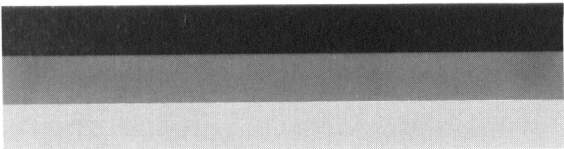


**FUNK
MANUFACTURING
COMPANY**

FUNK
POWER



PARTS LIST

SPEC 8098 MODEL 1024M



FUNK

POWER

IN UNITED STATES:

1. CIA MACHINERY, INC.

3199 West Danieldale St.
Lancaster, TX 75134
Phone # 214-224-5501 or 800-527-6406
Fax # 214-224-8204
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
Bob Gillen Ext. 284
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
Jerry Grodzik

4. GREAT LAKES POWER PRODUCTS

2006 Tobal Court
Warren, MI. 48091
Phone # 810-759-5500
Fax # 810-759-0879
Bob Krajicek
Julie Burkhart

5. GREAT LAKES POWER PRODUCTS

4740 Devitt Drive
Cincinnati, OH. 45246
Phone # 513-874-4707
Fax # 513-874-4577
Kevin Hammons
Mike Conway

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 Boarman

8. H & D TRANSMISSION INC.

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

9. HEAVY DUTY INDUSTRIAL PARTS INC.

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

10. LEAMAN EQUIPMENT CO.

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

11. MILL LOG EQUIPMENT

401 Roberts Ave. P.O. Box 8099
Coburg OR. 97401
Phone # 503-485-2203
Fax # 503-485-8452
Doug Hoff
Mark Mrdalj

12. MILL LOG MARINE, INC.

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

13. PALMER JOHNSON DISTRIBUTORS, INC

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

14. PALMER JOHNSON DISTRIBUTORS, INC

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

15. PALMER JOHNSON DISTRIBUTORS, INC

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

16. 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

17. PALMER JOHNSON DISTRIBUTORS, INC

4410 Duraform Lane
Windsor, WI 53598
Phone # 608-846-9208
Fax # 608-846-9255
Gary Sorg
Don Hinze

18. PALMER JOHNSON DISTRIBUTORS, INC

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

19. PALMER JOHNSON DISTRIBUTORS, INC

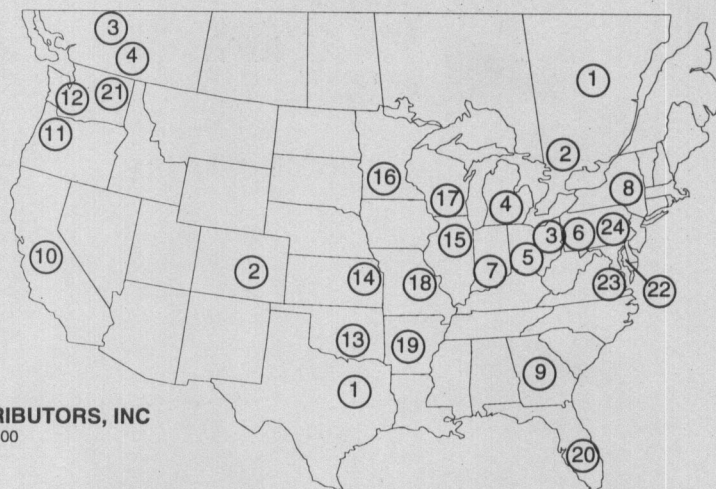
406 Lake Lane
N. Little Rock AR 72117
Phone # 501-945-0242
Fax # 501-945-0366
Debbie Kelly
James Smith

20. PITTS ENGINE & TRANSMISSION, INC

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

21. 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



22. TRANSMISSION ENGINEERING CO.

7110 Golden Ring Rd. Bldg. 112
Baltimore, MD 21221
Phone # 410-682-4900 or 800-352-2323
Fax # 410-687-1536
Dennis Cline

23. TRANSMISSION ENGINEERING CO.

2601E Trade Street
Chesapeake, VA 23323
Phone # 804-487-5462 or 800-257-4455
Fax # 804-485-4155
George Arthur
Dave Franclemont

24. TRANSMISSION ENGINEERING CO.

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

IN CANADA:

1. ARBROBEC PARTS CANADA LTD.

17755 La Pointe
Mirabel Quebec Canada J7J 1P3
Phone # 514-434-1992
Fax # 514-434-4968
Robert Sarmany

2. C & R TRANSMISSION SERVICE LTD.

16 Laidlaw Boulevard
Markham, Ontario Canada L3P 1W7
Phone # 905-294-5357
Fax # 905-294-5036
Art Nicholson

3. THE GEAR CENTRE

14811-116 Ave. (Also for BC Service)
Edmonton, Alberta Canada T5M 3E8
Phone # 403-452-6933 or 800-661-8825
Fax # 403-455-8612
Bill Moffat
Richard Enders

4. THE GEAR CENTRE

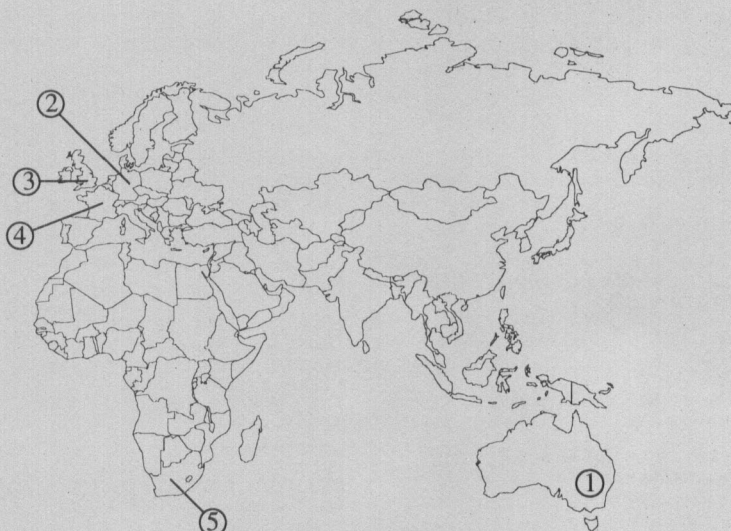
7170 Blackfoot Trail S.E.
Calgary, AB Canada T2H2T4
Phone # 403-252-3880 or 800-661-1378
Fax # 403-252-6308
Trevor Webb
Dave Leslie

IN MEXICO:

SISTEMAS MECANICOS E. HIDRAULICOS, S.A. DE C.V.
Lazaro Cardenas 580 - 202
03400 Mexico, D.F.
MEXICO
Phone # 525-696-4546 525-696-7096 525-696-5048
Fax # 525-579-4333
At'n: Mr. Tiburcio Bastida



INTERNATIONAL SERVICE CENTERS



INTERNATIONAL SERVICE CENTERS

1. ASHLEY BENOIT & CO. PTY. LTD.

Unit 6, 13 Hoyle Avenue
P.O. Box 12
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

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

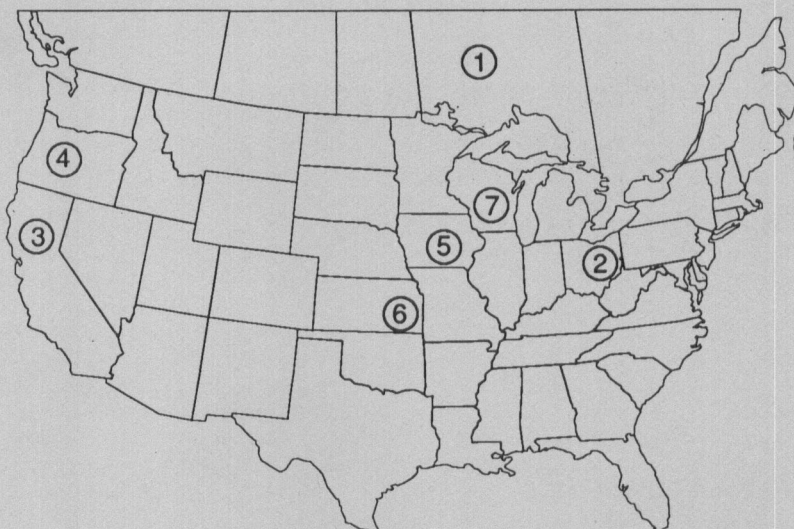
CUSTOMER SALES GROUP

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.
Janice Shue - Cust. Service Rep.

INDUSTRIAL PARK, HWY 169 N., P.O. BOX 577, COFFEYVILLE, KANSAS 67337-0577
(316) 252-3400, FAX: (316) 252-3252 FOR PARTS/UNIT SALES FAX: (316) 252-3253 FOR SERVICE



**NORTH AMERICAN PUMP DRIVE
DISTRIBUTORS**



1. DIESELTECH

P.O. Box 1740
100 Otter Street
Winnipeg Manitoba
Canada R3C 3A1
Phone # 204-452-4334 or 800-665-7665
FAX # 204-452-7984
Greg Eastwood
Keiith Verhaeghe

2. HEARTLAND ENGINE COMPANY

884 Medina Road
Medina, Ohio 44256
Phone # 216-239-2242
Fax # 216-239-2672
Al Milton
Greg File

3. HYDRAULIC CONTROLS. INC.

3481 Industrial Drive
Yuba City, CA 95993
Phone # 916-674-0900
Fax # 916-674-9779
Butch Comer
Jim Tingler

4. MILL LOG EQUIPMENT CO.

90895 Roberts Rd. P.O. Box 8099
Coburg OR 97408
Phone # 503-485-2203
Fax # 503-485-8452
Doug Hoff
Mark Mrdalj

5. NORTHSTAR POWER CO.

700 SE Oralabor Rd. (Overnight delivery only)
P.O. Box 307
Ankeny, IA 50021
Phone # 515-964-6100
Fax # 515-964-6119
George Kline
Tim Molloy

6. PITTS ENGINE & TRANSMISSION, INC

Rural Route 2 Box 28A1-Hwy 166 East
Coffeyville, Ks 67337
Phone # 316-251-8438 or 800-447-2456
Fax # 316-251-8493
John Eli
Steve Pitts

7. SUPERIOR DIESEL

1632 N. Stevens Street
P.O. Box 1187
Rhinelander, WI 54501
Phone # 715-369-5900
Fax # 715-369-5918
David Chaney
Bryan Wendt

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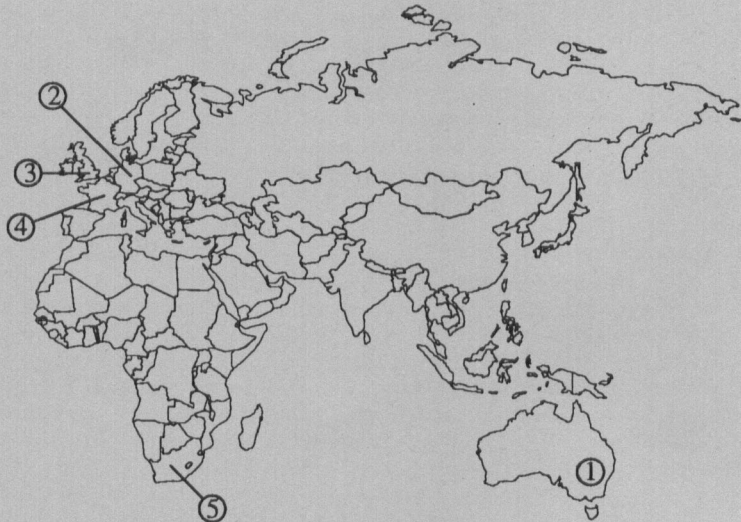
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Janice Shue - Cust. Service Rep.

Funk Manufacturing Company, Coffeyville Kansas 1-800-844-1337



FUNK
POWER

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1. ASHLEY BENOIT & CO. PTY. LTD.

Unit 6, 13 Hoyle Avenue
P.O. Box 12
Castle Hill NSW 2154
Australia

Phone # (61)-2-634-3200

Fax # (61)-2-899-2313

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Steve Robinson
Greg Jones
Dave Holloway

2. D G S DIESEL & GETRIEBE SRVC GMBH

Postfach 87
6500 Mainz Hechtsheim 42
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Boulevard De L'Europe
B.P. 15
F-28500 Vernouillet
France

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

Jack Nidelet

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Bergvlei Transvaal 2012
South Africa

Phone # (27)-11-786-4247

Fax # (27)-11-440-1547

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1-800-844-1337, FAX: (316) 252-3252 FOR PARTS/UNIT SALES FAX: (316) 252-3253 FOR SERVICE

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	
1-1-1	(3rd level)	XXXXXXX	CVR.FRT ASM SERV	1.00
			N/A XXXXX & XXXXX SEL	
			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

DESCRIPTION
CONFIGURATION SPEC
ENG. REVISION #J- 8/29/80 ECN 39125
S.12.2.7.1.47 & .79, SAE 3
#21 PER 40A1137, COVER GRP

SPEC. NO.
809EA

REFERENCE NO.	COMPONENT PART	DESCRIPTION	QTY.	DRAWING
0	1024M130018	ASM., POWER SHIFT	1.00	ASM PER 1024MXX0018 & 1024XXX0018 STD
1	4002900	LIM.EFF - SEE NARR	1.00	ASM PER 4002716 DWG 8/M APPLY LOCITE #222 TO F1002536 CAPSCRM TORQUE F1002536 CAPSCRM TO 15 LB.FT
1-1	4002877	ASM,FRT.COVER	1.00	ASM PER 4002720 DWG,N/A-SEE CRT TORQUE F1121824 CAP SCR TO 40 IN LBS. LIMITED EFF.REP BY 40A1221 FOR PROD. & 40A1314 FOR SERVICE
1-1-1	40A1166	COVER FRONT ASM	1.00	ASM PER 40A1161 DWG LIMITED EFF.REP BY 40A1227 FOR PROD. & 40A1385 FOR SERVICE
1-1-1-3	4003328	SEAL RING	1.00	
1-1-1-4	40A1125	COVER,OIL PASSAGE	1.00	
1-1-1-5	F1121824	CAPSCREW	3.00	
	40A1556	ASM,VLV CONV REL.	1.00	DRAWING
1-1-6	F1900316	PLUG,PIPE	1.00	
1-1-7	40A1115	GEAR,AUX PUMP "A"	1.00	
1-1-8	4001419	SHF AUX PTO	1.00	
1-1-9	F40307	BEARING	2.00	
1-1-10	F39000315	SNAP RING	2.00	
1-1-11	F39010131	SNAP RING	1.00	
1-1-12	4001488	LIM-ASM INP SHF	1.00	ASM PER 4002715 DRAWING 8/M LIM EFF REPL BY 40A1811 FOR PROD RETAIN FOR SERV; EFF DATE ECN 41921
1-1-13	4001484	SHF INP	1.00	
1-1-14	4000866	LIM-BALL BRG	1.00	
1-1-15	F39010177	SNAP RING	1.00	
1-1-16	4012328	RING SEAL	1.00	
1-1-17	4007244	LIM-ASM BRG RET	1.00	LIM EFF REPL BY 4007404 FOR PROD RETAIN FOR SERV; EFF DATE ECN 41921
1-8	4006084	STATOR SUPT TUBE	1.00	
1-9	4001117	PLATE, COVER	1.00	
1-10	F1002020	CAPSCREW	4.00	
1-11	F16201	LOCKWASHER	4.00	
1-12	F1002536	CAPSCREW	2.00	

