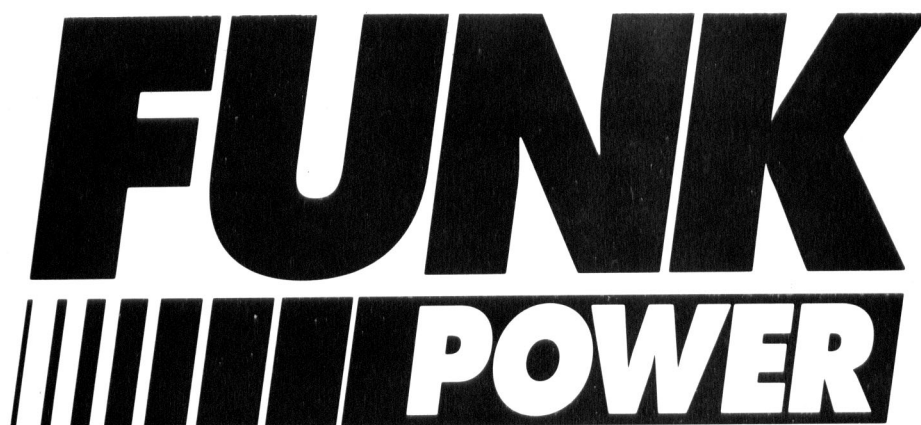


**FUNK
MANUFACTURING
COMPANY**

Kobling



PARTS LIST

SPEC 13017A MODEL HS1711

FUNK MANUFACTURING

This parts list is divided into two sections, which are Bill of Material and drawing documents. The drawings are listed either in build level sequence directly associated to B/M levels or in alpha-numerical order. The drawing documents can be found in the back of the parts book following the B/M.

The B/M represents the stage or levels at which the transmission is assembled. These levels also refer to the reference numbers on the supporting drawings.

The drawings which support these build levels can be found in the information narrative on the right side of the B/M. The drawing will be listed as "asm per" followed by a drawing number, or if it uses the drawing number of the component part number it will be listed as a "drawing" in the narrative. When the word "drawing" appears in the information narrative, you will only find a drawing in the book if the component parts are serviceable.

To determine the part number of the required part, look through the drawings and locate the part needed. Then note the drawing number in the lower right hand corner and the reference number of the particular part required. Now go to the B/M listing and find that drawing number appears in the "asm per" narrative or in the component part column when "drawing" is used as the narrative. Now the part number can be determined by dropping down to the next build level and matching the reference number noted from the drawing with the right hand portion of the reference number on the Bill of Material.

EXAMPLE:

1	(1st level)	XXXXXXX	ASM FRT CVR SERV	1.00
			**ASM PER XXXXXXXX	
1-1	(2nd level)	XXXXXXX	ASM FRT CVR SERV	1.00
			REPL XXXXX FOR SERV.	
			**ASM PER XXXXXXXX	
			N/A XXXXX & XXXXX SEL	
1-1-1	(3rd level)	XXXXXXX	CVR.FRT ASM SERV	1.00
			REPL XXXXX FOR SERV.	
			**ASM PER XXXXXXXX	
			N/A XXXXX & XXXXX SEL	
			(NON SERVICEABLE DETAILS)	
1-1-2	(3rd level)	XXXXXXX	SEAL RING	1.00
1-1-3	(3rd level)	XXXXXXX	COVER, OIL PASSAGE	1.00
1-1-4	(3rd level)	XXXXXXX	CAPSCREW	3.00
1-1-5	(3rd level)	XXXXXXX	ASM, VLV CONV	1.00
			DRAWING (NON SERVICEABLE DETAILS ASM DWG NOT INCL)	
1-1-6	(3rd level)	XXXXXXX	PLUG PIPE	1.00
3	(1st level)	XXXXXXX	CONV. ASM 12.75	1.00
			DRAWING	
3-1	(2nd level)	XXXXXXX	IMPELLER CONVERTER	1.00
3-2	(2nd level)	XXXXXXX	HUB, IMPELLER	1.00
3-3	(2nd level)	XXXXXXX	O RING	1.00
3-4	(2nd level)	XXXXXXX	CAPSCREW	12.00

** SUPPORT DRAWING

ASSM. NO. SPEC. NO. / DESCRIPTION ENG REL DATE:10/16/90 ENG REL NO:B 900556
 FG 13017 VERT MTG POS;SAE D INP;RATIO 9.010-2.381
 HS1711 REF 3 MTR SIDE; REF 106 VALVE SIDE
 ** 1711D13A21A1A21BA
 SERIAL # 1 THRU 1
 QTY. 1 DUE TO STOCK DATE 00/00/00

QTY	ORDER	LINE	SERIAL	CUSTOMER
*****	*****	*****	*****	*****

REFER NO	LINE	COMPONENT PART	DESCRIPTION	QTY.	DRAWING	QOH
0	3	13017A	C/S HS1711A	1.00		
			STAMP ID TAG SPEC 13017A			
0-0	6	HS1711A	MODEL NO (BASIC)	1.00		
			ASM PER DWG AHS1711A			
			INSTL DWG IHS1711A			
0-0-1	8	40281135	TAG GROUP	1.00		
			N/A 28XXXXX MODEL PAGES			
0-0-1-1	10	4028947	TAG, WARNING	1.00		
0-0-1-2	11	4003228	TAG, APPROVAL	1.00		
0-1	12	4017134	GRP FRONT CVR	1.00		
			ASM PER MODEL DWG, N/A 4017174			
0-1-1	15	4017482	CVR FRONT	1.00		
0-1-2	16	F58584	BRG CUP	1.00	BILL OF MTL	
0-1-3	17	F65064	OIL SEAL	1.00		
0-1-4	18	4063683	ASM. EL. 90 DEG.	1.00		
			DRAWING			
0-1-5	20	F321007	BUSHING,REDUCER	1.00		
0-1-6	21	F68301	BTHR, 7.5 - 15 P	1.00		
0-1-7	22	4A1050	PLATE, IDENT	1.00		
0-1-8	23	F310063	SCREW, DRIVE	2.00		
0-1-9	24	F37020159	O RING ARP159	1.00		
0-1-10	25	4017364	ASM DIPSTICK	1.00		
0-2	26	4017132	GROUP REAR COVER	1.00		
			ASM PER MODEL DWG, N/A 4017366			
0-2-1	29	4017488	CVR REAR	1.00		
0-2-2	30	F58584	BRG CUP	1.00	BILL OF MTL	
0-2-4	31	4017244	ASM OIL TROUGH	1.00		
0-2-5	32	F100108	CAPSCREW	8.00		
0-2-6	33	4017248	PLT BACK	1.00		
0-2-7	34	F13001000	HEX NUT	5.00		
0-2-8	35	F18007	WASHER	1.00		
0-2-9	36	F1007516	CAPSCREW	1.00		
0-2-10	37	F15001	STARWASHER	8.00		
0-3	38	4017489	TUBE SUCTION	1.00		
0-4	41	4017513	GRP GEAR RATIO	1.00		
			ASM PER MODEL DWG; N/A 4017177			

CONTINUED

ASSM. NO. SPEC. NO. / DESCRIPTION ENG REL DATE:10/16/90 ENG REL NO:8 900556
 FG 13017 VERT MTG POS;SAE D INP;RATIO 9.010-2.381
 HS1711 REF 3 MTR SIDE; REF 106 VALVE SIDE
 ** 1711D13A21A1A21BA
 SERIAL # 1 THRU 1
 QTY. 1 DUE TO STOCK DATE 00/00/00

