

GB Compressor

TK 40203-1.2

Models

CROG-1000-2

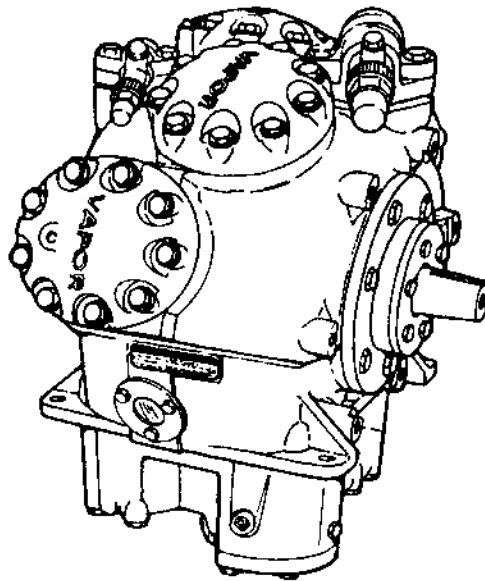
CROG-1500-2

CROG-1000-9

CROG-1500-9

DS-TRAN-94

(JUNE 1989)



Printed (October 24, 1994)

General Information

Tables of Contents

This Parts Manual contains alphabetical and numerical tables of contents listing each assembly name and its associated Grid number and page number. The alphabetical table of contents is arranged alphabetically by assembly name. The numerical table of contents is arranged numerically by Grid number. There may be references in a parts list referring to other Grid numbers. The Numerical table of contents is arranged to facilitate finding the referenced illustrations.

Assemblies and Subassemblies

When parts are indented in the description list, it is preceded with a bullet (•). This indicates that the part(s) is available separately or included in an assembly

THERMOFILM GRID NO. 67D6 SWITCH PANEL ASSEMBLY

REF	PART#	DESCRIPTION	REQ
	45-1239	PANEL - assy, switch	1
1	99-1960	•PANEL	1
	99-6280	••NAMEPLATE - panel	1
2	33-743	•GASKET	1

For example: the switch panel nameplate (99-6280) is available separately, available as part of the switch panel (99-1960) and with the panel assembly (45-1239).

ABBREVIATIONS

The following abbreviations appear in parts manuals

A	ac	alternating current	E	(continued)		O	os	oversized
	A/R	as required		exch	exchanger		od	outside diameter
	accum	accumulator		exp	expansion	P	pcb	printed circuit board
	adj	adjusting		ext	external		pkg	package
	al	aluminum	F	F	Fahrenheit		ph	phase
	alt	alternator		fill	fillister		pos	positive
	amp	ampere		fi	fuel injection		psi	pounds per square inch
	assy	assembly		fl	flare			
B	bd	board		fpt	female pipe thread	R	rad	radiator
	brg	bearing		ft	feet		rcvr	receiver
	brkr	breaker		ftg	fitting		ref	reference
	brkt	bracket	H	hex	hexagon		reg	regulator
C	C	Celsius		hh	hexagon head		req	required
	cw	clockwise		hd	head		rpm	revolutions per minute
	ccw	counter-clockwise		HP	horsepower	S	sec	second
	cam	camshaft		hsg	housing		sld	solder
	compr	compressor	I	id	inside diameter		soc hd	socket head
	cond	condenser		in.	inch (2.54 centimeters)		sol	solenoid
	conn	connecting, connector		incl	includes		spl	special
	cyl	cylinder		inj	injection		sq	square
D	def	defrost		int	internal		ss	stainless steel
	dehyd	dehydrator		int th	internal tooth		std	standard
	dia	diameter	L	liq	liquid		stl	steel
	disc	discharge		lg	long		suct	suction
	diff	differential	M	mm	millimeter		sw	switch
E	EMI	External Maintenance Interval		mpt	male pipe thread	T	term	terminal
	EEC	European Economic Community		mod	modulating		temp	temperature
	eng	engine	N	neg	negative		thk	thick
	evap	evaporator		No.	number	U	us	undersize
				NS	not supplied	V	vib	vibrasorber
				NSS	not sold separately	W	w	watt
							w/	with
							w/o	without

