12	730-75	Bearing Spacer	1	68	73C-A106A	Ring Gear Hub & Ast'y (Includes item 67)	1
13	477688	7/16-14 X 7/B Hex Hand Bolt	2	69	73C-15	Ring Geer Hub Thrust Washer	1
14	730-51	Lube Line Cover	1	70	4822A	Ring Geer Snap Ring	1
15	444852	1/8 Pipe Plug	1 1	71	730-71	Reverse Clutch Pressure Plate	2
16	47404	Breather Assembly	1 1	72	71-97	Pressure Plate Spring	12
10 17	444864	3/8 Pipe Plug	1	73	72-A668	Reverse Clutch Plate, Inner	14
18	444864	3/8 Pipe Plug	1	74	72-176	Reverse Clutch Plate, Outer	5
19	71-2A195	Dipatick Assembly	1	75	4622F	Dowel Pin	3
20	71-42	Poppert Spring	1	76	4805A	Sealing Ring	1
21	453632	5/16 Steel Ball	1	77	71-35	Revenie Clutch Fiston	1 1
22	68C-79	Forward & Reverse Shift Lever	1	78	4804G	Sealing Ring	1
23	103340	Control Lever Washer	1	79	70C-144	Case & Adapter Gasket	1
24	108579	5/16 Lockwesher	1	80	4840T	Needle Bearing	•
25	115729	5/16-24 Hex Nut	1	81	444852	1/8 Pipe Plug	1
26	453595	7/16 Steel Bail	2	82	444858	1/4 Pipe Plug	1
27	72M-273	Cooler Check Valve Spring	1	83	73C-8	Transmission Adapter	1
28	68C-269	Check Valve Spring	1	84	4911	3/8-16 X 1~1/4 Cap Screw	1.
29	A73C-1A	Forward & Reverse Transmission Case & Plug Ass'y	1	N.I.	71C-A60	Pump Assembly (Items 85,86,88 & 89)	1.1
30	730-140	Oil Baffle	1	85	Not Serviced	Pump Drive Gear (Order Assembly)	1 1
31	4652KK	Bearing Specer	1	86	Not Serviced	Pump Driven Gear (Order Assembly)	1
32	4806R	Sealing Ring	2	87	3-61	Pump Gasket	1
33	73C-50A	Direct Clutch Cylinder	1	88	Not Serviced	Pump Housing (Order Assembly)	
34	4559A	Snap Ring	1	89	71C-62A	Oil Seat Assembly	•
35	3-46	Sealing Ring	1	90	179822	5/16-18 X 1-1/2 Hex Head Bolt	4
- 36	6-A45	Clutch Pixton and Ball Assembly	1	91	68C-268	Check Valve Spring Retainer	1
37	45721	Plug	1	N.I.	4636KR	Service Name Plate	
37A	4572N	Plug	1	N.3.	145370	Drive Screw	4
38	71-246	Valve Spring Retainer	1				
39	71-14	Valve Cover Gasket	1	1	l	1	
40	103319	1/4 Lockwesher	3	1	Į		1
41	179793	1/4-20 X 5/8 Hex Head Bolt	3	ł	1		
42	4821	Snap Ring	1	1	1		
43	5G-248	Valve Spring	1	1	1		
44	730-243	Pressure Regulator Valve	1	ł	1		
45	730-244	Forward & Reverse Gear Transmission Valve	1	1			
N.I.	73C-A244	Valve Assembly (Items 42,43,44,45)	1	1	1		1
46	4804H	"O" Bing	1	I.	1		
47	444864	3/8 Pipe Plug	2	ł			
48	444592	3/4 Pipe Plug	1	1	1		
49	71C-A98A	Oil Strainer Assembly	1	ł	1		ł
60	3-47A	Clutch Spring	1	1	}		
51	3.44	Sealing Ring	1	1	ŀ.		
52	Not Serviced	Bearing Steeve Bushing (Order Assembly)	1	1	1	1	
53	73C-A12A	Bearing Sleeve & Bushing Ass'y (Includes item 52) .	1	1	1		
54	73C-1A2F	Output Shaft and Sleeve Ass'y (Includes item 53)	1	I	1		
55	5C-A66A	Clutch Inner Plate Assembly	δ		1		
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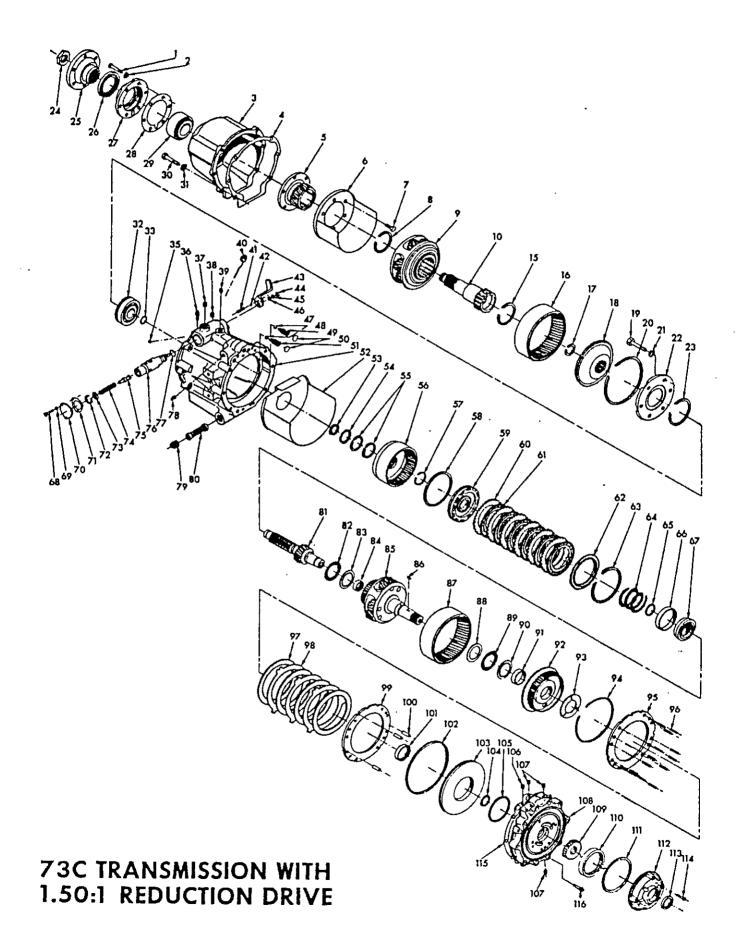
N.I. - NOT ILLUSTRAT :

Warner Gear/Warner-Motive

General Offices, 1106 Eest Seymour Street, Muncie, Indiana 47302 Telephone: 317/284-8411