SPEC. NO. 8098A DESCRIPTION CONFIGURATION SPEC ENG. REVISION #J- 8/29/80 ECN 39125
5.12.2.7.1.47 & .79, SAE 3
#%1 PER, 40A1137, COVER GRP

REFERENCE NO.	COMPONENT PART	DESCRIPTION	QTY.	DRAWING
1115	4002600	WASHER, THRUST	1.00	
1116	4001120	GEAR, IMP HUB	1.00	
1117	4002800	GSKT, PLASTIC STRIP	3.58	
1118	4001190	ASM BRG RET	1.00	
1119	4001104	BEARING	1.00	
1120	4001115	OIL SEAL	1.00	
1121	F650115	CAP SCREWS	9.00	
1122	F162002	LOCKWASHER	1.00	
1123	F324001	ELBOW	1.00	
1124	F682001	BREATHER, O PRESS.	1.00	
1125	4001121	O RING, A AUX. PUMP	1.00	
1126	4001140	CVR AUX PTC	1.00	
1127	F651181	OIL SEAL	1.00	
1128	F370305	OIL RING, OUTPUT SHF	1.00	
1129	4000326	GSKT, WASHER	1.00	
1130	F782871	NUT	1.00	
1131	4001660	NAME, PLATE	1.00	
1132	F310063	SCREW, DRIVE	1.00	
1133	F190012	PLUG, PIPE	1.00	
1134	F231001	PLUG, SHIPPING	1.00	
1135	4000609	INP, MID GRP	1.00	

FOR ASM DWG. SEE 40A6469
N/A 4006101 SEL

1136	4001899	FRONT HOUSING	1.00	
1137	F412085	BEARING	1.00	
1138	F390003	SNAP RING	1.00	
1139	F652145	OIL SEAL	1.00	
1140	4006521	GREASE FITTING	1.00	
1141	4000326	SHF - DR, CONV	1.00	
1142	F782871	FLAT WASHER	1.00	
1143	F100302	NUT SCREW	1.00	
1144	F150003	CAP SCREWS	1.00	
1145	F130005	STAFWUT	1.00	
1146	4045476	HEX NUT	1.00	
1147		ASM, CONV. 12 3/4	1.00	

DRAWING

1148	4012164	IMPELLER CONVERTER	1.00	
1149	4045383	HUB, IMPELLER	1.00	
1150	F370302	O RING	1.00	
1151	F180020	CAP SCREW	12.00	
1152	F180049	WASHER SEAL	1.00	
1153	4005365	RING, THRUST BRG	1.00	
1154	F553364	NEEDLE RACE	3.00	
1155	4000537	THRUST GASKET	1.00	

SPEC. NO. 8098A DESCRIPTION CONFIGURATION SPEC ENG. REVISION #J- 8/29/80 ECN 39125
S-12-2-7-1-47 & 79 SAE 3
#21 PER 40A1137 COVER GRP

REFERENCE NO.	COMPONENT PART	DESCRIPTION	QTY.	DRAWING
3-10	4045076	RACE INNER CLU	1.00	
3-11	4045077	RACE OUT CLU	1.00	
3-12	4045081	ASM CLU SPRAG	1.00	
3-13	4045350	RET CLU RPT	1.00	
3-14	4045079	RET CLU FRT	1.00	
3-15	F13111000	HEX NUT	24.00	
3-16	F36604	KEY SQUARE	4.00	
3-17	4045526	RG RET	2.00	
3-18	4045089	STATOR	1.00	
3-19	4045196	ASM TURBINE	1.00	DRAWING
3-20	F4902812N	BEARING	1.00	
3-21	F10025224	CAPSCREW	24.00	
3-22	4045432	COVER FRONT	1.00	
3-23	40032274	PLUG SHIPPING	1.00	
4	4002826	LIM EFF - SEE NAR	1.00	ASM PER 4002718 DRAWING B/M SHIM REF #4.5 & 6 W/.010/.030 END PLAY LIM EFF REPL BY 40A1782 FOR PROD RETAIN FOR SERV; ESTB PER ECN 40265
4-1	4002810	LIM EFF - SEE NAR	1.00	
4-2	40A1170	GASKET MAIN HSG	1.00	
4-3	40A1528	LIM EFF - SEE NAR	1.00	LIM EFF REPL BY 40A1789 FOR PROD RETAIN 40A1528 FOR SERV PER ECN 40265
4-5-1	40A1527	LIM EFF - SEE NAR	1.00	
4-5-2	F1003016	CAPSCREW	4.00	
4-5-3	40A1523	PACK SHIM 2ND STG	1.00	DRAWING
4-5-4	F37030245	O RING	1.00	
4-5-6	4002825	LIM EFF - SEE NAR	1.00	ASM PER 4002719 DRAWING B/M LIM EFF REPL BY 40A1781 FOR PROD RETAIN FOR SERV; ESTB PER ECN 40265
4-6-1	402814	LIM EFF - SEE NAR	1.00	
4-6-2	40A1522	PACK SHIM 3RD STG	1.00	
4-6-3	F1005020	CAPSCREW	1.00	
4-6-4	4E20013	STUD GRADE 5	2.00	
4-6-5	F37030245	O RING	1.00	
4-6-6	F37030242	O RING	1.00	
4-6-7	F1300900	HEX NUT	12.00	
4-6-8	F23378	PLUG SHIPPING	1.00	
4-7	40A6031	SUCTION SCREEN GRP	1.00	
4-7-1	40A6030	ASM SUCTION SCREEN	1.00	BILL OF MATERIAL DRAWING

SPEC. NO.
8098ADESCRIPTION
CONFIGURATION SPECENG. REVISION #J- 8/29/80 ECN 39125
5:12:27:1:47 & :79:SAE 3
#1 PER 40A1137, COVER GRP

REFERENCE NO.	COMPONENT PART	DESCRIPTION	QTY.	DRAWING
4-7-2	4006404	GASKET	1.00	
4-1-1	F1900120	PLUG PIPE	2.00	
4-1-2	F190014	PLUG PIPE	2.00	
4-1-3	F1900123	PLUG PIPE LOCATING	2.00	
4-1-4	F1900123	PLUG PIPE	2.00	
4-1-5	F1900123	PLUG PIPE	2.00	
4-1-6	F1900123	PLUG PIPE	2.00	
4-1-7	F1900123	PLUG PIPE	2.00	
4-1-8	F1900123	PLUG PIPE	2.00	
4-1-9	F1900123	PLUG PIPE	2.00	
4-19-1	4006426	ASM. TUBE	1.00	DRAWING
4-19-2	4001221	O RING STRAINER	1.00	
4-19-3	4001153	GSKT OIL STRAINER	1.00	
4-19-4	4007071	ASM. CVR OIL STRNR	1.00	BILL OF MATERIAL
4-19-6	F19005036	CAPSCREW	1.00	
4-19-8	F19002012	CAPSCREW	6.00	
4-21	40A1696	GRP. BRG. RETAINER	1.00	DRAWING
4-21-1	40A1698	RETAINER BEARING	1.00	
4-21-2	40A6009	PACK SHIM 1ST STG	1.00	
4-21-3	F37030233	O RING	1.00	
4-21-4	F19005016	CAPSCREW	4.00	
4-21-5	F190034	PLUG PIPE - SEE NAR	1.00	
5	4006281	LIM EFF	1.00	DRAWING
		LIM EFF	1.00	REPL BY 40A6258 FOR PROD&SERV
		LIM EFF	1.00	ESTB PER ECN 39543
5-1	4006282	LIM EFF - SEE NAR	1.00	
		LIM EFF	1.00	DRAWING
		LIM EFF	1.00	REPL 40A6317 FOR PROD & SERV
		LIM EFF	1.00	ESTB PER ECN 41604
5-1-1	4003257	ASM. MANIFOLD REM.	1.00	DRAWING
5-1-1-1	4003258	MANIFOLD PUMP	1.00	
5-1-1-2	F4601210	BEARING	1.00	
5-1-2	4006323	LIM EFF - SEE NAR	1.00	
		LIM EFF	1.00	DRAWING
		LIM EFF	1.00	REPL BY 40A6253 FOR PROD
		LIM EFF	1.00	ESTB PER ECN 39543

SPEC. NO. 8098A DESCRIPTION CONFIGURATION SPEC ENG. REVISION #J- 8/29/80 ECN 39125
5.12.2.7.1.47.3.79.SAF.3
#%1 PER 40A1137 COVER GRP

REFERENCE NO.	COMPONENT PART	DESCRIPTION	LIM EFF - SEE NAR	QTY.	DRAWING
6-2-1	4001755			1.00	LIM EFF REPL BY 40A1608 FOR PROD&SERV
				LIM EFF ESTB PER ECN 40500	
2-3	4001738	PISTON CLUTCH		2.00	
2-3	4001738A	SEAL PSIN OUTER		2.00	
2-3	4001210	ORING PISTON		22.00	
2-3	4002787	PLATE CLUTCH SEP		22.00	
2-3	400121323	RET. CLUTCH PLATE		22.00	
2-3	4006777	RING SNAP		2.00	
2-3	40012383	SPRING, CLUTCH SPR.		2.00	
2-3	4001025	RETAINER, CLU SPR.		2.00	
2-3	4001846	SNAP RING		4.00	
2-3	F81677	BEARING		2.00	BILL OF MATERIAL
2-3	F41209	ASM WELD GEAR		1.00	
2-3	4002426	SNAP RING		2.00	
2-3	F39000334	BEARING		1.00	
2-3	F621309F	BEARING		1.00	
2-3	F40108	SNAP RING GEAR & HUB		1.00	BILL OF MATERIAL
2-3	F39000268	ASM WELD GEAR		1.00	
2-3	4001726	SNAP RING		1.00	
2-3	F81656	BEARING		1.00	
2-3	F621208F	RING - ASM CLU 3RD		1.00	
2-3	40012365			1.00	
2-3	4002975			1.00	
				ASM PER 4002705 DWG 8/M	
				LIM EFF REPL BY 40A1621 PROD & SERV	
				EFF DATE ESTB PER ECN 40500	
6-3-1	4002976			1.00	DRAWING
				LIM EFF REPL BY 40A1622 FOR PROD&SERV	
2-3	4001738	PISTON CLUTCH		1.00	
2-3	40012376A	SEAL PSIN OUTER		2.00	
2-3	4001210	ORING PISTON		2.00	
2-3	4002787	PLATE CLUTCH SEP		19.00	
2-3	400121323	RET. CLUTCH PLATE		19.00	
2-3	4006777	RING SNAP		2.00	
2-3	40012383	SPRING, CLUTCH SPR.		2.00	
2-3	4001025	RETAINER, CLU SPR.		2.00	
2-3	F81677	BEARING		4.00	
2-3	F40109	ASM WELD GEAR & HUB		2.00	
2-3	F39000300	SNAP RING		1.00	BILL OF MATERIAL
2-3	F621727	BEARING		1.00	
2-3	4001026	BEARING		1.00	
2-3	F621309F	BEARING		1.00	
2-3	F40108	BEARING		1.00	

SPEC. NO.
8098A

DESCRIPTION
CONFIGURATION SPEC

ENG. REVISION #J- 8/29/80 ECN 39125
5:12,2:7,1:47 & .79,SAE 3
#21 PER 40A1137,COVER GRP

REFERENCE NO.	COMPONENT PART	DESCRIPTION	QTY.	DRAWING
6-3-18	F39000268	SNAP RING	1.00	
6-3-19	4001725	ASM WELD GEAR & HUB	1.00	BILL OF MATERIAL
6-3-20	F81656	SNAP RING	1.00	
6-3-21	F621208R	BEARING	1.00	
6-3-22	4012365	RING SEAL	3.00	
6-3-23	4002562	PISTON,CLU	1.00	
6-4	4002501	OUTPUT GROUP	1.00	DRAWING
6-4-1	4002503	SHAFT, OUTPUT	1.00	
6-4-2	4001026	GEAR,3RD OUTPUT	1.00	
6-4-3	F58032	BEARING	2.00	
6-4-4	F58525	BEARING	2.00	
7	40A1398	OBS,REPL 40A1570	1.00	DRAWING
		OBSOLETE, RREPL BY 40A1570 PROD & SERV		
7-1	40A1397	OBS,REPL. 40A1569	1.00	DRAWING
7-1-1	4002530	OBSOLETE,SEE NARR.	1.00	DRAWING
		OBSOLETE, REP BY 40A1568 FOR PROD		
		SERVICE WITH 40A1532 SERV KIT		
7-1-1-1	F56885	ROLLER	1.00	
7-1-1-2	4001290	PLUG	3.00	
7-1-1-3	40392071	CRING	5.00	
7-1-1-4	4001064	PSTN,BRK CUTOFF	1.00	
7-1-1-5	4001285	CRING	1.00	
7-1-1-6	40A1396	VLV BRK CONTROL	1.00	
7-1-1-7	4002333	SPRING,BRK FEATH	1.00	
7-1-1-8	4001394	SPP RETURN FEATHER	1.00	
7-1-1-9	4002017	CAP FEATHERING	1.00	
7-1-1-10	4001284	CRING	1.00	
7-1-1-11	4001080	PLUG DUMP VALVE	1.00	
7-1-1-12	4001074	SPP DUMP VLV	1.00	
7-1-1-13	4001081	VALVER	1.00	
7-1-1-14	4001081	VALVER	1.00	
7-1-1-15	F56790	ROLLER	1.00	
7-1-1-16	4001661	VLV MOD	1.00	
7-1-1-17	4001388	SPP,MAIN REG	1.00	
7-1-1-18	4001845	VALVE	1.00	
7-1-1-19	4001578	STEIN,FEATHERING	1.00	
7-1-1-20	4002610	PIN,DEWELL	1.00	
7-1-1-21	F2710425	CAP,REG	1.00	
7-1-1-22	4TRC7225	STEM,FWD REV CONT.	1.00	
7-1-1-23	4002608	SPCR,FWD & REV	1.00	
7-1-1-24	4001655	SNAP RING	1.00	
7-1-1-25	F3901043	SNAP RING	1.00	

SPEC. NO. 8098A DESCRIPTION CONFIGURATION SPEC ENG. REVISION #J- 8/29/80 ECN 39125
5.12.2.7.1.47 & .79, SAE 3
#21 PER 40A1137, COVER GRP

