

PARTS LIST

MCT-120

JOY[®]

TWISTAIR[®] III

ROTARY SCREW COMPRESSOR

TA MODELS 990 thru 1750

WARRANTY

INDUSTRIAL SCREW COMPRESSOR

The JOY Manufacturing Company warrants that this compressor conforms to applicable drawings and specifications approved in writing by JOY and that the rotary screw compressor, stator and rotor assembly will be free from defects in material and workmanship for a period of 24 months from the date of initial start-up or 30 months from the date of shipment from the factory, whichever period first expires, and in the case of all other components of JOY's manufacture will be free from defects in material or workmanship for a period of 12 months from the date of initial start-up or 18 months from the date of shipment from the factory, whichever period first expires. In cases where a unit is in Distributor stock and start-up is beyond 6 months from shipment from the factory, it will be necessary for the Distributor to obtain approval of satisfactory condition from an authorized JOY Representative to initiate warranty from the date of start-up. Any work or parts necessary to restore the unit to satisfactory condition prior to start-up will be for the Distributor's account. If within such periods, JOY receives from the Buyer written notice of any alleged defect in or non-conformance of the compressor, and if in JOY's judgment the compressor does not conform or is found to be defective in material or workmanship, JOY will at its option either: (a) furnish a Service Representative to correct defective workmanship, or (b) upon return of the component F.O.B. JOY's designated plant in order to receive warranty consideration, defective material must be shipped within 30 days of receipt of authorized return instructions, repair, or replace the component or issue credit for the replacement part ordered by Buyer, or (c) refund the full purchase price for the compressor without interest. Deterioration or wear occasioned by chemical and/or abrasive action or excessive heat shall not constitute defects.

Joy's sole responsibility and buyer's exclusive remedy hereunder is limited to such repair, replacement, or repayment of the purchase price. Component parts or assemblies not of Joy's manufacture are warranted only to the extent that they are warranted by the original manufacturer. Joy shall have no responsibility for any cost or expense incurred by Buyer from Joy's inability to repair under said warranty when such inability is beyond the control of Joy or caused solely by Buyer.

THERE ARE NO OTHER WARRANTIES, EXPRESS, STATUTORY OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND OF FITNESS FOR PURPOSE; NOR ANY AFFIRMATION OF FACT OR REPRESENTATION WHICH EXTENDS BEYOND THE DESCRIPTION ON THE FACE HEREOF.

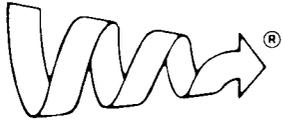
This warranty shall be void and Joy shall have no responsibility to repair, replace, or repay the purchase price of defective or damaged parts or components resulting directly or indirectly from the use of repair or replacement parts not of Joy's manufacture or approved by Joy or from Buyer's failure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

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. When you purchase a re-manufactured air end there is a warranty which is twelve (12) months from date of shipment in accordance with the terms set forth in the above warranty.

