

PARTS LIST

MCT-122

JOY[®]

TWISTAIR[®] III

ROTARY SCREW COMPRESSOR

TA MODELS 150 thru 290

WARRANTY

ROTARY SCREW COMPRESSOR AIR END

Cooper Industries - Industrial Machinery warrants that a new air end assembly will be free from defects in material and workmanship for a period of 24 months from the date of initial operation, or 30* months from the date of shipment, whichever period first expires.

Our re-manufactured air end is warranted for 12 months from initial operation, or 15 months from the date of shipment, whichever period first expires.

If a failure, due to a defect in material or workmanship, is experienced during the warranty period in either a new or re-manufactured air end as outlined above, Joy will replace that air end with a factory re-manufactured air end and honor any time remaining under the warranty period.

"THERE ARE NO OTHER WARRANTIES, EXPRESS, STATUTORY OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND OR FITNESS FOR PURPOSE."

This warranty shall be void and Joy shall have no responsibility to repair or replace defective or damaged parts or components resulting directly or indirectly from the use of replacement parts not of Joy's manufacture, or approved by Joy or from Buyer's failure to store, install, maintain, and operate the compressor according to the recommendations contained in the Operating and Maintenance Manual, good engineering practice, and special instructions which may be furnished with the products.

Joy's total responsibility and liability, whether arising in contract or tort, including negligence and strict liability, for any and all claims, damages of any nature, losses, or expenses, arising out of or related to the equipment shall not exceed the contract price. In no event shall any special, indirect, incidental, or consequential damages of any nature, including but not limited to, loss of use of productive facilities or equipment, lost profits, lost production, property damage, or expenses or damages incurred in reliance on Joy's performance, whether suffered by Buyer or any third party.

NOTICE: UNAUTHORIZED DISASSEMBLY OR REPAIR OF AIR ENDS IN THE FIELD WILL VOID THE WARRANTY AND ADVERSELY AFFECT THE TRADE-IN VALUE.

SCREW COMPRESSOR AIR END EXCHANGE PROGRAM:

A factory re-manufactured screw compressor air end can be purchased on an exchange basis. This is not just a factory-rebuilt air end, but one which is re-manufactured to high quality as new. All bearings, seals, gaskets, and the inlet valve are always replaced. All other parts not meeting our quality standards are also replaced. The air end is then thoroughly factory tested prior to shipment. Our re-manufactured air end is warranted for 12 months from initial operation, or 15 months from the date of shipment, whichever period first expires.

ILLUSTRATED PARTS MANUAL



JOY[®] **TWISTAIR[®] III** Rotary Screw Compressor

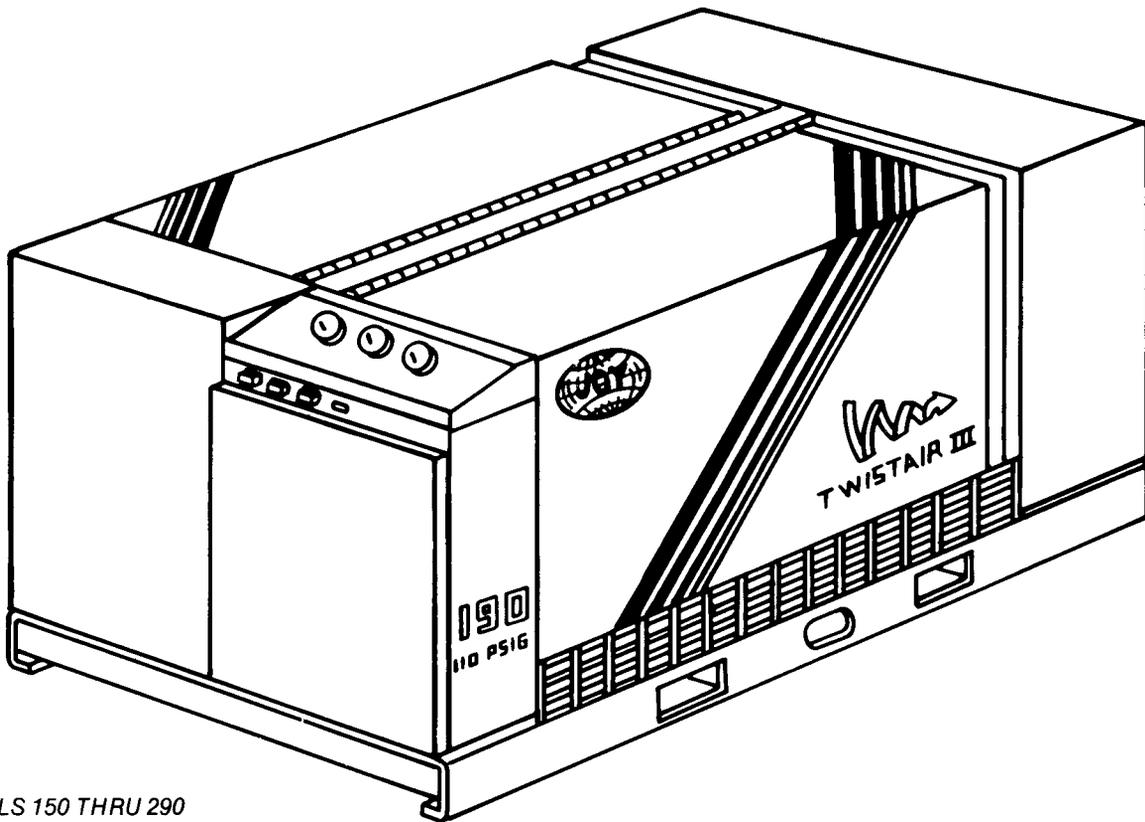


FIGURE 1
TA MODELS 150 THRU 290

82-23

FORM NO. MCT-122
Printed in U.S.A.
FPSI-10/85

COOPER INDUSTRIES - INDUSTRIAL MACHINERY
JOY COMPRESSORS
MICHIGAN CITY, INDIANA 46360

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DANGER



DISCHARGE AIR USED FOR BREATHING.
WILL CAUSE SEVERE INJURY OR DEATH.

CONSULT FILTRATION SPECIALIST FOR
ADDITIONAL FILTRATION AND TREATMENT
EQUIPMENT TO MEET HEALTH AND SAFETY
STANDARDS.

INTRODUCTION

This Parts List has been designed to furnish you a method to identify and order replacement parts. Since this listing supports coverage for all models, it is important that you become familiar with the "Model Number" of your machine as each part for your machine is identified and called out in respect to the machine "Model Number".

HOW TO USE PARTS LIST

Using the Table of Contents, determine the assembly group in which the part is located. Then, turn to the corresponding group illustration and Listing. Locate the part on the illustration and note the applicable Reference Number. The corresponding reference number in the parts listing will give you the description, quantity, and number of the part. **Be sure to obtain part number from its proper MODEL NUMBER column.**

NOTICE

Reference Numbers may be REPEATED for a sub-assembly breakdown as indicated by Group Letters A, B, C, etc. on Drawings and Indentures in the Parts Listings. **Make sure that applicable reference number is selected and DESCRIPTION applies to part.**

HOW TO ORDER PARTS

When ordering parts, be sure to include Model and Serial Number of machine for which parts are required. Give part number and description of each part or assembly needed. The Serial number of your machine will be found on the compressor nameplate located on the door of the controller. For ready reference, enter this number in the space provided on the front cover. Do not use illustration reference numbers when ordering parts.

WHERE TO ORDER PARTS

Parts should be ordered through your authorized Cooper Industries Distributor. Orders will not be accepted at the factory, since your Joy Distributor is equipped and located to provide you with the best possible service.

Cooper Industries maintains a Regional Parts Warehouse in the following area to provide prompt services to distributors for maintaining customer machines.

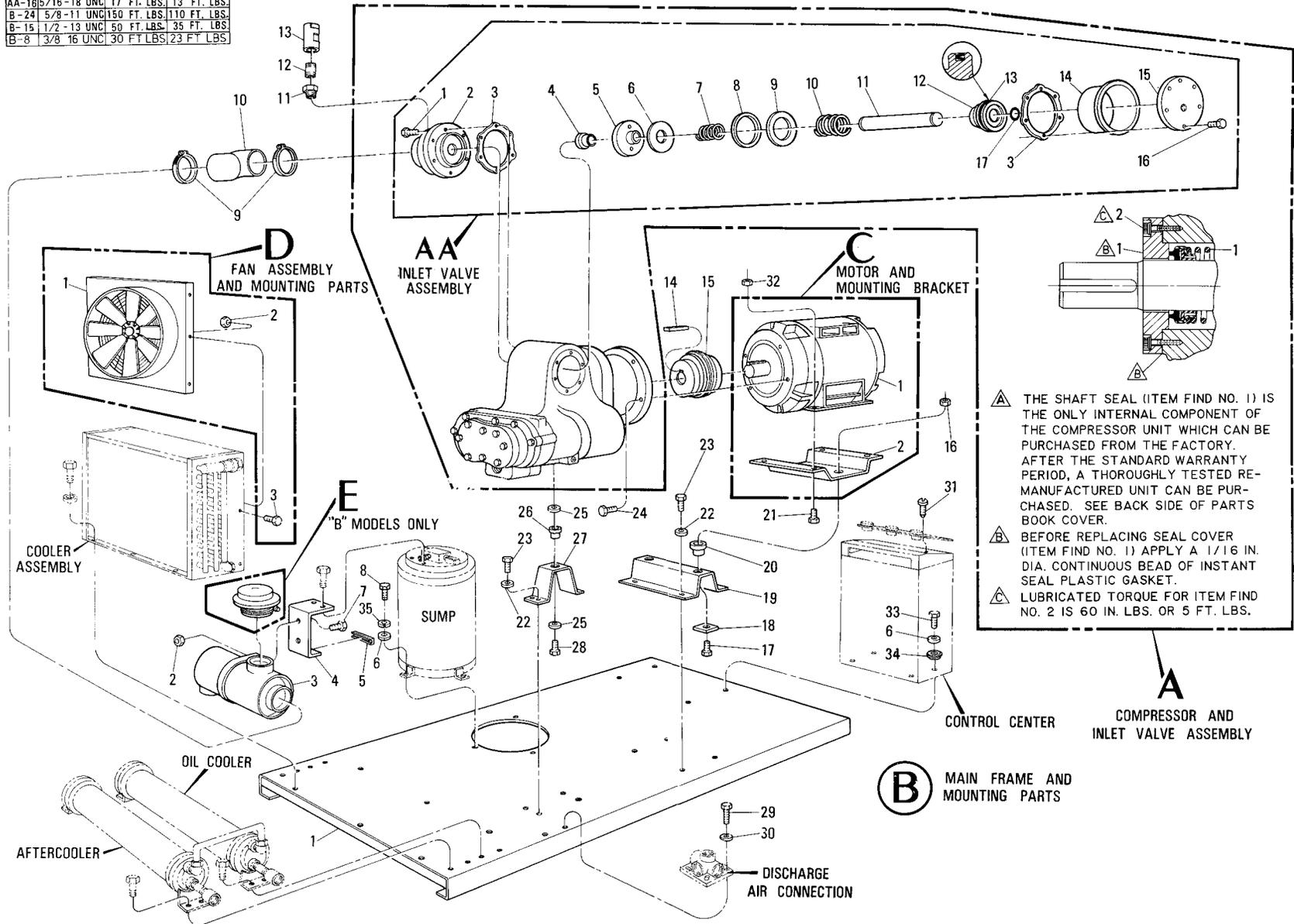
COOPER INDUSTRIES - INDUSTRIAL DIVISION

North Central Region
(Central Service Center)
2300 Devon Avenue
Elk Grove, IL 60007

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TORQUE SPECIFICATIONS			
ITEM FIND NO.	SCREW SIZE	TORQUE	
		DRY	LUBE
AA-1	5/16-18 UNC	17 FT. LBS.	13 FT. LBS.
AA-16	5/16-18 UNC	17 FT. LBS.	13 FT. LBS.
B-24	5/8-11 UNC	150 FT. LBS.	110 FT. LBS.
B-15	1/2-13 UNC	50 FT. LBS.	35 FT. LBS.
B-8	3/8-16 UNC	30 FT. LBS.	23 FT. LBS.