REFER NO	LINE	COMPONENT PART	DESCRIPTION	QTY.	DRAWING	QOH

0-4-1	44	4017471	ASM CLU 1ST STG	1.00		
			ASM PER DWG 4017153			
			N/A 4017470 & 4017513			
0-4-1-1	47	4017210	ASM SHF INP	1.00		
0-4-1-2	48	4102398	RING BACK-UP	2.00		
0-4-1-3	49	40A2565	SEAL LIP	2.00		
0-4-1-4	50	4017213	ASM CLU PISTON	2.00		
			SERVICE WITH 4017213SA			
0-4-1-4-1	52	4017013	BUSHING, PISTON	1.00		
0-4-1-4-2	53	4017211	PISTON CLU	1.00		
0-4-1-4-3	54	F740006D	BALL	1.00		
0-4-1-4-4	55	F250628	PIN,ROLL	1.00		
0-4-1-5	56	40121323	PLATE CLUTCH SEP	12.00		
0-4-1-6	57	4005523	PLT CLU	12.00		
0-4-1-7	58	4007044	RET CLU PLT	2.00		
0-4-1-8	59	4012383	RING SNAP	2.00		
0-4-1-10	60	4017020	SPRING BELLVILLE	12.00		
			REPL X9934 FOR PRODSERV			
0-4-1-11	62	4017481	SPACER	2.00		
0-4-1-12	63	F81675	SNAP RING, EXT	4.00		
0-4-1-13	64	YZ100017	BEARING	4.00		
0-4-1-14	65	4017225	ASM GR & HUB	1.00		
0-4-1-15	66	4017046	ASM GR & HUB 27T	1.00		
0-4-1-16	67	F40309	BEARING	2.00		
0-4-1-17	68	40B1113	SEAL RING	3.00		
0-4-2	69	4017235	SHF 2ND	1.00		
0-4-3	70	4017232	GR 2ND	1.00		
0-4-4	71	4017045	GR 2ND 37T	1.00		
0-4-5	72	F41309	BEARING	2.00		
0-4-6	73	4017241	ASM SHF 3RD	1.00		
0-4-7	74	F41310	BEARING	1.00		
0-4-8	75	4003718	BEARING, CYL. RO	1.00		
0-4-9	76	4017313	GR, OUT	1.00		
0-4-10	77	F39010237	SNAP RING	2.00		
0-5	78	4017154	GRP OUT SHAFT	1.00		
			ASM PER MODEL DWG, N/A 4017178			
0-5-1	81	4017267	SHAFT OUT	1.00		
0-5-2	82	F58101	BRG CON	2.00	BILL OF MTL	
0-6	83	4017469	GRP HYD VALVE	1.00		
			OBS REPL BY YZ100719 FOR PROD & SER			
			EFF PER ECN 900556			
			ASM PER MODEL DWG, N/A 4017179			
0-6-1	87	4017042	GSK VALVE BOD	1.00		
0-6-2	88	F1002044	CAPSCREW	1.00		
0-6-3	89	F1002040	CAPSCREW	2.00		

CONTINUED

ASSM. NO. SPEC. NO. / DESCRIPTION ENG REL DATE:10/16/90 ENG REL NO:B 900556
 FG 13017 VERT MTG POS;SAE D INP;RATIO 9.010-2.381
 HS1711 REF 3 MTR SIDE; REF 106 VALVE SIDE
 ** 1711D13A21A1A21BA
 SERIAL # 1 THRU 1
 QTY. 1 DUE TO STOCK DATE 00/00/00

REFER NO	LINE	COMPONENT PART	DESCRIPTION	QTY.	DRAWING	QOH
0-6-4	90	F1002020	CAPSCREW	1.00		
0-6-5	91	F1002016	CAPSCREW	2.00		
0-6-6	92	F1003024	CAPSCREW	2.00		
0-6-7	93	4017027	BUSHING LOC	2.00		
0-6-8	94	4017468	ASM HYD VALVE	1.00		
			OBS REPL BY YZ100720 FOR PROD & SER			
			EFF PER ECN 900556			
			ASM PER 4017151, N/A 4017469			
0-6-8-1	98	4017249	VLV BODY	1.00		
0-6-8-2	99	4001388	SPR., ACCUMULATO	1.00		
0-6-8-3	100	40A2510	WASHER	1.00		
0-6-8-4	101	40A2511	SHIM SPG	4.00		
0-6-8-5	102	40A2513	ASM REG SPOOL	1.00		
0-6-8-5-1	103	40A2512	SPOOL REG	1.00		
0-6-8-5-2	104	40A1335	PLATE, ORIFICE	1.00		
0-6-8-5-3	105	F3900056	SNAP RING	1.00		
0-6-8-6	106	4017105	CAP, SOL	2.00		
0-6-8-7	107	F7400040	BALL	2.00		
0-6-8-8	108	F37010012	O RING ARP012	2.00		
0-6-8-9	109	40A2087	SEAT, BALL	2.00		
0-6-8-10	110	F3900050	SNAP RING	2.00		
0-6-8-11	111	4017106	SPOOL, D.A.	1.00		
0-6-8-12	112	F1100120	CAPSCREW SOC HD	4.00		
0-6-8-13	113	F74000120	BALL	2.00		
0-6-8-14	114	4017107	SPRING, SPOOL	2.00		
0-6-8-15	115	4017317	PLUG, DETENT	1.00		
0-6-8-16	116	F190032	PLUG, PIPE	6.00		
0-6-8-17	117	4017286	SLEEVE	1.00		
0-6-8-18	118	F37010007	O RING ARP007	6.00		
0-6-8-19	119	F37010027	O RING ARP027	4.00		
0-6-8-20	120	40A1333	PSTN ACCUM	1.00		
0-6-8-21	121	4005293	CORE ASM	2.00		
0-6-8-22	122	40A2269	SPRING SOL	2.00		
0-6-8-23	123	F250948	PIN, ROLL	2.00		
0-6-8-24	124	F37060912	O RING ARP912	2.00		
0-6-8-25	125	4102299	ASM PIN	2.00		
0-6-8-26	126	4005294	PLGR SOL	2.00		
0-6-8-27	127	4102197	ASM, PIN & COIL,	2.00		
0-6-8-28	128	F7824320511	STOP NUT, THIN	2.00		
0-6-8-29	129	F2310021	PLUG, SHIPPING	3.00		
0-6-8-30	130	F1100132	CAPSCREW SOC HD	4.00		
0-6-8-31	131	F56790	ROLLER	1.00		
0-6-8-32	132	F7400070	BALL	2.00		
0-6-8-33	133	F170505	WASHER	2.00		
0-6-8-35	134	4003529	RECEPTACLE	2.00		

CONTINUED

ASSM. NO. SPEC. NO. / DESCRIPTION ENG REL DATE:10/16/90 ENG REL NO:8 900556
 FG 13017 VERT MTG POS;SAE D INP;RATIO 9.010-2.381
 HS1711 REF 3 MTR SIDE; REF 106 VALVE SIDE
 ** 1711D13A21A1A218A
 SERIAL # 1 THRU 1
 QTY. 1 DUE TO STOCK DATE 00/00/00

REFER NO	LINE	COMPONENT PART	DESCRIPTION	QTY.	DRAWING	QOH
0-6-8-36	135	4003530	PLUG	2.00		
0-6-9	136	4017594	KIT, CONNECTOR	1.00		
			ASM PER MODEL DWG; N/A 4017587			
0-6-9-1	139	4003529	RECEPTACLE	1.00		
			PART IS SHIPPED LOOSE			
0-6-9-2	140	4003530	PLUG	1.00		
			PART IS SHIPPED LOOSE			
0-6-9-3	141	4003542	SOCKET CONTACT	1.00		
			PART IS SHIPPED LOOSE			
0-6-9-4	142	4003541	PIN CONTACT	1.00		
			PART IS SHIPPED LOOSE			
0-7	143	4017299	GRP BOLT & NUT	1.00		
			ASM PER MODEL DWG, N/A 4017298			
0-7-1	145	F1005028	CAPSCREW	14.00		
0-7-2	146	F13009000	HEX NUT	14.00		
0-7-3	147	4001123	BUSHING, LOCATING	2.00		
0-8	148	4017322	GRP PLUG	1.00		
			ASM PER MODEL DWG, N/A 4017229			
0-8-1	150	F85016	PLUG	3.00		
0-8-2	151	F190034	PLUG, PIPE	6.00		
0-9	152	4017158	GRP CPN FLG	1.00		
			ASM PER 4017318 DWG, N/A 4017180			
0-9-1	154	4010486 YZ-101668	FLG CPN	1.00		
0-9-2	155	F37040326	O RING ARP326	1.00		
0-9-3	156	4010464	WA, YOKE	1.00		
0-9-4	157	F1007520H8	CAPSCREW	1.00		
0-101	158	4017173	GRP ADAPTER INPU	1.00		
			ASM PER 4017149 DWG, N/A 4017181			
			SHIPPED LOOSE			
			REF #2 SHIP LOOSE			
0-101-1	161	4A60070	ADAPTER, HYD MTR	1.00		
			REPL 4060075 FOR PROD			
			SERV 4060075 W/KIT 4A60076 ECN 4149			
0-101-2	163	4017316	ASM ADAPT SHF	1.00		
			PART IS SHIPPED LOOSE			
0-101-3	164	F1005024	CAPSCREW	4.00		
0-101-4	165	F37030258	O RING ARP258	1.00		
			PART IS SHIPPED LOOSE			
0-101-6	166	F23309	PLUG, SHIPPING	1.00		
0-102	168	4017148	GRP TUBE ASM	1.00		
			ASM PER MODEL DWG, N/A 4017181			
			SHIPPED LOOSE			
			REF #1 AND #2 SHIP LOOSE			
0-102-1	171	4003598	ASM HOSE	1.00		
			PART IS SHIPPED LOOSE			

CONTINUED

ASSM. NO. SPEC. NO. / DESCRIPTION ENG REL DATE:10/16/90 ENG REL NO:B 900556
 FG 13017 VERT MTG POS;SAE D INP;RATIO 9.010-2.381
 HS1711 REF 3 MTR SIDE; REF 106 VALVE SIDE
 ** 1711D13A21A1A21BA
 SERIAL # 1 THRU 1
 QTY. 1 DUE TO STOCK DATE 00/00/00