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AS2-73C 1.50:1 PARTS LIST

NDEX NO.	W. G. PART NO.	DESCRIPTION	NQ. REQ.	INDEX NO.	W. G. PART NO.	DESCRIPTION	
		7/16-14 X 1-1/4 Hex Head Bolt	6	64	3-47A	Clutch Spring	Т
1	179860		6	65	344	Sealing Ring -	
2	103322	7/16 Lockwasher		66	Not Serviced	Bearing Sleeve Bushing (Order Assembly)	
3	L14-1	Reduction Unit Housing		67	73C-A12A	Beering Sleeve & Bushing Assembly	
4	73C-146	Case Rear Gesket		68	179793	1/4-20 X 5/8 Hex Head Bolt	1
5	. 114-1	Reduction Sun Gear	9.	89	103319	1/4 Lockwasher	I
6	L14-140	Reduction Oil Baffle		70	71-4	Valve Cover	
7	477688	7/18-14 X 7/8 Hex Lock Bolt	6		71-14	Valve Cover Gatket	l
8	4765B	Snep Ring	11	71	73C-A244 ①	Valve & Spring Assembly (Items 72,73,74,75,76)	
9	L14-A150	Pinion Cage Assembly	11	N.I.	4821	Snep Ring	
10	L14-2	Reduction Output Shaft	1	72		Valve Spring Betainer	
15	47658	Snep Ring	1	73	71-246	Valve Spring	
16	70C-6	Reduction Ring Geer	1 1	74	\$G-246	Pressure Regulator Velve	
17	4746	Snap Ring	11	75	730-243	Forward & Reverse Gear Transmission Valve	
18	L14-16	Reduction Ring Gear Hub	1	78	730-244		
19	179857	7/16-14 X 7/8 Hex Head Bolt	6	77	4804H	"O" Ring	
20	4822A	Ring Gear Snap Ring	1	78	444864	3/8 Pipe Plug	ł
21	114607	7/18 Lockwesher	6	79	444592	3/4 Pipe Plug	
22	L14-8	Beering Retainer	1	BÓ	71C-A98A	Oil Strainer Assembly	1
23	4745E	Beering Snep Ring	1	81	73C-1A2E 🛈	Output Shaft & Sleeve Assembly	1
24	4775T	Main Shaft Nut	1,1	82	48300 @	Needle Beering	
25	4914	Coupling	1	63	48328 🕦	Thrust Bearing Race	
26	L14.H04-@	011 Seal 1000-044-017	1	84	4840R	Needle Bearing	
27	L14-7	Bearing Retainer	1	85	73C-1A16E 🛈	Input Shaft & Planet Carrier Assembly	1
28	73C-147	Bearing Retainer Gasket	7	86	4897A 🔂	Fump Drive Key	1
29	4920B	Baaring	1	87	73C-6	Ring Gear	l
30	179861	7/16-14 X 1-3/8 Hex Heed Bolt	6	88	4832A	Needle Thrust Bearing Race	
31	103322	7/16 Lockwasher	6	89	48300	Needle Beering	1
32	BOOBAG	Bearing	1	90	48328	Thrust Bearing Race	
33	4804R	"O" Ring	1	91	Not Serviced	Ring Geer Hub Bushing	
35	457 2 T	Plug	. 1	92	73C-A 106A 🚱	Ring Gear Hub & Bushing Assembly	
36	4740A	Breather Assembly	1	93	710-15	Ring Geer Hub Thrust Wesher	
37	10-00-191-002	3/8 Plastic Plug	1	94	4822A	Ring Gear Snap Ring	
37 38	444852	1/8 Pipe Plug	1 +	95	730-71	Reverse Clutch Pressure Plate	
-	0000444864	3/8 Pipe Plug		96	71-97	Pressure Plate Spring	ļ
39		Dipstick Astembly		97	72-A66B	Reverse Clutch Plate, Inner	
40	71-2A195	Poppet Spring		98	72-176	Revene Clutch Plate, Outer	1
41	71-42	5/16 Steel Ball		99	73C-71	Reverse Clutch Pressure Plate	
42	453632	Forward & Reverse Shift Lever		100	4622F	Dowel Pin	1
43	68C-79			101	4840T	Needle Baaring	
44	115729	5/16-24 Hex Nut		102	4805A	Sealing Bing	
45	108579	5/16 Lockwesher		103	71-35	Reverse Clutch Piston	
46	103340	Control Laver Washer	2	104	4806A	Sealing Ring	
47	453595	7/16 Steel Ball	Ť	105	4804G	Seeling Bing	1
48	72M-273	Cooler Check Valve Spring		105	444858	1/4 Pipe Plug	
49	68C-268	Check Valve Spring Retainer		100	444852	1/8 Pipe Piug	
50	68C-269	Check Valve Spring		108	736-8	Transmission Adapter	
51	73C-1A ()	Forward & Reverse Transmission Case	1	1	73C-6	Pump Assembly (Items 109, 110, 112, & 113)	
52	730-140	Oil Baffle 201 Bins Backing Binse	2	N.1. 109	Nat Serviced	Pump Drive Gear (Order Assembly)	
53	73C-52A ①	"O" Ring Backing Plate		110	Not Serviced	Pump Driven Gear (Order Assembly)	
64	3-34	"O" Ring		111	3-61	Pump Gasket	
55	4806R	Seating Ring			Not Serviced	Pump Housing (Order Assembly)	1
56	73C-50A ④	Direct Clutch Cylinder		112		Oit Seel Amembly	
57	4559A	Snep Ring	!!	113	71C-62A	5/16-18 X 1-1/2 Hex Head Bolt	
58	3-46	Sealing Ring		1 114	179822		
59	6-A45 🛈	Clutch Piston & Bell Assembly	1	1	179821	5/16-18 X 1-3/8 Hex Head Bolt Case & Adapter Gasket	
60	3-65 💿	Clutch Plate (steel)	6	115	730-144		
61	5C-A66A ①	Clutch Inner Plate Assembly	6	N.1.	4636KR	Name Plate, For Service	
62	5L-67	Clutch Pressure Plate	1	N.J.	145370	Drive Screw	- 1
63	4751	Snap Ring	1 1	116	4911	3/8-16 X 1-1/4 Cap Screw	

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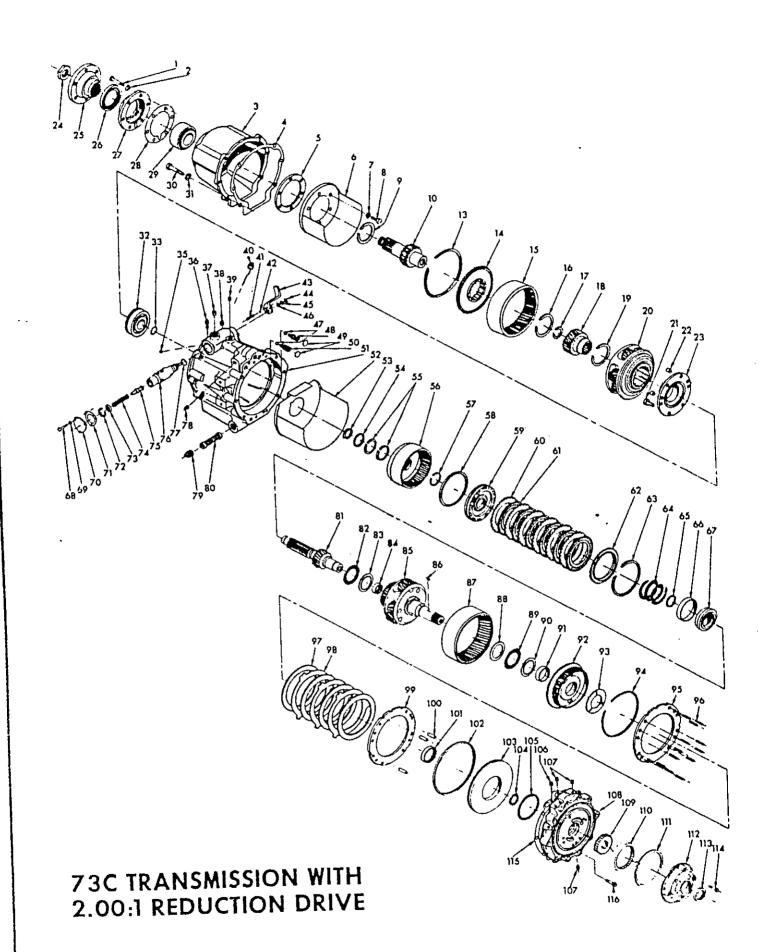
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AS7-73C 2.00:1 PARTS LIST