⚠ THE SHAFT SEAL (ITEM FIND NO. 1) IS THE ONLY INTERNAL COMPONENT OF THE COMPRESSOR UNIT WHICH CAN BE PURCHASED FROM THE FACTORY. AFTER THE STANDARD WARRANTY PERIOD, A THOROUGHLY TESTED RE-MANUFACTURED UNIT CAN BE PURCHASED. SEE BACK SIDE OF PARTS BOOK COVER.

⚠ BEFORE REPLACING SEAL COVER (ITEM FIND NO. 1) APPLY A 1/16 IN. DIA. CONTINUOUS BEAD OF INSTANT SEAL PLASTIC GASKET.

⚠ LUBRICATED TORQUE FOR ITEM FIND NO. 2 IS 60 IN. LBS. OR 5 FT. LBS.

DRAWING NO. GD-319
Compressor, Motor, Inlet Valve and Mtg. Parts Assemblies

PARTS LIST FOR : COMPRESSOR, MOTOR, INLET VALVE AND MTG. PARTS ASSEMBLIES

REFERENCE DRAWING NO. GD-319

REF. NO.	DESCRIPTION	QTY.	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
			PART NO.								
A	COMPR. & INLET VALVE ASSY.		00543404 0076	00543404 0077	00543404 0078	00543404 0078	00543404 0079	00543404 0080	00543404 0080	00543404 0081	00543404 0082
.1	KIT, MAIN. SHAFT SEAL	1	H0701701 0327	<	<	<	<	<	<	<	<
.2	SCREW, CAP CBORE 5/16 X 3/4	4	00901858 0404	<	<	<	<	<	<	<	<
.AA	VALVE ASSEMBLY - INLET	1	H0701782 0001	<	<	<	<	<	<	<	<
..1	SCREW, CAP HEX 5/16 X 1	6	00900012 0012	<	<	<	<	<	<	<	<
..2	SEAT, INLET VALVE	1	01663806 0008	<	<	<	<	<	<	<	<
..3	GASKET, VALVE TO STATOR	2	01663742 0169	<	<	<	<	<	<	<	<
..4	BEARING, FLANGED	1	00903778 0041	<	<	<	<	<	<	<	<
..5	PLATE	1	01663597 0452	<	<	<	<	<	<	<	<
..6	VALVE, CHECK	1	01663878 0001	<	<	<	<	<	<	<	<
..7	SPRING	1	01228269 0025	<	<	<	<	<	<	<	<
..8	RING	1	00905361 0350	<	<	<	<	<	<	<	<
..9	SEAT, SPRING	1	01663806 0009	<	<	<	<	<	<	<	<
..10	SPRING, PISTON	1	01228269 0054	<	<	<	<	<	<	<	<
..11	SHAFT, INLET VALVE	1	01662302 0017	<	<	<	<	<	<	<	<
..12	PISTON, INLET VALVE	1	01662305 0024	<	<	<	<	<	<	<	<
..13	SEAL, U-CUP	1	01663816 0008	<	<	<	<	<	<	<	<
..14	CYLINDER, INLET VALVE	1	01662307 0017	<	<	<	<	<	<	<	<
..15	HEAD, INLET VALVE	1	01662306 0020	<	<	<	<	<	<	<	<
..16	SCREW, CAP HEX 5/16 X 1-1/4	6	00900012 0022	<	<	<	<	<	<	<	<
..17	PACKING, O-RING	1	00910660 0114	<	<	<	<	<	<	<	<
B	FRAME, MAIN & MTG. PARTS		00707077 2093	<	<	<	<	<	<	<	<
.1	FRAME, MAIN	1	03663772 0042	<	<	<	<	<	<	<	<
.2	NUT, ELASTIC STOP 5/16	2	00900490 0051	<	<	<	<	<	<	<	<
.3	FILTER, AIR	1	00519002 0054	<	<	<	<	<	<	<	<
*	ELEMENT, FILTER	1	03606283 0037	<	<	<	<	<	<	<	<
.4	SUPPORT, AIR FILTER	1	01661806 0221	<	<	<	<	<	<	<	<
.5	TRIM, FLEXIBLE (FT.)	.5	00910436	<	<	<	<	<	<	<	<
.6	WASHER, PLAIN 3/8	7	00900317 0004	<	<	<	<	<	<	<	<
.7	SCREW, CAP HEX 5/16 X 3/4	2	00900012 0002	<	<	<	<	<	<	<	<
.8	SCREW, CAP HEX 3/8 X 1	3	00900012 0013	<	<	<	<	<	<	<	<
.9	CLAMP, HOSE	2	00902319 0017	<	<	<	<	<	<	<	<
.10	ELBOW, S-REDUCING	1	01228317 0108	<	<	<	<	<	<	<	<
.11	BUSHING, RED. 1/4 X 1/8	1	00901160 0001	<	<	<	<	<	<	<	<
.12	NIPPLE, PIPE 1/8 X 1-1/2	1	00902466 0046	<	<	<	<	<	<	<	<
.13	INDICATOR, AIR CLEANER	1	00519520 0004	<	<	<	<	<	<	<	<
.14	KEY, 3/8 SQ. X 1-3/4	1	00900947 0124	<	<	<	<	<	<	<	<
.15	COUPLING, FLEXIBLE	1	00543215 0082	<	<	<	<	<	<	<	<
.16	NUT, ELASTIC STOP 5/8	1	00900490 0017	<	<	<	<	<	<	<	<
.17	SCREW, CAP HEX 5/8 X 3-1/2	2	00900012 0115	<	<	<	<	<	<	<	<

REVISIONS: M1155L

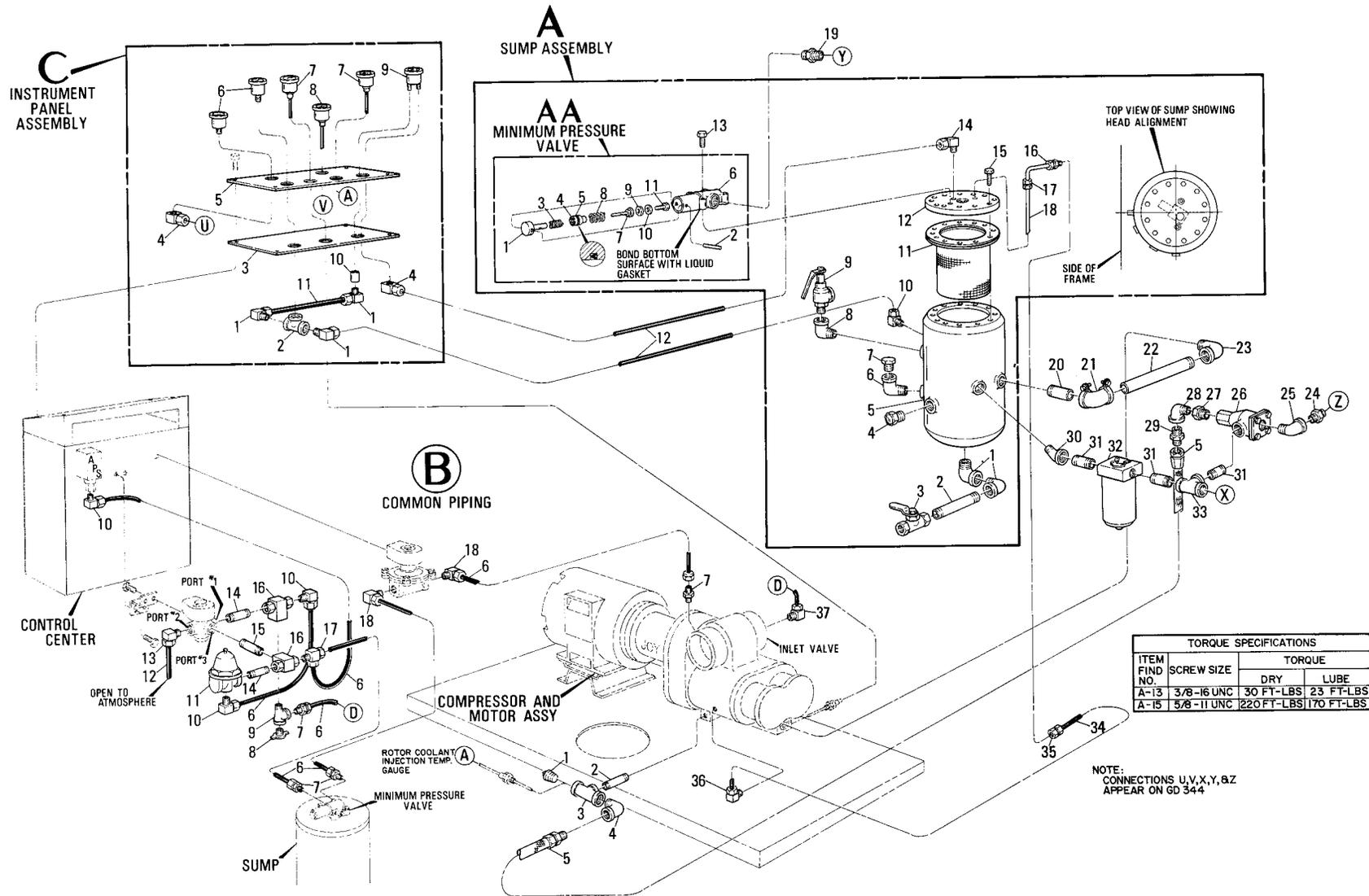
LEGEND: ODP = OPEN DRIPPROOF
TEFC = TOTALLY ENCLOSED FAN COOLED

