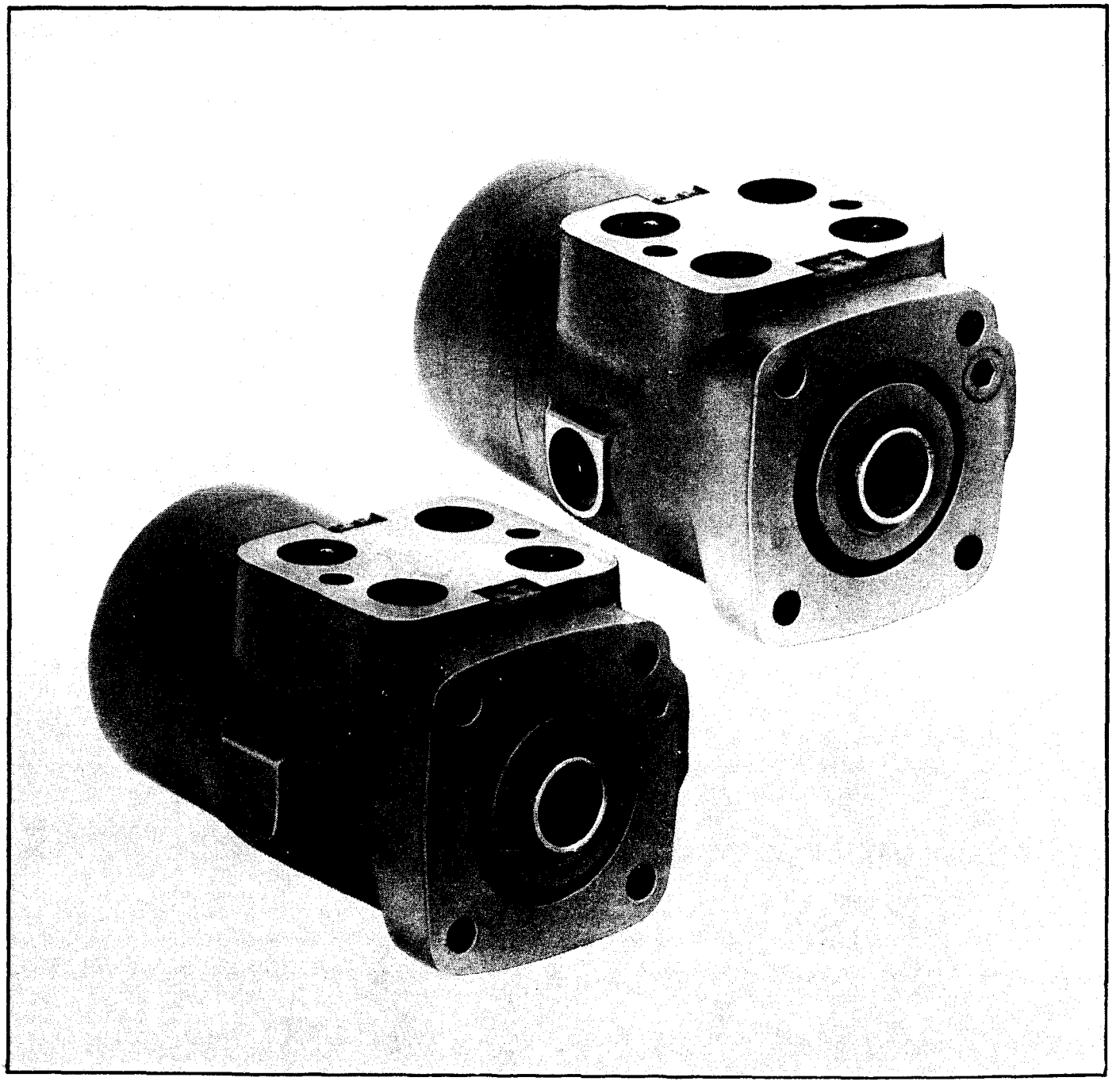