ILLUSTRATED PARTS MANUAL



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

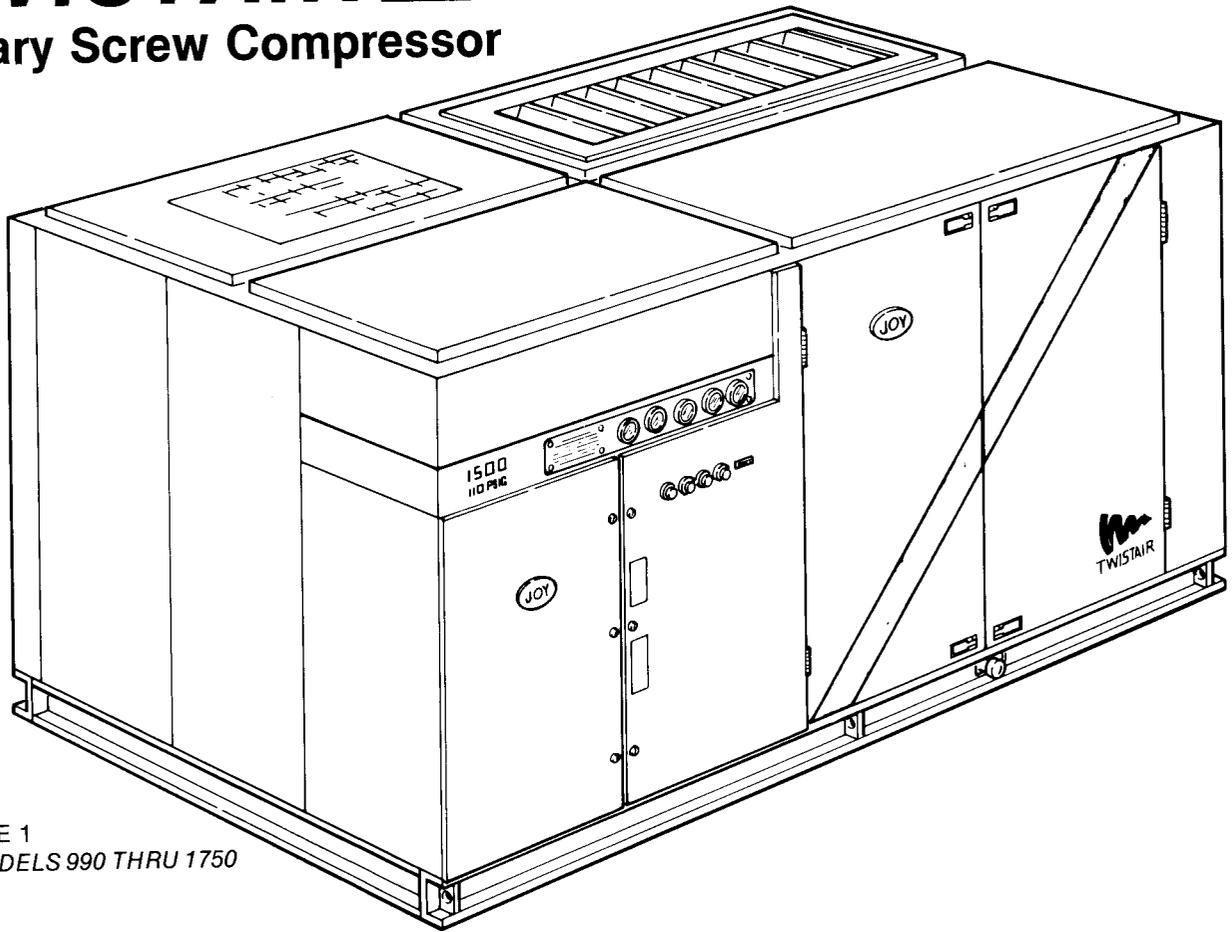
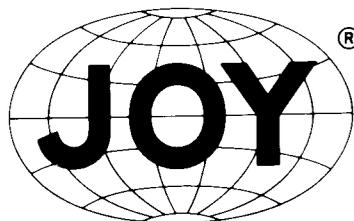


FIGURE 1
TA MODELS 990 THRU 1750

84-13

FORM NO. MCT-120
Printed in U.S.A.
FPSI-2/85



JOY MANUFACTURING COMPANY
INDUSTRIAL COMPRESSOR GROUP
MICHIGAN CITY, INDIANA 46360

 **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 Joy Manufacturing Company 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.

Joy Manufacturing Company maintains Regional Parts Warehouses in the following areas to provide prompt services to distributors for maintaining customer machines.