INDEX.	W. G. PART NO.	DESCRIPTION	NO. REQ.	INDEX NO.	W. G. PART NO.	DESCRIPTION	
1	179860	7/18-14 X 1-1/4 Hex Head Bolt	6	62	5L-67	Clutch Pressure Plate	Ť
2	103322	7/16 Lockwasher	6.	63	4751	Snap Ring	1
3	L14-1	Reduction Unit Housing	Ĭ	64	3-47A	Clutch Spring	1
4	73C-146	Case Rear Gasket	· · ·	65	3-44	Sealing Ring	1
5	L17-141	Oil Baffle Saxer		66	Not Serviced	Bearing Sleeve Bushing (Order Assembly)	
	- 1			67	73C-A12A	Bearing Sleeve & Bushing Assembly	1
6	L14-140	Reduction Oil Baffle	5	68	179793	1/4-20 X 5/8 Hex Head Bolt	ı
2	114607	7/16 Lockwasher	5	8 8	103319	1/4 Lockwaster	
8	179857	7/16-14 X 7/8 Hex Head Bolt	1 1	70	71-4	Valve Cover	
9	47658	Snap Ring Reduction Output Shaft		70	71-14	Valve Cover Gasket	
10	L17-2 4822A	Reduction Output Shaft		N.I.	73C-A244 ①	Valve & Spring Assembly (Items 72,73,74,75,76)	
13	1	Ring Geer Snep Bing		72	4821	Snep Ring	
14	L17-16	Reduction Ring Geer Hub		72	71-246	Valve Spring Retainer	
16	73C-6	Reduction Ring Geer		· -		· · · ·	
16	47658	Snep Ring		74	5G-246	Valve Spring	
17	4746	Snap Ring	1	75	730-243	Pressure Regulator Valve	
18	L17-4	Reduction Sun Gear	1 1	76	730-244	Forward & Reverse Gear Transmission Valve	
19	47658	Snep Ring	1	77	4804H	"O" Ring	
20	L14-A150	Pinion Cage Assembly	1	78	444864	3/8 Pipe Plug	
21	4776BB	7/16-14 X 7/8 Hex Lock Bolt	6	79	444592	3/4 Pipe Piug	
22	141283	Dowet Pin	2	80	71C-A98A	Oil Strainer Assembly	
23	L17-8A	Buaring Retainer	1	81	73C-1A2E ①	Output Shaft & Sierve Assembly	
24	4775T	Main Shaft Nut	1	82	48300 @	Needle Baaring	
25	4914	Coupling	1	83	48328 (1)	Thrust Bearing Race	
26	114-110A	0il Seal 1000-044-017	1	84	48408	Needle Bearing	
27	L14-7	Bearing Retainer	1	85	73C-1A16E 🔞	Input Shaft & Planet Carrier Assembly	
28	73C-147	Bearing Retainer Gasket	1	86	4897A 🛈	Pump Drive Key	
29	49208	Bearing	1	87	73C-6	Ring Gear	
30	179861	7/16-14 X 1-3/8 Hex Head Bolt	6	88	4832A	Needle Thrust Bearing Race	
31	103322	7/16 Lockwasher	6	89	48300	Needle Bearing -	
32	BOOBAG	Bearing	1	90	48328	Thrust Bearing Race	
33	4804R	"O" Ring	1	91	Not Serviced	Ring Gear Hub Bushing (Order Assembly)	
35	4572T	Plug	1	92	73C-A106A 🔞	Ring Gear Hub & Bushing Assembly	
36	4740A	Breather Assembly	1	93	71C-15	Ring Gear Hub Thrust Washer	
37	10-00-191-002	3/8 Plastic Plug	1	94	4822A	Bing Gear Snap Bing	
38	444852	1/8 Pipe Plug	1	95	730-71	Reverse Clutch Pressure Plate	
39	444864	3/8 Pipe Plug	1	96	71-97	Pressure Plate Spring	
40	71-2A195	Diprick Assembly	1	97	72-A668	Reverse Clutch Plate, Inner	
41	71-42	Poopet Spring	1	98	72-176	Reverse Clutch Plate, Outer	
42	453632	5/16 Steel Ball	1	99	736-71	Reverse Clutch Pressure Plate	
43	68C-79	Forward & Reverse Shift Lever	1	100	4622F	Dowel Pin	
44	115729	5/16-24 Hex Nut	1	101	4840T	Needle Bearing	
45	108579	5/16 Lockweiher	1	102	4805A	Sealing Bing	
46	103340	Control Lever Washer		103	71-35	Reverse Clutch Piston	
47	453595	7/16 Steel Ball	2	104	4806A	Sealing Ring	
48	72M-273	Cooler Check Valve Spring		105	4804G	Sealing Ring	
49	68C-268	Check Valve Spring Retainer	2	105	444858	1/4 Pipe Plug	
50	68C-269	Check Valve Spring	1	107	444652	1/8 Pipe Plug	
51	73C-1A (2)	Forward & Reverse Transmission Case	1	108	73C-8	Transmission Adapter	
52	730-140	Oil Baflie	1	N.I.	71C-A60	Pump Assembly (Items 109,110,112 & 113)	
53	73C-52A ()	"O" Aling Backing Plate	2	109	Not Serviced	Pump Drive Gear (Order Assembly)	
54	3-34	"O" Ring		110	Not Serviced	Pump Driven Gear (Order Assembly)	
55	4806R	Stating Ring	t	111	3-61	Front Pump Gasket	
56	73C-50A ()	Direct Clutch Cylinder	1	112 113	Not Serviced 71C-62A	Front Pump Housing (Order Assembly) Oil Seel Assembly	
57	4559A	Soap Ring		114	71C-62A (9) 179822	5/16-18 X 1-1/2 Hex Head Bolt	
58	3-46	Sealing Ring			179821 🕑	5/16-18 X 1-3/8 Hax Head Bolt	
59	6-A45 ()	Clutch Piston & Ball Assembly		115	73C-144	Case & Adapter Gasket	
1	3-65 0	Clutch Plate (Steel)	5	N.I.	4636K R	Service Name Plate	
60				N.C.	145370	Drive Screw	