REFER NO	LINE	COMPONENT PART	DESCRIPTION	QTY.	DRAWING	QOH
0-102-2	172	F3301708	ELBOW	2.00		
			PART IS SHIPPED LOOSE			
0-105	173	4003489	ASM FILTER & BAS	1.00		
			SHIPPED LOOSE			
			1 PER 4003489 FLTR/BASE			
0-105-1	175	4003488	BASE FILTER	1.00		
			PART IS SHIPPED LOOSE			
			SHIPPED LOOSE			
			1 PER 4003488 BASE			
0-105-2	177	4003483	FILTER ELEMENT	1.00		
			PART IS SHIPPED LOOSE			
			SHIPPED LOOSE			
			1 PER 4003483 FLTR			
0-106	179	4017358	GRP RET CAP	1.00		
			N/A 4017181			
			OBS REPL BY 4017331 FOR PROD & SERV			
			EFF PER ECN 890870			
0-106-1	183	4017343	CAP RET	1.00		
0-106-2	184	F37030240	O RING ARP240	1.00		
0-106-3	185	F1005020	CAPSCREW	4.00		

CONTINUED

ASSM. NO. SPEC. NO. / DESCRIPTION ENG REL DATE:10/16/90 ENG REL NO:B 900556
 FG 13017 VERT MTG POS;SAE D INP;RATIO 9.010-2.381
 HS1711 REF 3 MTR SIDE; REF 106 VALVE SIDE
 ** 1711D13A21A1A21BA
 SERIAL # 1 THRU 1
 QTY. 1 DUE TO STOCK DATE 00/00/00

QTY EA.	SHIPLOOSE PARTS	DESCRIPTION OR NARRATIVE	TOTAL QTY SHIPLOOSE
*****	*****	*****	*****
2.000	F3301708	ELBOW	2.000
1.000	F37030258	O RING ARP258	1.000
1.000	4003483	FILTER ELEMENT	1.000
		1 PER 4003483 FLTR	
1.000	4003488	BASE FILTER	1.000
		1 PER 4003488 BASE	
1.000	4003529	RECEPTACLE	1.000
1.000	4003530	PLUG	1.000
1.000	4003541	PIN CONTACT	1.000
1.000	4003542	SOCKET CONTACT	1.000
1.000	4003598	ASM HOSE	1.000
1.000	4017316	ASM ADAPT SHF	1.000

ON BOTH SIDES OF REAR COVER

2-8

2-9

MOTOR SIDE

VALVE SIDE

1-10

1-8

1-7

3-1

SEE SH 3 FOR SUCTION TUBE INSTL & LOC

8-2

9

10

6-7

6-2

6-3

6-5

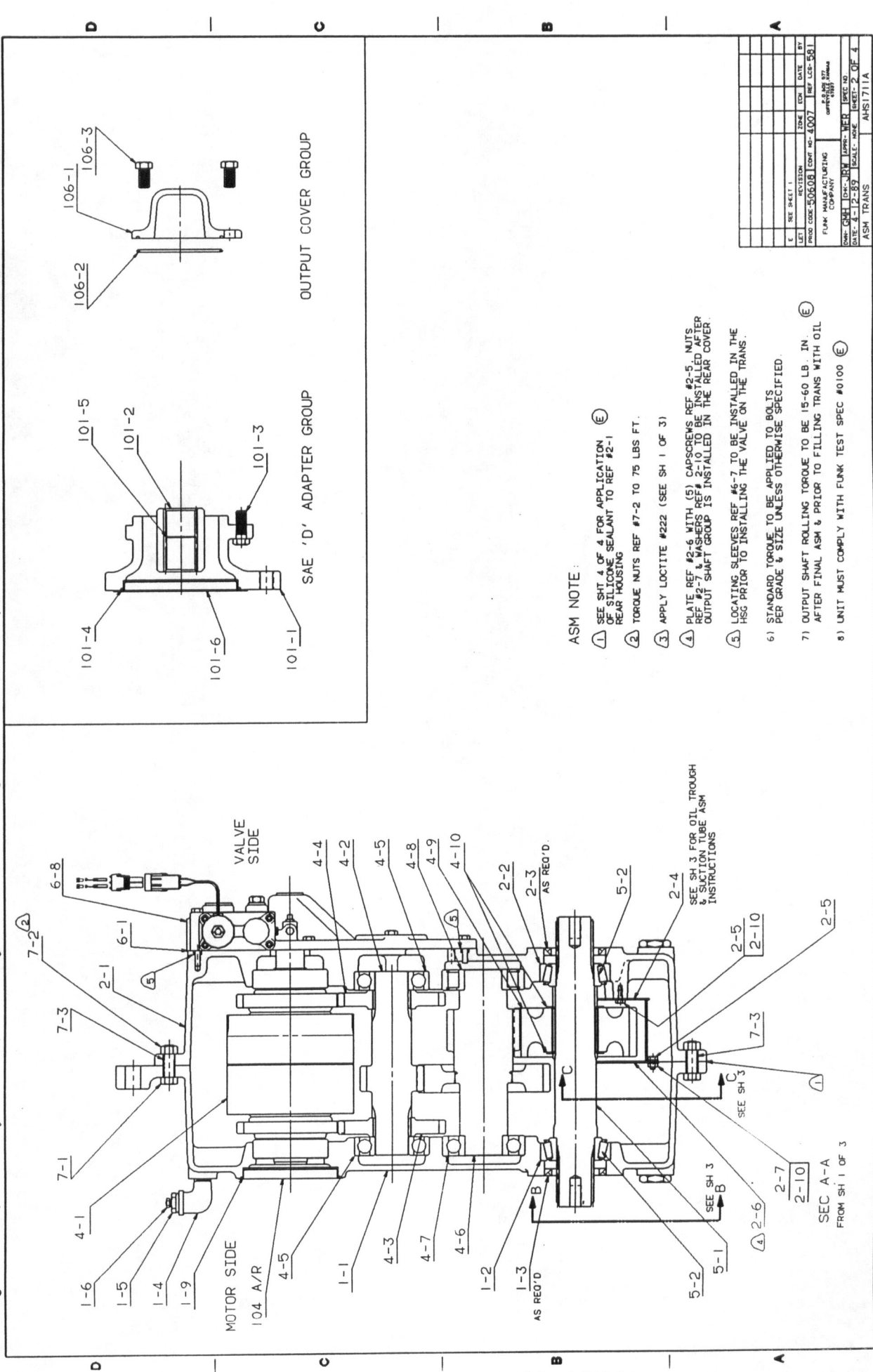
6-6

6-4

8-2

SEE SH 2 OF 3

AH 51711A
 284



OUTPUT COVER GROUP

SAE 'D' ADAPTER GROUP

ASM NOTE:

1. SEE SH 4 OF 4 FOR APPLICATION OF SEALING SEALANT TO REF #2-1 REAR HOUSING
2. TORQUE NUTS REF #7-2 TO 75 LBS FT.
3. APPLY LOCTITE #222 (SEE SH 1 OF 3)
4. PLATE REF #2-4 WITH (E) CAPSCREWS REF #2-5, NUTS REF #2-6, WASHERS REF #2-7 TO BE INSTALLED AFTER OUTPUT SHAFT GROUP IS INSTALLED IN THE REAR COVER
5. LOCATING SLEEVES REF #6-7 TO BE INSTALLED IN THE HSG PRIOR TO INSTALLING THE VALVE ON THE TRANS.
6. STANDARD TORQUE TO BE APPLIED TO BOLTS PER GRADE & SIZE UNLESS OTHERWISE SPECIFIED.
7. OUTPUT SHAFT ROLLING TORQUE TO BE 15-60 LB. IN. AFTER FINAL ASM & PRIOR TO FILLING TRANS WITH OIL
8. UNIT MUST COMPLY WITH FUNK TEST SPEC #0100

REV	DATE	BY	CHKD	DATE	BY
1	10/1/83	10/1/83	10/1/83	10/1/83	10/1/83
2	10/1/83	10/1/83	10/1/83	10/1/83	10/1/83
3	10/1/83	10/1/83	10/1/83	10/1/83	10/1/83
4	10/1/83	10/1/83	10/1/83	10/1/83	10/1/83
5	10/1/83	10/1/83	10/1/83	10/1/83	10/1/83
6	10/1/83	10/1/83	10/1/83	10/1/83	10/1/83
7	10/1/83	10/1/83	10/1/83	10/1/83	10/1/83
8	10/1/83	10/1/83	10/1/83	10/1/83	10/1/83
9	10/1/83	10/1/83	10/1/83	10/1/83	10/1/83
10	10/1/83	10/1/83	10/1/83	10/1/83	10/1/83

SEC A-A
 FROM SH 1 OF 3

AHS1711A
3 of 4

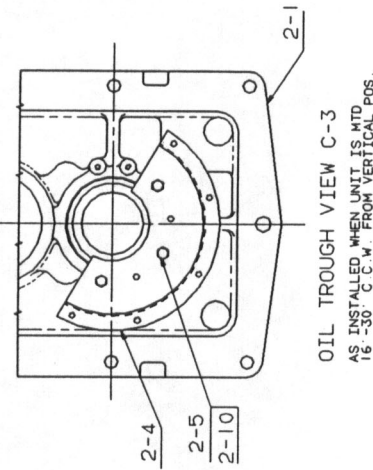
INSTALLATION PROCEDURES FOR REF #3-1 SUCTION TUBE