GB Compressor

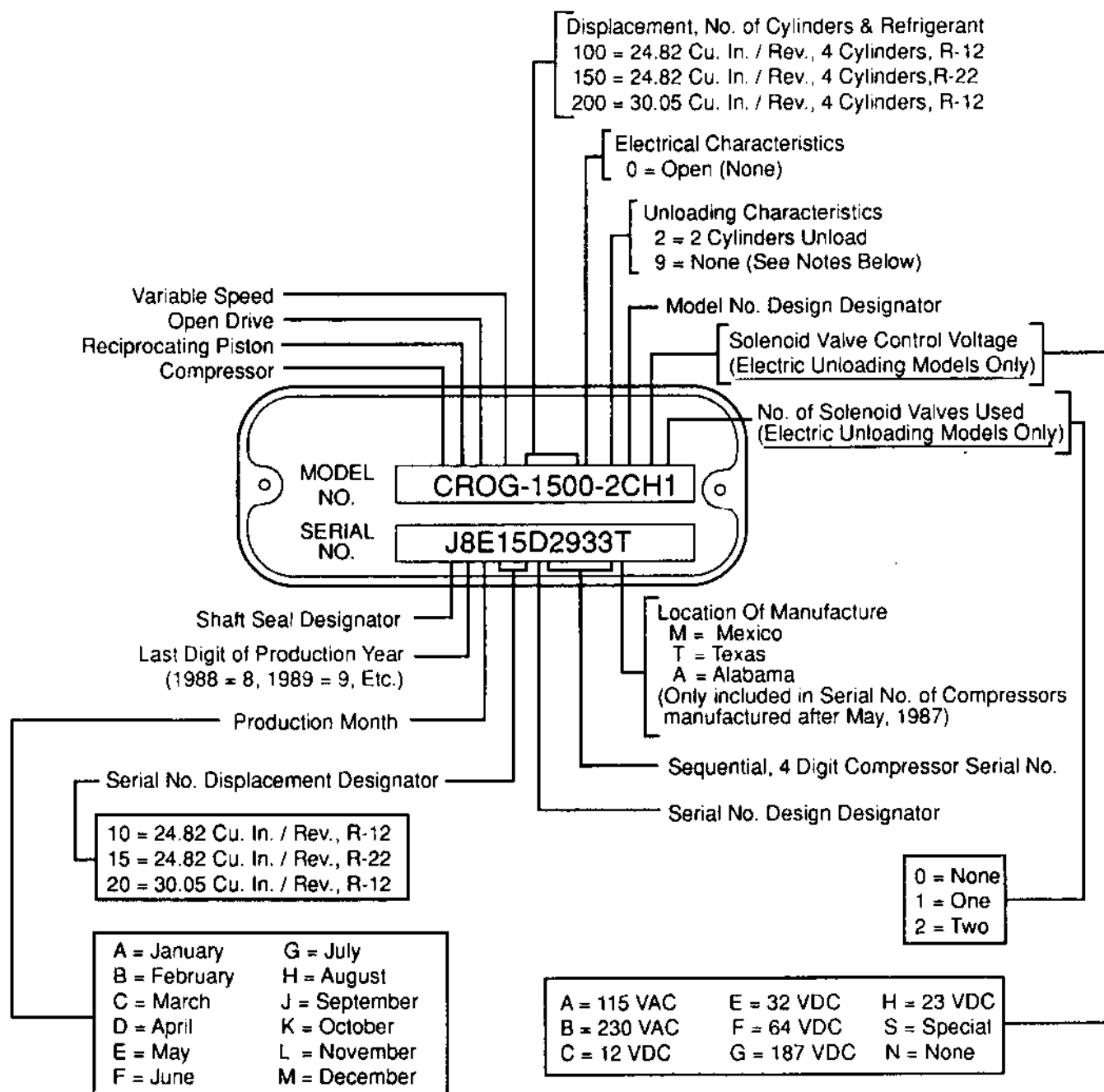
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Contents (Numerical by Grid Number)