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NOTES 1-15: SEE PAGE

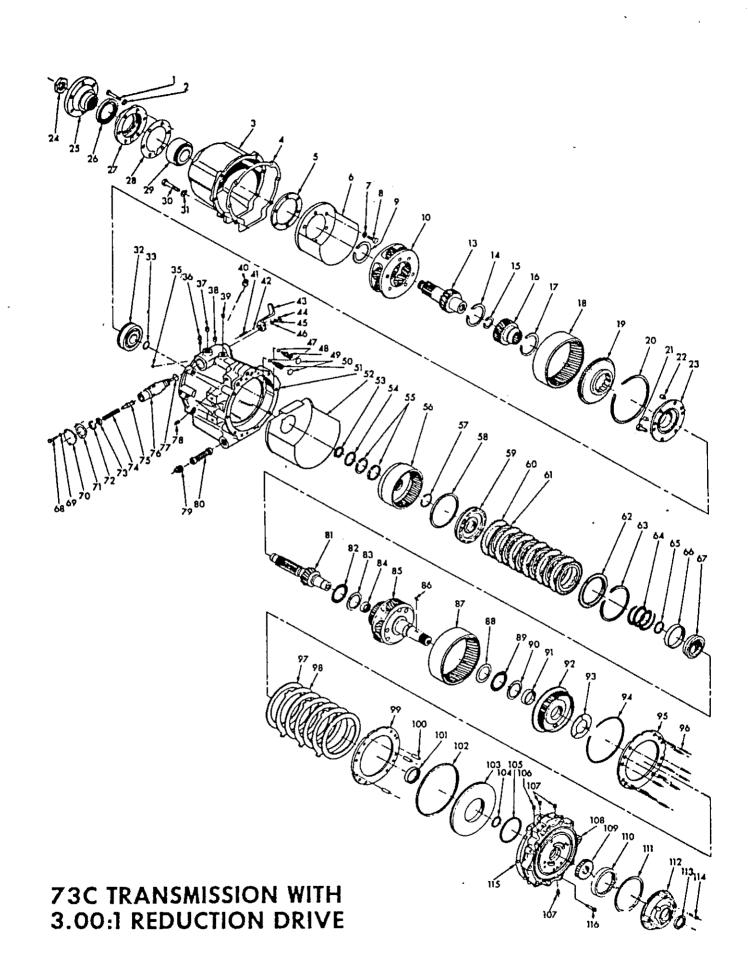
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AS5–73C	3.00:1	PARTS	LIST

INDEX NO.	W. G. PART NO.	DESCRIPTION	NO. REQ.	INDEX NO.	W. G. Part no.	DESCRIPTION	
1	179860	7/16-14 X 1-1/4 Hen Head Bolt	6	67	73C-A12A	Bearing Sleeve & Bushing Assembly	7
2	103322	7/16 Lockwesher	6	59	179793	1/4-20 X 5/8 Hex Head Boll	
-	L141	Reduction Unit Housing		69	103319	1/4 Lockwasher	
4	730-146	Case Rear Gatket	1 1 .	70	71-4	Valve Cover	
	13C-146			71	71-14	Valve Cover Ganket	
5	- }	Oil Baifle Spacer			736-4244	Valve & Spring Assembly Litem 72,73,74,75,767	
6	L14-140	Reduction Oil Beffle		N.I.			
7	114507	7/16 Lockwasher	5	72	4821	Saao Aing	
8	179857	7/16-14 X 7/8 Hex Head Bolt	5	73	71-246	Valve Spring Retainer	
9	47658	Snep Ring	1 1	74	5G-246	Valve Spring	
10	L14-A150	Pinion Cage Assembly	1	75	73C-243	Pressure Regulator Valve	
13	L17-2	Reduction Output Shaft .	1	76	73C-244 🗷	Forward & Reverse Gear Transmission Valve	
14	47658	Snap Ring	11	77	4804H	"O" Ring	
15	4748	Snap Ring	1	78	444864	3/8 Pipe Plug	
16	L17-4A	Reduction Sun Gear	1 1	79	444592	3/4 Pipe Plug	
17	47658	Snap Ring	1 1	80	71C-A98A	Oil Strainer Assembly	
18	73C-6	Reduction Ring Gear		81	73C-1A2E ①	Output Sheft & Sienve Assembly	
		-		82		Needle Bearing	
19	L17-16	Reduction Ring Gear Hub			48300 (9	-	
20	4822A	Ring Gear Snap Ring		83	48328 10	Thrust Bearing Race	j
21	477688	7/16-14 X 7/8 Hex Lock Bolt	6	84	4840R	Needle Searing	ļ
22	141283	Dowel Pin	2	85	73C-1A16E	Input Shaft & Planet Carrier Assembly	
23	L17-8A	Bearing Retainer	1	86	4897A ઉ	Pump Drive Key	
74	47751	Main Shaft Nut	1	87	730-6	Ring Gear	
25	4914	Coupling	1	88	4832A	Needle Thrust Bearing Race	
26	4.14 1304-(3)	0il Seal 1000-044-017	1	89	48300	Needle Bearing	
27	L14-7	Bearing Retainer		90	48328	Thrust Bearing Race	
	1	-		91	Not Serviced	Ring Gear Hub Bushing (Order Assembly)	
28	73C-147	Bearing Retainer Gasket	-	_			
29	49208	Bearing	1	92	73C-A106A (4)	Ring Gear Hub & Bushing Assembly	
30	179861	7/16-14 X 1-3/8 Hex Head Boit	6	93	71C-15	Ring Gear Hub Thrust Washer	
31	103322	7/16 Lockwasher	6	94	4822A	Ring Geer Snap Ring	
32	8308AG	Bearing	11	95	73C-71	Reverse Clutch Pressure Plate	
33	4804R	"O" Aing	1,	96	71-97	Pressure Plate Spring	
35	4572T	Plug	1 1	-97	72-A66B	Reverse Clutch Piete, Inner	1
36	4740A	•		98	72-176	Reverse Clutch Plate, Outer	
		Breather Assembly	F		1	Reverse Clutch Pressure Piete	
37	10-00-191-002	3/8 Plastic Plug		99	730-71		
38	444852	1/8 Pipe Plug	11	100	4622F	Dowel Pin	
39	444864	3/8 Pipe Plug	1	101	4840T	Needla Bearing	ļ
40	71-2A195	Dipstick Assembly	[1	102	4805A	Sealing Ring	
41	71-42	Pappet Spring	1 1	103	71-35	Reverse Clutch Piston	
42	453632	5/16 Steel Ball	1 1	104	4806A	Sealing Ring	
43	68C-79	Forward & Reverse Shift Lever	1 1	105	4804G	Sealing Ring	
44	115729	5/16-24 Hex Nut	1	106	444858	1/4 Pipe Plug	
45	108579	5/16 Lockwasher	1	107	444852	1/8 Pipe Plug	
-	103340			108	736-8	Transmission Adapter	
46		Control Lever Washer					
47	453595	7/16 Steel Ball	2	N.I.	71C-A60 #	Pump Assembly (Items 109,110,112, & 113)	
48	72M-273	Cooler Check Valve Spring	1	109	Not Serviced	Pump Orive Gear (Order Assembly)	
49	68C-268	Check Valve Spring Retainer	2	110	Not Serviced	Pump Driven Gear (Order Assembly)	
50	68C-269	Check Valve Spring	1	111	3-61	Pump Gasket	
51	73C-1A (2)	Forward & Reverse Transmission Case	1	132	Not Serviced	Pump Housing (Order Assembly)	
52	73C-140	Oil Baffle	1 1	113	71C-62A 5	Oil Seal Assembly	
53	73C-52A ①	"O" Ring Backing Plate	2	134	179822	5/16-18 X 1-1/2 Hex Head Bolt	
54	3-34	"O" Ring		1	179821 🔞	5/16-18 X 1-3/8 Hex Hand Bolt	
55	4806R	Sealing Ring	2	115	730-144	Case & Adapter Gasket	
	73C-50A ()		1		1		
56		Direct Clutch Cylinder	1	N.I.	4636KR	Service Name Plate	
57	4559A	Shap Ring		N.1,	145370	Drive Screw	
5 8	3-46	Sealing Ring	1	116	4911	3/8-16 X 1-1/4 Cap Screw	
59	6-A45 🛈	Clutch Piston & Ball Assembly	1	I	1		
60	3-65 🛈	Clutch Plate (Steel)	6	1			i
61	5C-A66A ()	Clutch Inner Plate Assembly	6	l I			i
62	5L-67	Clutch Pressure Plate		1]		
63	4751	Snap Ring		I	ł		
	i i		·	t	ł		1
64	3-47A	Clutch Spring		Į	ł .	•	
65	3-44	Sealing Ring	11	1	ł .		
66	Not Serviced	Bearing Sleeve Bushing (Order Assembly)	1 1		1		

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NOTES 1-15: SEE PAGE 18 .