- 1) INSERT SUCTION TUBE REF #3-1 INTO HOUSING
- 2) ROTARY SWAGE SUCTION TUBE INTO THE HOUSING AND REMOVE THE LOCATING TOOL

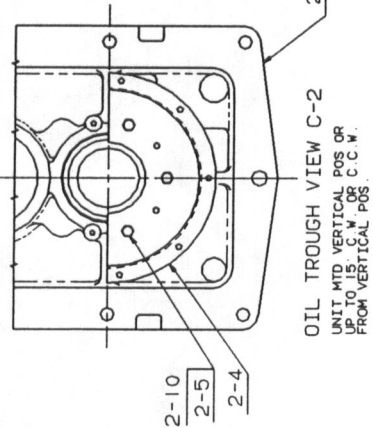
NOTE:

TUBE IS MTD IN FRONT OR REAR
CVR PER SPEC REQUIREMENT

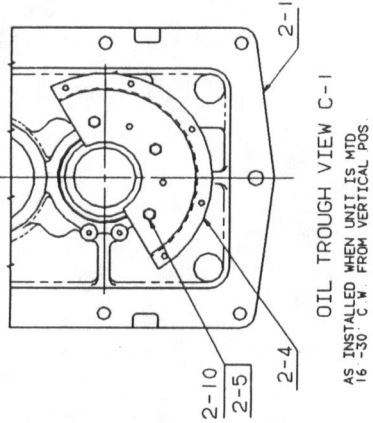
SUCTION TUBES MUST BE INSTALLED
OPPOSITE BRAKE SIDE IF
BRAKE IS USED



OIL TROUGH VIEW C-3
AS INSTALLED WHEN UNIT IS MTD
16°-30° C.C.W. FROM VERTICAL POS.



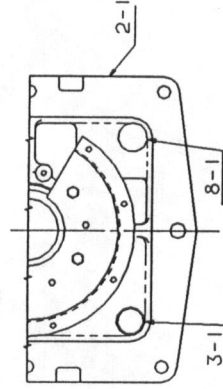
OIL TROUGH VIEW C-2
UNIT MTD VERTICAL POS OR
UP TO 15° FROM VERTICAL POS.



OIL TROUGH VIEW C-1
AS INSTALLED WHEN UNIT IS MTD
16°-30° C.C.W. FROM VERTICAL POS.

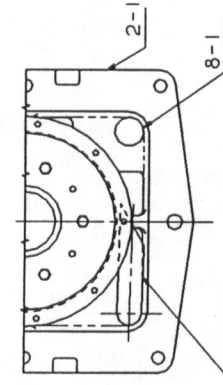
REAR COVER OIL TROUGH INSTL. OPTIONS (AS VIEWED FROM MOTOR SIDE)

SUCTION TUBE VIEW C-6



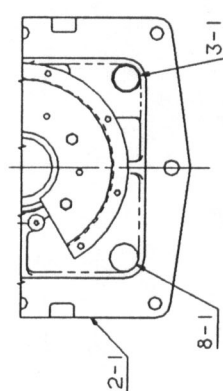
STRAIGHT SUCTION TUBE IS
USED AS SHOWN IN REAR COVER
WHEN UNIT IS MTD 16°-30° C.C.W.
FROM VERTICAL POS.

SUCTION TUBE VIEW C-5



STD SUCTION TUBE INSTALLATION
UNIT MTD VERTICAL POS.

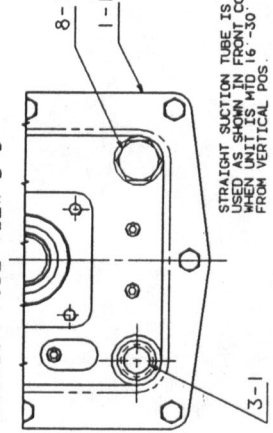
SUCTION TUBE VIEW C-4



STRAIGHT SUCTION TUBE IS
USED AS SHOWN IN REAR COVER
WHEN UNIT IS MTD 16°-30° C.C.W.
FROM VERTICAL POS.

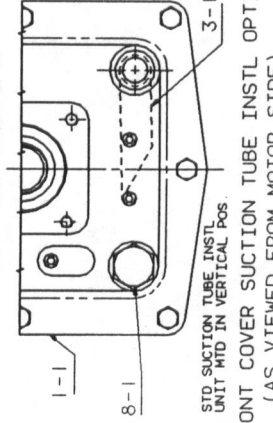
REAR COVER SUCTION TUBE INSTL. OPTIONS (AS VIEWED FROM MOTOR SIDE)

SUCTION TUBE VIEW B-3



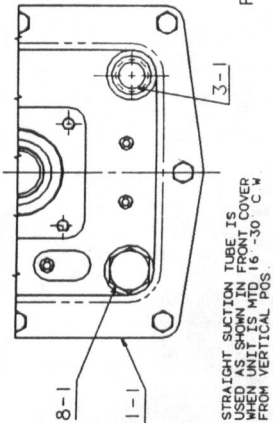
STRAIGHT SUCTION TUBE IS
USED AS SHOWN IN FRONT COVER
WHEN UNIT IS MTD 16°-30° C.C.W.
FROM VERTICAL POS.

SUCTION TUBE VIEW B-2



STD SUCTION TUBE INSTL.
UNIT MTD VERTICAL POS.

SUCTION TUBE VIEW B-1



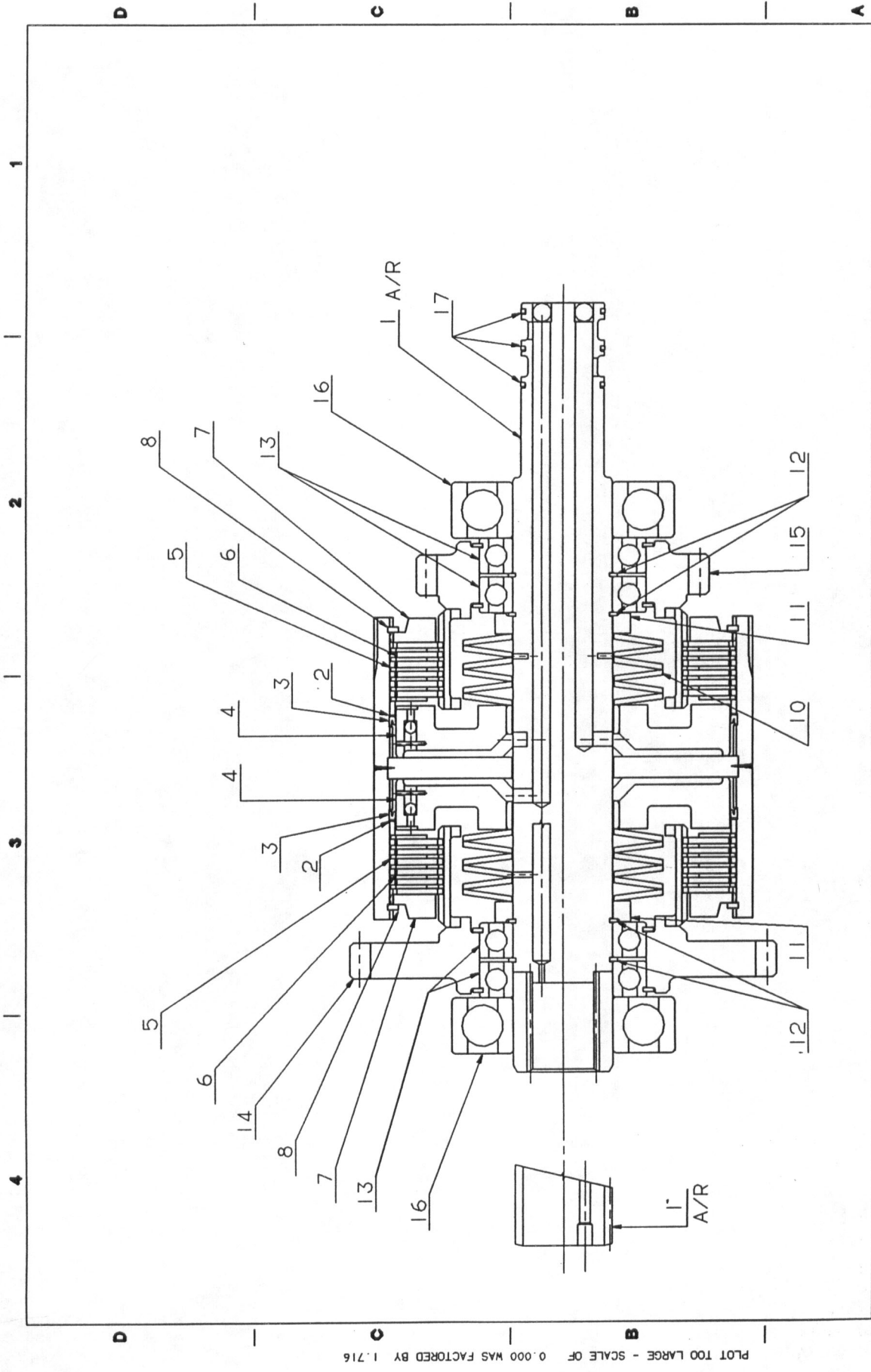
STRAIGHT SUCTION TUBE IS
USED AS SHOWN IN FRONT COVER
WHEN UNIT IS MTD 16°-30° C.C.W.
FROM VERTICAL POS.