REFERENCE NO.	COMPONENT PART	DESCRIPTION	QTY.	DRAWING
7-1-26	F65227	OIL SEAL	3.00	BILL OF MATERIAL
7-1-27	40A1102	ASM, STEM	1.00	
7-1-28	4000091	PLUG, PIPE	1.00	
7-1-29	4000011	SWITCH	1.00	
7-1-30	4000018	SPACER, SPRING	1.00	
7-1-31	4000165	NIPPLE, REDUCING	1.00	
7-1-32	4003333	TEE, ELBOW, FLARED	1.00	
7-1-33	4003333	CHECK VALVE	1.00	
7-1-34	4003333	FEMALE ELBOW	1.00	
7-1-35	4003333	FORK, STOPPING	1.00	
7-1-36	4002235	TAG, WARNING	1.00	
7-1-37	4002235	ASM, OIL TUBE	1.00	
7-1-38	4002235	ADAPTER	1.00	
7-1-39	4002235	ELBOW	1.00	
7-1-40	4002235	ELBOW	1.00	
7-1-41	4002235	GASKET, VALVE BODY	1.00	
7-1-42	4002235	SPR DETENT	1.00	
7-1-43	4001079	BALL SCREW	2.00	
7-1-44	4001079	WASHER, FLAT	15.00	
7-1-45	4001079	PLUG, PIPE	15.00	
7-1-46	4001079	LIM EFF	2.00	
7-1-47	4002235	SEE NAR	1.00	

ASM PER 4002717 DRAWING 8/M
LIM EFF REPL BY 40A1780 FOR PROD
RETAIN FOR SERV; ESTB PER ECN 40265

08-1-2	4002235	LIM EFF	1.00	
08-1-3	4002235	HUB, CLUTCH	1.00	
08-1-4	4002235	PLATE, SEPARATOR	1.00	
08-1-5	4002235	PISTON, INT. BRK.	7.00	
08-1-6	4002235	LATHE, CUT SEAL RG	6.00	
08-1-7	4002235	SPRING, CUT SEAL RG	1.00	
08-1-8	4002235	GASKET, INT. BRAKE	1.00	
08-1-9	4002235	CAP, INTERNAL BRAKE	1.00	
08-1-10	4002235	OIL SEAL	1.00	
08-1-11	4002235	BOLT, HEX	1.00	
08-1-12	4002235	WASHER	3.00	
08-1-13	4002235	ELBOW SHIPPING	1.00	
08-1-14	4002235	PLUG, SEAL	1.00	
08-1-15	4002235	PRING, SEAL	1.00	
08-1-16	4002235	MALE ELBOW, FLARED	1.00	
08-1-17	4002235	BLEED SCREW	1.00	
08-1-18	4002235	CAP	1.00	
08-1-19	4002235		14.00	
08-1-20	4002235		1.00	
08-1-21	4002235		1.00	
08-1-22	4002235		1.00	

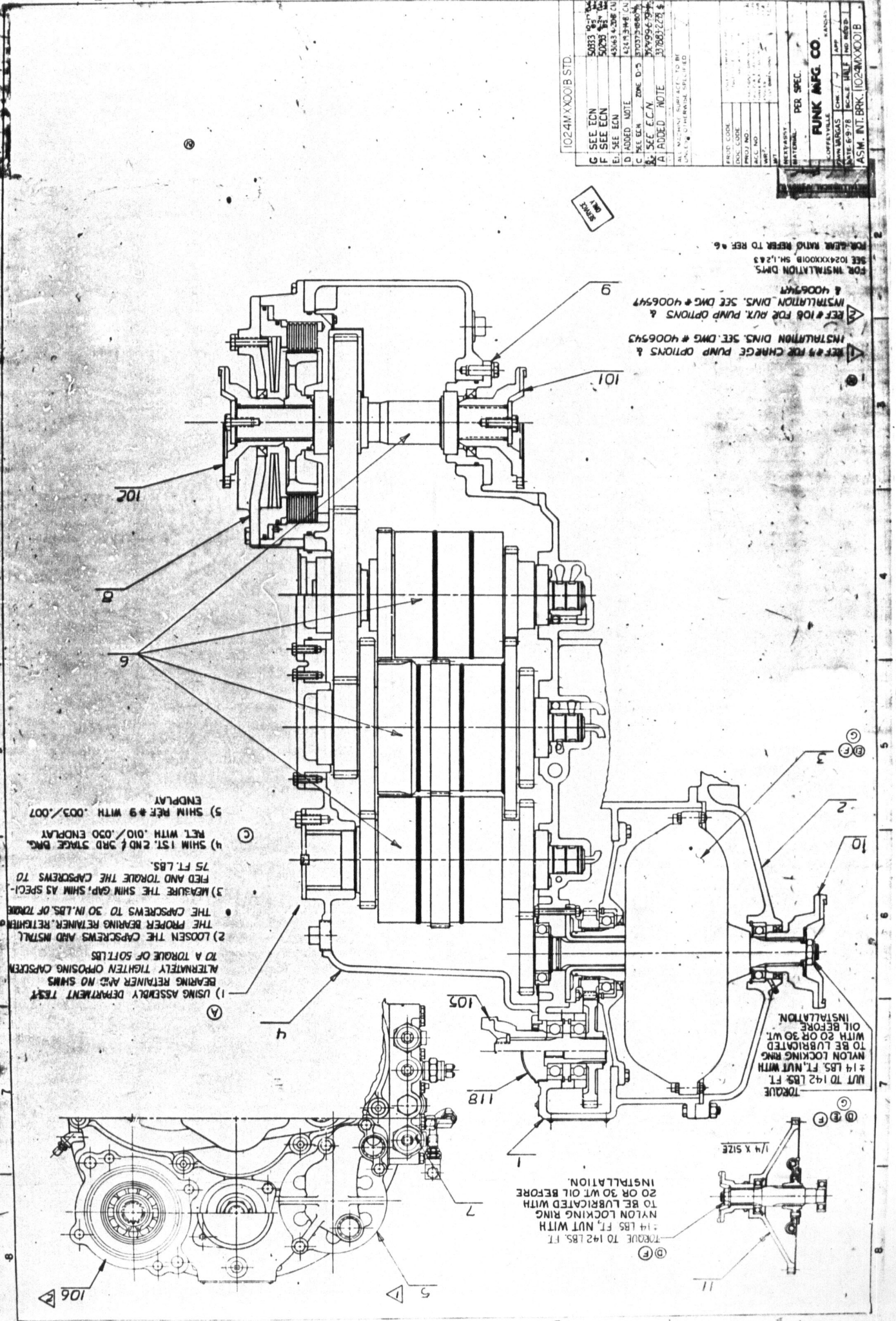
SPEC. NO. 8098A DESCRIPTION CONFIGURATION SPEC ENG. REVISION #J- 8/29/80 ECN 39125
5.12, 2.7, 1.47 & .79, SAE 3
#1 PER 40A1137, COVER GRP

REFERENCE NO.	COMPONENT PART	DESCRIPTION	QTY.	DRAWING
8-22	4002818	ASM, BAFFLE	1.00	4002726 DWG B/M SHIM REF #4, 5 & 6 W/.003/.007 END PLAY
8-23	F100108	CAPSCREW	4.00	
8-24	4028376	STUD, GRADE 5	2.00	
8-25	F13009000	HEX NUT	2.00	
8-26	F37030276	O RING	1.00	
9	4002821	GRP, OUTPUT RET.	1.00	
9-1	4002817	CAP, OUTPUT	1.00	BILL OF MATERIAL
9-2	F37030243	O RING	1.00	
9-3	F6512120	OIL SEAL	1.00	
9-4	F1005006	CAPSCREW	4.00	
9-5	40A6006	SHIM PACK	1.00	
11-1	4002507	YOKER, FITTING	1.00	
11-2	4058072	YOKER, DAMPER, P.T.O	1.00	
11-3	4058001	HOUSING	1.00	
11-4	F4020855	BEARING	1.00	
11-5	F39000315	SNAP RING	1.00	
11-6	4000868	SEAL WASHER	1.00	
11-7	4000326	FLAT NUT	1.00	
11-8	F7532014	PIN, COTTER - DR, PTO	1.00	
11-9	F2600724	OBS-SHF - DR, PTO	1.00	
11-10	4058012	BEARING	1.00	
11-11	F4030655	ASM, DRIVE PLT.	1.00	
11-12	4000854	FLANGE, OUTPUT GRP	1.00	ASM PER 4006540 DRAWING B/M
101-1	4001496	FLANGE COMPANION	1.00	LIM EFF REPL BY 4F20024 FOR PROD RETAIN FOR SERV ECN# 43049 DRAWING
101-2	4001217	O RING	1.00	
101-3	4010464	WASHER, YOKE	1.00	
101-4	F1047520	BOLT, PLACE	1.00	
101-5	4004534	LIM-SHIM PACK	1.00	
102	4002508A	FLG. OUTPUT GRP	1.00	ASM PER 4006540 DWG B/M
102-1	4001496	FLANGE COMPANION	1.00	LIM EFF REPL BY 4F20024 FOR PROD RETAIN FOR SERV ECN# 43049 DRAWING
102-2	4001217	O RING	1.00	
102-3	4010464	WASHER, YOKE	1.00	
102-4	F1047520	BOLT, PLACE	1.00	
102-5	4004534	LIM-SHIM PACK	1.00	

REFERENCED BILL OF MATERIAL DATE PRINTED 8/04/81 AS OF 8/04/81 ENG. REVISION #J- 8/29/80 ECN 39125
SPEC. NO. 8098A DESCRIPTION CONFIGURATION SPEC #12, 2.7, 1.47, & .79, SAE 3
#21 PER, 40A1137, COVER GRP

REFERENCE NO.	COMPONENT PART	DESCRIPTION	QTY.	DRAWING
105	F84202	YOKE	1.00	
106	4001430	PUMP ADAPTER GRP	1.00	
		ASM PER 4006548 DWG 8/M		
06-1-1	4001431	ASM ADAP AUX B	1.00	BILL OF MATERIAL
06-1-2	4001432	ADAPTER PUMP	1.00	
06-1-3	4001433	GEAR, AUX. PUMP	1.00	
06-1-4	F40208R	BEARING	2.00	
06-1-5	F39010156	SNAP RING	1.00	
06-1-6	4001212	O RING, PUMP ADAP.	1.00	
06-1-7	4001468	O RING, PUMP ADAP.	1.00	
06-1-8	F1005024	CAPSCREW	4.00	
06-1-9	F16204	LOCKWASHER	4.00	
06-1-10	F23378	PLUG, SHIPPING LUBE	1.00	
06-1-11	4002914	ASM, FITTING LUBE	1.00	DRAWING
01-1-1	4002913	FTG. TEMP. SENDER	1.00	
01-1-2	4002539	VALVE, LUBE BY-PASS	1.00	
01-1-3	4002541	SPRING, LUBE	1.00	
01-1-4	F3900075	SNAP RING	1.00	
01-1-5	F2509414	PIN, ROLL	1.00	
01-1-6	4002640	SPACER SPRING	1.00	
01-1-7	4006763	NUT, TRUSEAL	1.00	
01-1-8	F2310023	PLUG, SHIPPING	1.00	
01-1-9	F2310037	COVER, GROUP	1.00	
01-1-10	40A1137	COVER PLATE SAE B	1.00	BILL OF MATERIAL
01-1-11	4004355	GASKET, COVERING	1.00	
01-1-12	4004355	PLUG, SHIPPING	1.00	
01-1-13	F2310033	PLUG, SHIPPING	1.00	

1024MXX001B



- 1) USING ASSEMBLY DEPARTMENT TEST BEARING RETAINER AND NO SHIMS ALTERNATELY TIGHTEN OPPOSING CAPSCREWS TO A TORQUE OF 50 FT.LBS.
- 2) LOOSEN THE CAPSCREWS AND INSTALL THE PROPER BEARING RETAINER. RETIGHTEN THE CAPSCREWS TO 30 IN. LBS. OF TORQUE.
- 3) MEASURE THE SHIM GAP, SHIM AS SPECIFIED AND TORQUE THE CAPSCREWS TO 75 FT. LBS.
- 4) SHIM 1ST, 2ND & 3RD STAGE BNG. RCT WITH .010/.030 ENDPAY
- 5) SHIM REF #9 WITH .003/.007 ENDPAY

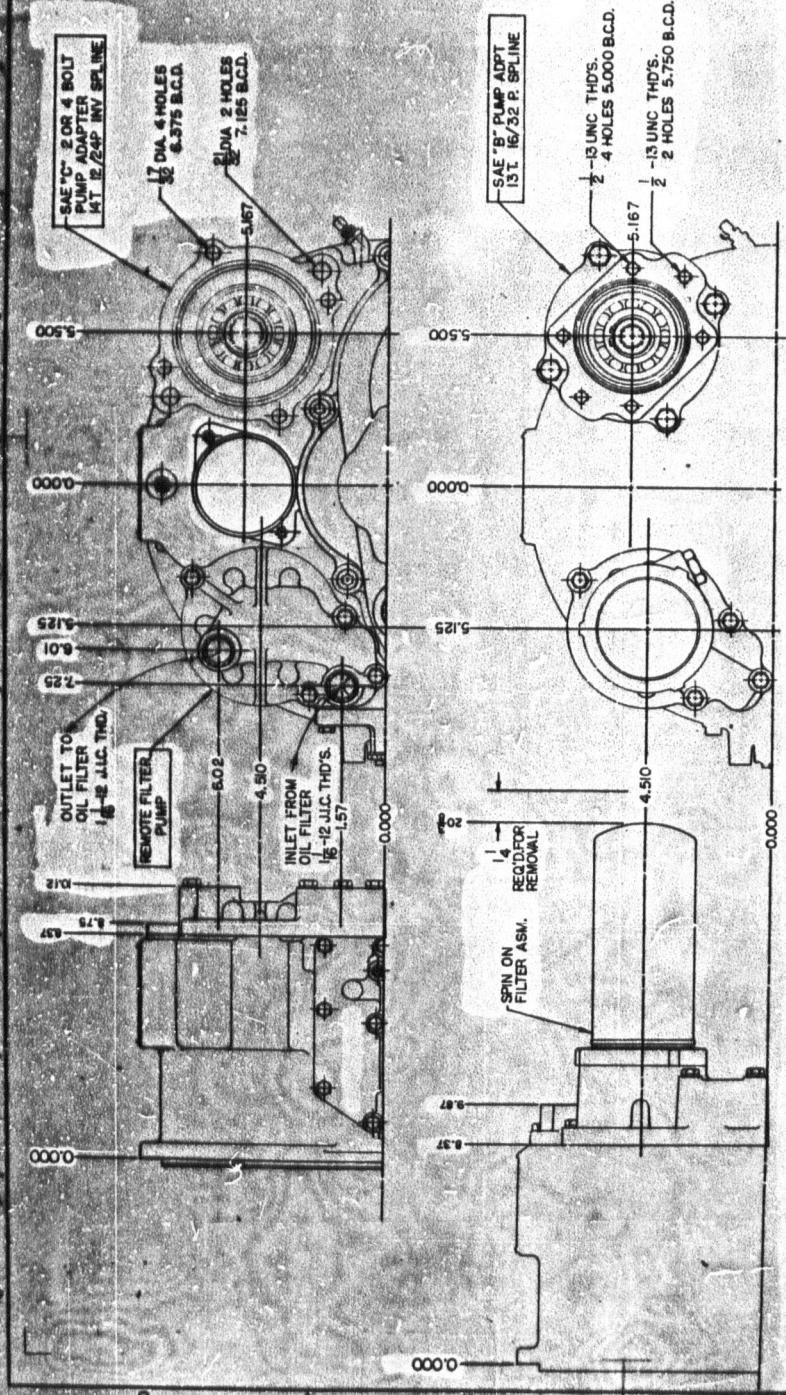
TORQUE TO 142 LBS. FT
± 14 LBS. FT. NUT WITH
NYLON LOCKING RING
TO BE LUBRICATED WITH
20 OR 30 WT OIL BEFORE
INSTALLATION.