PARTS LIST FOR : COMPRESSOR, MOTOR, INLET VALVE AND MTG. PARTS ASSEMBLIES

REFERENCE DRAWING NO. GD-319

REF. NO.	DESCRIPTION	QTY.	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.18	PLATE, VIBRA CHECK	2	01660562	<	<	<	<	<	<	<	<
.19	SUPPORT, MOTOR	1	03663693 0407	<	<	<	<	<	<	<	<
.20	MOUNTING, CENTER BONDED	2	00910335 0011	<	<	<	<	<	<	<	<
.21	BOLT, HEX 5/8 X 2-1/4	4	00900068 0059	<	<	<	<	<	<	<	<
.22	WASHER, PLAIN 1/2	8	00900317 0005	<	<	<	<	<	<	<	<
.23	SCREW, CAP HEX 1/2 X 1	8	00900012 0014	<	<	<	<	<	<	<	<
.24	SCREW, CAP HEX 5/8 X 1-3/4	4	00900012 0045	<	<	<	<	<	<	<	<
.25	WASHER, SNUBBING	2	01663701 0041	<	<	<	<	<	<	<	<
.26	MOUNTING, CENTER BONDED	1	00910335 0003	<	<	<	<	<	<	<	<
.27	SUPPORT, COMPRESSOR	1	03663693 0411	<	<	<	<	<	<	<	<
.28	SCREW, CAP NYLOCK	1	00900015 0054	<	<	<	<	<	<	<	<
.29	SCREW, CAP HEX 5/16 X 1	2	00900012 0012	<	<	<	<	<	<	<	<
.30	WASHER, PLAIN 5/16	2	00900317 0003	<	<	<	<	<	<	<	<
.31	SCREW, SELF TAP #10-16 X 1 1/2	4	00901551 0028	<	<	<	<	<	<	<	<
.32	NUT, HEX 5/8	4	00900160 0006	<	<	<	<	<	<	<	<
.33	SCREW, CAP HEX 3/8 X 3/4	4	00900012 0003	<	<	<	<	<	<	<	<
.34	WASHER, SEALING 3/8	4	00906361 0005	<	<	<	<	<	<	<	<
.35	WASHER, LOCK 3/8	3	00900302 0003	<	<	<	<	<	<	<	<
C	MOTOR & MTG. BRACKET										
.1	MOTOR (200 V.) ODP	1	00526398 1467	<	00526398 1473	00526398 1467	00526398 1473	00526398 1479	00526398 1473	00526398 1479	<
.1	MOTOR (230 V.) ODP	1	00526398 1468	<	00526398 1474	00526398 1468	00526398 1474	00526398 1480	00526398 1474	00526398 1480	<
.1	MOTOR (460 V.) ODP	1	00526398 1468	<	00526398 1474	00526398 1468	00526398 1474	00526398 1480	00526398 1474	00526398 1480	<
.1	MOTOR (575 V.) ODP	1	00526398 1469	<	00526398 1475	00526398 1469	00526398 1475	00526398 1481	00526398 1475	00526398 1481	<
.1	MOTOR (200 V.) TEFC	1	00526398 1470	<	00526398 1476	00526398 1470	00526398 1476	00526398 1482	00526398 1476	00526398 1482	<
.1	MOTOR (230 V.) TEFC	1	00526398 1471	<	00526398 1477	00526398 1471	00526398 1477	00526398 1483	00526398 1477	00526398 1483	<
.1	MOTOR (460 V.) TEFC	1	00526398 1471	<	00526398 1477	00526398 1471	00526398 1477	00526398 1483	00526398 1477	00526398 1483	<
.1	MOTOR (575 V.) TEFC	1	00526398 1472	<	00526398 1478	00526398 1472	00526398 1478	00526398 1484	00526398 1478	00526398 1484	<
.2	SUPPORT, MOTOR	1	01661806 0217	<	<	<	<	01661806 0218	01661806 0217	01661806 0218	<
D	FAN ASSY. & MTG. PARTS										
.1	FAN ASSY. (200 V.)	1	00543224 0090	<	00543224 0093	00543224 0090	00543224 0093	00543224 0096	00543224 0093	00543224 0096	<
*	MOTOR, TEFC	1	00526398 1343	<	<	<	<	00526398 1331	00526398 1343	00526398 1331	<
*	FAN	1	03661626 0014	<	03661626 0015	03661626 0014	03661626 0015	03661626 0016	03661626 0015	03661626 0016	<
.1	FAN ASSY. (230/460 V.)	1	00543224 0091	<	00543224 0094	00543224 0091	00543224 0094	00543224 0097	00543224 0094	00543224 0097	<
*	MOTOR, TEFC	1	00526398 1344	<	<	<	<	00526398 1332	00526398 1344	00526398 1332	<
*	FAN	1	03661626 0014	<	03661626 0015	03661626 0014	03661326 0015	03661626 0016	03661626 0015	03661626 0016	<
.1	FAN ASSY. (575 V.)	1	00543224 0092	<	00543224 0095	00543224 0092	00543224 0095	00543224 0098	00543224 0095	00543224 0098	<
*	MOTOR, TEFC	1	00526398 1345	<	<	<	<	00526398 1333	00526398 1345	00526398 1333	<
*	FAN	1	03661626 0014	<	03661326 0015	03661626 0014	03661626 0015	03661626 0016	03661626 0015	03661626 0016	<
.2	NUT, ELASTIC STOP 5/16	10	00900490 0051	<	<	<	<	<	<	<	<
.3	SCREW, CAP HEX	14	00900012 0002	<	<	<	<	<	<	<	<

REVISIONS: M1155L



DRAWING NO. GD-343
 Sump, Piping and Instrument Panel Assemblies

PARTS LIST FOR : SUMP, PIPING AND INSTRUMENT PANEL ASSEMBLIES

REFERENCE DRAWING NO. GD-343

REF. NO.	DESCRIPTION	QTY.	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
A	SUMP ASSEMBLY		00543236 2020	<	<	<	<	<	<	<	<
.1	ELBOW, 90° STREET 1/2	2	00901046 0004	<	<	<	<	<	<	<	<
.2	NIPPLE, PIPE 1/2 X 10	1	00902466 0274	<	<	<	<	<	<	<	<
.3	VALVE, BALL 1/2	1	00915785 0008	<	<	<	<	<	<	<	<
.4	GLASS, SIGHT	1	00914483 0032	<	<	<	<	<	<	<	<
.5	SUMP, OIL	1	03662422 0053	<	<	<	<	<	<	<	<
.6	ELBOW, SPECIAL	1	01760395 0010	<	<	<	<	<	<	<	<
.7	PLUG, FILLER	1	00519126	<	<	<	<	<	<	<	<
*	PACKING, O-RING	1	00903226 0024	<	<	<	<	<	<	<	<
.8	ELBOW, 90° STREET 3/4	1	00901046 0005	<	<	<	<	<	<	<	<
.9	VALVE, SAFETY	1	00527121 0028	<	<	<	<	<	<	<	<
.10	ELBOW, 90° MALE 1/4T X 1/8PT	1	00915557 0004	<	<	<	<	<	<	<	<
.11	SEPARATOR, OIL	1	00543117 0044	<	<	<	<	<	<	<	<
.12	HEAD, SUMP	1	01228358 0017	<	<	<	<	<	<	<	<
.13	SCREW, CAP CBORE 3/8 X 2-1/2	4	00901858 0041	<	<	<	<	<	<	<	<
.14	CONN., 90° MALE 1/4T X 1/4PT	1	00915557 0444	<	<	<	<	<	<	<	<
.15	SCREW, CAP 5/8 X 2 GRADE 8	12	00900042 0055	<	<	<	<	<	<	<	<
.16	ORIFICE, CONNECTOR .047	1	00910239 0016	<	<	<	<	<	<	<	<
.17	CONNECTOR, SPECIAL	1	00543286 0003	<	<	<	<	<	<	<	<
.18	TUBE, ASSEMBLY	1	00543290 0798	<	<	<	<	<	<	<	<
AA	VALVE, MINIMUM PRESSURE	1	00519055 0029	<	<	<	<	<	<	<	<
.1	STOP, SPRING	1	01228486 0006	<	<	<	<	<	<	<	<
.2	PIN, SPRING	1	00904685 0136	<	<	<	<	<	<	<	<
.3	SPRING	1	01661634	<	<	<	<	<	<	<	<
.4	PISTON, VALVE	1	01228364 0011	<	<	<	<	<	<	<	<
.5	SEAL, U-CUP	1	01663816 0010	<	<	<	<	<	<	<	<
.6	BODY, VALVE	1	01228401 0012	<	<	<	<	<	<	<	<
.7	PLATE	1	01663597 0461	<	<	<	<	<	<	<	<
.8	SPRING	1	01228269 0025	<	<	<	<	<	<	<	<
.9	WASHER	1	01663701 0042	<	<	<	<	<	<	<	<
.10	WASHER	1	00900321 0002	<	<	<	<	<	<	<	<
.11	SCREW	1	00913792 0038	<	<	<	<	<	<	<	<
B	PIPING, COMMON			<	<	<	<	<	<	<	<
.1	PLUG, PIPE SOC. HD. 1/2	1	00901921 0004	<	<	<	<	<	<	<	<
.2	NIPPLE, PIPE 1/2 X 3	1	00902466 0094	<	<	<	<	<	<	<	<
.3	TEE, PIPE 1/2	1	00901090 0004	<	<	<	<	<	<	<	<
.4	ELBOW, 90° RED. ST. 3/4 X 1/2	1	00901053 0002	<	<	<	<	<	<	<	<
.5	HOSE ASSEMBLY	1	00519120 0273	<	<	<	<	<	<	<	<
.6	TUBING (FT.)	17	00910084	<	<	<	<	<	<	<	<
.7	CONN., MALE 3/8T X 1/4PT	4	00915543 0064	<	<	<	<	<	<	<	<
REVISIONS:			M1259L								

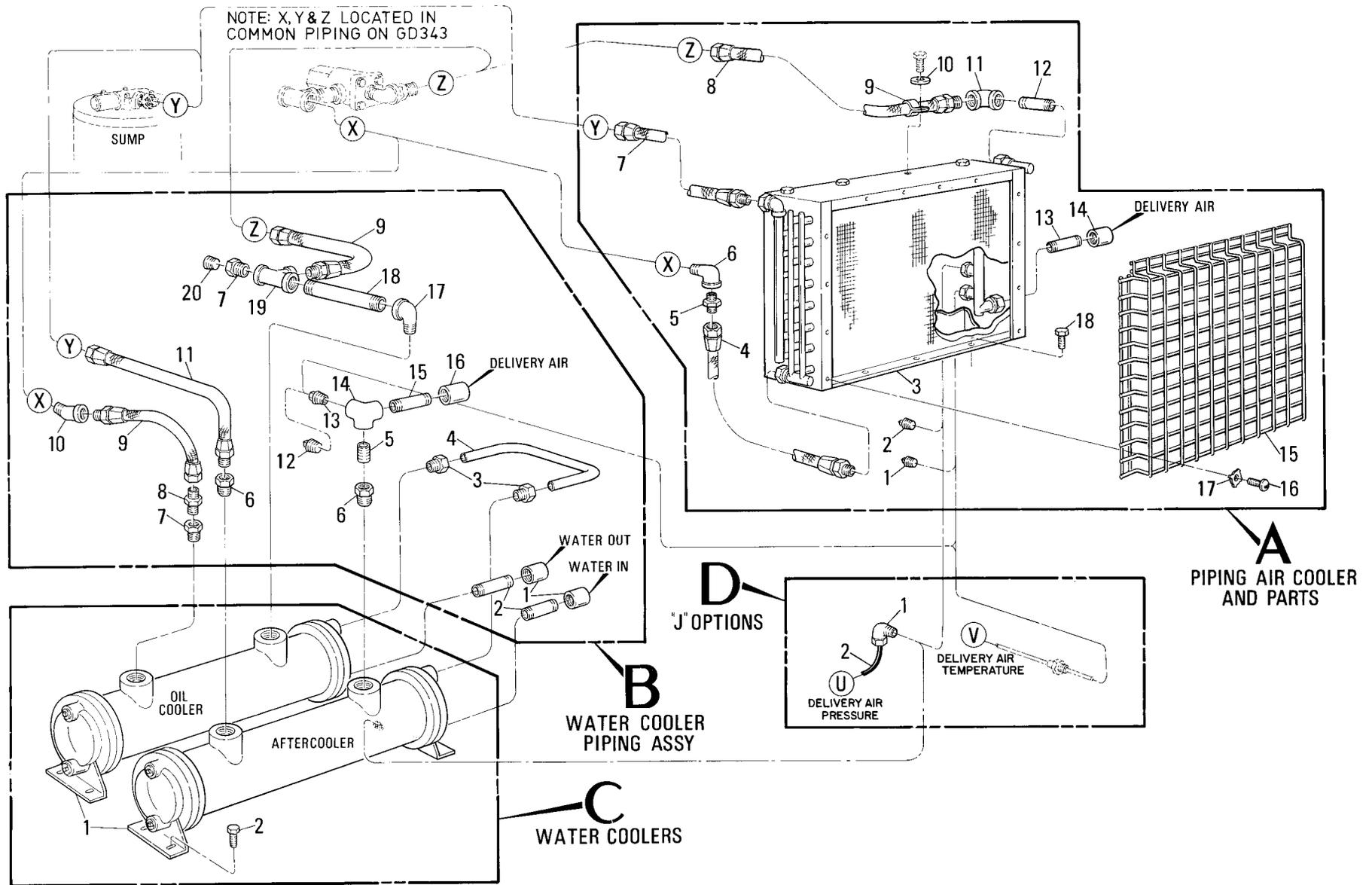
PARTS LIST FOR : SUMP, PIPING AND INSTRUMENT PANEL ASSEMBLIES