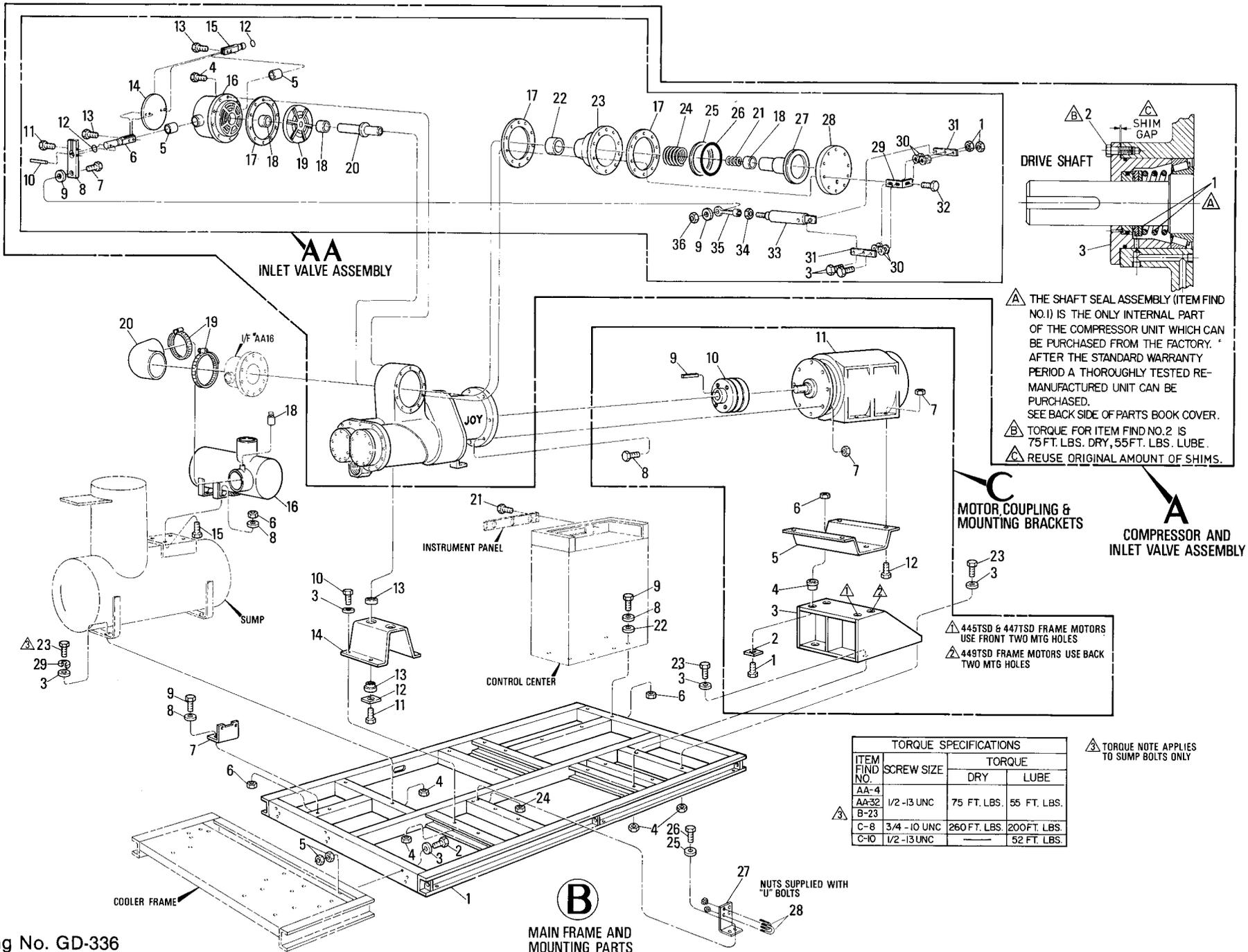
Joy Manufacturing Company:

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

Southeastern Region
6217 Baum Drive
Knoxville, TN 37919

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Drawing No. GD-336
Compressor, Motor, Inlet Valve and Mounting Parts