TORQUE TO 142 LBS. FT
± 14 LBS. FT. NUT WITH
NYLON LOCKING RING
TO BE LUBRICATED WITH
20 OR 30 WT OIL BEFORE
INSTALLATION.

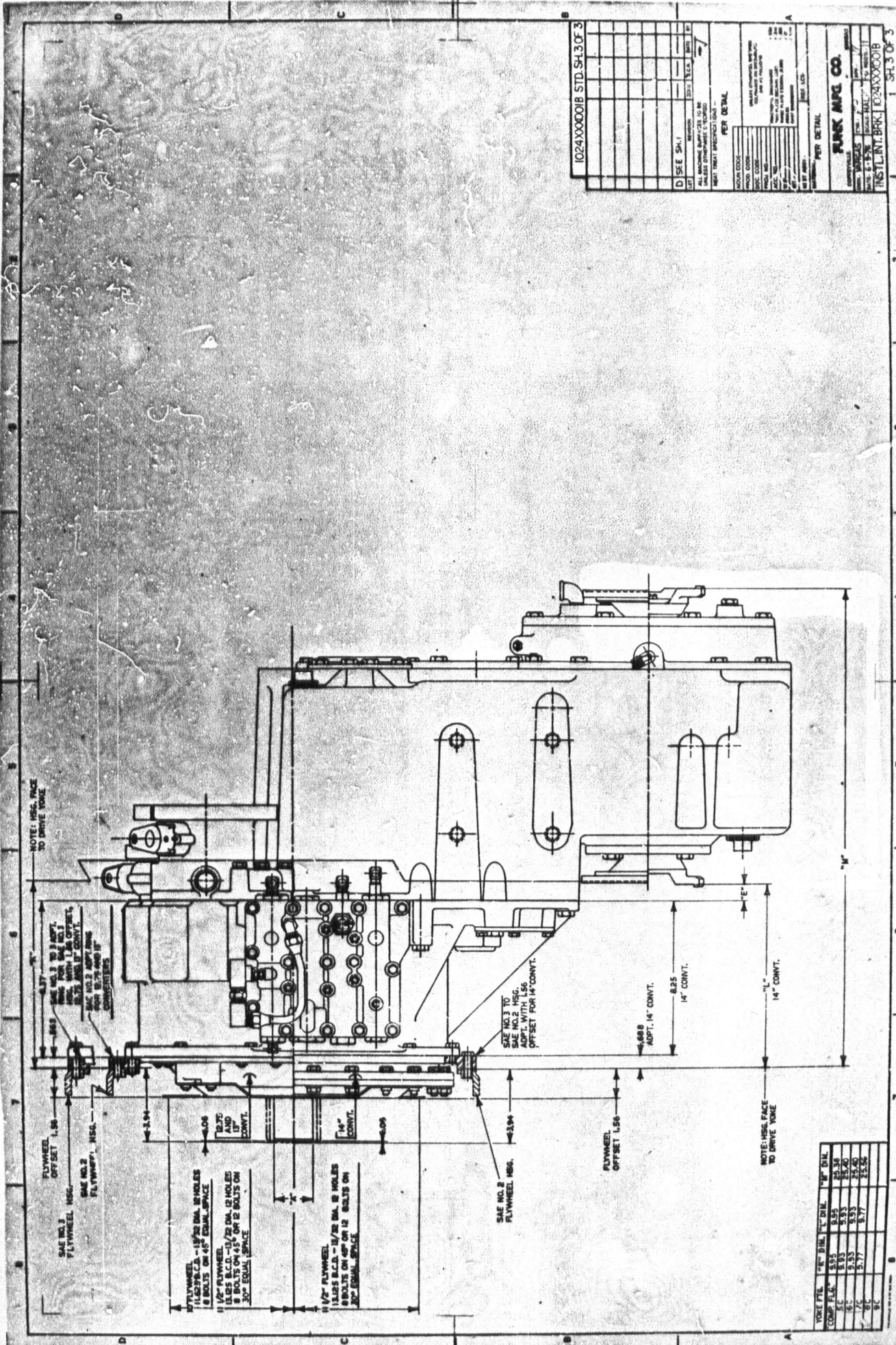
REF #9 FOR CHARGE PUMP OPTIONS & INSTALLATION DINS. SEE DWG # 4006543
REF #106 FOR AUX. PUMP OPTIONS & INSTALLATION DINS. SEE DWG # 4006547
FOR INSTALLATION DINS. SEE 1024MXX001B SH. 1, 2 & 3
FOR CLEAR RATIO REFER TO REF #6

1024MXX001B STD.	
G SEE ECN	50833
F SEE ECN	50295
E SEE ECN	43543 & 208 CU
D ADDED NOTE	43543 & 208 CU
C SEE ECN	37037 & 208 CU
B SEE ECN	37037 & 208 CU
A ADDED NOTE	37037 & 208 CU
ALL DIMENSIONS SURFACE TO BE UNLESS OTHERWISE SPECIFIED	
PRINT CODE	1024MXX001B
DWG CODE	1024MXX001B
PROJ NO	1024MXX001B
APP NO	1024MXX001B
REV	1024MXX001B
PER SPEC.	
FUNK MFG. CO.	
COFFEEVILLE	
DATE 6-9-78	
SCALE 1/4" = 1"	
ASW. INT. BRK. 1024MXX001B	

1024XXX001B
2073



1024XXX001B STD. SH. 2									
D	WE	SHIFT	1	2	3	4	5	6	7
ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES									
PER DETAIL									
FUNK MFG CO.									
INSTL. INT. BKN. 1024XXX001B									
1 SIZE OF 3									



YORK FTS.	"B" DIM.	"L" DIM.	"W" DIM.
COMP. FLG.	9.95	9.95	25.36
5C	8.93	9.93	25.40
6C	9.93	9.93	25.40
7C	9.77	9.77	25.56
8C			
9C			

1024XXXXOIB STD. SH.3 OF 3

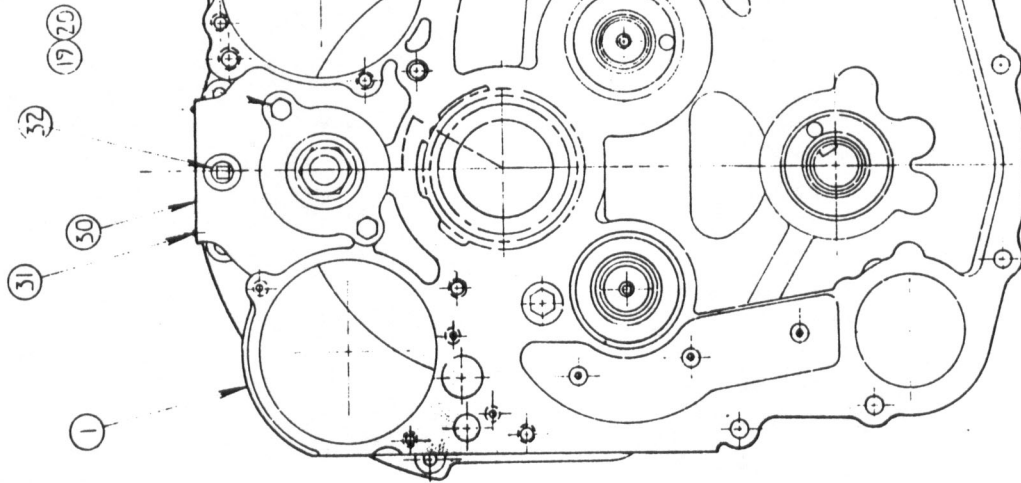
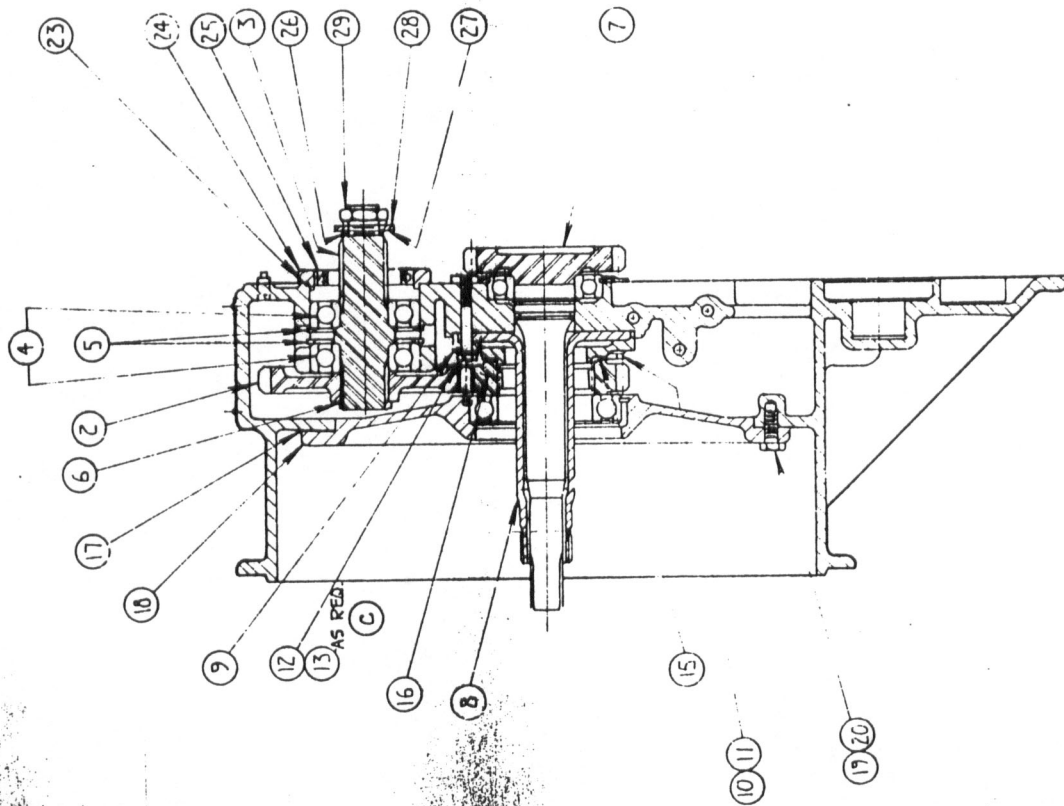
DATE	2024	S.C.A.	DATE	10
REF	SEE SM-1	REVISION		

ALL MACHINE REPLICATES TO BE
UNLESS OTHERWISE SPECIFIED
TREAT TREAT SPECIFICATIONS

PER DETAIL	INLANDS (STANDARD, NEW, USED) TELEPHONE NAME OF PUBLISHER	100 200 300 400 500 600 700 800 900 1000	SHEET LISTS SHEET LIST
AUTHOR CODE PUBLISHER CODE BOOK CODE PUBLISHER ACC. NO. P. NO. P. NO.	INLANDS (STANDARD, NEW, USED) TELEPHONE NAME OF PUBLISHER	100 200 300 400 500 600 700 800 900 1000	SHEET LISTS SHEET LIST

PER DETAIL	
FUNK APD CO.	
CUMMINGSVILLE	
DATE	DATE
SCALE	SCALE
INSTR.	INSTR.
INT. BRK.	INT. BRK.
1024XXXX01B	1024XXXX01B

INSTEAD OF REF. #17
REFER TO DWG. #40A1097



SERV ONLY

NOTE: THIS DWG. REPRESENTS THE FOLLOWING 3/M's:
4002499-4002900 A
4002549-4002899 B
4001375-4001376 D

* NOTE: REMOVE ITEMS 21 & 22 & INSTALL
ITEMS 34 & 33 FOR SHIPMENT. BAG ITEM 21
22 ATTACH TO UNIT.

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MANUFACTURING COMPANY MAY OTHERWISE AGREE IN WRITING.