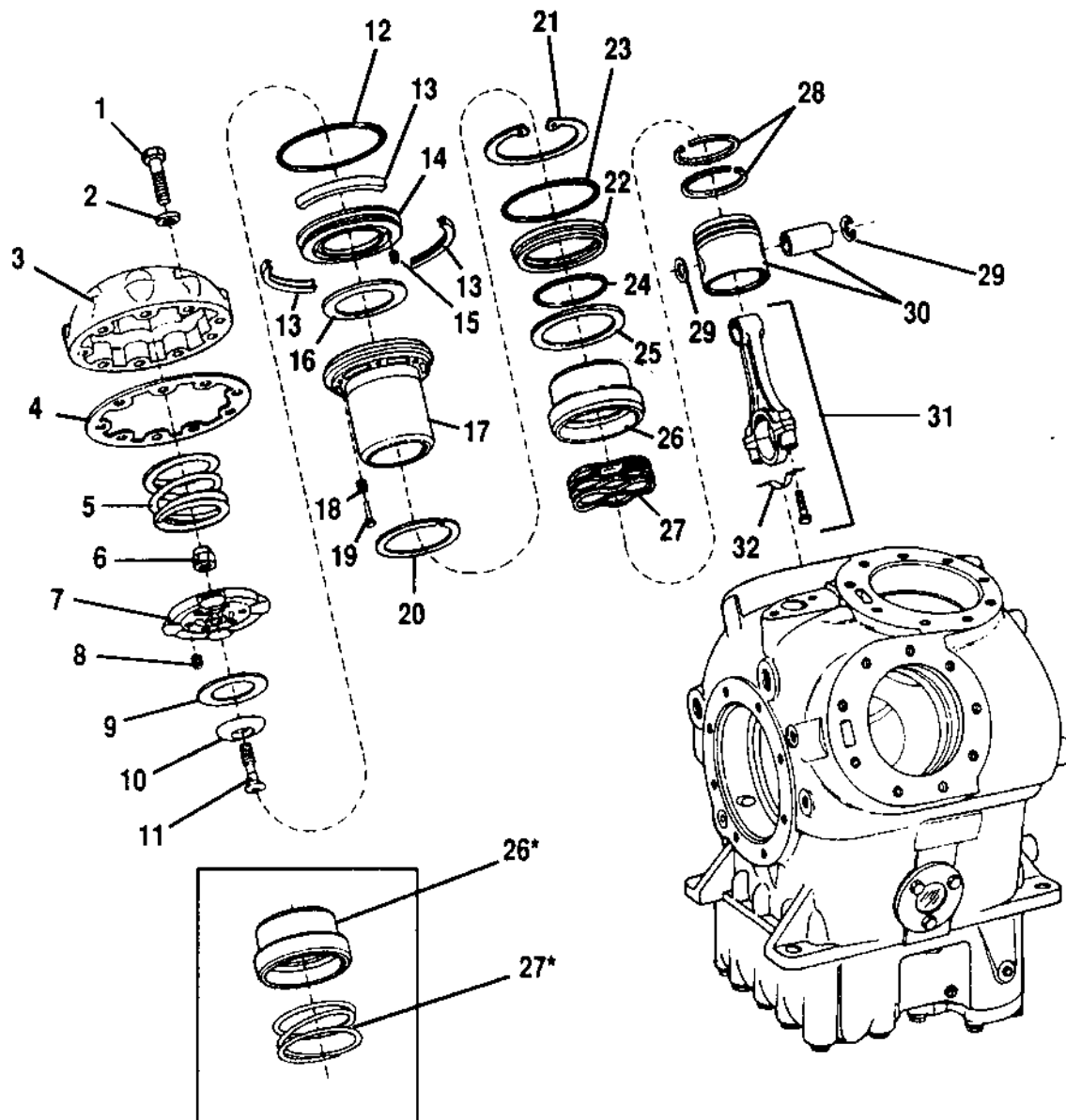
Name	Grid	Page
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98A1