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1	Bearing Cap		13-08-027-003	2		-			_		⊢	┢	┝	–	_	┝
2	"O" Ring		10-00-141-235	1-2	_						F	┢──	<u> </u>	┝──	÷	Ł
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			13-08-565-011	4		1	-1	1		1	⊢	1	1	1	Ļ	┡
3	V-Drive Case Cover		Order Assembly						-		╋	╋		┢╌	ŧ	┢
4	Expansion Plug		10-00-113-004		_		_			_	┡	┢──	┣	┢	╋	╀
5			· 4853E	8				_			⊢	+	⊢	╉╾╸	┾	╀
6	1 3/16 x 9/16 Spring Pi	in	0009422345	2			_	_	_	┣—	┢	╈	┼	_	┢	╀
7	Taper Pin		0000100360	1			_			<u> </u>	╄	+	╂──	╞━╸	┢──	╀
8	Bearing Cone		10-00-133-002	3			_			_	┺	<u> </u>	┝──	╇╼╾	╞╌	∔
8A	Bearing Cone		10-00-133-004	1					 	ļ_	Ļ	_	<u> </u>	┢	┉	+
9		(29 Teeth)	13-08-144-007	<u> </u>				_			μ	–	╞		╄╤	∔
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		(25 Teeth)	13-08-144-009	1-					<u> </u>		┢	₽	┢	┢╌	┢	÷
·····		(36 Teeth)	13-08-144-010					_		╞╾	╄	╧	Ļ	╄	_	÷
·····		(23 Teeth)	13-08-144-011	+	┝	 		<u> </u>	<u> </u>	⊢	 -	+	11	_	<u>+</u>	╀
	1	(41 Teeth)	13-08-144-012	4	Ļ	!		-	[_	┺	╞	┢	11	╀	+
	Gear	(34 Teeth)	13-08-070-001	4-	1	<u> </u>	ļ		1		┯	+-	–	┢	╄	+
		(39 Teeth)	13-08-070-002	1	ļ_	<u> </u>	 		1	ļ	+	+	_	┶	╞	4
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		(43 Teeth)	13-08-070-004			L	L			1	1	1	<u> </u>	+	┶	1
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10	PART WANGE Bearing Cap ''O'' Ring Case & Cover Assemply V-Drive Case Cover Expansion Plug 7/16-14 x 1-1/4 Hex Head Bolt 3/16 x 9/16 Spring Pin Tager Pin Bearing Cone Bearing Cone Bearing Cone Case Tore (29 Teeth) Sprocket (23 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (24 Teeth) (25 Teeth) (27 Teeth) Sprocket (29 Teeth) (27 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (25 Teeth) (25 Teeth) (27 Teeth) (27 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (23 Teeth) (25 Teeth) (25 Teeth) (27 Teeth) (25 Teeth) (26 Teeth) (27 The Case (29 Teeth) (20 Teeth) (27 The Case (29 Teeth) (20 Teeth) (27 The Case (29 Teeth) (20 Teeth) (27 The Case (29 Teeth) (20 Teeth) (20 Teeth) (20 Teeth) (20 Teeth) (21 Teeth) (22 Teeth) (23 Teeth) (24 Teeth) (25 Teeth) (25 Teeth) (25 Teeth) (26 Teeth) (27 The Case State (27 The Case (27 The Case State (27 The Case State (27 The Case (28 Teeth) (28 Teeth) (28 Teeth) (2	13-08-143-003	1		1			Γ		1	T1	Γ	Γ	_	ij	
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11			10-00-133-001	3	<u> </u>	1		1	—	1	T	T	Т	Т	T	T
12			10-00-133-003	11	1		1			1	T	Т	T	T	Т	Т
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24			0000100360			- -	+			+	╋		+-	+	+	-
25	Roller Searing		10-00-134-001			+	+-	-			╉	+	-+-	+	-+	
26			T86-7-1/2			+			_		╉	+	-+-	┿	+	_
27	3/8-24 x 7/8 Cap Sc	rew	10-00-183-007		2	÷	+			+	+	┷╊	┿	+	+	
28	1/4-20 x 1/2 Machir	ne Screw Assembly	0000188448	1	2	+-	╉	+-	+	+	ᆉ	-+-		+	╺╴┼╴	-
29	Oil Baffle		13-08-036-001		11	11	11	+	4	ЧĽ	1	1	。╋	ᆉ	┽	1
	Chain Baffle		13-08-036-003	_ _	_				╺┝	_+-	+	4	ᆠ	4	ᆠ	<u>-</u>
30	Keeper		13-08-014-001	_		_	_	+	_		4	╇	+	4-	╇	_
31	Bearing Inner Race-	Part of Item 25	Order Assembly	1		_	1	╌┞╴	_	_	4	-+	_+-	+	_+	_
32			13-08-030-002								_			4		_
33			13-08-171-001					T	Ī					_	_	_
34	and the second se		13-08-037-002	<u> </u>			T			T				$ \downarrow $		_
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			13-08-037-009	_					1			T	Τ		T	_
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36			13-08-045-003	_	il	╈	+	+	Ť	-†-	+	-+	-†	1	-	-
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38	Bearing Cap	(36 Teeth) (23 Teeth) (41 Teeth) (39 Teeth) (30 Teeth) (30 Teeth) (43 Teeth) (43 Teeth) (43 Teeth) (43 Teeth) (47 Teeth) (47 Teeth) (47 Teeth) (9 Teeth) (17 Teeth) (18 Teeth) (19 Teeth) (19 Teeth) (10 Teeth) (17 Teeth) (18 Teeth) (19 Teeth) (13 Teeth) (14 Teeth) (15 Lockwasher <t< td=""><td></td><td><u>.</u></td><td></td><td>+</td><td>┿</td><td>+</td><td>+</td><td>┿</td><td>+</td><td>+</td><td>-+</td><td>-+</td><td>-</td></t<>			<u>.</u>		+	┿	+	+	┿	+	+	-+	-+	-
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	1 Ourout Shaft Nut		47750	-+		<u> </u>		÷+-;	.	-+-	╦╋	-+-		-+-	-+	
41 N.I.			10-08-053-001													