4002716

E	SERV ONLY	—	925-8
D	ADDED B/M'S	A4	370953258
C	ADDED AS REQ. TO REF. #13		3691535-8
B	ADDED NOTE	D4	3-127
A	UPDATE PICTORIAL VIEW B/M LISTING		83-1E
	REVISION	DATE	

ALL MACHINE SURFACES TO BE
FINISHED UNLESS OTHERWISE SPECIFIED
HEAT TREAT SPECIFICATIONS —

STANDARD CODE	STANDARD SPECIFIED DIMENSIONS
PROJ. NO.	STANDARD SPECIFIED DIMENSIONS
ACC. NO.	STANDARD SPECIFIED DIMENSIONS
WGT.	STANDARD SPECIFIED DIMENSIONS
WGT.	STANDARD SPECIFIED DIMENSIONS

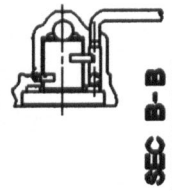
MATERIAL	PER APPLICABLE B/M
REF. ASSY	NONE
REF. LCS	

FUNK MFG CO	COFFEYVILLE
DWG. #	4002716
DATE	5-24-78
SCALE	NONE
APP. #	22
DWG. ASN	FRT CVR INP SHF 4002716

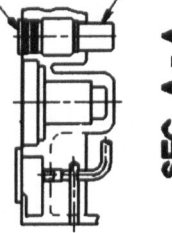
1 700-1000

NOTES:

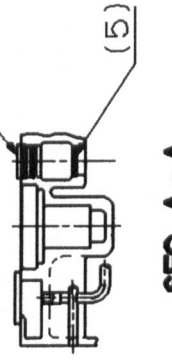
- REF # 3
SPRAY LOCTITE PRIMER "1" TO HSG &
COVER PLATE BEFORE APPLICATION OF
LOCTITE # 620 AS FOLLOWS.
- APPLY LOCTITE # 620 UNDER THE
COVER PLATE IN A CONTINUOUS BEAD
APPROX .06"-.08" WIDE AROUND OPENING
ON FRONT COVER AND ON THE COVER
PLATE - APPLY GENEROUS AMOUNT OF
LOCTITE # 620 UNDER THE CAPSCREW
HEADS AND IN THE COUNTERSUNK HOLE
AREA
- AFTER LOCTITE IS APPLIED TORQUE
CAPSCREWS FROM CENTER OUT - ALLOW
30 MINUTES FOR INITIAL SET OF
LOCTITE - TOTAL CURE IS 8 HOURS
- FUNCTIONAL AFTER 1 HOUR
- REF #5
PRESS VALVE ASM INTO BORE
UNTIL VALVE SEAT SHOULDERS
AGAINST BOTTOM OF BORE.
- REF #6
APPLY SLICITITE SEALANT
INSTALL PLUG FLUSH TO 1/8
ABOVE SURFACE



SEC B-B

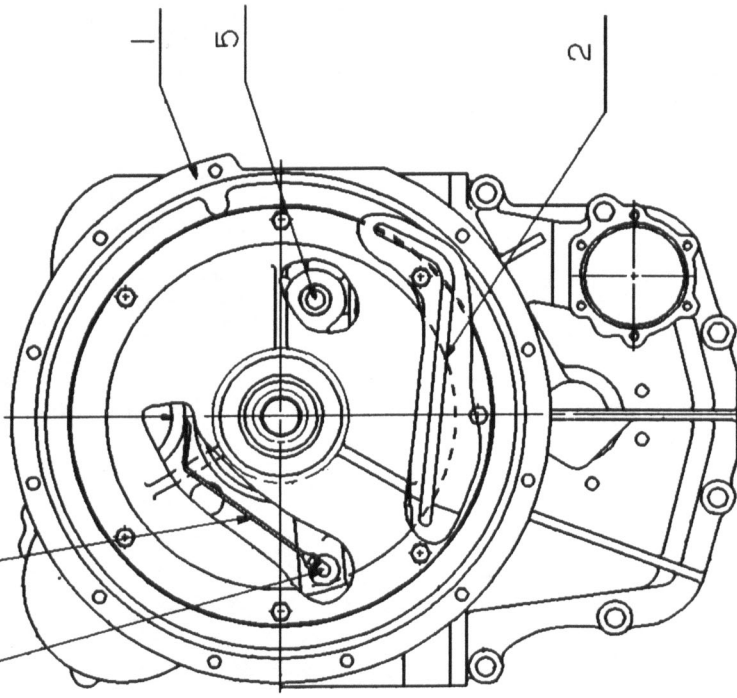
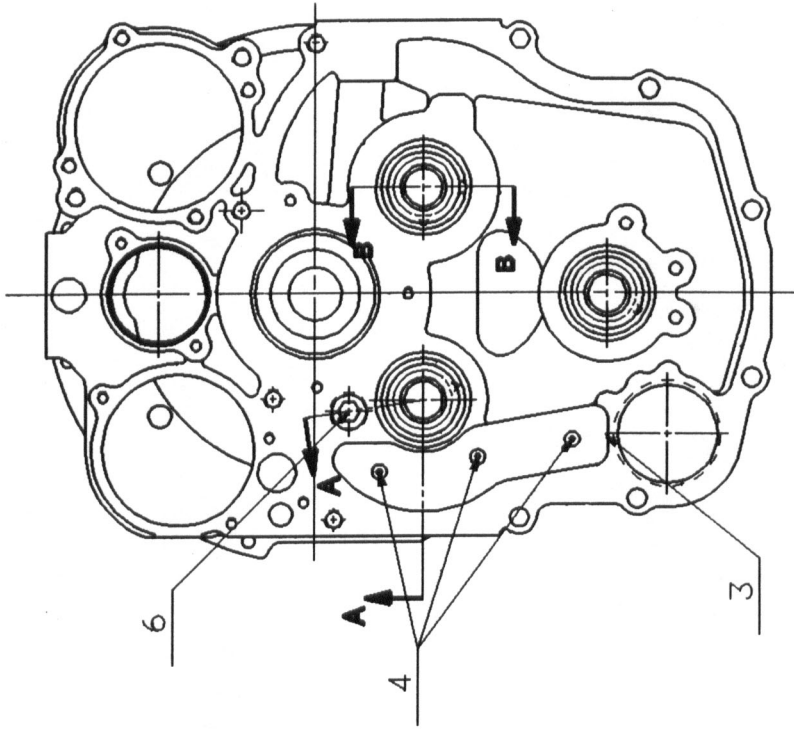


SEC A-A



SEC A-A

APPLIES TO 40A6362
& 40A1836 B/M ONLY



THIS DWG REPRESENTS
THE FOLLOWING B/M:

- 4002858
- 4002877
- 40A1314
- 4001799
- 40A1315
- 40A1312

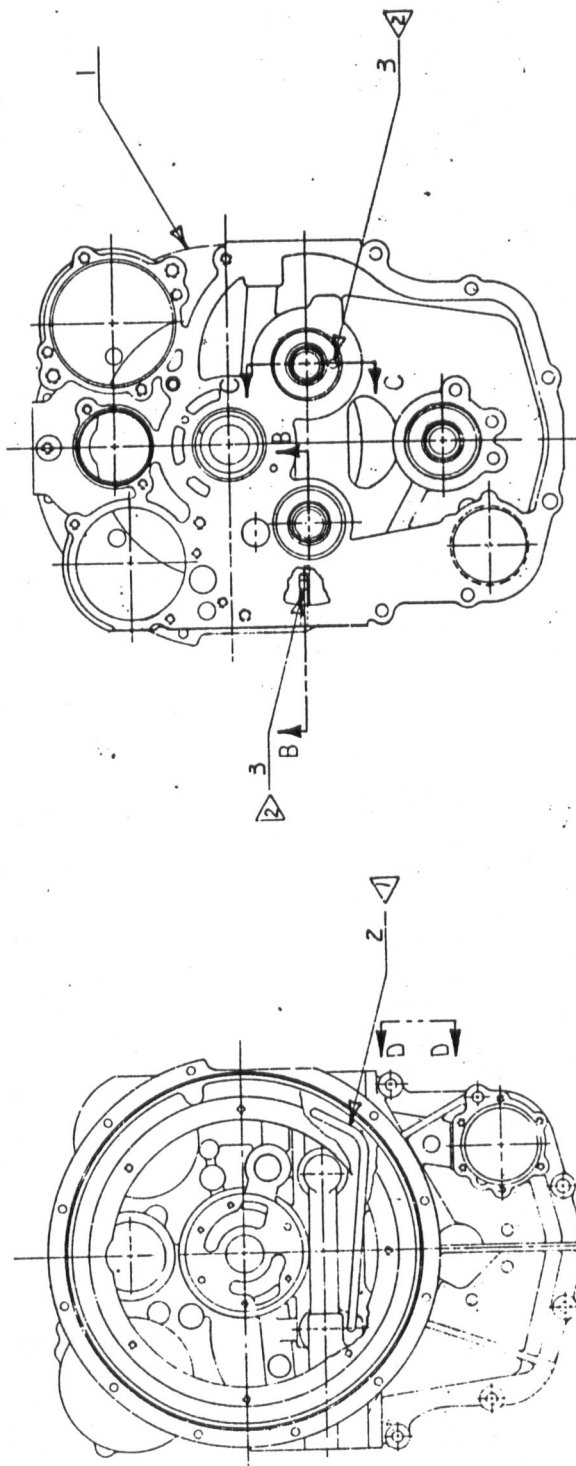
NOTES:

P.O. BOX 572
CORTEVILLE KANSAS
67337

FUNK

DWN-JV	DATE- 7-28-78	BASIC REF# 1-1
JOS	2-29-88	CHK- JRW
RSV	1-26-87	
REVISE FORMAT	---	
REV & REDWN ON CADAM	---	
LET	REVISION	DATE
BY	ZONE	SHEET- 1 OF 1
DATE		PART# 4002720

40A6001 - 40A6002
40A6003 - 40A6004
40A1162 - 40A1163
40A1164 - 40A1165
40A1166 - 40A1383
40A1384 - 40A1385
40A1386
40A6233
40A6204
40A6402
40A1984
40B1067



THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF FUMK MANUFACTURING COMPANY, ~~REDACTED~~ AND MUST BE USED STRICTLY IN ACCORDANCE WITH THE LIMITED PURPOSE FOR WHICH IT WAS SUBMITTED. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT AS FUMK MANUFACTURING COMPANY MAY OTHERWISE AGREE. WRITING

NOTES:

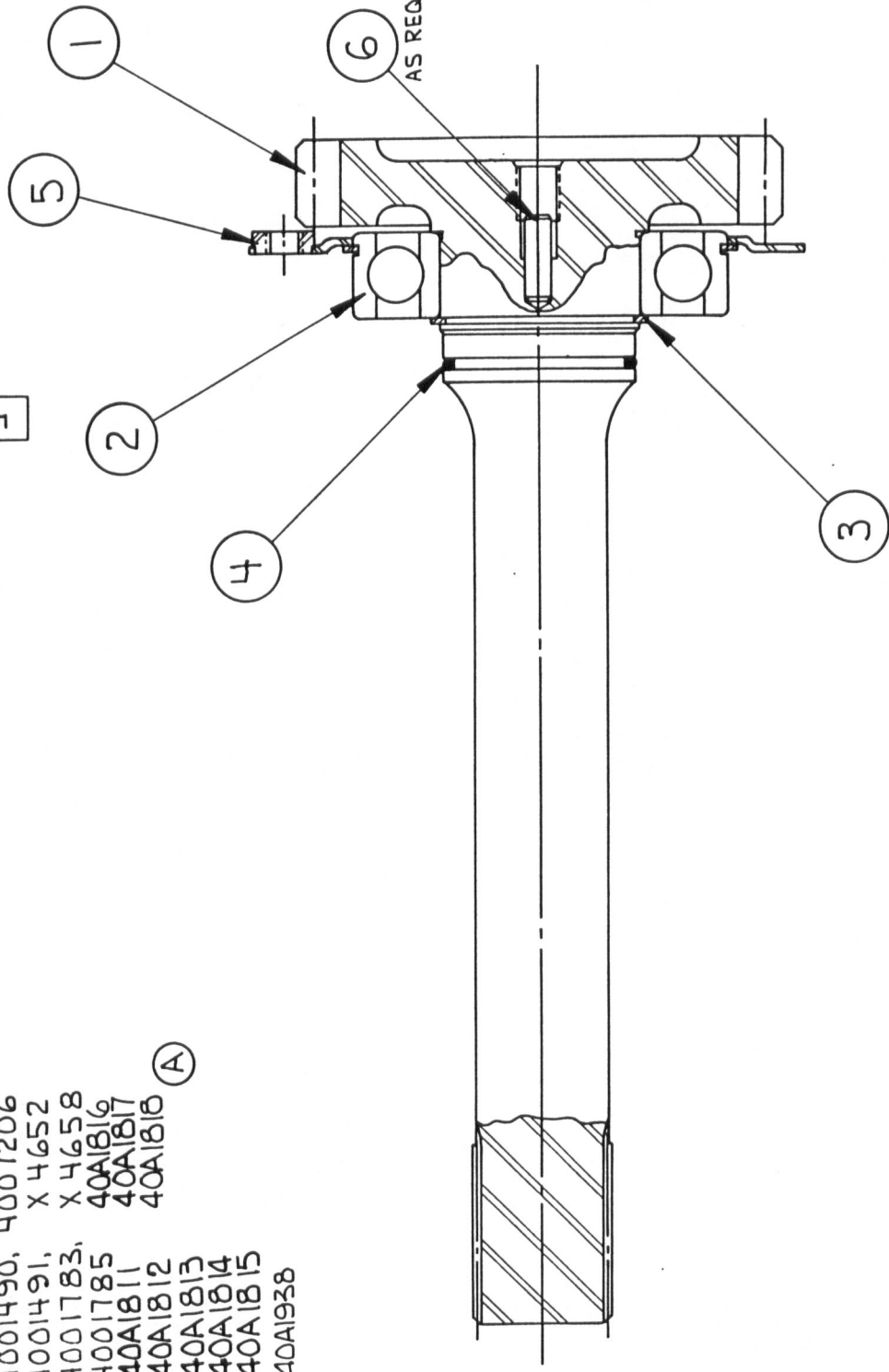
LONG END OF REF NO.7 TO HAVE 3/8 ENGAGEMENT
SHORT END TO HAVE 5/16 ENGAGEMENT. SWAGE TUBE
TO 5/16 LENGTH. ROTARY SWAGE TUBE AS SHOWN.
PRESS BALL'S FLUSH TO 1/32 BELOW SURFACE.