THERMOFILM GRID NO. 98A1 CYLINDER HEAD & PISTON GROUP (1 & 4)

Revised
6/13/94



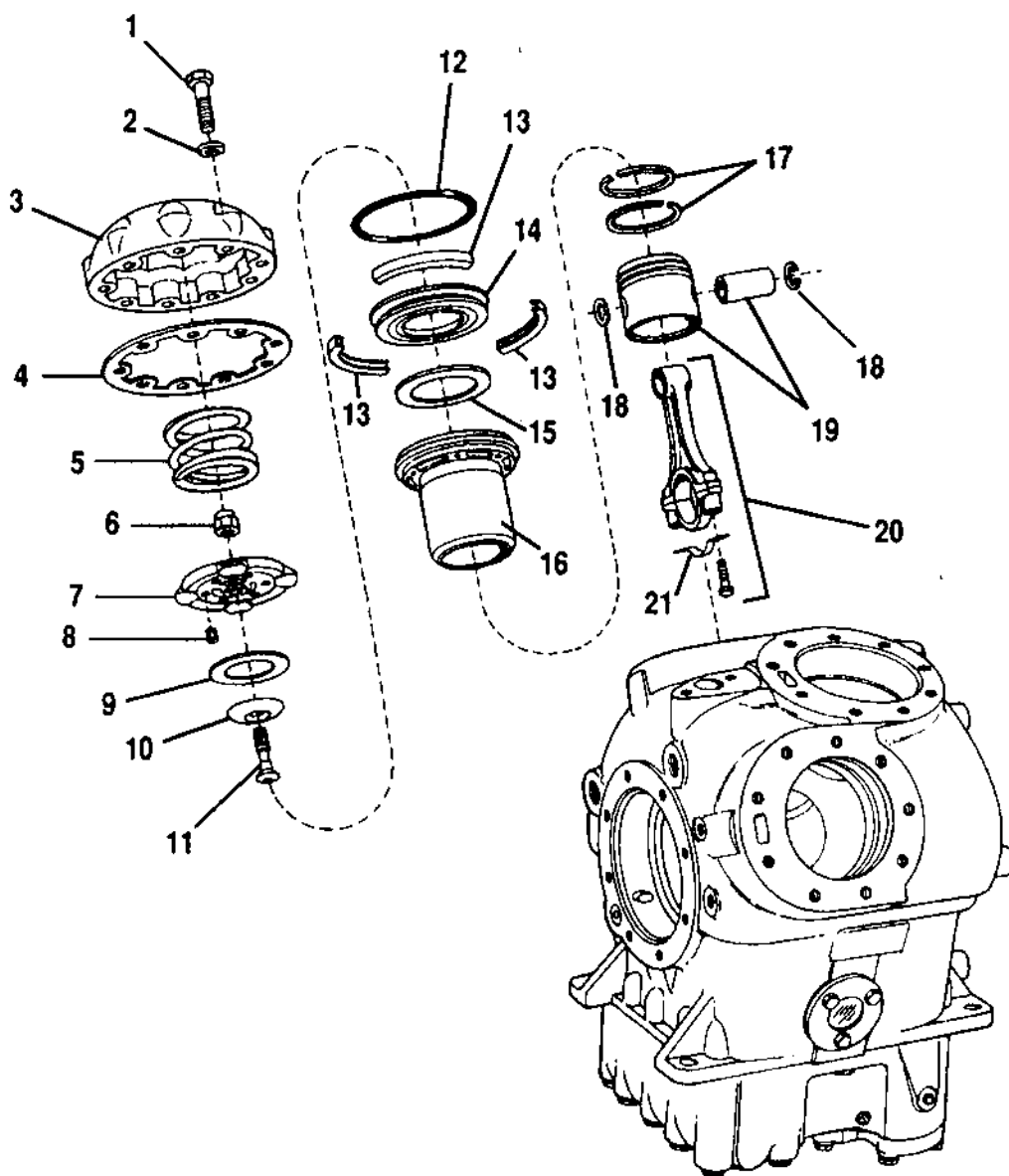
REF	TK PART NO.	MNEMONIC PART NO.	DESCRIPTION	REQ
1	55-3641	SCR-274	SCREW - mtg cylinder head	18
2	55-402	WAS-145	WASHER - (13/32")	18
3	301-180	HD-53	HEAD - cylinder	2
4	*303-699		GASKET - cylinder head	2
	306-593	VAL-941	PLATE ASSEMBLY - valve	2
5	309-718	SPG-49	●SPRING - cylinder head	2
6	305-356	NUT-17	●LOCKNUT - valve cage	2
7	302-102	CAG-12	●CAGE - valve	2
8	309-717	SPG-48	●SPRING - discharge valve	12
9	302-202	VAL-429	●VALVE - discharge	2
10	301-337	SET-11	●SEAT - discharge valve	2
11	305-474	SCR-273	●SCREW - valve cage	2
12	303-250	RNG-195	O-RING - suction valve plate	2
13	305-434	RNG-194	RING - retaining (3 per cylinder)	6
14	309-564	PLT-455	PLATE - valve (cylinders 1 & 4)	2
15	309-728	SPG-111	SPRING - suction valve (cylinders 1 & 4 only)	12
16	302-201	VAL-428	VALVE - suction	2
17	*301-250	LNR-48	LINER - cylinder	2
18	309-721	SPG-106	SPRING - lift pin (cylinders 1 & 4 only)	12
19	305-400	PIN-102	PIN - LIFT (cylinders 1 & 4 only)	12
20	303-251	RNG-196	RING - retaining (cylinders 1 & 4 only)	2
21	303-254	RNG-203	RING - retaining (cylinders 1 & 4 only)	2
22	309-670	RTR-19	RETAINER - O-ring (cylinders 1 & 4 only)	2
23	*303-252	RNG-201	O-RING - to housing (cylinders 1 & 4 only)	2
24	*303-253	RNG-200	O-RING - to piston (cylinders 1 & 4 only)	2
25	303-255	RNG-202	O-RING - retaining ring - (cylinders 1 & 4 only)	2
26	301-322	PST-82	UNLOADER PISTON - (cyl's. 1 & 4 only) (Compressors with Serial No. Design Designator "L" or after. Refer to charts on pgs.ii and iii.)	2
	301-318	PST-23*	UNLOADER PISTON - (cyl's. 1 & 4 only) (Compressors with Serial No. Design Designator "K" or before. Refer to charts on pgs. ii and iii.)	2
27	302-160	SPG-205	UNLOADER SPRING - (cyl's. 1 & 4 only) (Compressors with Serial Design Designator "L" or after. Refer to charts on pgs. ii and iii.)	2
	309-918	SPG-50*	UNLOADER SPRING - (cyl's. 1 & 4 only) (Compressors with Serial Design Designator "K" or before. Refer to charts on pgs. ii and iii.)	2
28	301-324	RNG-197	RING - compression	4
29	305-435	RNG-198	RING - retaining	4
30	301-316	PST-22	PISTON AND PIN ASSEMBLY	2
31	301-332	ROD-238	CONNECTING ROD ASSEMBLY	2
32	305-349	LOK-5	LOCK - connecting rod bolt	2
	*303-225	KIT-604	KIT - compressor gasket & o-ring	