JOY MANUFACTURING COMPANY

REFERENCE DRAWING NO. GD-336

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COMPRESSOR, MOTOR, INLET VALVE AND MOUNTING PARTS

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250		
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
A	COMPRESSOR & INLET VALVE ASSEMBLY		00543404 0095	<	00543404 0135	00543404 0096		
.1	KIT, SHAFT SEAL ASSEMBLY	1	H0701701 0384	<	<	<		
.2	SCREW, CAP HEX HD. - 1/2 X 1-1/2	6	00900012 0034	<	<	<		
.3	HOUSING, SEAL	1	01663723 0055	<	<	<		
.AA	INLET VALVE ASSEMBLY							
*	KIT, INLET VALVE MAINTENANCE	1	H0701701 0387	<	<	<		
..1	NUT, HEX - 3/8	2	00900160 0004	<	<	<		
..3	SCREW, CAP HEX HD. - 3/8 X 1-1/2	2	00900012 0033	<	<	<		
..4	SCREW, CAP HEX HD. - 1/2 X 1-1/2	10	00900012 0034	<	<	<		
..5	BEARING, BRONZE	2	00903775 0001	<	<	<		
..6	PIN, VALVE PLATE	1	01228403 0045	<	<	<		
..7	SCREW, CAP HEX HD. - 7/16 X 1-3/4	1	00900012 0638	<	<	<		
..8	LEVER, BUTTERFLY VALVE	1	01228224 0026	<	<	<		
..9	WASHER, FLAT - 7/16	2	00901558 0009	<	<	<		
..10	PIN, SPRING - 1/8 X 1-1/2	1	00904685 0104	<	<	<		
..11	SCREW, CAP HEX HD. - 1/4 X 1-1/2	1	00900012 0031	<	<	<		
..12	PACKING, O-RING	2	00910660 0117	<	<	<		
..13	SCREW, CAP NYLOK - 5/16 X 1-1/4	4	00900015 0022	<	<	<		
..14	PLATE, VALVE	1	01663597 0487	<	<	<		
..15	PIN, VALVE PLATE	1	01228403 0046	<	<	<		
..16	SEAT, VALVE	1	01663806 0012	<	<	<		
..17	GASKET, INLET VALVE HEAD & SEAT	3	01663742 0181	<	<	<		
..18	BEARING, BRONZE	3	00903775 0182	<	<	<		
..19	PLATE, VALVE	1	01663597 0481	<	<	<		
..20	SHAFT, INLET VALVE	1	01662302 0019	<	<	<		
..21	SPRING, PISTON	1	01661112	<	<	<		
..22	BUSHING, BRONZE	1	00903775 0056	<	<	<		
..23	CYLINDER, INLET VALVE	1	01662307 0020	<	<	<		
..24	SPRING	1	01228269 0055	<	<	<		
..25	RING, GLYD	1	00910347 0002	<	<	<		
..26	PACKING, O-RING	1	00910660 0441	<	<	<		
..27	PISTON, INLET VALVE	1	01662305 0023	<	<	<		
..28	HEAD, INLET VALVE CYLINDER	1	01662306 0023	<	<	<		
..29	BRACKET, CYLINDER	1	01663798 0120	<	<	<		
..30	WASHER, PLAIN - 3/8	8	00900317 0004	<	<	<		
..31	RETAINER, CYLINDER	2	01663720 0080	<	<	<		
..32	SCREW, CAP HEX HD. - 1/2 X 2-1/2	10	00900012 0074	<	<	<		
..33	CYLINDER, AIR	1	00543440 0001	<	<	<		
..34	NUT, HEX HD. JAM - 7/16	1	00900212 0015	<	<	<		

REVISIONS:	M1175L	M0460M							
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MC-2484