REF. NO.	DESCRIPTION	QTY.	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.8	COCK, DRAIN 1/4	1	00903873 0021	<	<	<	<	<	<	<	<
.9	TEE, STRAIGHT SERVICE 1/4	1	00906350 0001	<	<	<	<	<	<	<	<
.10	ELBOW, 90° MALE 3/8T X 1/4PT	1	00915557 0006	<	<	<	<	<	<	<	<
.11	VALVE, CONTROL	1	00543234 0003	<	<	<	<	<	<	<	<
*	KIT, MAINTENANCE	1	00701701 0287	<	<	<	<	<	<	<	<
.12	TUBING (FT.)	12	00910082	<	<	<	<	<	<	<	<
.13	ELBOW, 90° MALE 1/4T X 1/4PT	1	00915557 0444	<	<	<	<	<	<	<	<
.14	NIPPLE, X-CLOSE 1/4 X 7/8	2	00901176 0002	<	<	<	<	<	<	<	<
.15	NIPPLE, PIPE 1/4 X 1-1/2	1	00902466 0047	<	<	<	<	<	<	<	<
.16	VALVE, SHUTTLE	2	00543299 0007	<	<	<	<	<	<	<	<
.17	TEE, MALE RUN 3/8T X 1/4PT	1	00915564 0064	<	<	<	<	<	<	<	<
.18	ELBOW, 90° MALE 3/8T X 3/8PT	2	00915557 0066	<	<	<	<	<	<	<	<
.19	ADAPTER, MALE 1 1/2T X 1 1/2PT	1	00907234 2020	<	<	<	<	<	<	<	<
.20	NIPPLE, THD. ONE END 2 X 7 1/2	1	00910096 0234	<	<	<	<	<	<	<	<
.21	COUPLING, 90° FLEX 2"	1	00910410 0007	<	<	<	<	<	<	<	<
*	GASKET	2	00910068 0007	<	<	<	<	<	<	<	<
.22	NIPPLE, THD. ONE END 2 X 13	1	00910096 0333	<	<	<	<	<	<	<	<
.23	ELBOW, 90° STREET 2"	1	00901046 0009	<	<	<	<	<	<	<	<
.24	ADAPTER, MALE 1" T X 1" PT	1	00907234 1616	<	<	<	<	<	<	<	<
.25	ELBOW, 90° STREET 1"	1	00901046 0006	<	<	<	<	<	<	<	<
.26	VALVE, THERMOSTATIC	1	00519229 0017	<	<	<	<	<	<	<	<
*	KIT, MAINTENANCE	1	00701701 0345	<	<	<	<	<	<	<	<
.27	BUSHING, RED. 1 X 3/4	1	00901160 0013	<	<	<	<	<	<	<	<
.28	ELBOW, 90° STREET 3/4	1	00901046 0005	<	<	<	<	<	<	<	<
.29	ADAPTER, MALE 3/4T X 3/4PT	1	00907234 1212	<	<	<	<	<	<	<	<
.30	ELBOW, 45° STREET 1"	1	00901046 0026	<	<	<	<	<	<	<	<
.31	NIPPLE, PIPE 1 X 2-1/2	1	00902466 0078	<	<	<	<	<	<	<	<
.32	FILTER, OIL	1	00543346 0021	<	<	<	<	<	<	<	<
*	ELEMENT, OIL FILTER	1	01228337 0017	<	<	<	<	<	<	<	<
.33	TEE, PIPE 1"	1	00901090 0006	<	<	<	<	<	<	<	<
.34	TUBING (FT.)	2.5	00910086	<	<	<	<	<	<	<	<
.35	CONN., FEM. 1/4T X 1/4PT	1	00915550 0444	<	<	<	<	<	<	<	<
.36	ELBOW, 90° MALE 1/4T X 1/8P	1	00915557 0004	<	<	<	<	<	<	<	<
.37	ELBOW, 90° MALE 3/8T X 1/8P	1	00915557 0062	<	<	<	<	<	<	<	<
C	STD. INSTR. PANEL ASSY.		00543243 2013	<	<	<	<	<	<	<	<
.1	ELBOW, 90° MALE 1/4T X 1/8P	3	00915557 0004	<	<	<	<	<	<	<	<
.2	TEE, PIPE 1/8 BRASS	1	00904816 0001	<	<	<	<	<	<	<	<
.3	PANEL, STD. INSTRUMENT	1	01228091 0036	<	<	<	<	<	<	<	<
.4	ELBOW, 90° FEM. 1/4T X 1/8P	1	00915538 0004	<	<	<	<	<	<	<	<
.6	GAUGE, PRESSURE	1	00527640 0005	<	<	<	<	<	<	<	<

REVISIONS: M1259L

* NOT ILLUSTRATED.

< IDENTICAL TO PRECEDING PART NUMBER



DRAWING NO. GD-344
 Piping and Cooler Assemblies

LEGEND: A/C = AIR COOLED
W/C = WATER COOLED

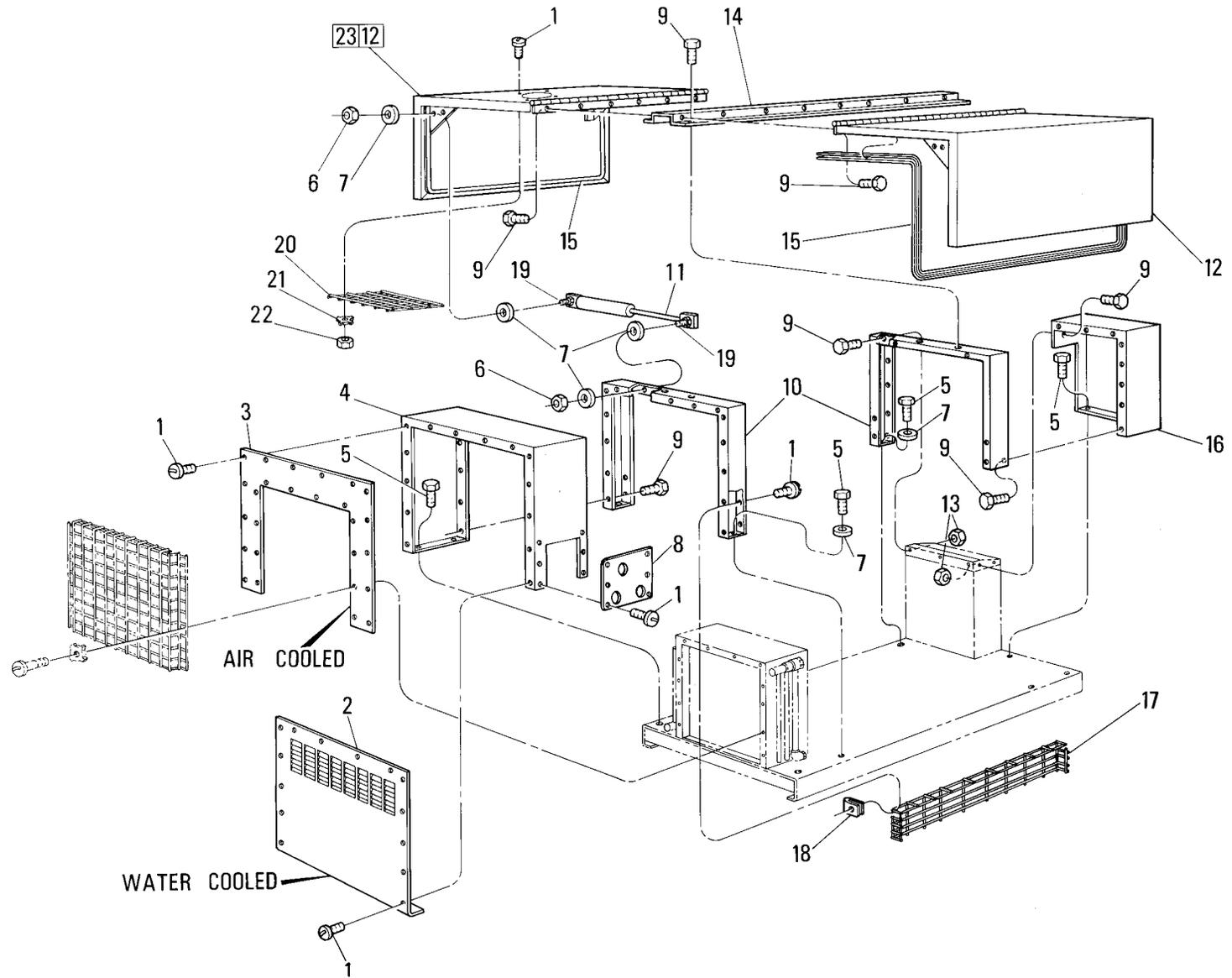
PARTS LIST FOR : PIPING AND COOLER ASSEMBLIES