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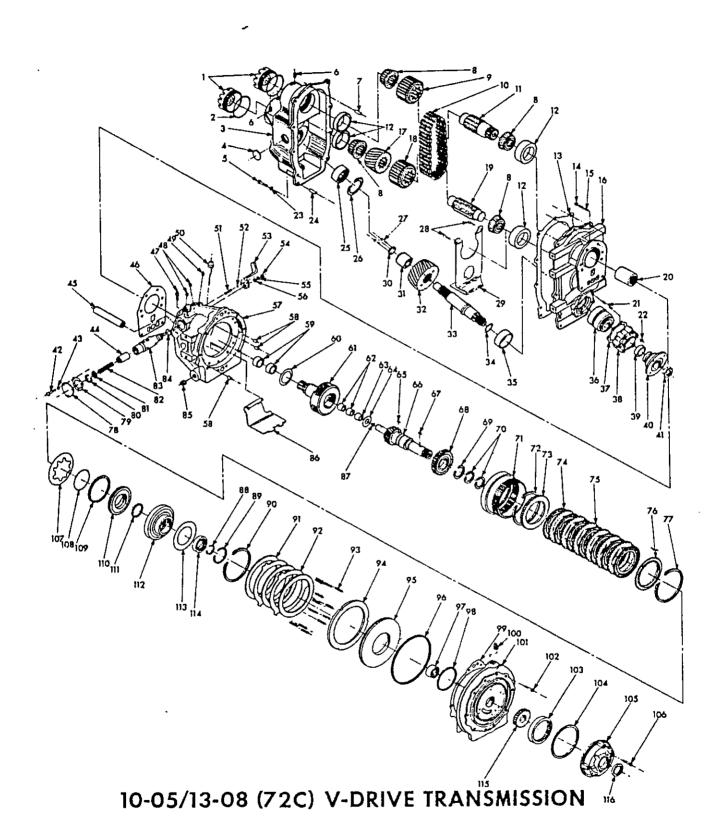
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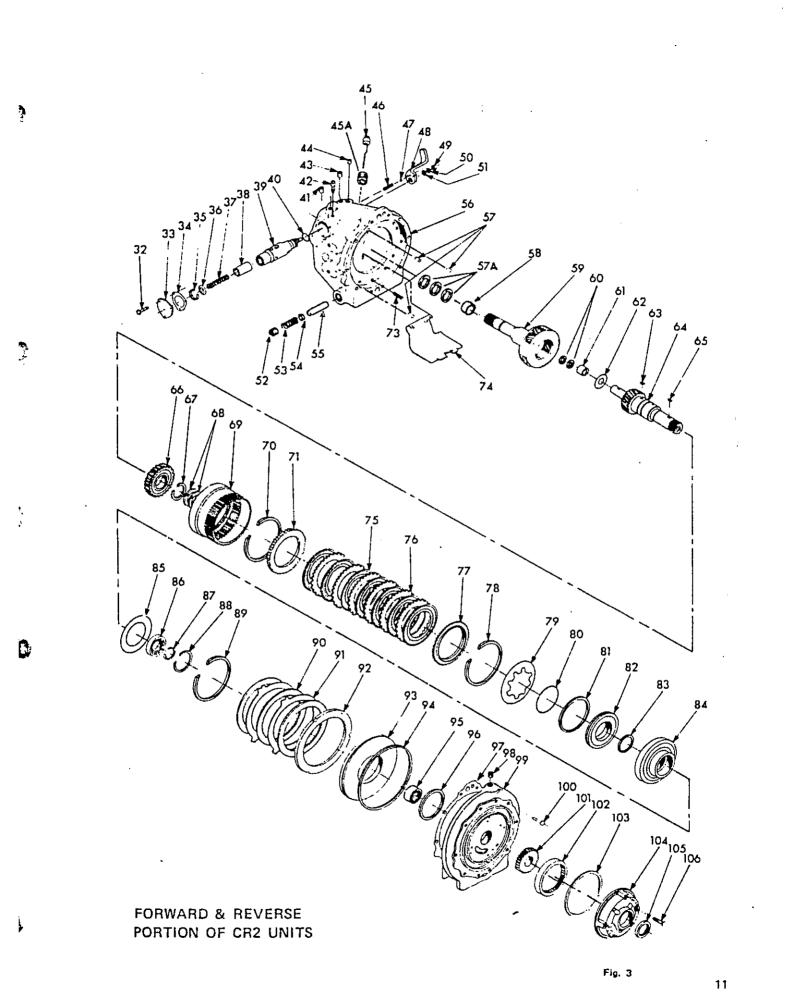
10-04 & 10-05 FORWARD & REVERSE TRANSMISSION PARTS LIST

NDEX NO,	W.G. PART NO.	DECRIPTION	NO, REO	NDEX NO.	W.G. PART NO.	DESCRIPTION	RE
42	0000179793	1/4-20 x 5/8 Hex Head Bolt	3	83	71-244A	Forward & Rev. Gear Trans, Valve	\uparrow
	0000179791	1/4-20 x 1/2 Hex Head Bolt	3	84	4804H	"O" Ring	
43	0000103319	1/4 Lockwasher-not used with 1/2	!	85	0000444581	3/8-18 Pipe Plug	
		balt		86	71-140	Baffle-No Longer Used	
44	71-243	Pressure Regulator Valve	1	87.	4572D	3/8 Taper Plug	L
45	10-04-034-001	Suction Tube (10-04 Only)	1	88	4734	Snap Ring (10-04 Only)	E
	10-05-034-001	Suction Tube (10-05 Only)	1		4766B	Snap Ring (10-05 Only)	1
46	13-08-045-002	Transmission to V-Drive Gasket		89	R6A-7-1/2	Snap Ring (10-04 Only)	
47	A4740G	Breather Assembly		03	4559A		
			;			Snap Ring (10-05 Only)	1
48	0000444866	3/8-18 Dryseal Plug		90	4822	Ring Gear Snap Bing	1
49	0000444687	1/8-27 Dryseal Plug		91	72-A668	Rev. Clutch Plate Ass'y, (10-04 Only)	
50	71-2A195	Dipstick Assembly	1			(10-05 Only)	1
N.J.	10-06-659-001	Dipstick	1	92	72-175	Outer Clutch Plate (10-04 Only)	
N.I.	10-04-034-002	Tube	1	1		(10-05 Only)	
51	71-42	Poppet Spring	111	93	71-97	Pressure Plate Spring	
52	0000453632	5/16 Steel Ball		94	71-71	Reverse Clutch Pressure Plate	
53	71-79B	Forward & Reverse Shift Lever					
1				95	71-35	Reverse Clutch Piston	1
54	0000115729	5/16-24 Hex Nut		96	4805A	Sealing Ring	1
55	0000108579	5/16 Lockwasher		97	4840D	Needle Bearing	1
56	0000103340	Control Lever Washer	1	98	4804G	Sealing Ring	1
57	10-04-565-003	Trans, Case & Bushing Ass'y.	1	99	71-1448	Case & Adapter Gasket	1
		(10-04 Only)	1	100	0000444858	1/4 Pipe Plug	1
•	10-05-565-003	Trans, Case & Bushing Ass'y.	1	101	71C-8	Forward & Reverse Adapter	1
	10-00-200-000	(10-05 Only)	1			•	1
	BC 177			102	4911	3/8-16 x 1-1/4 Cap Screw	
58 [R6-177	Dowel Pin (10-04 Only)	3	N.I.	71C-A60	Pump Ass'y. (Includes items 103, 105	
	4622E	Dowel Pin (10-05 Only)	3			115 & 116)	
59	Kit A4867VV	Output Shaft Bushing (Two in Kit)	1	103	OrderAss'y.	Pump Driven Gear	
60	71-159	Thrust Washer	1	104	3-61	Pump Gasket	1
61 l	71-1A2A	Pinion Cage & Output Shaft	t 1	105	Order Ass'y,	Front Pump Housing	
~ 1	•	Assembly (10-04 Only)	1	106	10-00-183-021	5/16-18 x 1-3/8 Hex Head Bolt	1
	72-1A2A	Pinion Cage & Output Shaft	! ·				
	72-1AZA	- ·		107	3-37	Clutch Spring	
		Assembly (10-05 Only)	1	108	5C-33	Clutch Spring Bearing Ring	
62	Kit A4867DD	Main Drive Gear Bushing	2	109	5L-36	Clutch Ring *	1
63		Main Drive Gear Bushing	-	110	71-45	Forward Clutch Piston •	
64]	71-17	Clutch Hub Thrust Washer	1 1	1111	5M-122	Sealing Ring	
65	0000218211	Woodruff Ket (10-04 Only)	1 1 1	112	71-70	Forward Clutch Cylinder (10-04 Only)	ł
	0000124553	Woodruff Key (10-05 Only)		1	72-70	Forward Clutch Cylinder (10-05 Only)	
66	71C-3A16	Drive Gear & Plug Assembly	'				
00	110-3410			113	71-15B	Thrust Washer	
	•	(Includes 87)(10-04 Only)	1 1	114	B107A	Bearing (10-04 Only)	
	72C-2A16	Drive Gear & Plug Assembly			B108A	Bearing (10-05 Only)	
1		(Includes 87)(10-05 Only)	1	115	Order Ass'y.	Pump Drive Gear	
67	4873	Woodruff Key	1	116	71C-62A	Oil Seal Assembly	
68	71-40	Forward Clutch Hub (10-04 Only)	1	1			
	72-40	Forward Clutch Hub (10-05 Only)	1	1	•		
69	4495	Snap Ring	i	1			
70	4806J	Sealing Ring	2	1			
71	71-6		📫				
/ 1	-	Ring Gear (10-04 Only)	!			•	
	72-6	Ring Gear (10-05 Only)	1	1			
72	[.	Snap Ring, Selective					
	4768	.050054 Green 10-05	1 1				
1	4768A	.074078 Orange > Only	1 1				
	47688	.096100 White	1 1				
73	51.67	Clutch Pressure Plate	1 1				
74	5C-A66A	Clutch Inner Ass'y, (10-04 Only)	5				1
		(10-05 Only)	7)	
76	3 176						4
75	3-176	Clutch Plate (10-04 Only)	4				1
		(10-05 Only)	6				1
76	5C-175A	Clutch Pressure Plate	1				
77	4755	Clutch Spring Snap Ring	1	4			1
78	71-4	Valve Cover	11	1			
79	71-14	Valve Cover Gasket	1 1				1
80	4821	Snap Ring					1
			1:1			•	
81	71-246	Valve Spring Retainer	!				1
							T
82 N.I.	71-242 71-A244A	Valve Spring . Forward & Reverse Trans, Ass'y.	1				- 1