NOTE:

An upgrade kit (KIT-1144) is available to upgrade compressors with Serial No. Design Designator "K" or before to Design Sequence "L". Kit includes all necessary parts, o-rings and gaskets.

USED ON MODEL NO.S

CROG-1000-2 CROG-1000-9
CROG-1500-2 CROG-1500-9



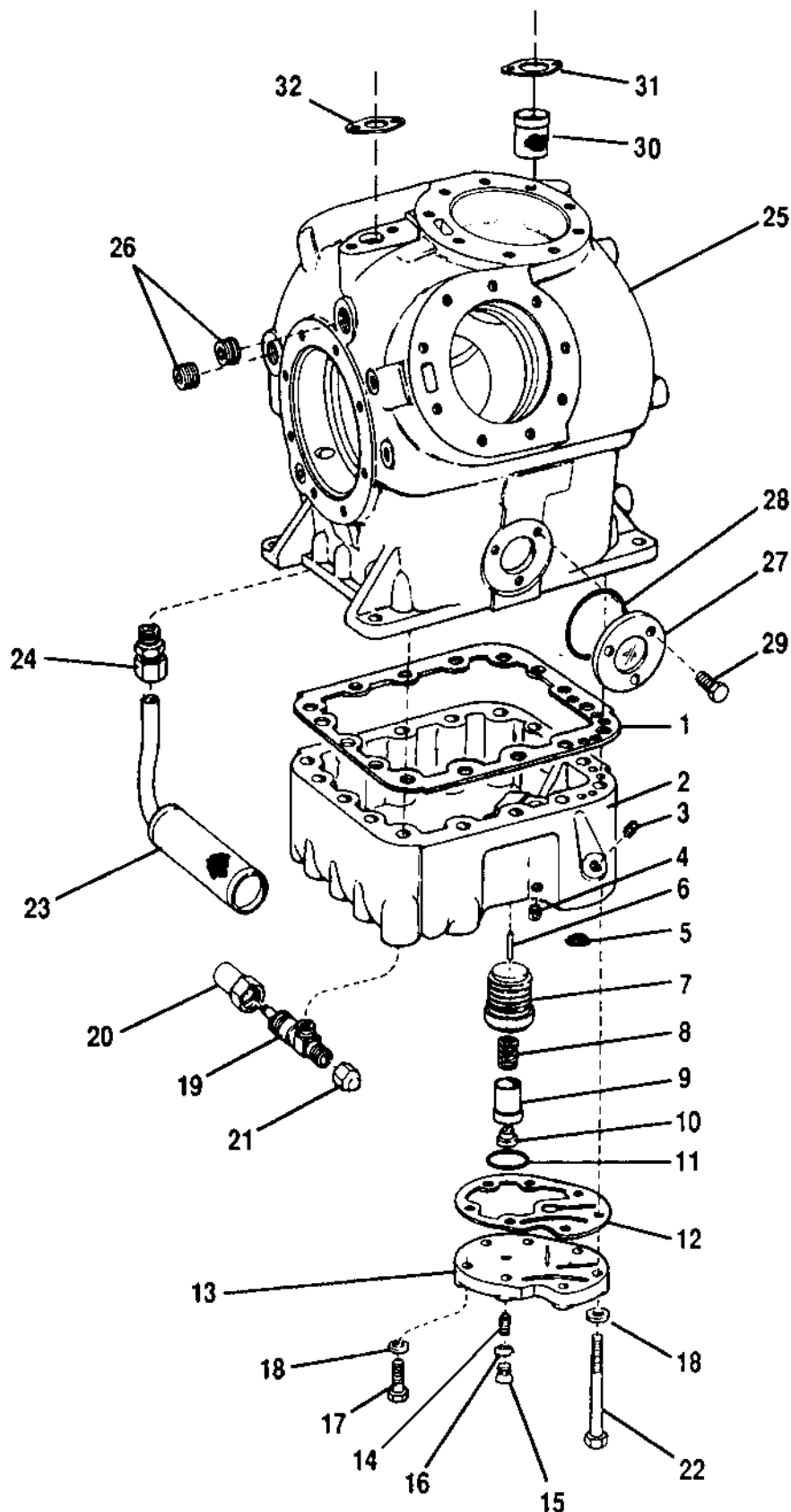
98A2**THERMOFILM GRID NO. 98A2
CYLINDER HEAD & PISTON GROUP (2 & 3)**

Revised

6/13/94

REF	TK PART NO.	NMEMONIC PART NO.	DESCRIPTION	REQ
1	55-3641	SCR-274	SCREW - mtg cylinder head	18
2	55-402	WAS-145	WASHER - (13/32")	18
3	301-180	HD-53	HEAD - cylinder	2
4	*303-699	GKT-400	GASKET - cylinder head	2
5	309-718	SPG-49	SPRING - cylinder head	2
	306-593	VAL-941	PLATE ASSEMBLY - valve	2
6	305-356	NUT-17	●LOCKNUT - valve cage	2
7	302-102	CAG-12	●CAGE - valve	2
8	309-717	SPG-48	●SPRING - discharge valve	12
9	302-202	VAL-429	●VALVE - discharge	2
10	301-337	SET-11	●SEAT - discharge valve	2
11	305-474	SCR-273	●SCREW - valve cage	2
12	*303-250	RNG-195	O-RING - suction valve plate	2
13	305-434	RNG-194	RETAINING RING (3 per cylinder)	2
14	302-155	PLT-669	VALVE PLATE - arched (cylinders 2 & 3)	2
15	302-201	VAL-428	VALVE - suction	2
16	301-250	LNR-48	LINER - cylinder	2
17	301-324	RNG-197	RING - compression	4
18	305-435	RNG-198	RING - retaining	4
19	301-316	PST-22	PISTON AND PIN ASSEMBLY	2
20	301-332	ROD-238	CONNECTING ROD ASSEMBLY	2
21	305-349	LOK-5	●LOCK - connecting rod bolt	2
	*303-225	KIT-604	KIT - compressor gasket & o-ring	