REFERENCE DRAWING NO. GD-344

REF. NO.	DESCRIPTION	QTY.	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
			PART NO.								
A	PIPING, COOLER & PARTS (A/C)		00701781 0012	00701781 0012	00701781 0013	00701781 0012	00701781 0013	00701781 0014	00701781 0013	00701781 0014	00701781 0014
.1	PLUG, PIPE SOC. HD. 1/2	1	00901921 0004	<	<	<	<	<	<	<	<
.2	PLUG, PIPE SOC. HD. 1/4	1	00901921 0002	<	<	<	<	<	<	<	<
.3	COOLER ASSEMBLY (A/C)	1	00543305 0110	<	00543305 0111	00543305 0110	00543305 0111	00543305 0112	00543305 0111	00543305 0112	<
.4	HOSE ASSEMBLY	1	00519120 0275	<	<	<	<	<	<	<	<
.5	ADAPTER, MALE 1" T X 1" PT	1	00907234 1616	<	<	<	<	<	<	<	<
.6	ELBOW, 90° STREET 1"	1	00901046 0006	<	<	<	<	<	<	<	<
.7	HOSE ASSEMBLY	1	00519120 0278	<	<	<	<	<	<	<	<
.8	HOSE ASSEMBLY	1	00519120 0274	<	<	<	<	<	<	<	<
.9	CLAMP, HOSE	1	00902905 0027	<	<	<	<	<	<	<	<
.10	WASHER, PLAIN 5/16	1	00900317 0003	<	<	<	<	<	<	<	<
.11	ELBOW, PIPE 90° 1"	1	00901023 0006	<	<	<	<	<	<	<	<
.12	NIPPLE, PIPE 1 X 7-1/2	1	00902466 0231	<	<	<	<	<	<	<	<
.13	NIPPLE, PIPE 1-1/4 X 3-1/2	1	00902466 0115	<	<	00902466 0115	<	<	<	<	<
.13	NIPPLE, PIPE 1-1/2 X 2	1		<	00902466 0061	<	00902466 0061	<	00902466 0061	<	<
.14	COUPLING, PIPE 1-1/4	1	00901286 0007	<	<	<	<	<	00901286 0007	<	<
.15	GUARD, COOLER	1	03661655 0047	<	03661655 0048	03661655 0047	03661655 0048	03661655 0049	03661655 0048	03661655 0049	<
.16	SCREW, MACH. 1/4-20 X 3/4	12	00905850 0071	<	<	<	<	<	<	<	<
.17	WASHER, LOCK 1/4	12	00910182 0007	<	<	<	<	<	<	<	<
.18	SCREW, CAP 3/8 X 3/4	6	00900012 0003	<	<	<	<	<	<	<	<
B	PIPING, AIR & OIL (W/C)		00707079 2131	<	<	<	<	<	<	<	<
.1	COUPLING, PIPE 3/4 GALV.	2	00901285 0005	<	<	<	<	<	<	<	<
.2	NIPPLE, PIPE 3/4 X 3-1/2	2	00902469 0113	<	<	<	<	<	<	<	<
.3	CONNECTOR, MALE 3/4 T X 3/4 P	2	00912034 0012	<	<	<	<	<	<	<	<
.4	TUBE	1	01760049 0050	<	<	<	<	<	<	<	<
.5	NIPPLE, CLOSE 1-1/4	1	00901176 2015	<	<	<	<	<	<	<	<
.6	BUSHING, RED. 1-1/2 X 1-1/4	2	00901160 0021	<	<	<	<	<	<	<	<
.7	BUSHING, RED. 1-1/2 X 1	2	00901160 0020	<	<	<	<	<	<	<	<
.8	ADAPTER, MALE 1" T X 1" PT	1	00907234 1616	<	<	<	<	<	<	<	<
.9	HOSE ASSEMBLY	2	00519120 0139	<	<	<	<	<	<	<	<
.10	ELBOW, 45° STREET 1"	1	00901046 0026	<	<	<	<	<	<	<	<
.11	HOSE ASSEMBLY	1	00519120 0190	<	<	<	<	<	<	<	<
.12	PLUG, PIPE 1/2	1	00901204 0004	<	<	<	<	<	<	<	<
.13	BUSHING, RED. 1-1/4 X 1/2	1	00901159 0009	<	<	<	<	<	<	<	<
.14	ELBOW, SIDE OUTLET 1-1/4	1	00902150 0007	<	<	<	<	<	<	<	<
.15	NIPPLE, PIPE 1-1/4 X 5	1	00902466 0169	<	<	<	<	<	<	<	<
.16	COUPLING, PIPE 1-1/4	1	00901286 0007	<	<	<	<	<	<	<	<
.17	ELBOW, 90° STREET 1-1/2	1	00901046 0008	<	<	<	<	<	<	<	<
.18	NIPPLE, PIPE 1-1/2 X 9	1	00902466 0260	<	<	<	<	<	<	<	<
.19	TEE, RED. 1-1/2 X 1-1/2 X 1	1	00905329 0039	<	<	<	<	<	<	<	<

REVISIONS: M1259L

NOTES



DRAWING NO. GD-321
Enclosure and Mounting Parts

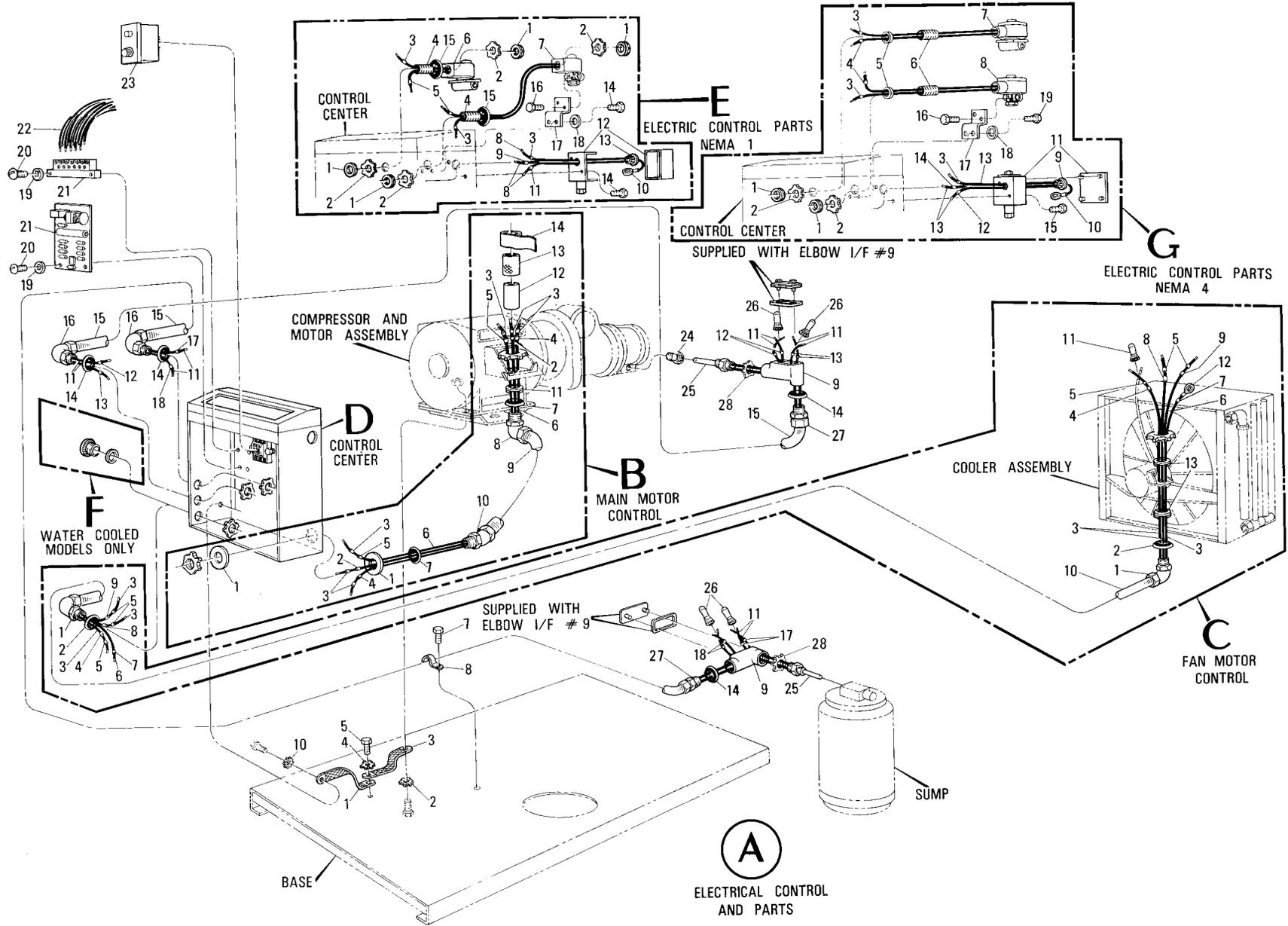
LEGEND: A/C = AIR COOLED
W/C = WATER COOLED
B = WITHOUT ENCLOSURE
E = WITH ENCLOSURE

PARTS LIST FOR : ENCLOSURE AND MOUNTING PARTS

REF. NO.	DESCRIPTION	QTY.	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
			PART NO.								
	ENCLOSURE & MTG. PARTS (A/C)		00701679 2049	<	00701679 2050	00701679 2049	00701679 2050	00701679 2051	00701679 2050	00701679 2051	<
	ENCLOSURE & MTG. PARTS (W/C)		00701679 2052	<	<	<	<	<	<	<	<
.1	SCREW, PAN HD. 1/4 X 3/4	29	00905850 0071	<	<	<	<	<	<	<	<
.2	PANEL, COOLER END (W/C)	1	01663769 0543	<	<	<	<	<	<	<	<
.3	PANEL, COOLER END (A/C)	1	01663769 0540	<	01663769 0541	01663769 0540	01663769 0541	01663769 0542	01663769 0541	01663769 0542	<
.4	PANEL, ASSY.-COOLER	1	03660848 0171	<	<	<	<	<	<	<	<
.5	SCREW, CAP HEX 5/16 X 3/4	10	00900012 0002	<	<	<	<	<	<	<	<
.6	NUT, HEX 5/16	8	00900160 0003	<	<	<	<	<	<	<	<
.7	WASHER, PLAIN 5/16	20	00900323 0008	<	<	<	<	<	<	<	<
.8	PLATE, COVER (A/C)	1	01663597 0497	<	<	<	<	<	<	<	<
.8	PLATE, COVER (W/C)	1	01663597 0498	<	<	<	<	<	<	<	<
.9	SCREW, THD. FORM 1/4 X 3/4	44	00913792 0054	<	<	<	<	<	<	<	<
.10	SUPPORT, ASSY.-ENCLOSURE	2	03663693 0412	<	<	<	<	<	<	<	<
.11	SPRING, ASSY.-GAS	4	00543430 0001	<	<	<	<	<	<	<	<
.12	DOOR, ASSY.-ACCESS	2	03228217 0072	<	<	<	<	<	<	<	<
.13	NUT, HEX 1/4	5	00900160 0002	<	<	<	<	<	<	<	<
.14	SUPPORT, ASSY. DOOR	1	03663693 0408	<	<	<	<	<	<	<	<
.15	TRIM, FLEXIBLE (FT.)	22	00910436	<	<	<	<	<	<	<	<
.16	PANEL, ASSY.-MOTOR	1	03660848 0153	<	<	<	<	<	<	<	<
.17	GUARD, ENCLOSURE	2	03661655 0050	<	<	<	<	<	<	<	<
.18	NUT, SPEED 1/4	8	00909088 0004	<	<	<	<	<	<	<	<
.19	STUD, BALL	8	01228254 0025	<	<	<	<	<	<	<	<
	MISCELLANEOUS PARTS AND DECALS										
*	DECAL, MACHINE CLASS	1	01661700 0040	01661700 0039	01661700 0043	01661700 0038	01661700 0042	01661700 0046	01661700 0041	01661700 0045	01661700 0044
*	DECAL, TWISTAIR (B)	1	01661700 0079	<	<	<	<	<	<	<	<
*	DECAL, TWISTAIR (E)	2	01661700 0079	<	<	<	<	<	<	<	<
*	DECAL, DANGER-BREATHING	1	01228378 0057	<	<	<	<	<	<	<	<
*	DECAL, DANGER-PRESSURE	1	01228378 0058	<	<	<	<	<	<	<	<
*	DECAL, JOY WORLD (E)	2	01228175 0084	<	<	<	<	<	<	<	<
*	DECAL, STRIPING (E) (FT.)	10	00818108	<	<	<	<	<	<	<	<
*	DECAL, WARNING-ELECTRIC	1	01228378 0071	<	<	<	<	<	<	<	<
*	DECAL, WARNING-MANUAL	1	01228378 0062	<	<	<	<	<	<	<	<
*	DECAL, CAUTION-LIFTING	1	01228378 0059	<	<	<	<	<	<	<	<
*	DECAL, CAUTION-ROTATION	1	01228378 0063	<	<	<	<	<	<	<	<
*	PLATE, IDENTIFICATION	1	01663832 0046	<	<	<	<	<	<	<	<
*	RIVET, POP	2	00910270 0007	<	<	<	<	<	<	<	<
*	DECAL, CAUTION-SPARE PTS.	1	01228378 0065	<	<	<	<	<	<	<	<
*	PLATE, JOY WORLD - REG.™	1	01663844 0011	<	<	<	<	<	<	<	<
*	DECAL, NOTICE-LUBRICANT	1	01228378 0066	<	<	<	<	<	<	<	<