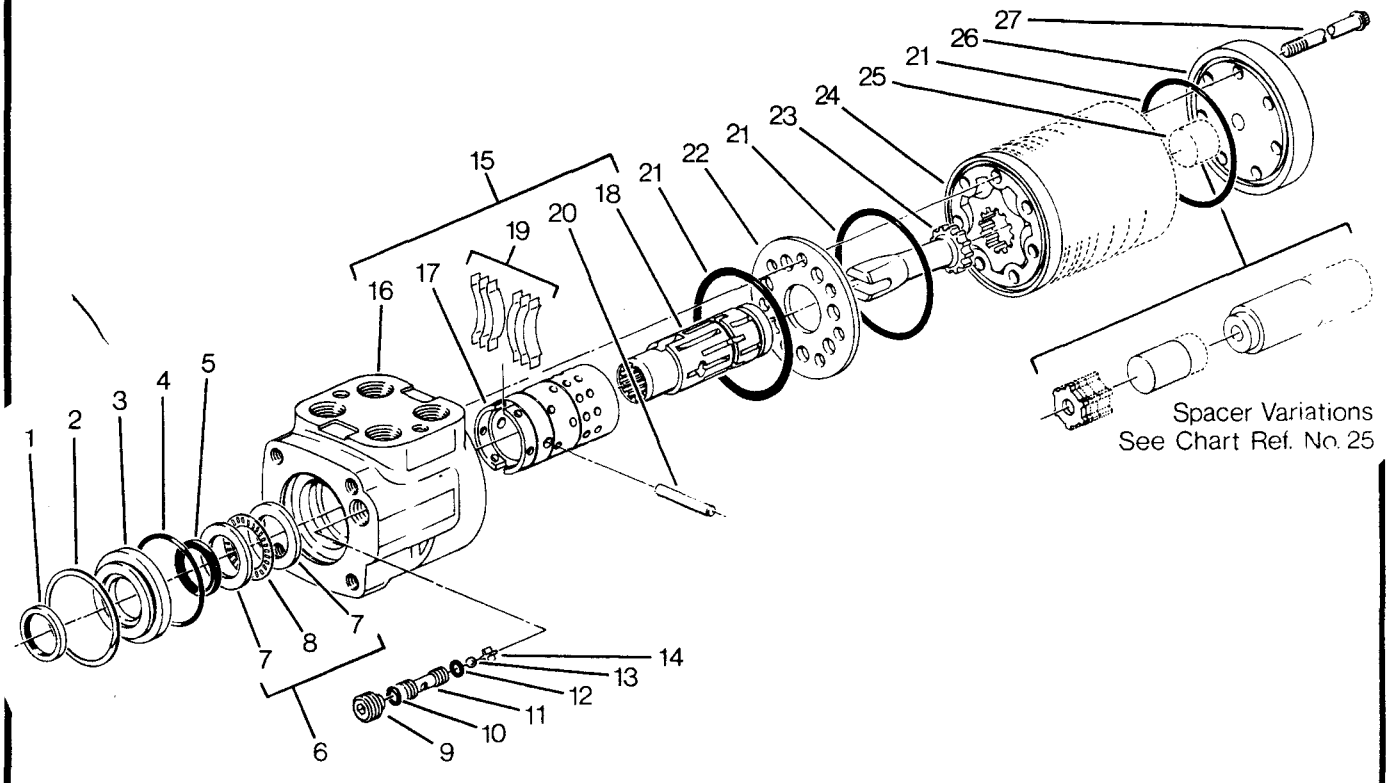
NO. 6-317