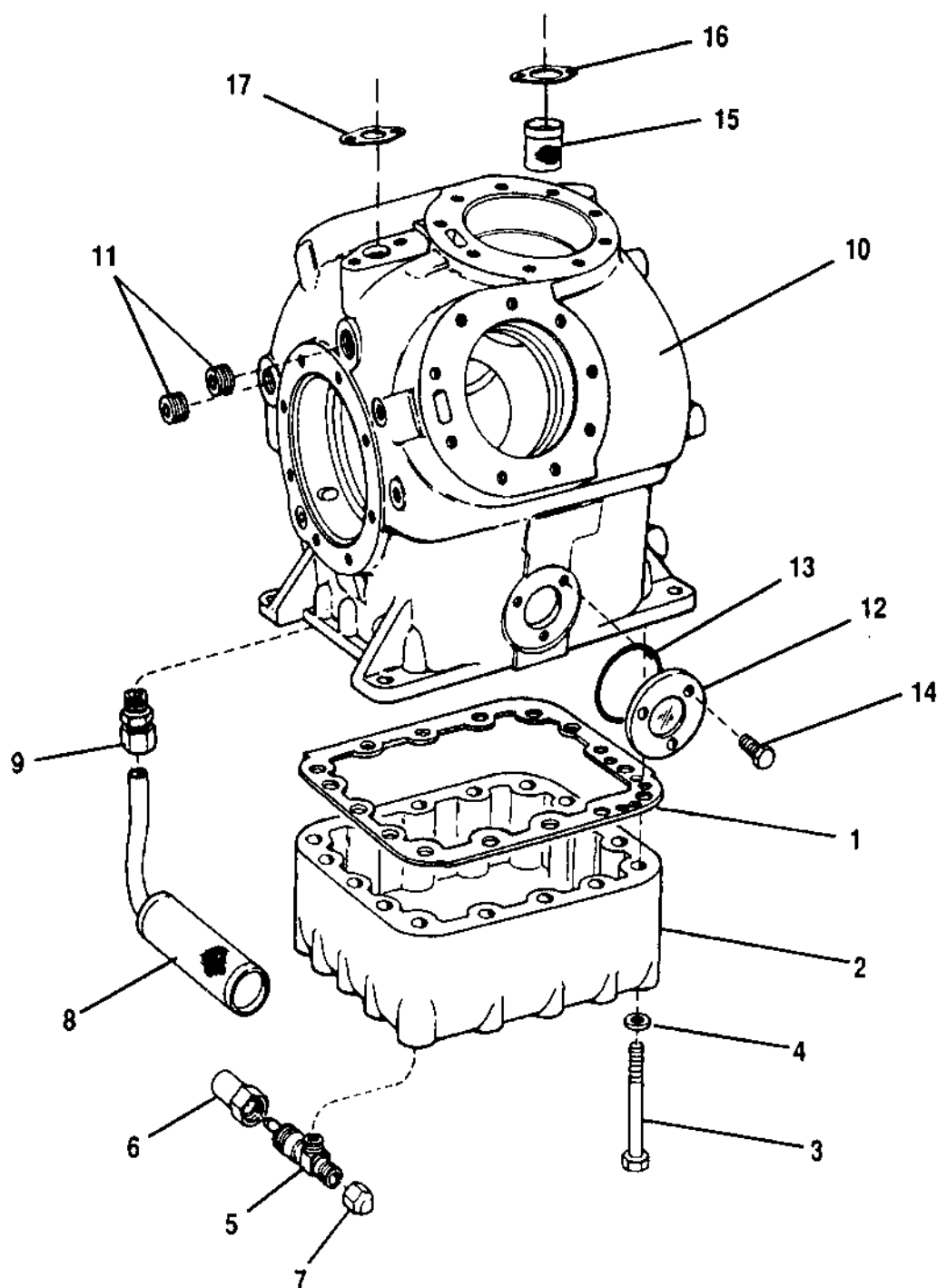
USED ON MODEL NO.'S
CROG-1000-2* CROG-1000-9*
CROG-1500-2* CROG-1500-9*



**THERMOFILM GRID NO. 98A3
HAND HOLE COVER & OIL STRAINER GROUP (SUCTION UNLOADING MODELS)**

REF	TK PART NO.	MNEMONIC PART NO.	DESCRIPTION	REQ
1	*303-697	GKT-408	HANDHOLE COVER GASKET	1
2	309-305	COV-438	HANDHOLE COVER ASSY, COMPLETE (includes 3-17)	1
3	55-3364	PLU-----	●PIPE PLUG - (hex head)	2
4	305-413	PLU-180	●PIPE PLUG - (socket head)	2
5	302-180	SRN-146	●SCREEN - strainer	1
6	305-404	PLG-4	●PLUNGER	1
7	306-109	BEL-15	●BELLOWS ASSEMBLY	1
8	309-722	SPG-107	●SPRING	1
9	307-331	SLV-22	●SLEEVE ASSEMBLY- (Bellows Stop)	1
10	301-338	SET-12	●SEAT - spring	1
11	*303-266	RNG-445	●O-RING	1
12	*303-702		●GASKET - distributor cover	1
13	309-296	COV-254	●COVER - distributor	1
14	305-476	SCR-278	●SCREW - adjusting (5/16-24 x 3/4")	1
15	305-475	SCR-277	●SCREW - flat head (5/16-24 x 1/2")	1
16	305-568	WAS-150	●LOCKWASHER	1
17	55-129	SCR-138	●SCREW- hex head (3/8-16 x 1/4")	4
18	55-402	WAS-145	●FLATWASHER - (13/32)	4
19	306-578	VAL-597	●VALVE - oil drain (straight)	1
	306-579	VAL-15	●VALVE - oil drain (90°)	1
20	306-115	CAP-196	●CAP - valve stem	1
21	305-369	NUT-24	●NUT - sealing	1
22	305-486	SCR-537	SCREW - hex head (3/8-16 x 4 3/4")	3
	55-2980	SCR-531	SCREW - hex head (3/8-16 x 4")	11
23	302-173	SRA-117	OIL STRAINER ASSEMBLY	1
24	305-113	ADP-135	ADAPTER - 1/2" O.D. x 3/8	1
25	309-473	HUS-1206	HOUSING - compressor (includes items 25-28)	1
26	305-410	PLU-48	●PIPE PLUG - (3/4")	2
27	306-250	GLS-75	●SIGHTGLASS	2
28	*303-265	RNG-446	●O-RING - sightglass	2
29	55-538	SCR-38	●SCREW - hex head (1/4-20 x 5/8")	6
30	302-164	SRA-39	STRAINER - suction gas	1
31	*303-700		GASKET - suction service valve	1
32	*303-701		GASKET - discharge service valve	1
	*303-255	KIT-604	KIT - compressor gasket & o-ring	