N.I.-NOT ILLUSTRATED

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44.

PARTS LIST FOR FORWARD & REVERSE PORTION OF CR2 UNITS

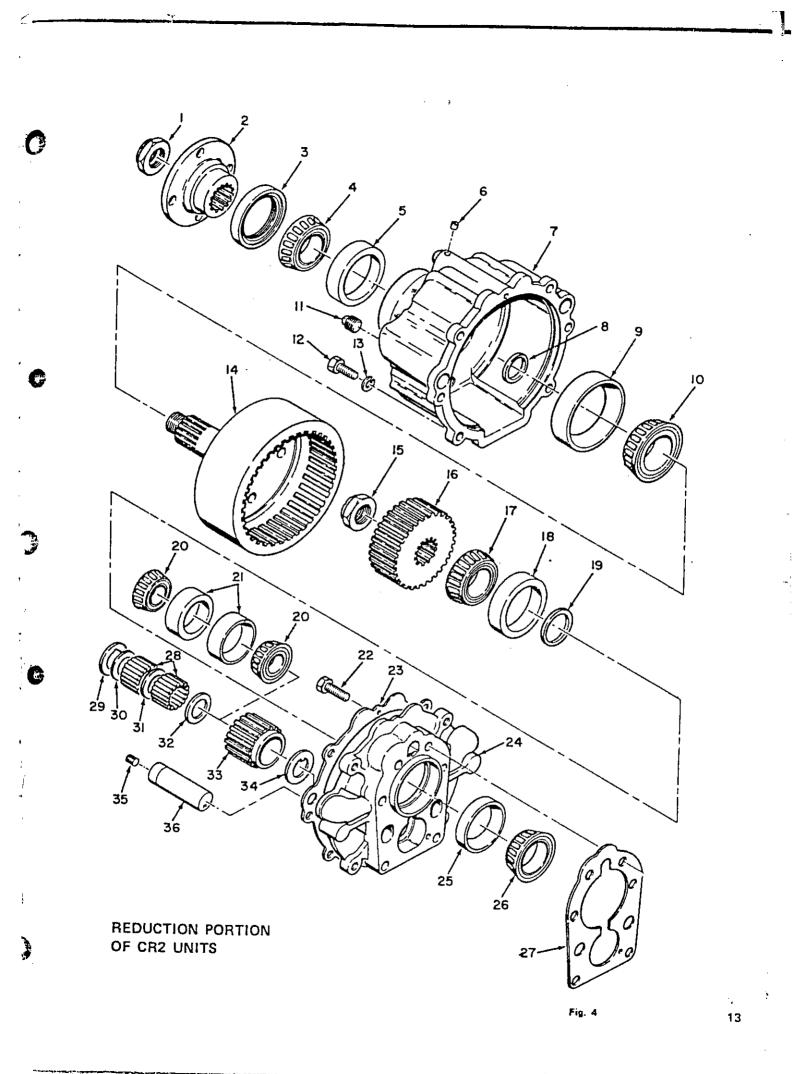
			NO. REQ.		SI			[NO.	CINITS	Terms/
INDEX NO.	PART NUMBER	PART DESCRIPTION		2.0 13	10.14	INDEX	PART NUMBER	PART DESCRIPTION			
NO. 32 33 34 N1 35 36 37 38 39 40 41 42 43 44 45 45 45 45 45 50 51 52 53 54 55 56 57	NUMBER 0000179791 71-4 71-14 10-05-739-001 4821 71-246 72N-242 71-243 10-05-239-001 4804H N.S.S.* A4740G 0000444866 0000444867 10-13-559-001 10-04-034-002 71-42 0000453632 71-798 0000115729 0000108579 0000108579 0000108579 0000108579 0000108579 0000108579 0000108579 0000108579 000010340 4858 5L-222 35-143 72C-98 10-13-565-003 10-14-565-002 R6-177 4622E 4806J 10-00-132-003 10-13-659-003 10-13-659-003 10-13-659-003 10-13-659-003 10-13-655-003 10-14-655-002 71-17 0000124553 0000218211 10-04-665-002 72-A6 10-05-665-001 4873 71-40	1/4-20 x 5/8 Hex Head Bolt- Valve Cover Valve Cover Gasket (1) Valve & Spring Assembly Snap Ring (2) Valve Spring Retainer Valve Spring Retainer Valve Spring Retainer Valve Spring Retainer Valve Spring Retainer Valve Spring Plug Breather 3/8-16 Dryseal Plug Dipstick Shipping Plug Breather 3/8-16 Dryseal Plug Dipstick Assembly Dipstick Assembly Dipstick Assembly Dipstick Tube Poppet Spring (2) 5/16 Steel Ball Shift Lever 5/16-24 Hex Nut 5/16 Lockwasher Washer Bushing Spring Flat Washer Pump Inlet Shield Case & Magnet Assembly Case & Magnet Assembly Dowel Pin Dowel Pin Dowel Pin Dowel Pin Sealing Ring (1) Needle Bearing Planet Carrier Assembly Sealing Ring (1) Needle Bearing Thrust Washer Woodruff Key Sun Gear & Clutch Assembly Drive Gear & Plug Assembly Drive Gear & Plug Assembly No. 9 Woodruff Key Forward Clutch Hub			311111111111111111111111111111111111111	SLIND INDEX NO. 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 NI 1001 102 103 104 NI		<u> </u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		STIMUTS
67 68 69 70 71 73 74 75 76 77	72-40 4495 4806J 72-6 71-6 4768 4768A 4768B 5L-67 71-97 71-140 5C-A66A 3-176 5C-175A	Forward Clutch Hub Snap Ring (2) Sealing Rings (1) Ring Gear Ring Gear Snap Ring - Selective (2) Snap Ring - Selective (2) Snap Ring - Selective (2) Pressure Plate Pressure Plate Pressure Plate Clutch Inner Plate Clutch Outer Plate Pressure Plate	1	1 2 1 1 2 1 5 4 1	1 1 2 1 1 1 1 2 1 1 7 6 1						