REV	DESCRIPTION	DATE	BY
1	SEE SHEET 1		
2	SEE SHEET 1		
3	SEE SHEET 1		
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99	SEE SHEET 1		
100	SEE SHEET 1		

PLANK MANUFACTURING
CORPORATION
1000 N. 10TH AVE.
DENVER, CO 80202
TEL: 303-733-1111
FAX: 303-733-1112
E-MAIL: SALES@PLANKMFG.COM
WWW.PLANKMFG.COM

ASH TRANS
AHS1711A

4017153



PLOT TOO LARGE - SCALE OF 0.000 WAS FACTORED BY 1.716

THIS DWG REPRESENTS THE FOLLOWING BOM		NOTES: FOR DUAL PRESS APPLIED CLUTCH		FUNK MANUFACTURING COMPANY		P.O. BOX 577 COFFEEVILLE, ALA 36045	
4017146	4017633	D	PER DCR #2409	ECN 890420	S.F.	9-4-89	
4017162		C	ADD B-VILLE SPR PER ECN 50890		JV	6-16-86	
4017166		B	ADDED 4017458	E1	JS	3-3-86	
4017167		A	REL FOR PROD			10-8-84	
4017294		LET	REVISION	ZONE	DATE	BY	
4017458							
				SHEET- 1 OF 1		DWG ASM CLU IST	

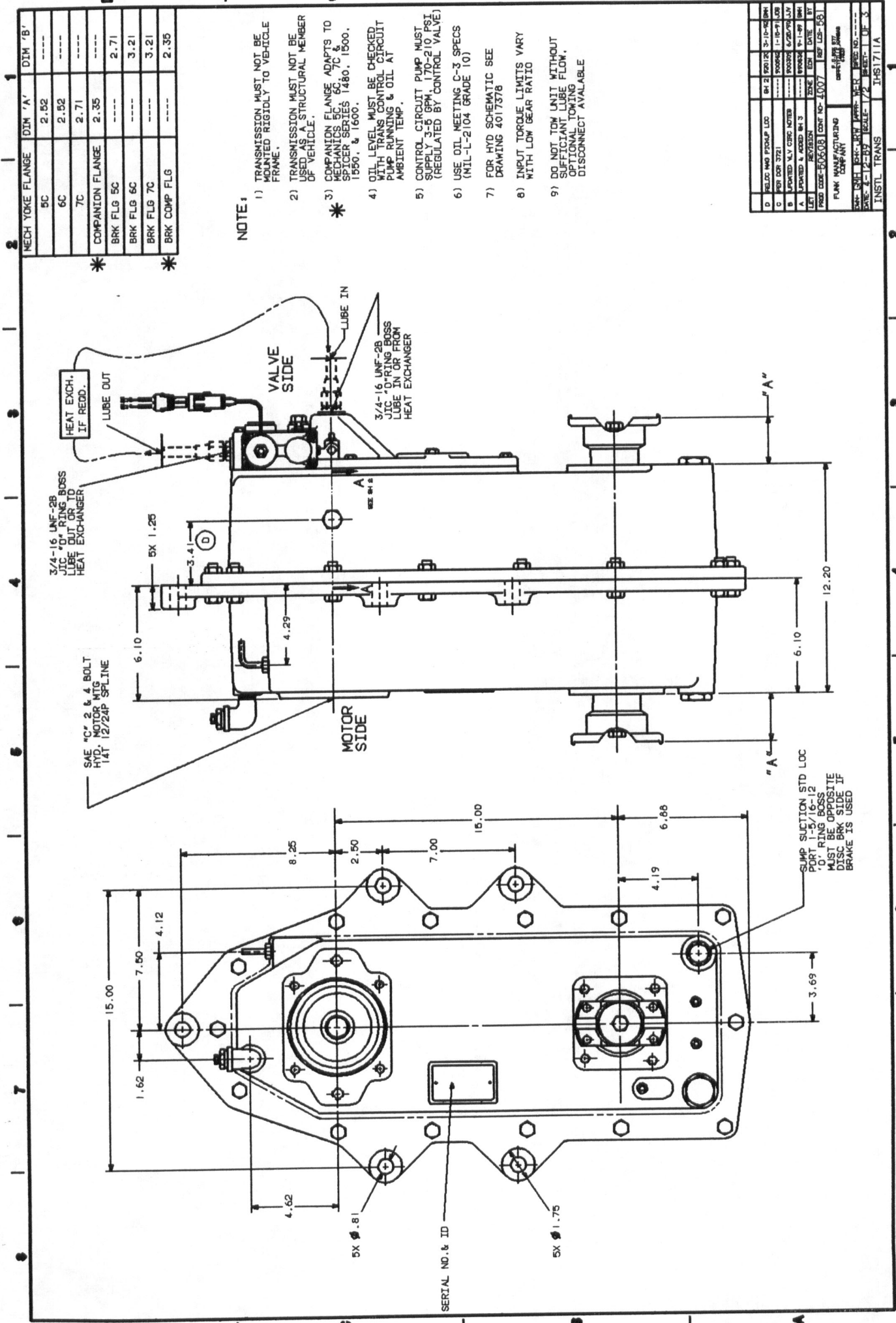
4 of 4



WIPE FLANGE SURFACE
CLEAN THEN APPLY A 3/32
WIDE BEAD OF SILICONE
SEALANT (FUNK P/N F9559575)
AS SHOWN

25 TYP

[illegible]



NOTE:

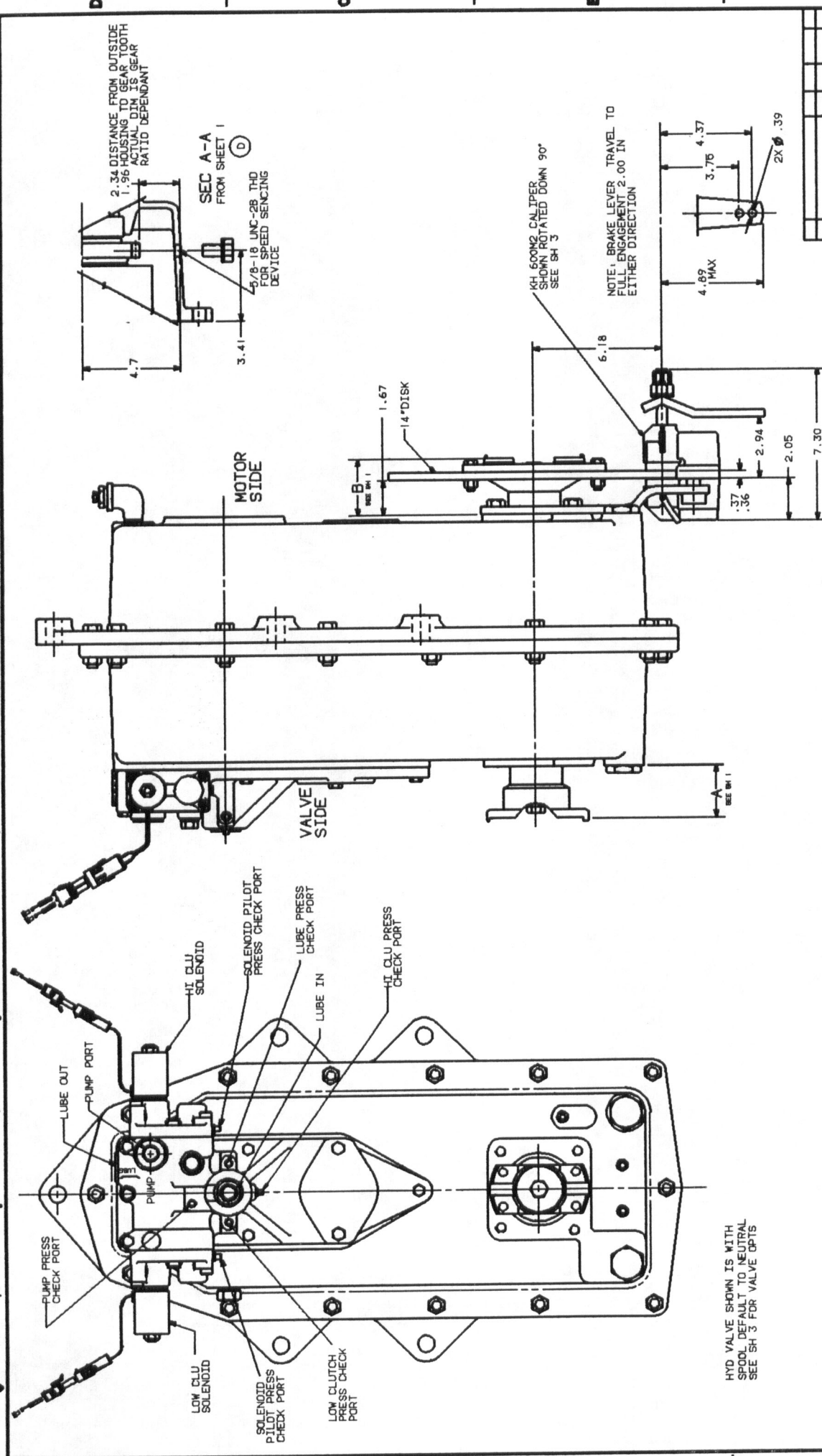
- 1) TRANSMISSION MUST NOT BE MOUNTED RIGIDLY TO VEHICLE FRAME.
- 2) TRANSMISSION MUST NOT BE USED AS A STRUCTURAL MEMBER OF VEHICLE.
- 3) COMPANION FLANGE ADAPTS TO MECHANICS 5C, 6C, 7C & SPICER SERIES 1480, 1500, 1550, & 1600.
- 4) OIL LEVEL MUST BE CHECKED WITH TRANS CONTROL CIRCUIT PUMP RUNNING & OIL AT AMBIENT TEMP.
- 5) CONTROL CIRCUIT PUMP MUST SUPPLY 3-8 GPM, 170-210 PSI (REGULATED BY CONTROL VALVE)
- 6) USE OIL MEETING C-3 SPECS (MIL-L-2104 GRADE 10)
- 7) FOR HYD SCHEMATIC SEE DRAWING 401378
- 8) INPUT TORQUE LIMITS VARY WITH LOW GEAR RATIO
- 9) DO NOT TOW UNIT WITHOUT SUFFICIENT LUBE FLOW. OPTIONAL TOWING DISCONNECT AVAILABLE