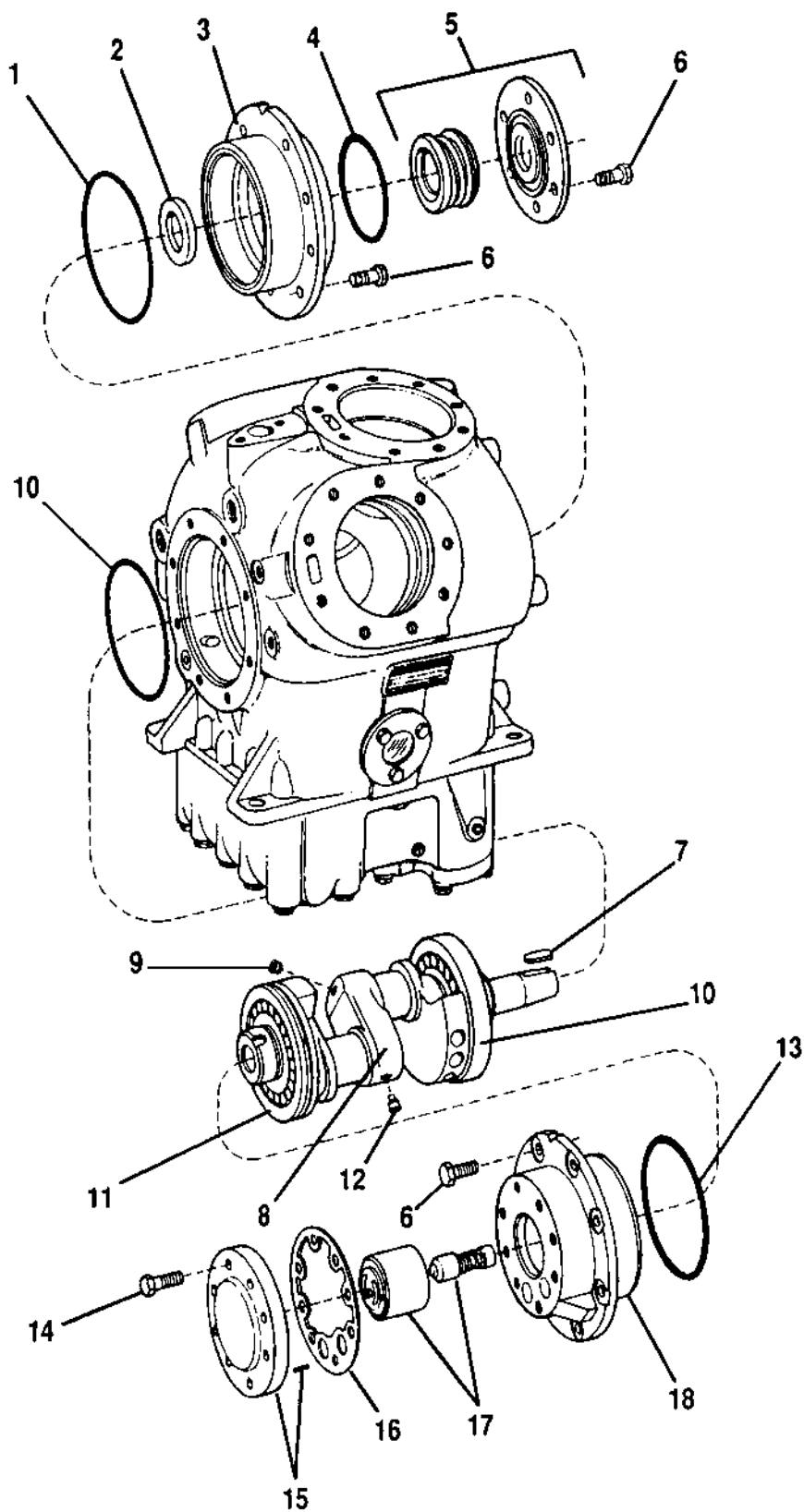
USED ON MODELS NO.'S
CROG-1000-2*
CROG-1500-2*