*N.S.S. - NOT SERVICE SEPARATELY

(1) - THESE PARTS AVAILABLE GASKET & SEAL KIT NO. 10-13-410-001

(2) - THESE PARTS AVAILABLE SMALL PARTS KIT NO. 10-13-410-002

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PARTS LIST FOR REDUCTION OF CR2 UNITS

DEX	W.G. PART NO.	DESCRIPTION	NO. REQ.	INDEX NO.	W.G. PART NO.	DESCRIPTION	R
1	47750	Coupling Nut	1	20	10-00-133-012	Bearing Cone used in -006 units	
2	10-00-031-001	Coupling	1		10-00-133-014	Bearing Cone used in -008 units	
3	10-00-044-003	Qil Seal (2)	1	21	10-00-133-011	Bearing Cup used in -006 units	1
		Bearing Cone	1		10-00-133-013	Bearing Cup used in -008 units	
4		Bearing Cup	1	22	10-00-183-023	7/16-14 Hex. Soc. Head Screw	
5	· · · · · · ·	-	1	23	10-13-045-002	Gaskets (2)	
6	4572W	Plug	1			Adapter for -002 units	1
7	10-13-565-002	Housing & Plug Assembly	1	24 ·	10-13-172-001	Adapter for -002 tints	1
8		Selective Space: (.205 inch thick) (3)	11		10-13-172-002		
ļ	10-13-053-005	Selective Spacer (.207 inch thick)	{1	i	10-13-172-003	Adapter for -004 units	1
	10-13-053-006	Selective Spacer (.209 inch thick)	1		10-13-172-004	Adapter for -063 & -010 units	Ì
	10-13-053-007	Selective Spacer (.211 inch thick)	1		10-13-172-005	Adapter for -006 units	
	10-13-053-008	Salective Spacer (.213 inch thick)	1		10-13-172-006	Adapter for -005 & 011 units	1
		Selective Spacer (.214 inch thick)	1 1	11	10-13-172-007	Adapter for -008 units	ł
		Selective Spacer (.216 inch thick)	11		10-13-172-008	Adapter for -007 & -012 units	-1
				25	10-00-133-015	Bearing Cup	ļ
	16-13-053-011	Selective Spacez (.218 inch thick)		I	1	1	
	10-13-053-012	Selective Spaner (.220 inch thick)		26	10-00-133-016	Bearing Cone	1
9	10-13-133-005	Rearing Cup	1	27	10-13-045-001	Gasket (2)	
10	10-13-133-006	Searing Cone	1	28	10-00-131-003	Needle Roller (1)	
11	0000444391	Pipe Plug	1	29	10-13-193-001	Thrust Washer - used in -002 units	
12	0000179861	7/16-14 x 1-3/8 Hex Head Bolt	6		10-13-193-002	Thrust Washer - used in -004 units	1
	00001/3881	7/16 Lockwasher	6	30	10-13-053-003	Spacer - used in -002 units	
13		Ring Gear & Output Shaft for -002, 4, 6,	Ĩ	~	10-13-053-004	Spacer - used in -004 units	1
14	10-13-171-091			1		Spacer - used in -002 units	
		8, 9, 10, 11 & 12 units	1	31	10-13-053-003		
	10-13-171-002	Ring Gear & Output Sheft for -001, 3,			10-13-053-004	Spacer - used in -004 units	-1
		5 & 7 units	11	32	10-13-053-003	Spacer - used in -002 units	i
15	47750	1-20 Thin Hex Nut	15	1	10-13-053-004	Spacer - used in -004 units	
16	10-13-070-001	Drive Gear for -001 units	1	1 33	10-13-084-001	Idler Gear - used in -002 units	
10	10-13-070-001	50 teeth 2 grooves	1		10-13-084-002	Idler Gear - used in -004 units	
		· · ·	1'	{	10-13-084-003	Idler Gear - used in -006 units	
	10-13-070-002	Drive Gear for -002 units			1	Idler Gear - used in -008 units	
	1	50 testh 1 groovs	1	11	10-13-084-004		
	10-13-670-003	Drive Gear for -603 units	1	34	10-13-193-001	Thrust Washer - used in -002 units	
	ļ	39 teech 2 grooves	1		10-13-193-002		
	10-13-070-004	Drive Gear for -004 units	Į		10-13-037-005		
		39 teeth 1 groove	11		10-13-037-006	Selective Spacer (.068 inch thick)	
		Drive Gear for -005 units	1	! 	10-13-037-007	Selective Spacer (.070 inch thick)	
	10-13-070-005	_	1.	1	10-13-037-008		
		32 teeth 2 grooves	[1	11	10-13-037-009		
	10-13-070-006	Drive Gear for -006 units	1	11	1		
	1	32 teeth 1 groove	1	11	10-13-037-010		
	10-13 070-007	Drive Gear for -007 units	1	11	10-13-027-011	• • • • • •	
		27 teeth 2 grooves	1 1		10-13-037-012		
	10-13-070-008	Drive Gear for -008 units		35	0000138887	5/8-18 x 5/8 Soc. Hd. Set Screw-	
	10-13-070-008	27 teeth 1 groove	1	11	1	used on -006 & -003 units	
			1.	1	10-13-068-001	Idler Shaft used in -002 units	
	10-13-070-009	Drive Gear for -009 units	Ι_	26		1	
	1	50 teeth 3 grooves	1 T		10-13-068-002		
	10-13-070-010	Drive Gear for -010 units	ł	1	10-13-068-004	Idler Shaft used in -006 & -008 units	
		39 teeth 3 grooves	1				
	10-13-070-011	Drive Gear for -011 units	1	1		{	
		32 teeth 3 grooves	1 1				
	10 10 000 000		1			1	
	10-13-070-012		1				
	1	27 teeth 3 grooves		11	1		
17	10-00-133-004	Beering Cone	1		1	•	
18	10-00-133-003	Bearing Cup	1		1		
19	10-13-053-005		1	11	1	1	
	10-13-053-006		1				
	1		1				
	10-13-053-007			11			
	10-13-053-008				1		
	10-13-053-009	Selective Spacer (.214 inch thick)	1			i	
	10-13-053-010	Selective Spacer (.216 inch thick)	1		1	1	
	10-13-053-011		1		-		
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(1) 34 required for -002 units and 52 required for -004 units.

(2) These parts are available in Kit No. 10-13-410-001

(3) Thickness given is approximate for ordering parts and may not be exact.