Char-Lynn®
Parts Information
Steering Control Units



EATON Fluid Power Products

PARTS DRAWING



**Displ. cu. in/rev.	Ref. No. 24 Gerotor Set		Ref. No. 25 Spacer		Ref. No. 27 Cap Screw	
	No.	Width	No.	Length	No.	Length
4.5	8436-2	.375"	None	None	5389-9	1.375"
6.2	8436-3	.520"	6901-9	.140"	5389-1	1.500"
7.4	8436-9	.625"	6901-10	.240"	5389-2	1.625"
10.2	8436-4	.863"	6901-3	.480"	5389-10	1.875"
11.9	8436-5	1.000"	6901-3 and 6901-9	.480" .140"	5389-15	2.000"
14.8	8436-6	1.250"	6901-11	.865"	5389-5	2.250"
17.8	8436-7	1.500"	20642	1.120"	5389-6	2.500"
23.8	8436-8	2.000"	5178	1.620"	5389-14	3.000"
29.7	8436-10	2.500"	8352-1	2.113"	5389-13	3.500"
35.6	8436-11	3.000"	8352-2	2.613"	5389-12	4.000"
47.5	8436-12	4.000"	8352-3	3.613"	5389-11	4.938"

**See page 4 for product number cross reference list.

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Item		Part Number	Description	Qty. Per Unit	Recommended Spare Parts Per 100 Units
X	1	844	Seal, 1-1/4" OD x 1" ID	1	
	2	14317	Ring, Retaining	1	10
	3	7443	Bushing, Seal Gland	1	5
X	4	15074	Seal, 2-1/8" OD x 1/8" CS	1	
X	5	20599	Seal, Quad Ring 1-5/16" OD x 1/8" CS	1	
	6	64009	Needle Bearing Kit	1	3
	7	8329	Race, Bearing	2	
	8	5544	Bearing, Needle Thrust	1	
	9	14380	Screw, Set	1	2
X	10	15007	Seal, 1/2" OD x 1/16" CS	1	
	11	8318	Seat, Check Ball	1	2
X	12	15006	Seal, 7/16" OD x 1/16" CS	1	
	13	18001	Ball, Check	1	2
	14	6862	Retainer, Check Ball	1	2
	15	*	Control Parts Assembly	1	3
	16	NSS	Housing	1	
	17	NSS	Sleeve, Control	1	
	18	NSS	Spool, Control	1	
	19	370	Spring, Centering	6	1 Multi-Pak Kit 64501
	20	15	Pin, Centering	1	3
X	21	9086-2	Seal	3	
	22	7970	Plate, Spacer	1	2
	23	5126	Drive	1	3
	24	*	Gerotor	1	2 for ea. displ.
	25	*	Spacer(s)	*	2 for ea. displ.
	26	8438	Cap, End	1	2
	27	*	Screw, Cap	7	21 for ea. displ.
X		64418	Seal Kit——Contains Parts Indicated by X.		10

***— See chart on this page, and on opposite page, for information on specific models.**

NSS— Not Sold Separately
Items 16, 17, and 18 are sold only as part of Control Parts Assembly (Item 15).

Control Parts Ass'y Numbers

System	Load Circuit	Product Number	Control Parts Ass'y	Rated Flow
Open Center	Non Load Reaction	211-1001-001 thru 211-1003-001	8331	2-4 GPM
		211-1007-001 thru 211-1008-001	8529	4-8 GPM
		211-1009-001 thru 211-1013-001	8334	
		211-1037-001 thru 211-1041-001	8336	8-16 GPM
	Load Reaction	211-1047-001 thru 211-1052-001	8340	4-8 GPM
Closed Center	Non Load Reaction	212-1001-001 thru 212-1008-001	8342	12 GPM
		212-1014-001 thru 212-1017-001	8343	16 GPM
	Load Reaction	212-1018-001 thru 212-1020-001	8346	8 GPM
		212-1021-001 thru 212-1024-001	8344	6 GPM
Load Sensing	Non Load Reaction	213-1001-001 thru 213-1007 001	8347	6 GPM
		213-1012-001 thru 213-1016 001	8348	12 GPM

Item		Part Number	Description	Qty. Per Unit	Recommended Spare Parts Per 100 Units
X	1	844	Seal, 1-1/4" OD x 1" ID	1	
	2	14317	Ring, Retaining	1	10
	3	7443	Bushing, Seal Gland	1	5
X	4	15074	Seal, 2-1/8" OD x 1/8" CS	1	
X	5	20599	Seal, Quad Ring 1-5/16" OD x 1/8" CS	1	
	6	64009	Needle Bearing Kit	1	3
	7	8329	Race, Bearing	2	
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	9	14380	Screw, Set	1	2
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	11	8318	Seat, Check Ball	1	2
X	12	15006	Seal, 7/16" OD x 1/16" CS	1	
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	15	*	Control Parts Assembly	1	3
	16	NSS	Housing	1	
	17	NSS	Sleeve, Control	1	
	18	NSS	Spool, Control	1	
	19	370	Spring, Centering	6	1 Multi-Pak Kit 64501
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X	21	9086-2	Seal	3	
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	23	5126	Drive	1	3
	24	*	Gerotor	1	2 for ea. displ.
	25	*	Spacer(s)	*	2 for ea. displ.
	26	8438	Cap, End	1	2
	27	*	Screw, Cap	7	21 for ea. displ.
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***— See chart on this page, and on opposite page, for information on specific models.**