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



JOY MANUFACTURING COMPANY

REFERENCE DRAWING NO. GD-336

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COMPRESSOR, MOTOR, INLET VALVE AND MOUNTING PARTS

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250		
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
..35	ROD, END-SPHERICAL	1	00907483 0007	<	<	<		
..36	NUT, ELASTIC STOP - 7/16	1	00900490 0053	<	<	<		
B	FRAME, MAIN & MOUNTING PARTS		00707077 2098	<	<	<		
.1	FRAME, MAIN	1	03663772 0047	<	<	<		
.2	SCREW, CAP HEX HD. - 1/2 X 2	9	00900012 0054	<	<	<		
.3	WASHER, PLAIN - 1/2	23	00900317 0005	<	<	<		
.4	NUT, ELASTIC STOP - 1/2-13	14	00900490 0054	<	<	<		
.5	NUT, HEX - 1/2	18	00900160 0005	<	<	<		
.6	NUT, ELASTIC STOP - 3/8-16	12	00900490 0052	<	<	<		
.7	BRACKET, THERMO VALVE SUPPORT	1	01663798 0119	<	<	<		
.8	WASHER, PLAIN - 3/8	12	00900317 0004	<	<	<		
.9	SCREW, CAP HEX HD. - 3/8 X 1-1/2	8	00900012 0033	<	<	<		
.10	SCREW, CAP HEX HD. - 1/2 X 1-1/2	4	00900012 0034	<	<	<		
.11	SCREW, CAP NYLOK - 1 X 5	2	00900015 0178	<	<	<		
.12	SPACER	2	01663702 0159	<	<	<		
.13	MOUNT, VIBRATION	2	00910336 0025	<	<	<		
.14	SUPPORT, ASSEMBLY-COMPRESSOR	1	03663693 0432	<	<	<		
.15	SCREW, CAP HEX HD. - 3/8 X 1	4	00900012 0013	<	<	<		
.16	FILTER, AIR	1	00519002 0057	<	<	<		
*	ELEMENT, FILTER	1	00527693 0031	<	<	<		
.18	INDICATOR, AIR CLEANER	1	00519520 0004	<	<	<		
.19	CLAMP, HOSE - 9-7/8 TO 10-3/4	2	00902320 0344	<	<	<		
.20	HOSE, AIR DUCT	1	01607341 0003	<	<	<		
.21	SCREW, SELF TAP - #10-16 X 1/2	10	00901551 0028	<	<	<		
.22	WASHER, SEALING - 3/8	6	00906361 0005	<	<	<		
.23	SCREW, CAP HEX HD. - 1/2 X 1-3/4	10	00900012 0044	<	<	<		
.24	NUT, ELASTIC STOP - 5/16-18	2	00900490 0051	<	<	<		
.25	WASHER, PLAIN - 5/16	2	00900317 0003	<	<	<		
.26	SCREW, CAP HEX HD. - 5/16 X 1-1/4	2	00900012 0022	<	<	<		
.27	SUPPORT, SOLENOID VALVE	1	01661806 0262	<	<	<		
.28	BOLT, "U" - 1/4	2	00909003 0009	<	<	<		
.29	WASHER, LOCK - 1/2	4	00900302 0004	<	<	<		
C	MOTOR, COUPLING AND MOUNTING BRACKET							
.1	SCREW, CAP HEX HD. - 3/4 X 4	2	00900012 0136	<	<	<		
.2	WASHER, SPECIAL	2	01663702 0229	<	<	<		
.3	SUPPORT, ASSEMBLY-MOTOR	1	03663693 0433	<	<	<		

REVISIONS:

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JOY MANUFACTURING COMPANY

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

REFERENCE DRAWING NO. GD-336

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COMPRESSOR, MOTOR, INLET VALVE ASSEMBLY