[illegible]

MODEL 100 3-78 MACT78279

HIS DWG REPRESENTS THE
FOLLOWING B/M:
1001488, 4001851
1001489, 4001977
1001490, 4007206
1001491, X 4652
1001783, X 4658
1001785, 40A1816
40A1811, 40A1817
40A1812, 40A1818
40A1813, 40A1814
40A1815, 40A1815
40A1938

4002715



LET.	REVISION	ZONE	EC.N.	DATE	BY
B	ADD 40A1938	—	—	3-8-82	RD
A	SEE ECN	—	42032	2-3-81	DED

ALL MACHINE SURFACES TO BE:
UNLESS OTHERWISE SPECIFIED
HEAT TREAT SPECIFICATIONS —

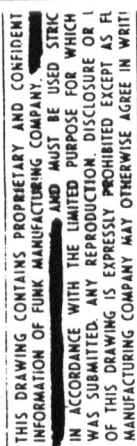
NOUN CODE-	—
PROD. CODE-	—
DOC. CODE-	—
PROJ. NO.-	—
ACC. NO.-	—
WR-	—
WT-	—

UNLESS OTHERWISE SPECIFIED
TOLERANCE ON DIMENSIONS
ARE AS FOLLOWS:

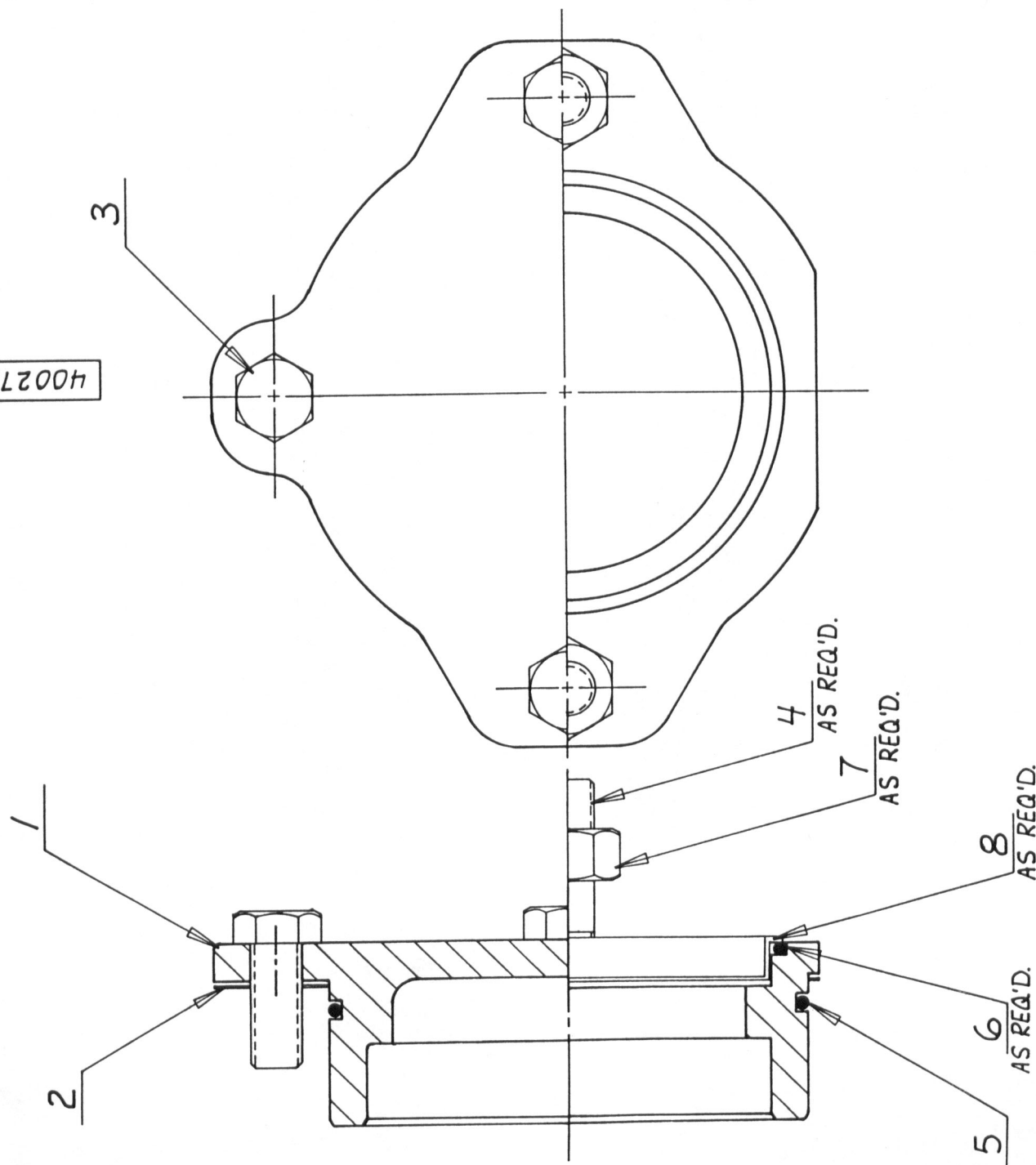
FRACTIONAL DIMENSIONS	± 1/32
TWO PLACE DECIMAL (0.00)	± .010
THREE PLACE DECIMAL (0.000)	± .005
ANGLES	± 2°
CAST DIMENSIONS	± 1/16

NEXT ASSY.- — REF. LCS- —
MATERIAL- PER APPLICABLE B/M

FUNK MFG. CO.			
COFFEYVILLE, KANSAS			
DWN.-BOB T.	CHK.- RP	APP.- QZD	
DATE-4-6-78	SCALE-NONE	NO. REQ'D.- 1	
DWG. ASM. INPUT SHAFT			4002715



THIS DWG. REPRESENTS THE
FOLLOWING B/M:
4002824
4002825
40A1781

[illegible]

NOUN CODE-		
PROD. CODE-		
DOC. CODE-		
PROJ. NO.-		
ACC. NO.-		
WR ² -		
WT.-		

UNLESS OTHERWISE SPECIFIED
TOLERANCE ON DIMENSIONS
ARE AS FOLLOWS:

FRACTIONAL DIMENSIONS	± 1/32
TWO PLACE DECIMAL (0.00)	± .010
THREE PLACE DECIMAL (0.000)	± .005
ANGLES	± 2"
CAST DIMENSIONS	± 1/16

NEXT ASSY:-	NONE	REF. LCS-
-------------	------	-----------

MATERIAL- *PER APPLICABLE B/M*

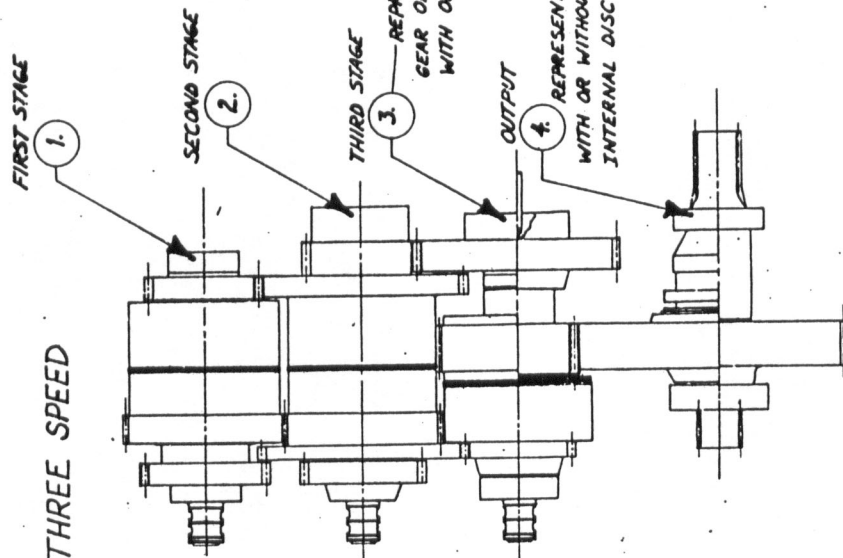
FUNK MFG. CO.

KANSAS
COFFEYVILLE.

DWN.-BOB T.	CHK.- K7	APP.- <i>[Signature]</i>
DATE-6-23-78	SCALE-NONE	NO. REQ'D.- 1
DWG. GRP. BRG. RET.		4002719

THIS SECTION REPRESENTS THE FOLLOWING
G/M:
FOR THREE SPEED LONG DROP GEAR RATIO
GROUPS: "LISTED" BELOW

NOTE: PART NUMBERS WITH LINES THROUGH THEM REPRESENT OBS B/M'S (H)



S	ADD 40B 186-4	B3	-	41-283	JV
R	ADD 40A 198-3	B3	-	41-182-39	
Q	ADD 40A 1940	A-2	-	3-5-82	RD
P	ADD 40A 177	B-3	-	2-10-81	RD
N3	SEE ECM	A2-A3	40953	301-68	\$
M	ADD 40A 1148	A3	35702	32-46	JV
L	SEE ECM		35749	11-1-79	RD
K	SEE ECM	A3	35288	9-10-79	JV
J	ADD 40064921	-	-	4-9-79	JV
H	SEE ECM				
HI			33160	1-2-77	CN

SENTS WITH CYLINDER WITH SHAFT GEAR AND WITHOUT SPEEDOMETER		G	ADDED 4006824	D3	—	1-2-79 BT
---	--	---	---------------	----	---	-----------

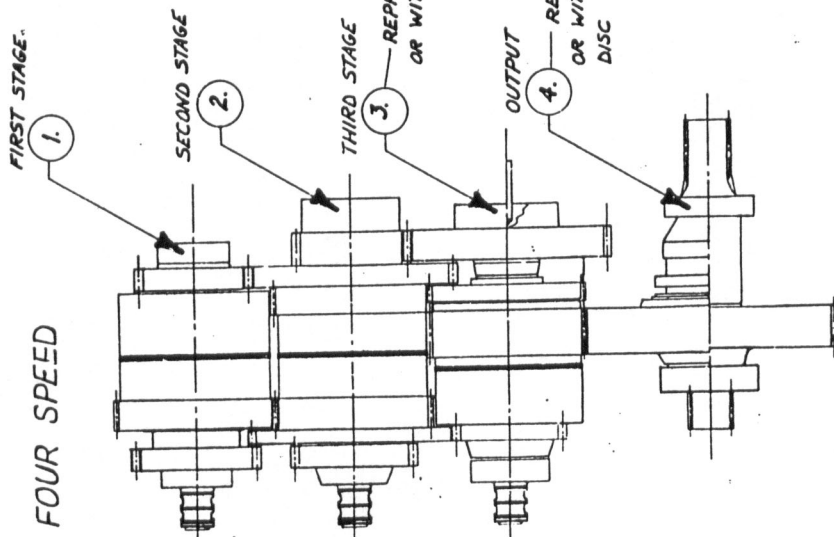
F	ADD 1000 SERIES B/M NOS	—	4006539	—	9-27-78 BT	
E	ADD 4006788	C3	—	8-5-78 BT		
D	ADD B/M 4007186	C3	—	8-4-78 JV		
C	ADD 4006676	D3	---	4-21-78 JV		
B	SEE ECM	D3	305534	10-18 BT		
A	ADD 4007211	D1	---	2-17-78 JV		
—	ADDED B/M 4015 X6234, X6275	D3	---	11-17-78	*	
LET	REASON	ECN	DATE	BY		

ALL MACHINE SURFACES TO BE: UNLESS OTHERWISE SPECIFIED	HEAT TREAT SPECIFICATIONS -
---	-----------------------------

PROJ. CODE.	UNLESS OTHERWISE SPECIFIED TOLERANCE ON DIMENSIONS IS AS FOLLOWS:	1 1/32" 2 1/16" 3 1/8" 4 1/4" 5 1/2" 6 3/4" 7 1/2"
DOC. CODE.		
PROJ. NO.	FRACTIONAL DIMENSIONS THIS PLACE DECIMAL IS ON NEXT PLACE DECIMAL (1/100)	
ACC. NO.	ANGLES	
WPK.	WT.	
NEXT ASSY. - <i>REMOVE</i>		
MATERIAL - <i>SEE APPLICABLE D/M</i>		

FUNK MFG. CO.				KANSAS
COFFEYVILLE				
DWNL. <i>2-2</i>	DWG. R4F	APP. <i>1-2</i>		
DATE <i>9-15-77</i>	SCALE: ---	NO. RECD.: ---		
DWG. GEAR RATIO GROUP			4006539	

THIS SECTION REPRESENTS THE FOLLOWING B/M:
FOR FOUR SPEED LONG DROP GEAR
RATIO GROUPS: "LISTED" BELOW



4001673	4001674	4001675	4001676	4001677	4001678	4001679	4001680	4001681	4001682	4001683	4001684	4001685	4001686	4001687	4001688	4001689	4001690	4001691	4001692	4001693	4001694	4001695	4001696	4001697	4001698	4001699	4001700	4001701	4001702	4001703	4001704	4001705	4001706	4001707	4001708	4001709	4001710	4001711	4001712	4001713	4001714	4001715	4001716	4001717	4001718	4001719	4001720	4001721	4001722	4001723	4001724	4001725	4001726	4001727	4001728	4001729	4001730	4001731	4001732	4001733	4001734	4001735	4001736	4001737	4001738	4001739	4001740	4001741	4001742	4001743	4001744	4001745	4001746	4001747	4001748	4001749	4001750	4001751	4001752	4001753	4001754	4001755	4001756	4001757	4001758	4001759	4001760	4001761	4001762	4001763	4001764	4001765	4001766	4001767	4001768	4001769	4001770	4001771	4001772	4001773	4001774	4001775	4001776	4001777	4001778	4001779	4001780	4001781	4001782	4001783	4001784	4001785	4001786	4001787	4001788	4001789	4001790	4001791	4001792	4001793	4001794	4001795	4001796	4001797	4001798	4001799	4001800	4001801	4001802	4001803	4001804	4001805	4001806	4001807	4001808	4001809	4001810	4001811	4001812	4001813	4001814	4001815	4001816	4001817	4001818	4001819	4001820	4001821	4001822	4001823	4001824	4001825	4001826	4001827	4001828	4001829	4001830	4001831	4001832	4001833	4001834	4001835	4001836	4001837	4001838	4001839	4001840	4001841	4001842	4001843	4001844	4001845	4001846	4001847	4001848	4001849	4001850	4001851	4001852	4001853	4001854	4001855	4001856	4001857	4001858	4001859	4001860	4001861	4001862	4001863	4001864	4001865	4001866	4001867	4001868	4001869	4001870	4001871	4001872	4001873	4001874	4001875	4001876	4001877	4001878	4001879	4001880	4001881	4001882	4001883	4001884	4001885	4001886	4001887	4001888	4001889	4001890	4001891	4001892	4001893	4001894	4001895	4001896	4001897	4001898	4001899	4001900	4001901	4001902	4001903	4001904	4001905	4001906	4001907	4001908	4001909	4001910	4001911	4001912	4001913	4001914	4001915	4001916	4001917	4001918	4001919	4001920	4001921	4001922	4001923	4001924	4001925	4001926	4001927	4001928	4001929	4001930	4001931	4001932	4001933	4001934	4001935	4001936	4001937	4001938	4001939	4001940	4001941	4001942	4001943	4001944	4001945	4001946	4001947	4001948	4001949	4001950	4001951	4001952	4001953	4001954	4001955	4001956	4001957	4001958	4001959	4001960	4001961	4001962	4001963	4001964	4001965	4001966	4001967	4001968	4001969	4001970	4001971	4001972	4001973	4001974	4001975	4001976	4001977	4001978	4001979	4001980	4001981	4001982	4001983	4001984	4001985	4001986	4001987	4001988	4001989	4001990	4001991	4001992	4001993	4001994	4001995	4001996	4001997	4001998	4001999	4002000
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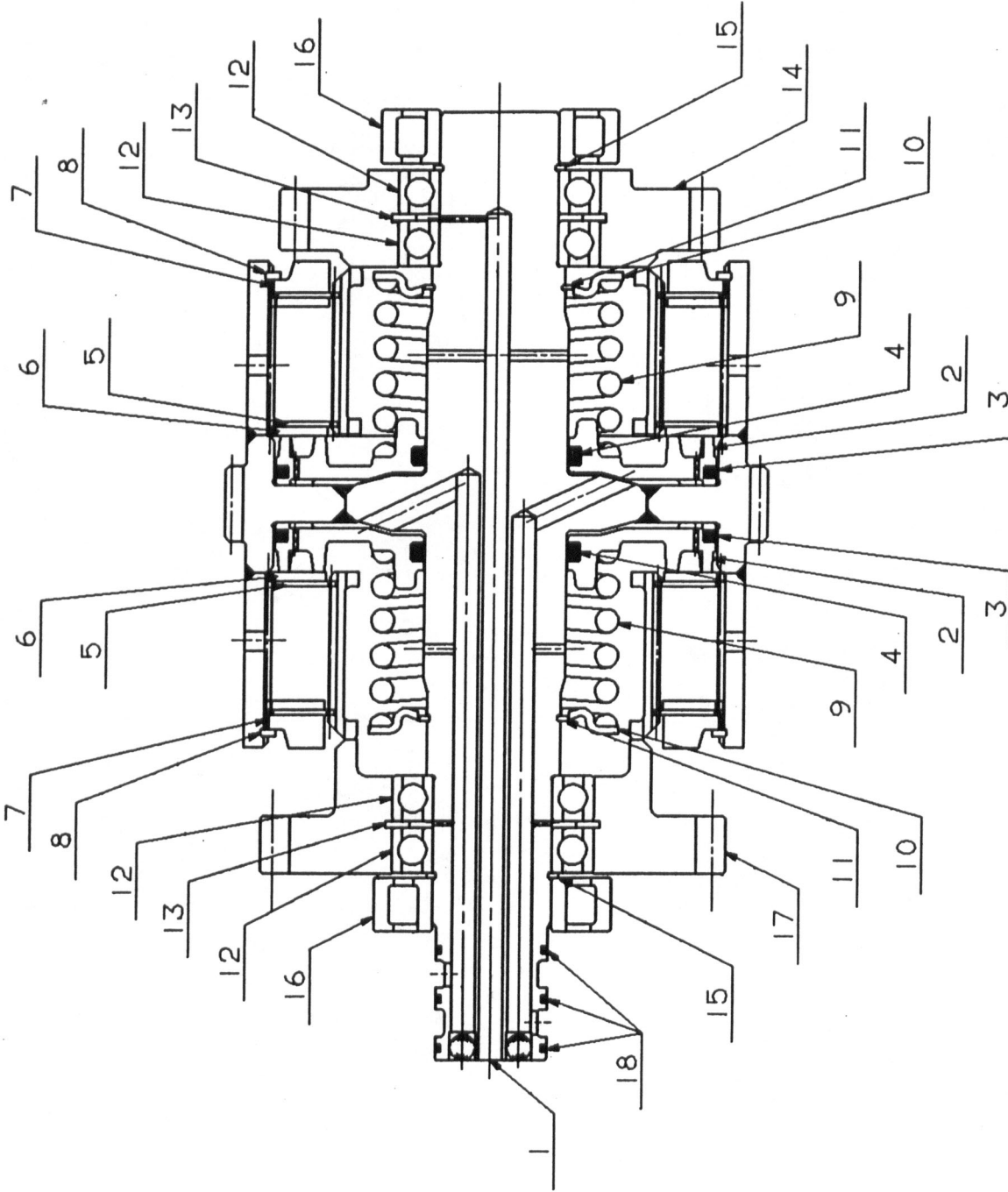
THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF FUNK MANUFACTURING COMPANY. [REDACTED] AND MUST BE USED STRICTLY IN ACCORDANCE WITH THE LIMITED PURPOSE FOR WHICH IT WAS SUBMITTED. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT AS FUNK MANUFACTURING COMPANY MAY OTHERWISE AGREE IN WRITING.