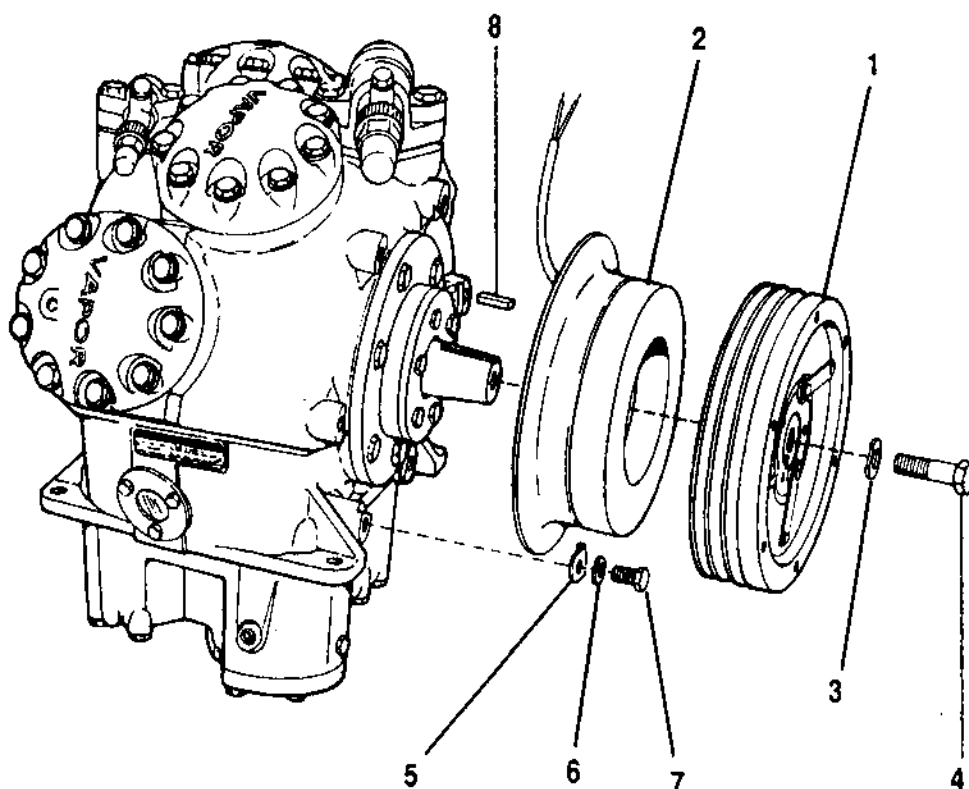
THERMOFILM GRID NO. 98A4
HAND HOLE COVER & OIL STRAINER (NON-UNLOADING MODELS)

REF	TK PART NO.	MNEMONIC PART NO.	DESCRIPTION	REQ
1	*303-118	GKT-408	GASKET - oil sump	1
2	302-245	COV-413	SUMP - oil	1
3	305-485	SCR-531	SCREW - oil sump	16
4	305-567	WAS-145	FLATWASHER	16
5	306-578	VAL-597	VALVE - oil drain (straight)	1
	306-577	VAL-15	VALVE - oil drain (90°)	1
6	306-115	CAP-196	CAP - valve stem	1
7	305-357	NUT-24	NUT - sealing	1
8	302-173	SRA-117	OIL STRAINER ASSEMBLY	1
9	305-113	ADP-135	ADAPTOR - 1/2" O.D. x 3/8"	1
10	309-801	HUS-1282	HOUSING - compressor	1
11	305-410	PLU-48	●PIPE PLUG - 3/4"	2
12	306-252	GLS-75	●SIGHTGLASS	2
13	*303-265	RNG-446	●O-RING - sightglass	2
14	305-461	SCR-38	●SCREW - mtg sightglass	6
15	302-164	SRA-39	STRAINER - suction gas	1
16	*303-133	GKT-983	GASKET - suction service valve	1
17	*303-108	GKT-52	GASKET - discharge service valve	1
	*303-255	KIT-604	KIT - compressor gasket & o-ring	1
	301-264	OIL-19	OIL - compressor	A/R

USED ON MODEL NO.'S
CROG-1000-9
CROG-1500-9



REF	TK PART NO.	MNEMONIC PART NO.	DESCRIPTION	REQ
1	*303-270	RNG-520	O-RING	1
2	*303-305	SEL-216	SEAL - oil	1
3	307-265	HD-170	HEAD - seal end bearing	1
4	*303-257	RNG-415	SHAFT - seal o-ring	1
5	303-307	SEL-253	SEAL - shaft (includes seal [item 4], gland plate & o-ring)	1
6	55-529	SCR-95	SCREW - hex head (3/8-16 x 1")	22
7	305-333	KEY-34	KEY	1
8	302-153	CSF-64	CRANKSHAFT	1
9	305-413	PLU-180	●PLUG - 1/8"	1
10	307-116	BRG-402	●BEARING - seal end roller	1
11	307-117	BRG-403	●BEARING - pump end roller	1
12	305-412	PLU-169	●PLUG - magnetic (1/4")	1
13	*303-267	RNG-447	O-RING	2
14	55-172	SCR-22	SCREW -(5/16-18 x 1 1/4")	8
15	302-150	COV-922	COVER - oil pump, including pin	1
16	*303-698		GASKET - oil pump cover	1
17	301-314	PMP-551	OIL PUMP - pump valve assembly	1
18	307-358	HD-169	HEAD - pump end bearing	1
	*303-225	KIT-604	KIT - gasket & o-ring	

THERMOFILM GRID NO. 98A6
COMPRESSOR CLUTCH & COIL GROUP

REF	TK PART NO.	MNEMONIC PART NO.	DESCRIPTION	REQ
1	307-173	CLU-36	COMPRESSOR DRIVE - 2 groove, 5V	A/R
	307-172	CLU-35	COMPRESSOR DRIVE - 3 groove, 3V	A/R
2	304-245	COL-2141	COIL - clutch 12V dc	A/R
	304-272	COL-2126	COIL - clutch 24V dc	A/R
3	305-594	WAS-577	WASHER	1
4	305-492	SCR-717	SCREW - hex head	1
5	309-671	RTR-48	RETAINER - clutch coil	6
6	305-560	WAS-13	LOCKWASHER	6
7	305-464	SCR-62	SCREW - mtg coil	6
8	305-333	KEY-34	KEY	1