REVISIONS: M1259L

NOTES



DRAWING NO. GD-322
 Electrical Control and Parts

PARTS LIST FOR : ELECTRICAL CONTROL AND PARTS

REFERENCE DRAWING NO. GD-322

REF. NO.	DESCRIPTION	QTY.	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
A	CONTROL & PTS., ELECTRICAL		00707101 2045	<	<	<	<	<	<	<	<
.1	STRAP, GROUND	1	01760404 0042	<	<	<	<	<	<	<	<
.2	WASHER, LOCK 5/8	1	00905631 0029	<	<	<	<	<	<	<	<
.3	STRAP, GROUND	1	01760404 0043	<	<	<	<	<	<	<	<
.4	WASHER, LOCK 3/8	1	00905631 0020	<	<	<	<	<	<	<	<
.5	SCREW, CAP HEX 3/8 X 1-1/4	1	00900012 0023	<	<	<	<	<	<	<	<
.7	SCREW, CAP HEX 1/4 X 1/2	2	00900012 0387	<	<	<	<	<	<	<	<
.8	CLAMP, CONDUIT 1/2	1	00600704 0559	<	<	<	<	<	<	<	<
.9	ELBOW, CONDUIT 1/2	2	00600704 0557	<	<	<	<	<	<	<	<
.10	WASHER, LOCK 1/4	1	00905631 0013	<	<	<	<	<	<	<	<
.11	WIRE, #16 BLUE (FT.)	16	00600750 0019	<	<	<	<	<	<	<	<
.12	MARKER, WIRE WMT-20 (FT.)	.2	00600714 1288	<	<	<	<	<	<	<	<
.13	MARKER, WIRE WMT-22 (FT.)	.2	00600714 1290	<	<	<	<	<	<	<	<
.14	GASKET, ASSY. 1/2	4	00600704 0269	<	<	<	<	<	<	<	<
.15	CONDUIT, FLEXIBLE 1/2 (FT.)	10	00600702 0014	<	<	<	<	<	<	<	<
.16	CONNECTOR, 90° 1/2	2	00600704 0263	<	<	<	<	<	<	<	<
.17	MARKER, WIRE WMT-21 (FT.)	.2	00600714 1289	<	<	<	<	<	<	<	<
.18	MARKER, WIRE WMT-23 (FT.)	.2	00600714 1291	<	<	<	<	<	<	<	<
.19	WASHER, LOCK #8	4	00900610 0003	<	<	<	<	<	<	<	<
.20	SCREW, RD. HD. #6 X 5/8	4	00901548 0031	<	<	<	<	<	<	<	<
.21	SWITCH, TEMPERATURE CONTROL	1	00600715 0401	<	<	<	<	<	<	<	<
.22	HARNESS, WIRING	1	00519036 0171	<	<	<	<	<	<	<	<
.23	RELAY, TIMER	1	00600726 0231	<	<	<	<	<	<	<	<
.24	BUSHING, RED. 1/2 X 1/4	1	00901167 0005	<	<	<	<	<	<	<	<
.25	PROBE	2	00600715 0354	<	<	<	<	<	<	<	<
.26	CONNECTOR, ELEC. SPRING	4	00600704 0447	<	<	<	<	<	<	<	<
.27	CONNECTOR, STR. 1/2	2	00600704 0247	<	<	<	<	<	<	<	<
.28	NUT, ELEC. LOCK 1/2 CONDUIT	2	00901402 0001	<	<	<	<	<	<	<	<
*	TIE, SELF-LOCK	15	00600704 0343	<	<	<	<	<	<	<	<
*	MOUNT, ANCHOR	4	00600704 0351	<	<	<	<	<	<	<	<
B	CONTROL, MAIN MOTOR (200 V.)		00707116 0113	<	00707116 0117	00707116 0113	00707116 0117	00707116 0120	00707116 0117	00707116 0120	<
B	CONTROL, MAIN MOTOR (230 V.)		00707116 0114	<	00707116 0118	00707116 0114	00707116 0118	00707116 0121	00707116 0118	00707116 0121	<
B	CONTROL, MAIN MOTOR (460 V.)		00707116 0115	<	00707116 0119	00707116 0115	00707116 0119	00707116 0122	00707116 0119	00707116 0122	<
B	CONTROL, MAIN MOTOR (575 V.)		00707116 0116	<	<	<	<	00707116 0123	00707116 0116	00707116 0123	<
.1	WASHER, RED. (200 V.)	2	00600692 0015	<	<	<	<	<	<	<	<
.1	WASHER, RED. (230/460 V.)	2	00600692 0015	<	<	<	<	<	<	<	<
.1	WASHER, RED. (575 V.)	2	00600692 0015	<	<	<	<	<	<	<	<
.2	MARKER, WIRE WMT-2T (FT.)	.6	00600714 1252	<	<	<	<	<	<	<	<

REVISIONS: M1259L

PARTS LIST FOR : _____ ELECTRICAL CONTROL AND PARTS _____

REFERENCE DRAWING NO. GD-322

REF. NO.	DESCRIPTION	QTY.	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.3	MARKER, WIRE WMT-1 (FT.)	.6	00600714 1246	<	<	<	<	<	<	<	<
.4	MARKER, WIRE WMT-T3 (FT.)	.6	00600714 1253	<	<	<	<	<	<	<	<
.5	MARKER, WIRE WMT-T1 (FT.)	.6	00600714 1251	<	<	<	<	<	<	<	<
.6	CABLE (200 V.) (FT.)	12	00602111 0010	<	00602111 0009	00602111 0010	00602111 0009	<	00602111 0009	<	<
.6	CABLE (200 V.) (FT.)	10.5	<	<	<	<	<	00602111 0012	<	<	<
.6	CABLE (230/460 V.) (FT.)	12	00602111 0010	<	<	<	<	00602111 0011	<	<	<
.6	CABLE (230/460 V.) (FT.)	10.5	<	<	<	<	<	<(QTY. 10.5)	<(QTY. 12)	<(QTY. 10.5)	<(QTY. 10.5)
.6	WIRE (575 V.) (FT.)	12	00600750 0026	<	<	<	<	<	<	<	<
.7	GASKET, ASSY. 1-1/2	2	00600704 0272	<	<	<	<	<	<	<	<
.7	GASKET, ASSY. 2" (200 V.)	2	<	<	00600704 0273	<	<	<	<	<	<
.7	GASKET 1 1/2 (230/460/575 V.)	2	<	<	00600704 0272	<	<	<	<	<	<
.7	GASKET, ASSY. 2" (200 V.)	2	<	<	<	<	<	00600704 0273	<	<	<
.7	GASKET 2" (230/460 V.)	2	<	<	<	<	<	00600704 0273	<	<	<
.7	GASKET, ASSY. 1-1/2 (575 V.)	2	<	<	<	<	<	00600704 0272	<	<	<
.8	CONNECTOR, 90° (200 V.)	1	00600704 0266	<	00600704 0267	00600704 0266	00600704 0267	<	<	<	<
.8	CONNECTOR, 90° (230/460 V.)	1	00600704 0266	<	<	<	<	00600704 0267	00600704 0266	00600704 0267	<
.8	CONNECTOR, 90° (575 V.)	1	00600704 0266	<	<	<	<	<	<	<	<
.9	CONDUIT (200 V.) (FT.)	1.9	00600702 0017	<	00600702 0018	00600702 0017	00600702 0018	<	00600702 0018	<	<
.9	CONDUIT (200 V.) (FT.)	1.2	<	<	<	<	00600702 0018	<	<	<	<
.9	CONDUIT (230/460 V.) (FT.)	1.9	00600702 0017	<	<	<	<	<	<	<	<
.9	CONDUIT (230/460 V.) (FT.)	1.2	<	<	<	<	00600702 0017	<(QTY. 1.2)	<(QTY. 1.9)	<(QTY. 1.2)	<(QTY. 1.2)
.9	CONDUIT (575 V.) (FT.)	1.9	00600702 0017	<	<	<	<	<	<	<	<
.10	CONNECTOR, 45° (200 V.)	1	00600704 0258	<	00600704 0259	00600704 0258	00600704 0259	<	<	<	<
.10	CONNECTOR, 45° (230/460 V.)	1	00600704 0258	<	<	<	<	00600702 0259	00600702 0258	00600702 0259	<
.10	CONNECTOR, 45° (575 V.)	1	00600704 0258	<	<	<	<	<	<	<	<
.11	BUSHING, RED. (200 V.)	1	00600704 0535	<	<	<	<	<	<	<	<
.11	BUSHING, RED. (230/460 V.)	1	00600704 0535	<	<	<	<	<	<	<	<
.11	BUSHING, RED. (575 V.)	1	00600704 0535	<	<	<	<	<	<	<	<
.12	CONNECTOR, LEAD (200 V.)	3	00600704 0492	<	00600704 0494	00600704 0492	00600704 0494	00600704 0477	00600704 0494	00600704 0477	<
.12	CONNECTOR, LEAD (230 V.)	3	00600704 0491	<	00600704 0492	00600704 0491	00600704 0492	00600704 0472	00600704 0492	00600704 0472	<
.12	CONNECTOR, LEAD (460 V.)	3	00600704 0492	<	00600704 0495	00600704 0492	00600704 0495	00600704 0468	00600704 0495	00600704 0468	<
.12	CONNECTOR, LEAD (575 V.)	3	00600704 0495	<	<	<	<	<	<	<	<
.13	TUBE (200,575 V.) (FT.)	.8	00800080	<	<	<	<	<	<	<	<
.13	TUBE (230/460 V.) (FT.)	.8	00800080	<	<	<	<	<(QTY. 1.4)	<(QTY. .8)	<(QTY. 1.4)	<
.14	TAPE (200 V.) (FT.)	6	00600704 0558	<	<	<	<	<	<	<	<
.14	TAPE (230 V.) (FT.)	6	00600704 0558	<	<	<	<	<(QTY. 10.5)	<(QTY. 6)	<(QTY. 10.5)	<
.14	TAPE (460 V.) (FT.)	6	00600704 0558	<	<(QTY. 10.5)	<(QTY. 6)	<(QTY. 10.5)	<	<	<	<
.14	TAPE (575 V.) (FT.)	10.5	00600704 0558	<	<	<	<	<	<	<	<
*	CONNECTOR (230 V.)	1	00600704 0450	<	<	<	<	00600704 0467	00600704 0450	00600704 0467	<
*	CONNECTOR (460 V.)	3	00600704 0450	<	<	<	<	00600704 0542	00600704 0450	00600704 0542	<