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Control Parts Ass'y Numbers

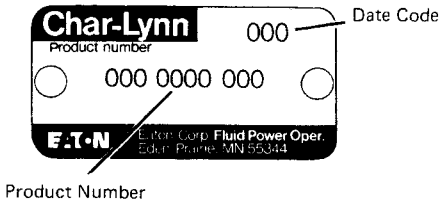
System	Load Circuit	Product Number	Control Parts Ass'y	Rated Flow
Open Center	Non Load Reaction	211-1001-001 thru 211-1003-001	8331	2-4 GPM
		211-1007-001 thru 211-1008-001	8529	4-8 GPM
		211-1009-001 thru 211-1013-001	8334	
		211-1037-001 thru 211-1041-001	8336	8-16 GPM
	Load Reaction	211-1047-001 thru 211-1052-001	8340	4-8 GPM
Closed Center	Non Load Reaction	212-1001-001 thru 212-1008-001	8342	12 GPM
		212-1014-001 thru 212-1017-001	8343	16 GPM
	Load Reaction	212-1018-001 thru 212-1020-001	8346	8 GPM
		212-1021-001 thru 212-1024-001	8344	6 GPM
Load Sensing	Non Load Reaction	213-1001-001 thru 213-1007 001	8347	6 GPM
		213-1012-001 thru 213-1016 001	8348	12 GPM

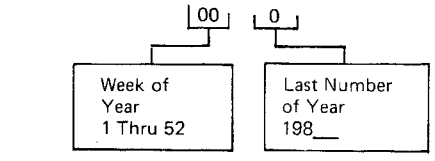
CHAR-LYNN®
PARTS INFORMATION
STEERING CONTROL UNITS
NO. 6-317

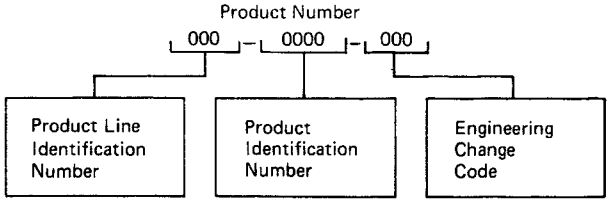
HOW TO ORDER REPLACEMENT PARTS

EACH ORDER MUST INCLUDE THE FOLLOWING:

1. Product Number
2. Date Code
3. Part Name
4. Part Number
5. Quantity of Parts







System	Load Circuit	Product Number	Displacement (cu. in./rev.)	External Configuration	Rated * Flow	Port Size
Open Center	Non Load Reaction	211-1001 211-1002 211-1003	4.5 6.2 7.4	Standard	2-4 GPM	9/16-18 O-ring Boss
		211-1007 211-1008 211-1009 211-1010 211-1011 211-1012 211-1013	4.5 6.2 7.4 10.2 11.9 14.8 17.8	Standard	4-8 GPM	3/4-16 O-ring Boss
		211-1037 211-1038 211-1039 211-1040 211-1041	17.8 23.8 29.7 35.6 47.5	Standard	8-16 GPM	
	Load Reaction	211-1047 211-1048 211-1049 211-1050 211-1051 211-1052	4.5 6.2 7.4 10.2 11.9 14.8	Standard	4-8 GPM	
Closed Center	Non Load Reaction	212-1001 212-1002 212-1003 212-1004 212-1005 212-1006 212-1007 212-1008	4.5 6.2 7.4 10.2 11.9 14.8 17.8 23.8	Standard	12 GPM	3/4-16 O-ring Boss
		212-1014 212-1015 212-1016 212-1017	23.8 29.7 35.6 47.5	Standard	16 GPM	
	Load Reaction	212-1018 212-1019 212-1020	10.2 11.9 14.8	Standard	8 GPM	
		212-1021 212-1022 212-1023 212-1024	4.5 6.2 7.4 10.2	Standard	6 GPM	9/16-18 O-ring Boss
Load Sensing	Non Load Reaction	213-1001 213-1002 213-1003 213-1004 213-1005 213-1006 213-1007	4.5 6.2 7.4 10.2 11.9 14.8 17.8	Standard	6 GPM	3/4-16 O-ring Boss with 7/16-20 Side Port
		213-1012 213-1013 213-1014 213-1015 213-1016	17.8 23.8 29.7 35.6 47.5	Standard	12 GPM	

Other models available on special order – consult factory

* For closed center unit, rated flow is measured at 1000 PSI pressure drop at full valve deflection. For load sensing unit, rated flow is designed for 65 PSI pressure drop between inlet (P) and load sensing (LS) port at full valve deflection.

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EATON Fluid Power Products

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