NECH YOKE FLANGE	DIM 'A'	DIM 'B'
5C	2.52	---
6C	2.52	---
7C	2.71	---
COMPANION FLANGE	2.35	---
BRK FLG 5C	---	2.71
BRK FLG 6C	---	3.21
BRK FLG 7C	---	3.21
BRK COMP FLG	---	2.35

D	RELUC MAG FIDALP LDC	BA 2	50012	3-10-50	50012
C	RELUC DOR 3721	---	50012	1-10-71	50012
B	APPROVED N.Y. CIRC NOTER	---	50012	6/25/70	50012
A	APPROVED & ADDED BA 3	---	50012	9-1-87	50012
REV	REVISION	250E	EDN	DATE	BY
PROD CODE	50508	CONF NO	4007	REV	LOC
PUMP NAME: HYDRAULIC PUMP					
DRAWING NO: 401378					
DATE: 4-12-87					
INSTL TRANS: IAS1711A					

IHS 1711 A

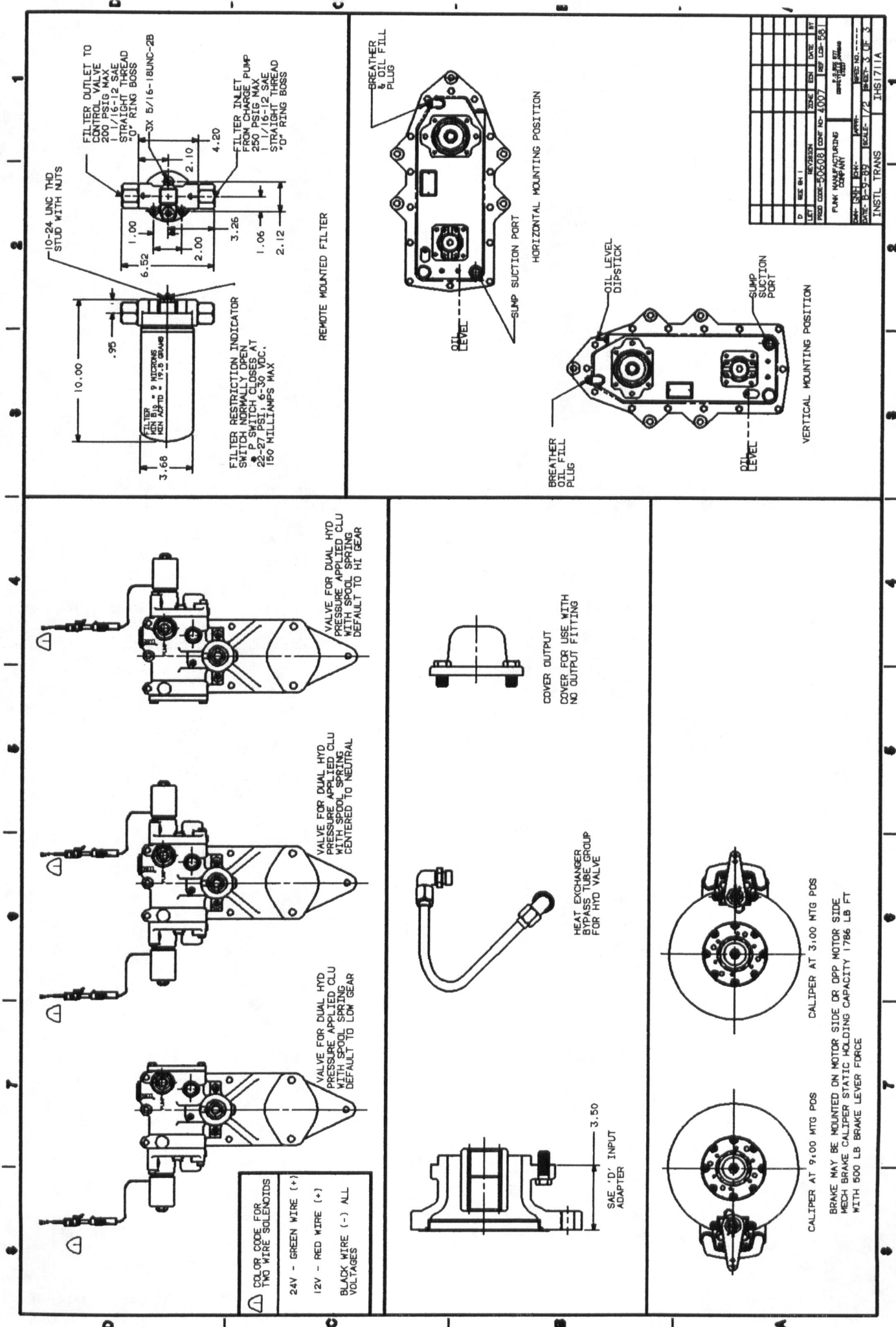
②

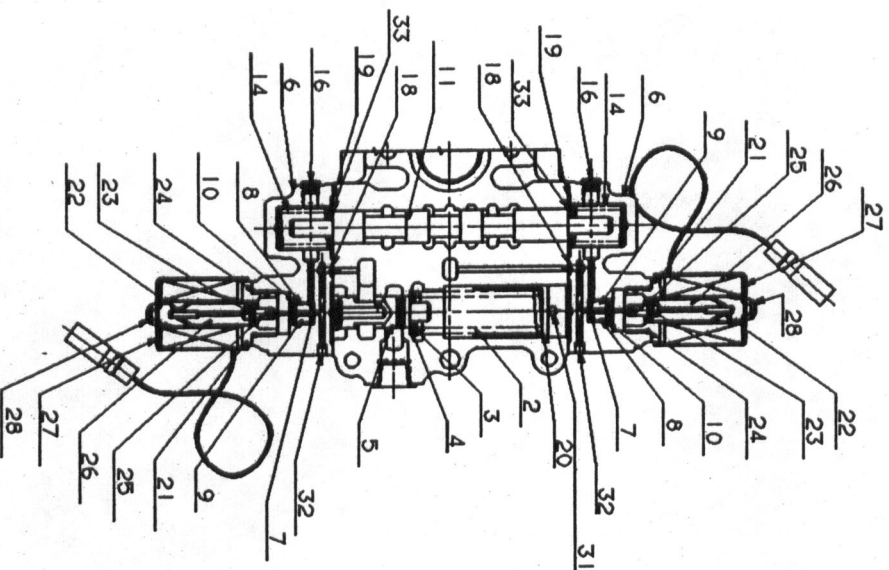


HYD VALVE SHOWN IS WITH SPOOL DEFAULT TO NEUTRAL SEE SH 3 FOR VALVE OPTS

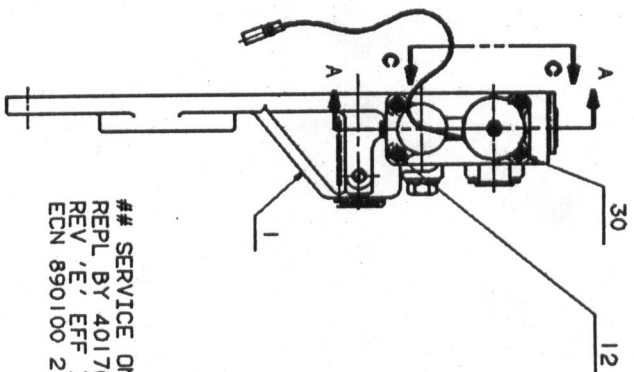
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4	11/12/89	1	1	1	1	1
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INSTL TRANS IHS1711A