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REVISIONS: M1259L

PARTS LIST FOR : ELECTRICAL CONTROL AND PARTS

REFERENCE DRAWING NO. GD-322

REF. NO.	DESCRIPTION	QTY.	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
C	CONTROL, FAN MOTOR		00707117 0005	<	<	<	<	<	<	<	<
.1	CONNECTOR, 90° 1/2	2	00600704 0263	<	<	<	<	<	<	<	<
.2	GASKET, ASSY. 1/2	2	00600704 0269	<	<	<	<	<	<	<	<
.3	WIRE, #14 BLACK (FT.)	23	00600750 0023	<	<	<	<	<	<	<	<
.4	MARKER, WMT-11 (FT.)	.2	00600714 1251	<	<	<	<	<	<	<	<
.5	MARKER, WMT-2 (FT.)	.2	00600714 1247	<	<	<	<	<	<	<	<
.6	WIRE, #14 GREEN (FT.)	8	00600750 0038	<	<	<	<	<	<	<	<
.7	MARKER, WIRE GND	1	00600714 1119	<	<	<	<	<	<	<	<
.8	MARKER, WMT-T2 (FT.)	.2	00600714 1252	<	<	<	<	<	<	<	<
.9	MARKER, WMT-T3 (FT.)	.2	00600714 1253	<	<	<	<	<	<	<	<
.10	CONDUIT, FLEXIBLE 1/2 (FT.)	5.5	00600702 0014	<	<	<	<	<	<	<	<
.11	CONNECTOR, ELEC. SPRING	6	00600704 0447	<	<	<	<	<	<	<	<
.12	TERMINAL, #10 RING TONGUE	1	00600740 0005	<	<	<	<	<	<	<	<
.13	WASHER, RED. 3/4 X 1/2	2	00600692 0003	<	<	<	<	<	<	<	<
D	CONTROL CENTER (200/230 V.)	1	00527070 1314	<	00527070 1315	00527070 1314	00527070 1315	<	<	<	<
D	CONTROL CENTER (460/575 V.) (REFER TO PAGES 24 AND 25 FOR INTERNAL PARTS BREAKDOWN)	1	00527070 1313	<	<	<	<	00527070 1314	00527070 1313	00527070 1314	<
E	NEMA 12 ELEC. CONTROL PARTS										
.1	BUSHING, CONDUIT 1/2	4	00600704 0286	<	<	<	<	<	<	<	<
.2	NUT, ELEC. LOCK 1/2	4	00901402 0001	<	<	<	<	<	<	<	<
.3	MARKER, WMT-2 (FT.)	.6	00600714 1247	<	<	<	<	<	<	<	<
.4	NIPPLE, CONDUIT 1/2	2	00600704 0385	<	<	<	<	<	<	<	<
.5	MARKER, WMT-9 (FT.)	.4	00600714 1294	<	<	<	<	<	<	<	<
.6	VALVE, SOLENOID 2-WAY	1	00600734 0251	<	<	<	<	<	<	<	<
.7	VALVE, SOLENOID 3-WAY	1	00600734 0252	<	<	<	<	<	<	<	<
.8	WIRE, #16 RED (FT.)	1.5	00600750 0015	<	<	<	<	<	<	<	<
.9	MARKER, WMT-8 (FT.)	.2	00600714 1293	<	<	<	<	<	<	<	<
.10	TERMINAL, #10 RING TONGUE	3	00600740 0005	<	<	<	<	<	<	<	<
.11	MARKER, WMT-4	.2	00600714 1249	<	<	<	<	<	<	<	<
.12	SWITCH, PRESSURE	1	00600713 0347	<	<	<	<	<	<	<	<
.13	BUSHING, SNAP	1	00600704 0338	<	<	<	<	<	<	<	<
.14	SCREW, THD. FORM 1/4 X 1-1/2	4	00913792 0038	<	<	<	<	<	<	<	<
.15	GASKET, ASSY. 3/8 X 1/2	2	00600704 0269	<	<	<	<	<	<	<	<
.16	SCREW, PAN HD. ST. #8 X 1/4	2	00905827 0021	<	<	<	<	<	<	<	<
.17	BRACKET, SOLENOID VALVE	1	01663798 0122	<	<	<	<	<	<	<	<
REVISIONS:			M1259L								

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PARTS LIST FOR : ELECTRICAL CONTROL AND PARTS

REFERENCE DRAWING NO. GD-322

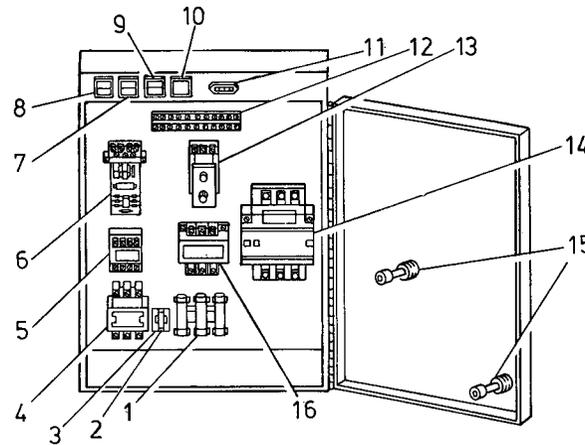
REF. NO.	DESCRIPTION	QTY.	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.18	WASHER, PLAIN 1/4	2	00900317 0002	<	<	<	<	<	<	<	<
F	PLUG, HOLE (WATER COOLED ONLY)	1	00600704 0517	<	<	<	<	<	<	<	<
G	NEMA 4 ELEC. CONTROL PARTS										
.1	BUSHING, INSULATED 1/2	2	00600704 0286	<	<	<	<	<	<	<	<
.2	NUT, ELEC. LOCK	2	00901402 0001	<	<	<	<	<	<	<	<
.3	MARKER, WMT-2 (FT.)	.6	00600714 1247	<	<	<	<	<	<	<	<
.4	MARKER, WMT-9 (FT.)	.4	00600714 1294	<	<	<	<	<	<	<	<
.5	GASKET, ASSY.	2	00600704 0269	<	<	<	<	<	<	<	<
.6	NIPPLE, CONDUIT 1/2	2	00600704 0385	<	<	<	<	<	<	<	<
.7	VALVE, SOLENOID 2-WAY	1	00600734 0244	<	<	<	<	<	<	<	<
.8	VALVE, SOLENOID 3-WAY	1	00600734 0224	<	<	<	<	<	<	<	<
.9	BUSHING, SNAP	1	00600704 0338	<	<	<	<	<	<	<	<
.10	TERMINAL, #10 RING TONGUE	3	00600740 0005	<	<	<	<	<	<	<	<
.11	SWITCH, PRESSURE	1	00600713 0481	<	<	<	<	<	<	<	<
.12	MARKER, WMT-4 (FT.)	.2	00600714 1249	<	<	<	<	<	<	<	<
.13	WIRE, #16 RED (FT.)	1.5	00600750 0015	<	<	<	<	<	<	<	<
.14	MARKER, WMT-8 (FT.)	.2	00600714 1293	<	<	<	<	<	<	<	<
.15	SCREW, MACHINE #12 X 1-1/4	2	00900333 0208	<	<	<	<	<	<	<	<
.16	SCREW, PAN HD. ST. #8 X 1/4	2	00905827 0021	<	<	<	<	<	<	<	<
.17	BRACKET, SOLENOID VALVE	1	01663798 0123	<	<	<	<	<	<	<	<
.18	WASHER, PLAIN 1/4	2	00900317 0002	<	<	<	<	<	<	<	<
.19	SCREW, THD. FORM 1/4 X 1/2	2	00913792 0038	<	<	<	<	<	<	<	<
REVISIONS:			M1259L								

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NOTES

ELECTRICAL CONTROL CENTER

DESCRIPTION	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
CONTROL CENTER (200/230 V.)	00527070 1314	<	00527070 1315	00527070 1314	00527070 1315	<	<	<	<
CONTROL CENTER (460/575 V.)	00527070 1313	<	<	<	<	00527070 1314	00527070 1313	00527070 1314	<



ITEM FIND	DESCRIPTION	QTY.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.1	CONTROL CENTER (CUTLER-HAMMER) HOLDER, FUSE	1	00527070 1313 00600714 1306	00527070 1314 <	00527070 1315 <			
.2	FUSE	2	00600751 0023	<	<			
.3	BLOCK, FUSE	2	00600714 1329	<	<			
.4	STARTER, FAN MOTOR	1	00526399 0442	<	<			
.5	RELAY, CONTROL	1	00600744 0245	<	<			
.6	CONTROL, TEMPERATURE	1	00600715 0401	<	<			
.7	BUTTON, RED-STOP	1	00600701 0641	<	<			
*	BLOCK, CONTACT	1	00600701 0534	<	<			
*	PUSHBUTTON, STOP	1	00600701 0519	<	<			
*	LIGHT, INDICATING	1	00600701 0514	<	<			
*	LENS, RED (STOP-RESET)	1	00600701 0629	<	<			
.8	BUTTON, GREEN-RUN/AUTO	1	00600701 0640	<	<			
*	BLOCK, CONTACT	1	00600701 0533	<	<			

REVISIONS:	M1188L								
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* NOT ILLUSTRATED.

< IDENTICAL TO PRECEDING PART NUMBER

ELECTRICAL CONTROL CENTER

REF. NO.	DESCRIPTION	QTY.										
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	
* * * .9	PUSHBUTTON, START LIGHT, INDICATING LENS, GREEN (RUN/AUTO) BUTTON, LOAD/UNLOAD	1 1 1 1	00600701 0518 00600701 0514 00600701 0680 00600701 0670	< < < <	< < < <							
* * * *	BLOCK, CONTACT SWITCH, SELECTOR PUSHBUTTON, LOAD PUSHBUTTON, UNLOAD	1 1 1 1	00600701 0533 00600701 0512 00600701 0669 00600701 0523	< < < <	< < < <							
.10 * * .11	LIGHT, HIGH AIR TEMPERATURE LIGHT, INDICATING LENS, RED (HIGH AIR TEMP.) HOURMETER	1 1 1 1	00600701 0642 00600701 0515 00600701 0627 00600735 0103	< < < <	< < < <							
.12 .13 .14 .15	BOARD, TERMINAL TIMER, RELAY STARTER, MAIN MOTOR BUTTON, RESET	1 1 1 2	00600714 1340 00600726 0231 00526399 0492 00600714 0981	< < < <	< < 00526399 0503 <			00526399 0494				
.16	TRANSFORMER	1	00600716 0103	<	<							
REVISIONS:			M1188L									

FORM MC-2441 8/76 2C D * NOT ILLUSTRATED < IDENTICAL TO PRECEDING PART NUMBER.