FUNK MFG. CO.

SEE APPLICABLE B/M

COFFEYVILLE	DOWN. <i>Log.</i>	CHK. RAF	APP. <i>LT</i>	KANSAS
	DATE 9-15-77	SCALE --	NO. RECD. --	
	DW6, GEAR	2010 GROUP	4006539	

4002710



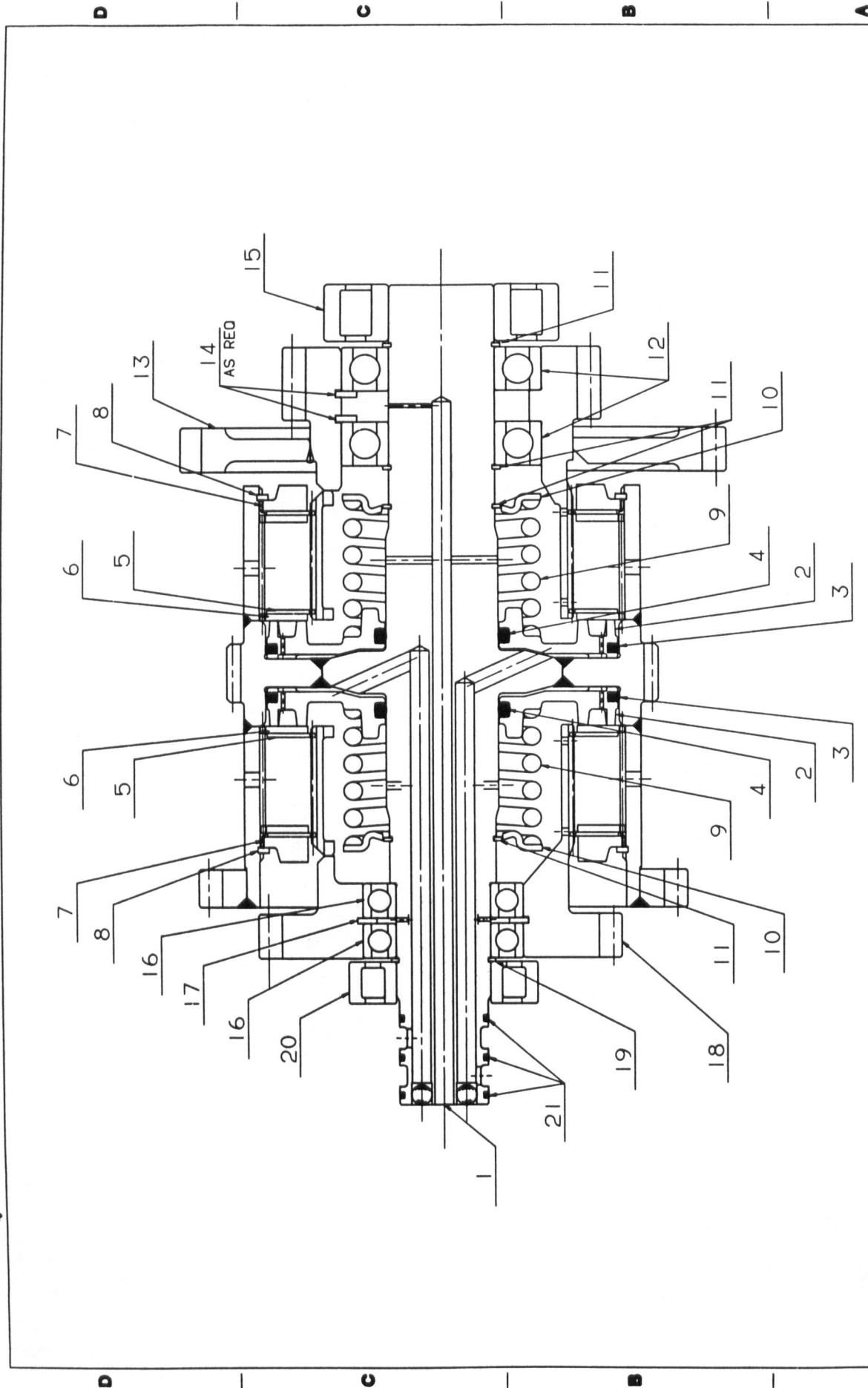
THIS DWG REPRESENTS
THE FOLLOWING B/M:

4001741 40A1941
40A1588 40A1991
40A1597 40B1114
40A1601
40A1615
40A1634

NOTES:
CHECK CLUTCH PLATES FOR .050 MIN CLEARANCE
AFTER ASM
EXCHANGE CLUTCH PLATES IF NECESSARY TO OBTAIN
.050 CLEARANCE

FUNK		P.O. BOX 677 COFFEYVILLE, OK 74307	
J	REVISE FORMAT	2-18-88	JOS
H	ADDED BM 4101179 TO LIST	1-12-88	JAT
G	REDRAWN ON CADAM	9-15-86	S.J.F.
LET	REVISION	ZONE	DATE
DWN- RCT		DATE- 10-18-77	
BASIC REF#		4-2 B	
DESCR		ASM CLU 1ST	
SHEET- 1 OF 1		PART# 4002710	

4002706

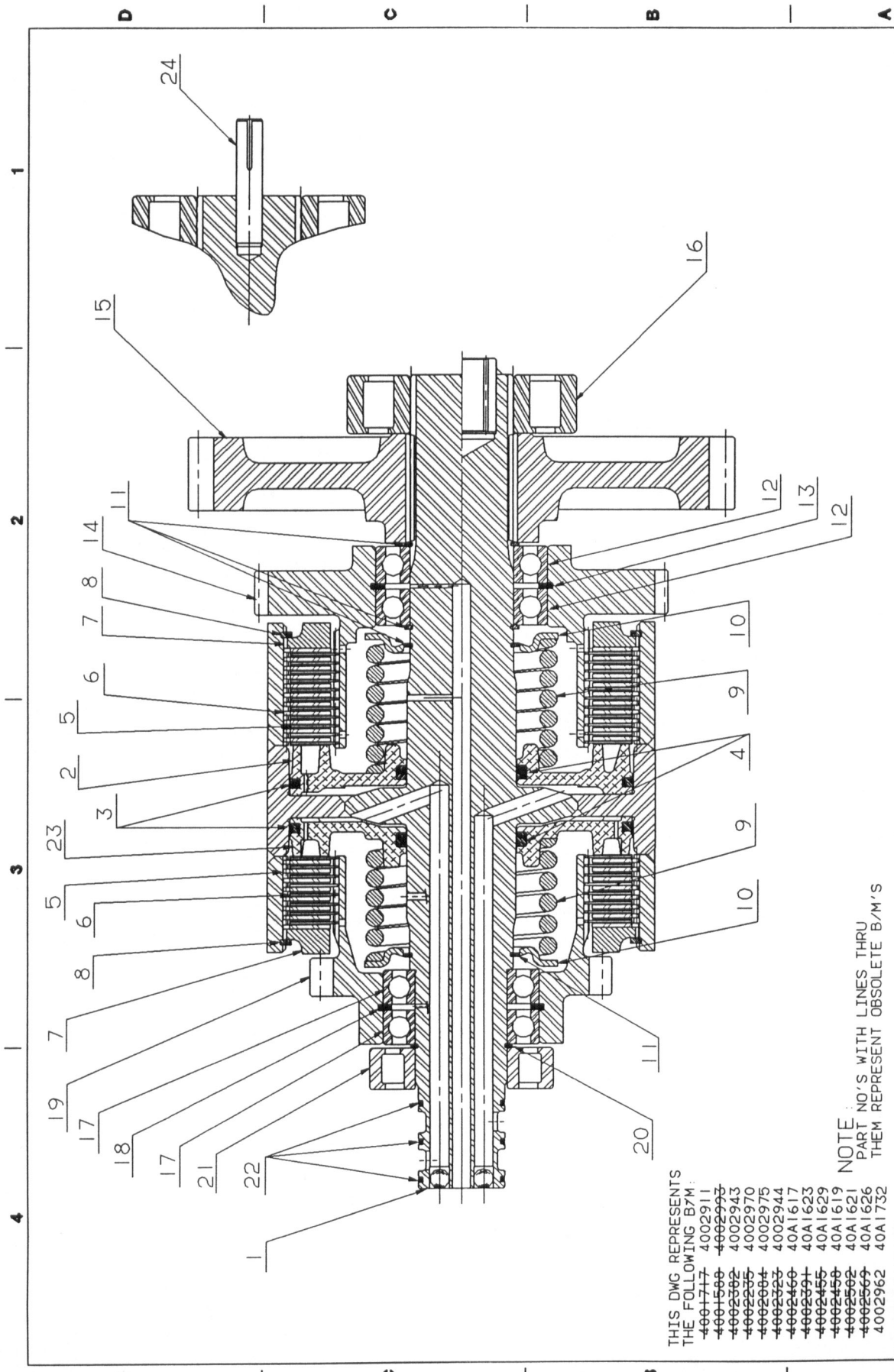


THIS DWG REPRESENTS THE FOLLOWING B/M:		FUNK MANUFACTURING COMPANY		P.O. BOX 977 COFFEYVILLE, KANSAS 64307	
40A1614	40A1602	DMN-RCT	4-3	B	
40A1616	40A1607	DATE- 7-17-77	BASIC REF#	6-2	A
40A1624	40B1115	DATE- 7-17-77	DESCR	ASM CLU 2ND	
40A1702	4101180	CHK- JW	SHEET- 1. OF 1	PART#	4002706
40A1590					
40A1992					

NOTES:
CHECK CLUTCH PLATES FOR .050 MIN CLEARANCE
AFTER ASM.
EXCHANGE CLUTCH PLATES IF NECESSARY TO OBTAIN
.050 CLEARANCE.