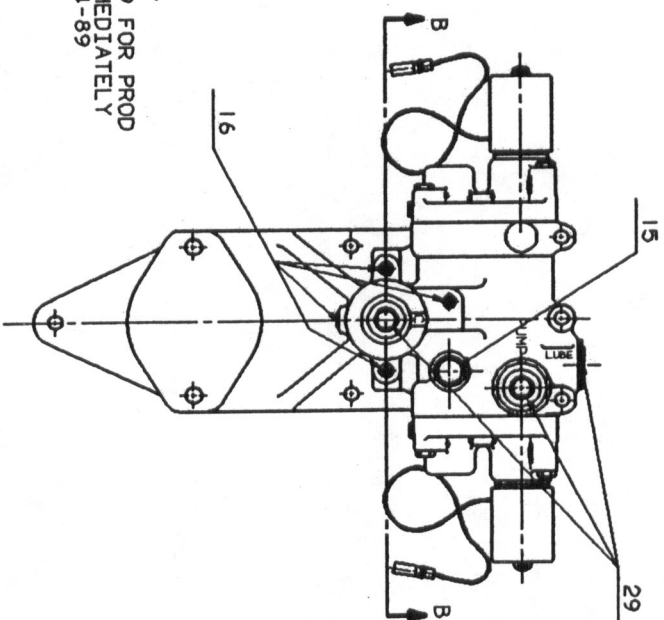




SEC A-A
ROTATED 90° CW



SEC B-B



VIEW C-C

SERVICE ONLY
REPL BY 4017609 FOR PROD
REV 'E' EFF IMMEDIATELY
ECN 890100 2-24-89

34 (AS REQD)
APPLY LOCTITE #262

NOTES:

NOTES:
FOR DUAL PRESS APPLIED CLUTCH

THE FOLLOWING PARTS
4017170
4017171
4017523
4017606

REV	DATE	BY	CHKD	FLW	DESCRIPTION	CONTR
E	12-24-88	DMH	DMH	DMH	REPL BY 4017609 FOR PROD	4017609
D	10-21-88	DMH	DMH	DMH	REPL BY 4017609 FOR PROD	4017609
C	12-18-88	DMH	DMH	DMH	REPL BY 4017609 FOR PROD	4017609
B	10-21-88	DMH	DMH	DMH	REPL BY 4017609 FOR PROD	4017609
A	12-24-88	DMH	DMH	DMH	REPL BY 4017609 FOR PROD	4017609
1	12-24-88	DMH	DMH	DMH	REPL BY 4017609 FOR PROD	4017609

4



AS REQ'D



CPN FLG SHOWN BELOW C

[illegible]

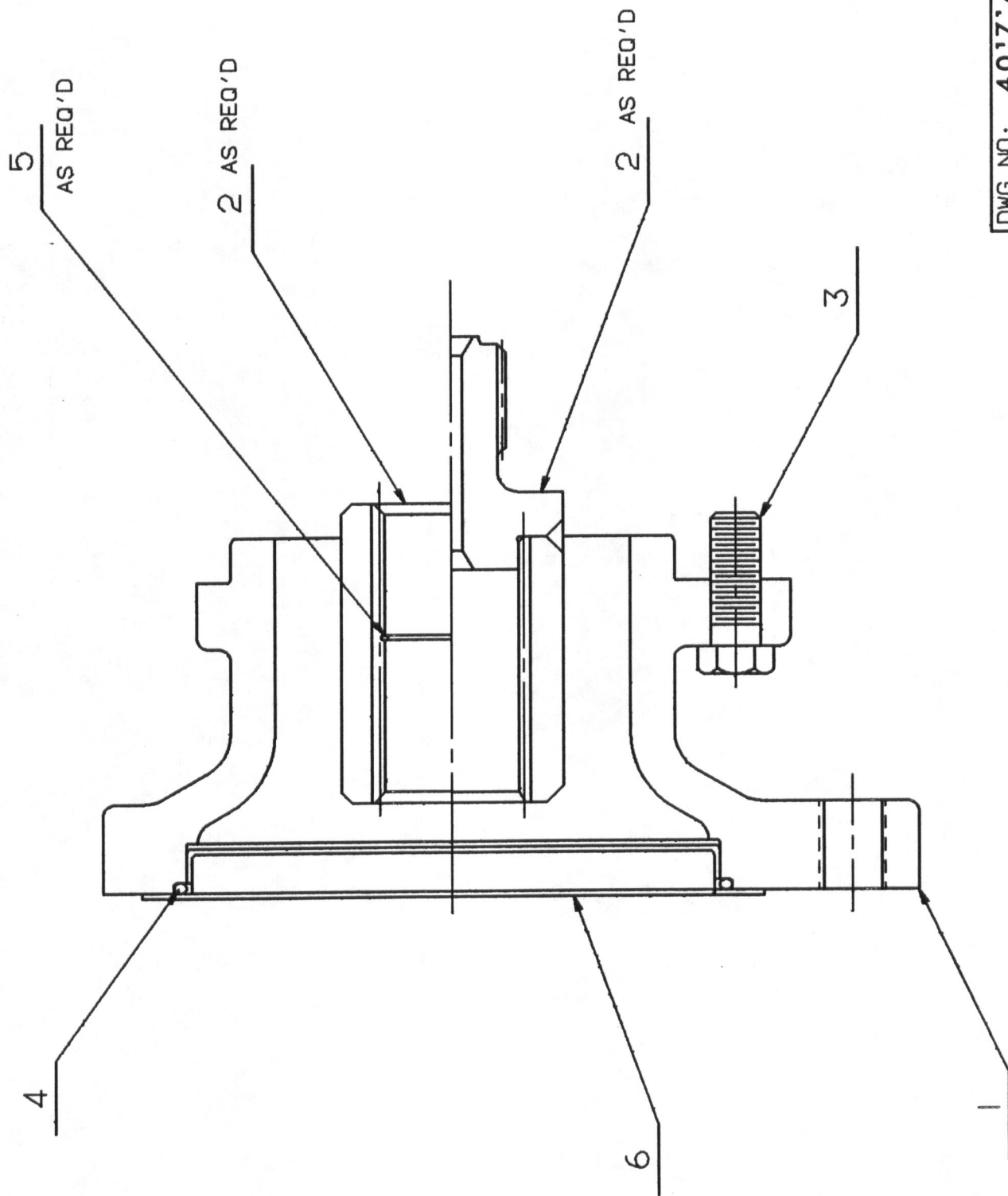
4

3

2

1

4017149



DWG NO:	4017149
BASIC REF NO:	10
DESC:	GRP ADAPTER INPUT



FUNK
POWER

INTERNATIONAL SERVICE CENTERS

International Service Centers 10/96



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1. ASHLEY BENOIT & CO. PTY. LTD.

Unit 6, 13 Hoyle Avenue
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Castle Hill NSW 2154
Australia

Phone # (61)-2-634-3200

Fax # (61)-2-899-2313

Ashley Benoit
Steve Robinson
Greg Jones
Dave Holloway

2. D G S DIESEL & GETRIEBE SRVC GMBH

Postfach 87
6500 Mainz Hechtsheim 42
Germany

Phone # (49)-613-1580715

Fax # (49)-613-1580714

Harald Wendel - Sales
Harold Puntue - Parts

3. MITCHELL DIESEL LTD.

Fulwood Road South
Fulwood Industrial Estate
Sutton-in-Ashfield
Nottingham, U.K. NG172JZ

Phone # (44)-623-550550

Fax # (44)-623-440988

Jackie Crossland - Sales
Richard Lowe - Service

4. MOTEURS ET INDUSTRIE LHERMITE

Boulevard De L'Europe
B.P. 15
F-28500 Vernouillet
France

Phone # (33)-37-42-88-90

Fax # (33)-37-50-00-39

Jack Nidelet

5. POWER TORQUE PTY. LTD.

P.O. Box 448
Bergvlei Transvaal 2012
South Africa

Phone # (27)-11-786-4247

Fax # (27)-11-440-1547

Charles Davidson

In South America:

6. TURBO SERVICES

Alfredo R. Bufano
2463 Capital Federal
Buenos Aires, 1416, Argentina

Phone # (011)-54-158-21326

Fax # (011)-54-158-37377

English:

Pascual Napolitano
Maximillion Rodriguez

Portugese:
Jorge Rodriguez
Ruben Bianco

PRODUCT SERVICE

John Bowman - Supervisor
Larry Anderson - Service Rep.
Steve Owen - Service Rep.