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RECOMMENDED SPARES

PAGE NO.	DESCRIPTION	TA-150	TA-175	TA-180	SUGGESTED STOCK QUANTITIES FOR			
		PART NO.	PART NO.	PART NO.	1 UNIT	2 TO 5 UNITS	6 TO 9 UNITS	10 & OVER UNITS
3	KIT, SHAFT SEAL MAINTENANCE	H0701701 0327	<	<	1	2	3	4
3	GASKET, VALVE TO STATOR	01663742 0169	<	<	2	4	6	8
3	BEARING, FLANGED	00903778 0041	<	<	0	1	2	3
3	SPRING	01228269 0025	<	<	1	2	3	4
3	SPRING, PISTON	01228269 0054	<	<	1	2	3	4
3	SEAL, U-CUP	01663816 0008	<	<	1	2	3	4
3	PACKING, O-RING	00910660 0114	<	<	1	2	3	4
3	ELEMENT, AIR FILTER	03606283 0031	<	<	1	3	6	9
3	INDICATOR, AIR CLEANER	00519520 0004	<	<	0	1	2	3
7	GLASS, SIGHT	00914483 0032	<	<	1	2	2	3
7	PACKING, O-RING	00903226 0024	<	<	1	2	3	4
7	VALVE, SAFETY	00527121 0028	<	<	0	1	1	2
7	SEPARATOR, SUMP	00543117 0044	<	<	1	2	3	4
7	SPRING	01661634	<	<	1	2	3	4
7	SEAL, U-CUP	01663816 0010	<	<	1	2	3	4
7	SPRING	01228269 0025	<	<	0	1	2	3
8	ELEMENT, OIL FILTER	01228337 0017	<	<	2	4	6	10
8	KIT, THERMOSTATIC VALVE, REPAIR	00701701 0345	<	<	0	1	2	3
8	GASKET, 2" COUPLING	00910068 0007	<	<	2	4	6	8
8	TUBING, CLEAR (FT.)	00910086	<	<	0	2	4	6
8	KIT, CONTROL VALVE REPAIR	00701701 0287	<	<	1	2	3	4
8	GAUGE, PRESSURE	00527640 0005	<	<	1	2	3	4
8	GAUGE, TEMPERATURE	00519100 0021	<	<	0	1	2	3
8	GAUGE, SERVICE SEPARATOR	00526189 0013	<	<	0	1	2	3
9	GAUGE, TEMPERATURE	00519100 0020	<	<	0	1	2	3
11	COOLER ASSY., OIL & AFTER (AIR COOLED)	00543305 0110	<	00543305 0111	0	1	1	2
12	EXCHANGER, HEAT, OIL & AFTER (WATER COOLED)	00543305 0086	<	<	0	0	1	1
12	KIT, GASKET (WATER COOLED COOLERS)	00701701 0149	<	<	0	1	2	3
19	CONTROL, TEMPERATURE	00600715 0401	<	<	0	1	1	2
19	PROBE	00600715 0354	<	<	0	2	4	6
21	VALVE, SOLENOID 2-WAY (NEMA 1)	00600734 0251	<	<	0	1	2	3
21	VALVE, SOLENOID 3-WAY (NEMA 1)	00600734 0252	<	<	0	1	2	3
21	SWITCH, PRESSURE (NEMA 1)	00600713 0347	<	<	0	1	2	3
22	VALVE, SOLENOID 2-WAY (NEMA 4)	00600734 0244	<	<	0	1	2	3
22	VALVE, SOLENOID 3-WAY (NEMA 4)	00600734 0224	<	<	0	1	2	3
22	SWITCH, PRESSURE (NEMA 4)	00600713 0481	<	<	0	1	2	3

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REVISIONS:									
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RECOMMENDED SPARES

PAGE NO.	DESCRIPTION	TA-190	TA-220	TA-230	SUGGESTED STOCK QUANTITIES FOR			
		PART NO.	PART NO.	PART NO.	1 UNIT	2 TO 5 UNITS	6 TO 9 UNITS	10 & OVER UNITS
3	KIT, SHAFT SEAL MAINTENANCE	H0701701 0327	<	<	1	2	3	4
3	GASKET, VALVE TO STATOR	01663742 0169	<	<	2	4	6	8
3	BEARING FLANGED	00903778 0041	<	<	0	1	2	3
3	SPRING	01228269 0025	<	<	1	2	3	4
3	SPRING, PISTON	01228269 0054	<	<	1	2	3	4
3	SEAL, U-CUP	01663816 0008	<	<	1	2	3	4
3	PACKING, O-RING	00910660 0114	<	<	1	2	3	4
3	ELEMENT, AIR FILTER	03606284 0031	<	<	1	3	6	9
3	INDICATOR, AIR CLEANER	00519520 0004	<	<	0	1	2	3
7	GLASS, SIGHT	00914483 0032	<	<	3	2	2	3
7	PACKING, O-RING	00903226 0024	<	<	1	2	3	4
7	VALVE, SAFETY	00527121 0028	<	<	0	1	1	2
7	SEPARATOR, SUMP	00543117 0044	<	<	1	2	3	4
7	SPRING	01661634	<	<	1	2	3	4
7	SEAL, U-CUP	01663816 0010	<	<	1	2	3	4
7	SPRING	01228269 0025	<	<	0	1	2	3
8	ELEMENT, OIL FILTER	01228337 0017	<	<	2	4	6	10
8	KIT, THERMOSTATIC VALVE, REPAIR	00701701 0345	<	<	0	1	2	3
8	GASKET, 2" COUPLING	00910068 0007	<	<	2	4	6	8
8	TUBING, CLEAR (FT.)	00910086	<	<	0	2	4	6
8	KIT, CONTROL VALVE REPAIR	00701701 0287	<	<	1	2	3	4
8	GAUGE, PRESSURE	00527640 0005	<	<	1	2	3	4
8	GAUGE, TEMPERATURE	00519100 0021	<	<	0	1	2	3
8	GAUGE, SERVICE SEPARATOR	00526189 0013	<	<	0	1	2	3
9	GAUGE, TEMPERATURE	00519100 0020	<	<	0	1	2	3
11	COOLER ASSY., OIL & AFTER (AIR COOLED)	00543305 0110	00543305 0111	00543305 0112	0	1	1	2
12	EXCHANGER, HEAT, OIL & AFTER (WATER COOLED)	00543305 0086	<	<	0	0	1	1
12	KIT, GASKET (WATER COOLED COOLERS)	00701701 0149	<	<	0	1	2	3
19	CONTROL, TEMPERATURE	00600715 0401	<	<	0	1	1	2
19	PROBE	00600715 0354	<	<	0	2	4	6
21	VALVE, SOLENOID 2-WAY (NEMA 1)	00600734 0251	<	<	0	1	2	3
21	VALVE, SOLENOID 3-WAY (NEMA 1)	00600734 0252	<	<	0	1	2	3
21	SWITCH, PRESSURE (NEMA 1)	00600713 0347	<	<	0	1	2	3
22	VALVE, SOLENOID 2-WAY (NEMA 4)	00600734 0244	<	<	0	1	2	3
22	VALVE, SOLENOID 3-WAY (NEMA 4)	00600734 0224	<	<	0	1	2	3
22	SWITCH, PRESSURE (NEMA 4)	00600713 0481	<	<	0	1	2	3

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REVISIONS:									
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RECOMMENDED SPARES

PAGE NO.	DESCRIPTION	TA-240	TA-265	TA-290	SUGGESTED STOCK QUANTITIES FOR			
		PART NO.	PART NO.	PART NO.	1 UNIT	2 TO 5 UNITS	6 TO 9 UNITS	10 & OVER UNITS
3	KIT, SHAFT SEAL MAINTENANCE	H0701701 0327	<	<	1	2	3	4
3	GASKET, VALVE TO STATOR	01663742 0169	<	<	2	4	6	8
3	BEARING, FLANGED	00903778 0041	<	<	0	1	2	3
3	SPRING	01228269 0025	<	<	1	2	3	4
3	SPRING, PISTON	01228269 0054	<	<	1	2	3	4
3	SEAL, U-CUP	01663816 0008	<	<	1	2	3	4
3	PACKING, O-RING	00910660 0114	<	<	1	2	3	4
3	ELEMENT, AIR FILTER	03606283 0031	<	<	1	3	6	9
3	INDICATOR, AIR CLEANER	00519520 0004	<	<	0	1	2	3
7	GLASS, SIGHT	00914483 0032	<	<	1	2	2	3
7	PACKING, O-RING	00903226 0024	<	<	1	2	3	4
7	VALVE, SAFETY	00527121 0028	<	<	0	1	1	2
7	SEPARATOR, SUMP	00543117 0044	<	<	1	2	3	4
7	SPRING	01661634	<	<	1	2	3	4
7	SEAL, U-CUP	01663816 0010	<	<	1	2	3	4
7	SPRING	01228269 0025	<	<	0	1	2	3
8	ELEMENT, OIL FILTER	01228337 0017	<	<	2	4	6	10
8	KIT, THERMOSTATIC VALVE, REPAIR	00701701 0345	<	<	0	1	2	3
8	GASKET, 2" COUPLING	00910068 0007	<	<	2	4	6	8
8	TUBING, CLEAR (FT.)	00910086	<	<	0	2	4	6
8	KIT, CONTROL VALVE REPAIR	00701701 0287	<	<	1	2	3	4
8	GAUGE, PRESSURE	00527640 0005	<	<	1	2	3	4
8	GAUGE, TEMPERATURE	00519100 0021	<	<	0	1	2	3
8	GAUGE, SERVICE SEPARATOR	00526189 0013	<	<	0	1	2	3
9	GAUGE, TEMPERATURE	00519100 0020	<	<	0	1	2	3
11	COOLER ASSY., OIL & AFTER (AIR COOLED)	00543305 0111	00543305 0112	<	0	1	1	2
12	EXCHANGER, HEAT, OIL & AFTER (WATER COOLED)	00543305 0086	<	<	0	0	1	1
12	KIT, GASKET (WATER COOLED COOLERS)	00701701 0149	<	<	0	1	2	3
19	CONTROL, TEMPERATURE	00600715 0401	<	<	0	1	1	2
19	PROBE	00600715 0354	<	<	0	2	4	6
21	VALVE, SOLENOID 2-WAY (NEMA 1)	00600734 0251	<	<	0	1	2	3
21	VALVE, SOLENOID 3-WAY (NEMA 1)	00600734 0252	<	<	0	1	2	3
21	SWITCH, PRESSURE (NEMA 1)	00600713 0347	<	<	0	1	2	3
22	VALVE, SOLENOID 2-WAY (NEMA 4)	00600734 0244	<	<	0	1	2	3
22	VALVE, SOLENOID 3-WAY (NEMA 4)	00600734 0224	<	<	0	1	2	3
22	SWITCH, PRESSURE (NEMA 4)	00600713 0481	<	<	0	1	2	3

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REVISIONS:									
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< IDENTICAL TO PRECEDING PART NUMBER

OPTIONAL EQUIPMENT KITS

KIT DESCRIPTION	TA-150	TA-175	TA-180	TA-190	TA-220	TA-230	TA-240	TA-265	TA-290
	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
THERMOSTATIC WATER VALVE	00543276 0014	<	<	<	<	<	<	<	<
SOLENOID WATER VALVE	00600734 0211	<	<	<	<	<	<	<	<
TOUCH-UP PAINT IN AEROSOL CAN	00543174 0007	<	<	<	<	<	<	<	<
MOISTURE SEPARATOR W/ HEATED TRAP	00543275 0007	<	<	<	<	<	<	<	<
200 V. CONTROL CENTER DOOR INTERLOCK	H0701700 0834	<	<	<	<	<	<	<	<
230 V. CONTROL CENTER DOOR INTERLOCK	H0701700 0835	<	<	<	<	<	<	<	<
460 V. CONTROL CENTER DOOR INTERLOCK	H0701700 0836	<	<	<	<	<	<	<	<
575 V. CONTROL CENTER DOOR INTERLOCK	H0701700 0837	<	<	<	<	<	<	<	<
COOLERS W/90-10 CU.NI. TUBES & SHEETS	00707087 2066	<	<	<	<	<	<	<	<
"UL" UNDERWRITERS LABORATORY GROUND FAULT PROTECTOR	00701700 0752	<	<	<	<	<	<	<	<
REFER TO SECTION 5 OF YOUR OPERATOR'S MANUAL FOR A MORE DETAILED DESCRIPTION OF THE ABOVE LISTED OPTIONAL EQUIPMENT. CONTACT YOUR AUTHORIZED JOY DISTRIBUTOR OR REGIONAL WAREHOUSE FOR AVAILABILITY AND PRICES.									
REVISIONS:									

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