L	REVISED DETAILS EON 940016	1-6-94	TEM	
K	REVISE FORMAT	2-18-88	JOS	
J	ADDED 4101180 TO B/M LIST	1-12-88	JAT	
H	REDRAWN ON CADAM	9-16-86	SJF	
LET	REVISION	DATE	BY	

4002-105



THIS DWG REPRESENTS THE FOLLOWING B7M:
4001747 4002911
4001588 4002997
4002862 4002943
4002235 4002970
4002884 4002975
4002323 4002944
4002460 40A1617
4002391 40A1623
4002455 40A1629
4002450 40A1619
4002502 40A1621
4002569 40A1626
4002962 40A1732

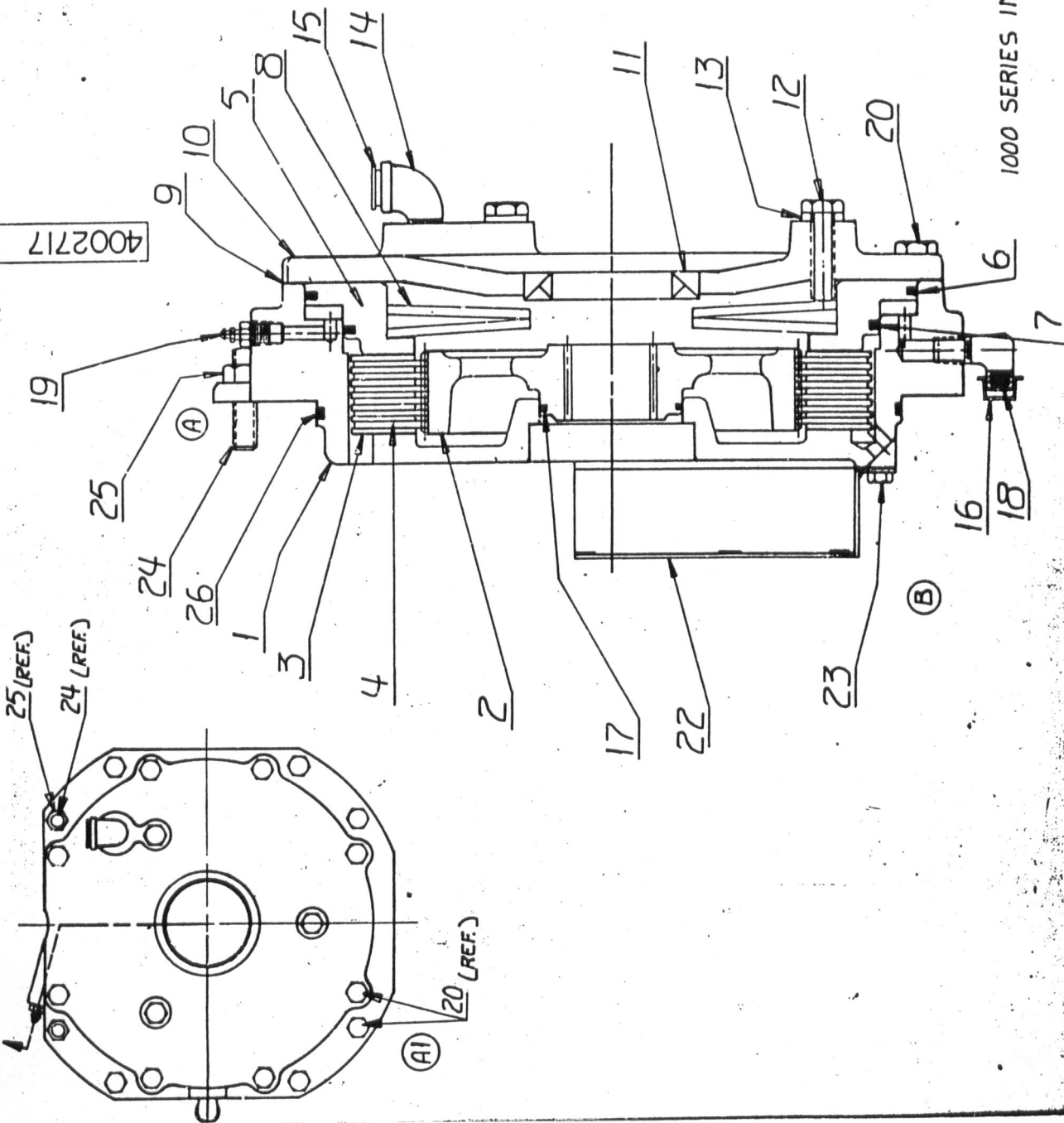
NOTE:
PART NO'S WITH LINES THRU THEM REPRESENT OBSOLETE B7M'S

SEE ABOVE		NOTES: CHECK CLUTCH PLATES FOR .050 MIN CLEARANCE AFTER ASM EXCHANGE CLUTCH PLATES IF NECESSARY TO OBTAIN .050 CLEARANCE		FUNK MANUFACTURING COMPANY P O BOX 577 COFFEYVILLE KANSAS 65327	
THIS DWG REPRESENTS THE FOLLOWING B7M:		DATE: 10-16-77		DWG-SM	
DATE: 10-16-77		CHK-RF		BASIC REF# 4-4	
SHEET- 1 OF 1		DATE		DESCR ASM CLU 3RD	
LET		REVISION		PART# 4002705	
E		REDRAWN ON CADAM PER ECN 940076		TEW	
19AUG94		ZONE		BY	
1		2		1	

7002717

THIS DWG. REPRESENTS THE
FOLLOWING B/M'S.
4002820

4002717



LET.	REVISION	ZONE	ECN.	DATE	BY
C	SEE ECN	—	41839	12-31-80	SM
B	REMOVED REF. # 21	—	36561	1-30-80	CK
A1	SEE ECN	—	36470	1-18-80	SM

ALL MACHINE SURFACES TO BE:
UNLESS OTHERWISE SPECIFIED

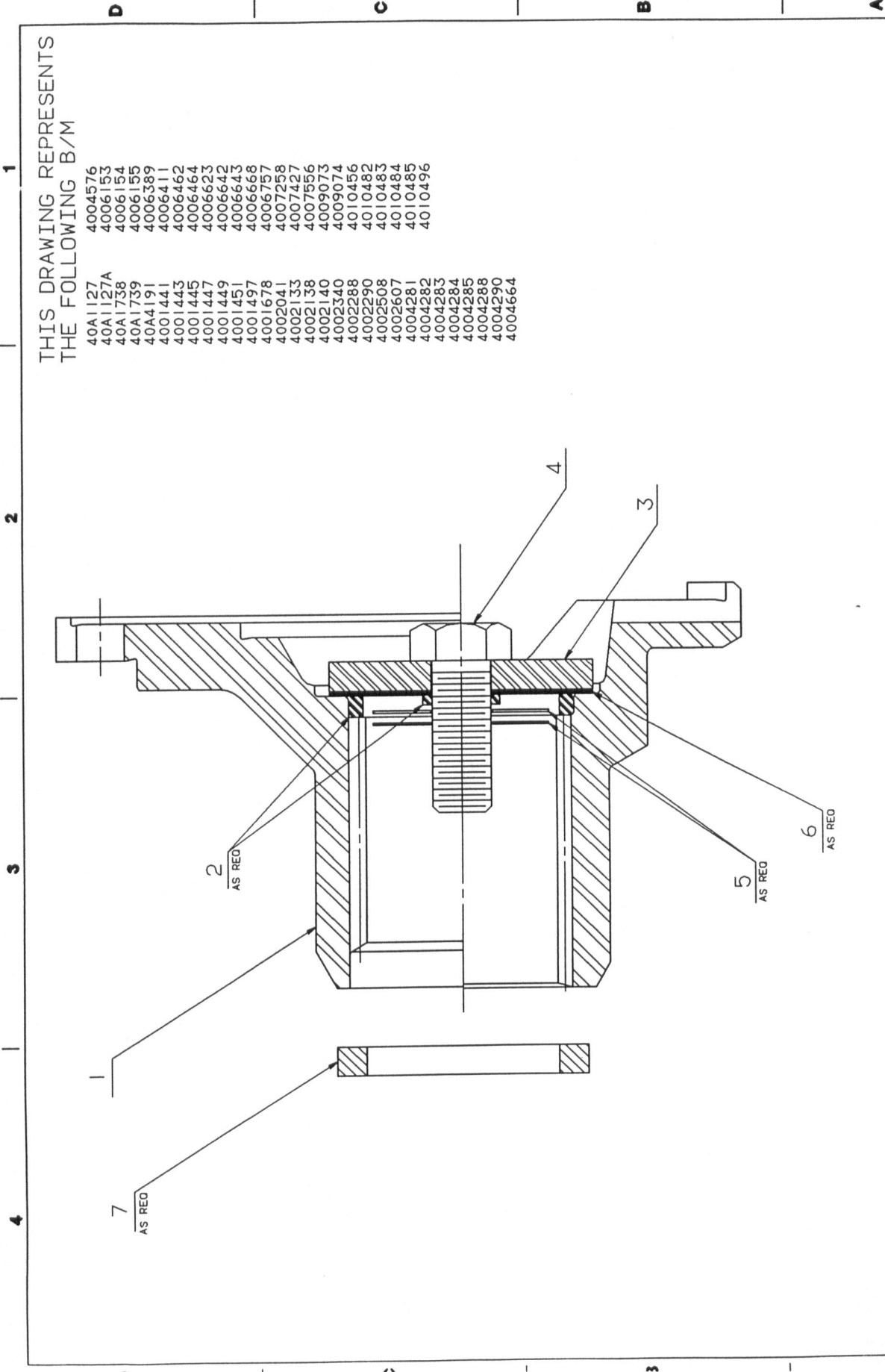
HEAT TREAT SPECIFICATIONS —
NOTED PER DETAIL

NOUN CODE-	UNLESS OTHERWISE SPECIFIED TOLERANCE ON DIMENSIONS ARE AS FOLLOWS:
PROD. CODE-	
DOC. CODE-	
PROJ. NO.- 78-170	FRACTIONAL DIMENSIONS : 1/32 : 010 : .005 : .001 : .0005 : .0001
ACC. NO.- 526	TWO PLACE DECIMAL (0.00) THREE PLACE DECIMAL (0.000)
WR-	ANGLES : 2°
WT-	CAST DIMENSIONS : 1/16

NEXT ASSY.- NONE	REF. LCS- 213
MATERIAL- PER DETAIL	

FUNK MFG. CO.			
COFFEYVILLE, KANSAS			
DWN.- VARGAS	CHK.- PJ	APP.-	
DATE- 6-6-78	SCALE- HALF	NO. REQ'D.- 1	
DWG. GRR. BRK. INT.			4002717

1000 SERIES INT. BRK.

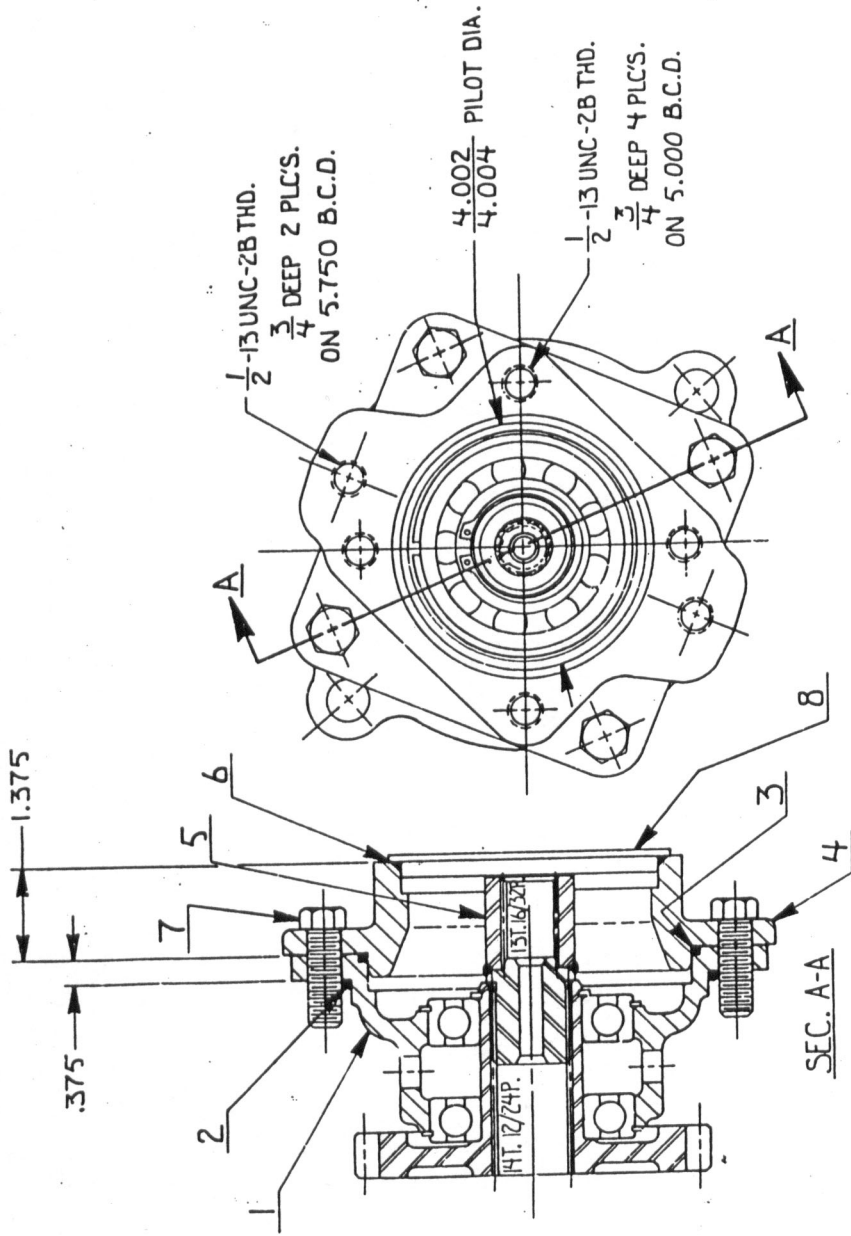


THIS DRAWING REPRESENTS
THE FOLLOWING B/M

- 40A1127 4004576
- 40A1127A 4006153
- 40A1738 4006154
- 40A1739 4006155
- 40A4191 4006389
- 40Q1441 4006411
- 40Q1443 4006462
- 40Q1445 4006464
- 40Q1447 4006623
- 40Q1449 4006642
- 40Q1451 4006643
- 40Q1497 4006668
- 40Q1678 4006757
- 40Q2041 4007258
- 40Q2133 4007427
- 40Q2138 4007556
- 40Q2140 4009073
- 40Q2340 4009074
- 40Q2288 4010456
- 40Q2290 4010482
- 40Q2508 4010483
- 40Q2607 4010484
- 40Q4281 4010485
- 40Q4282 4010496
- 40Q4283 4004283
- 40Q4284 4004284
- 40Q4285 4004285
- 40Q4288 4004288
- 40Q4290 4004290
- 40Q4664 4004664

THIS DWG REPRESENTS THE FOLLOWING B/M SEE B/M LIST	NOTES : REF #4 LOCTITE #242 OR EQUIVALENT										FUNK MANUFACTURING COMPANY				P O BOX 577 COFFEYVILLE KANSAS 64301																						
											DWN-SM				BASIC REF #																						
											DATE- 9-16-77																										
										M				REDRAWN ON CADAM EGN 940191				3-8-94				TEW				CHK-RAF				DESCR DWG. YOKE & FLG GRP							
										LET				REVISION				ZONE				DATE				BY				SHEET- 1 OF 1				PART# 4006540			

4006548
2 OF 2



AUX. "B" PUMP ©
B/M # 40A1468

SH. 2 OF 2
4006548

LET.	REV.	DATE
1	SEE SH. 1	

ALL MACHINE SURFACES TO BE
UNLESS OTHERWISE SPECIFIED
HEAT TREAT SPECIFICATIONS -

NOUN CODE-	UNLESS OTHERWISE SPECIFIED
PROD. CODE-	TOLERANCE UN DIMENSIONS
DOC. CODE-	ARE AS FOLLOWS
PROJ. NO.-	FRACTIONAL DIMENSIONS
ACC. NO.-	TWO PLACE DECIMAL (0.001)
WT.-	THREE PLACE DECIMAL (0.000)
WT.-	ANGLES
WT.-	CAST DIMENSIONS
NEXT ASSY.- SEE SH. 1	REF. LGS-

MATERIAL-
SEE SH. 1

FUNK MFG. CO.		KANSAS
COFFEYVILLE	CHK.-	APP.-
DWN.-	DATE- 4-22-80	NO. REQ.-
DWG, AUX PUMP DRIVE R.H.		4006548