CUSTOMER SERVICE GROUP

Jim Kneedler - Supervisor
Sheryl Andrews - Secretary
Floyd Graham - Tech Writer
Bill Tesh - Tech Writer

CUSTOMER SALES GROUP

Carol Van Buren - Cust. Service Rep.
Pam Anderson - Cust. Service Rep.
Chuck McFate - Cust. Service Rep.
Bill Jenkins - Cust. Service Rep.
Joe Jabben - Cust. Service Rep.
Bruce Campbell - Cust. Service Rep.

INDUSTRIAL PARK, HWY 169 N., P.O. BOX 577, COFFEYVILLE, KANSAS 67337-0577
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Lancaster, TX 75134
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Fax # 972-224-8204

Gary Brewer
Steve Simpson
Jesse Roberson

2. DRIVE TRAIN INDUSTRIES

3301 Brighton Boulevard
Denver CO. 80217
Phone # 303-292-1100 or 800-525-6177
Fax # 303-297-0473

Tony Armendariz Ext. 269

3 GREAT LAKES POWER PRODUCTS

7455 Tyler Boulevard
Mentor, OH. 44060
Phone # 216-951-5111
Fax # 216-953-1052

Doug Frank
Jeff Gallagher

4 GREAT LAKES POWER PRODUCTS

2006 Tobosal Court
Warren, MI. 48091
Phone # 810-759-5500
Fax # 810-759-0879

Bob Krajcok
Julie Burkhart

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Cincinnati, OH. 45246
Phone # 513-874-4707
Fax # 513-874-4577

Kevin Hammons
Todd Lynch

6. GREAT LAKES POWER PRODUCTS

340 Bilmar Drive
Pittsburgh, PA. 15205
Phone # 412-937-0076
Fax # 412-937-0081

Brian Frank
Diane Silberg

7. GREAT LAKES POWER PRODUCTS

1025 Reis Ave.
Evansville, IN 47711
Phone # 812-422-4893
Fax # 812-422-4911

John Metzger
Ron Boorman

8. H and D TRANSMISSION INC.

31-40 Whitestone Expressway
Flushing N.Y. 11354
Phone # 718-961-9666
Fax # 718-762-7876

Arnie Castka
Carl Orza

9. HEAVY DUTY INDUSTRIAL PARTS

1717 Kopper Road P.O. Box 955
Conley, GA 30027
Phone # 404-366-0464 or 800-282-0996
Fax # 404-363-6205

Steve Campbell
David West

10. HEAVY DUTY INDUSTRIAL PARTS

207 West Blvd
Montgomery, AL. 36108
Phone # 800-346-2516 or 334-264-2573
Fax # 334-269-4994

Kenneth Jackson

11. LEAMAN EQUIPMENT CO.

16550 Railroad Ave. (L)
Morgan Hill CA 95037
Phone # 408-778-9677
Fax # 408-778-9646

Bill Leaman
Wayne Severinsen

12. MILL LOG EQUIPMENT

90895 Roberts Rd. P.O. Box 8099
Coburg OR. 97408
Phone # 541-485-2203
Fax # 541-485-8452

Doug Hoff
Mark Mrdalj

13. MILL LOG MARINE, INC.

18547 E. Valley Hwy
Kent, WA 98032
Phone # 206-251-3434
Fax # 206-251-3430

Danny Salas
Larry Perdue

14. PALMER JOHNSON DISTRIBUTORS, INC

4132 Will Rogers Parkway Suite #300
Oklahoma City, OK 73108
Phone # 405-949-1393
Fax # 405-949-0147

Larry Mc Masters
Wade Lokey

15. PALMER JOHNSON DISTRIBUTORS, INC

14931 W. 99th Street
Lenexa, KS 66215
Phone # 913-492-5454
Fax # 913-492-6320

Ed Hardesty
Steve Sorg

16. PALMER JOHNSON DISTRIBUTORS, INC

731 District Dr.
Itasca, IL 60143
Phone # 708-250-0370
Fax # 708-250-0397

Pete Bychowski

17. PALMER JOHNSON DISTRIBUTORS, INC

3572 Hoffman Rd. East
White Bear Lake, MN 55110
Phone # 612-770-0440
Fax # 612-770-9111

Todd Hopeman
Jeff Golaski

18. PALMER JOHNSON DISTRIBUTORS, INC

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Windsor, WI 53598
Phone # 608-846-9208
Fax # 608-846-9255

Gary Sorg
Don Hinze

19. PALMER JOHNSON DISTRIBUTORS, INC

4557 N. Square Drive
High Ridge Mo. 63049
Phone # 314-677-8100
Fax # 314-677-1003

Bill Hamelback
Rich Theiss

20. PALMER JOHNSON DISTRIBUTORS, INC

406 Lake Lane
N. Little Rock AR 72117
Phone # 501-945-0242
Fax # 501-945-0366

Debbie Kelly
James Smith

21. PITTS ENGINE & TRANSMISSION, INC

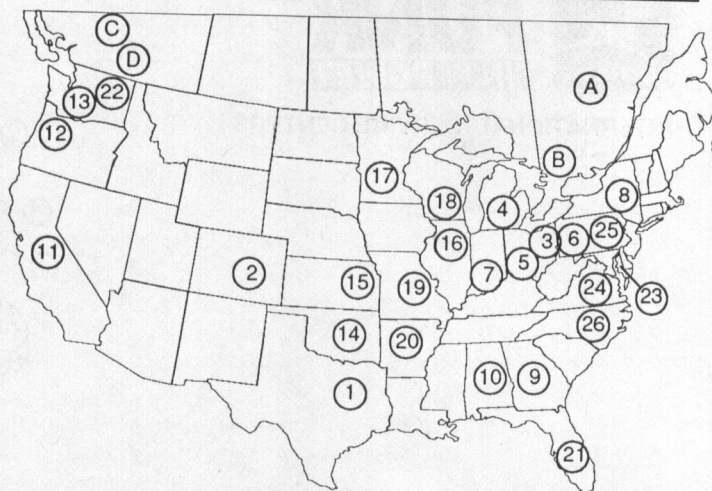
7390 N.W. 43rd Street
Miami, FL 33166
Phone # 305-592-6540 or 800-541-2085
Fax # 305-477-6639

Cary Pitts
Steve Owensby

22. TORQUE-A-MATIC IND. ENG. & TRANS.

12822 E. Indiana P.O. Box 14106
Spokane, WA 99214
Phone # 509-928-0535
Fax # 509-928-0539

Virgil Earls



23. TRANSMISSION ENGINEERING CO.

7120 Golden Ring Rd. Bldg. 103
Baltimore, MD 21221
Phone # 410-682-4900 or 800-352-2323
Fax # 410-687-1536

Dennis Cline

24. TRANSMISSION ENGINEERING CO.

2601E Trade Street
Chesapeake, VA 23323
Phone # 757-487-5462 or 800-257-4455
Fax # 757-485-4155

George Arthur
Dave Franclemont

25. TRANSMISSION ENGINEERING CO.

1851 North Penn Road P. O. Box 580
Hatfield, PA 19440
Phone # 215-822-6737 or 800-521-3285
Fax # 215-822-5608

Mark McDonnell
Craig Thomas

26. TRANSMISSION ENGINEERING CO.

591 Bryant Blvd.
Rock Hill, South Carolina 29732
Phone # 803-366-2850 or 800-767-1801
Fax # 803-366-7128

Tony Calhoun
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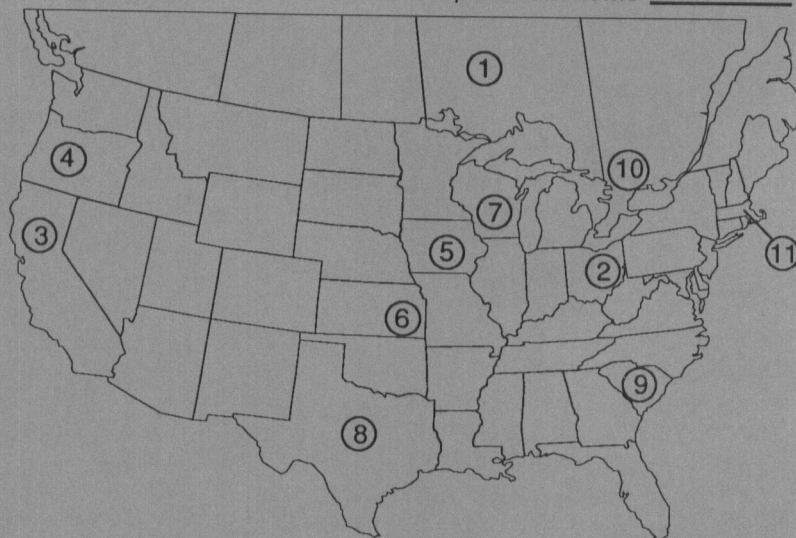
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