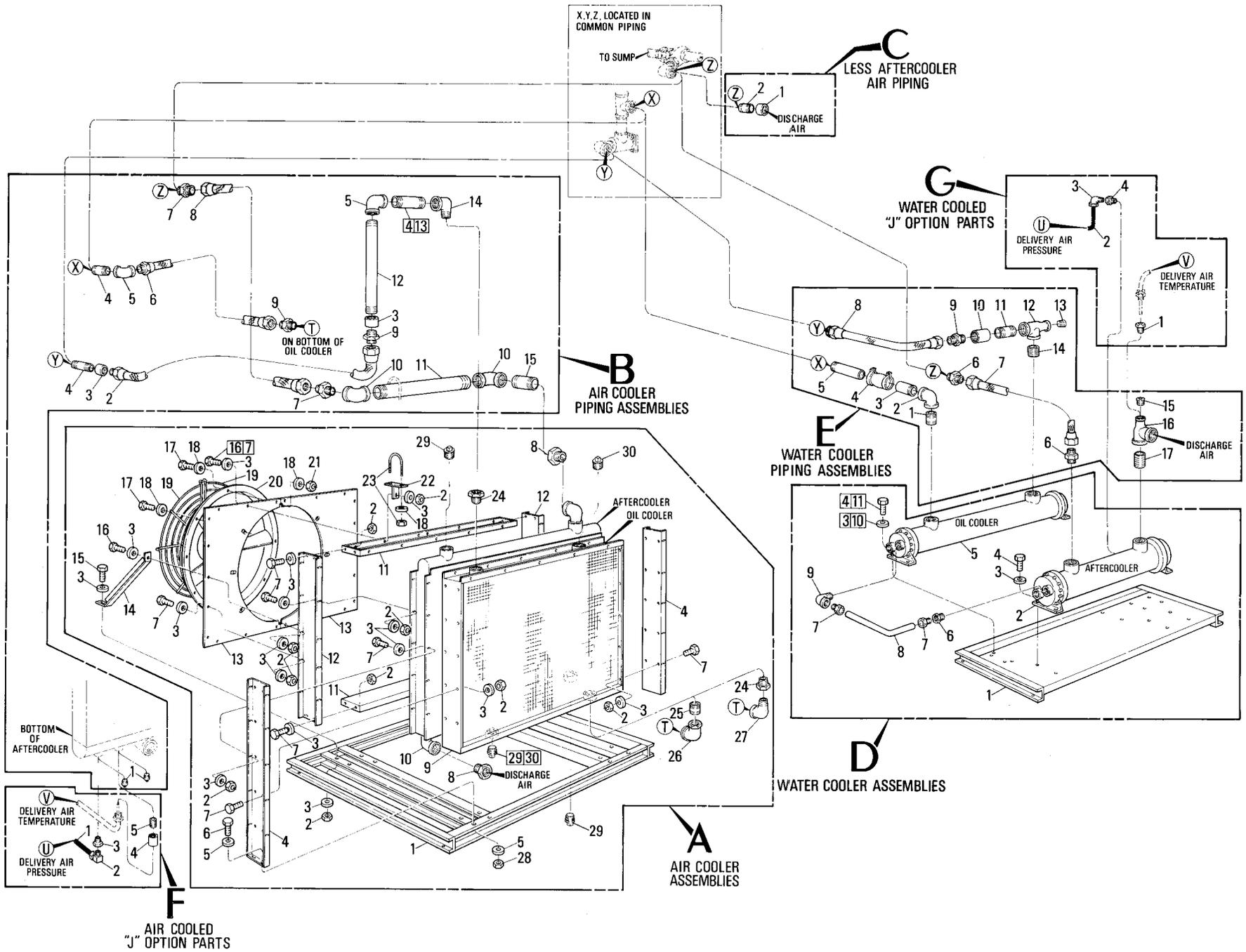
ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250		
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.4	MOUNTING, CENTER BONDED	2	00910335 0020	<	<	<		
.5	SUPPORT, MOTOR (2300 V.) - ODP	1	01661806 0250	<	<	<		
.5	SUPPORT, MOTOR (460,575 V.) - ODP	1	01661806 0249	<	<	<		
.5	SUPPORT, MOTOR (4160 V.) - ODP	1	01661806 0251	<	<	<		
.5	SUPPORT, MOTOR (2300 V.) - TEFC	1	01661806 0251	01661806 0250	01661806 0251	<		
.5	SUPPORT, MOTOR (460,575 V.) - TEFC	1	01661806 0250	01661806 0249	01661806 0250	<		
.5	SUPPORT, MOTOR (4160 V.) - TEFC	1		01661806 0251		<		
.6	NUT, ELASTIC STOP - 3/4-10	2	00900490 0018	<	<	<		
.7	NUT, NEX - 3/4	12	00900160 0007	<	<	<		
.8	SCREW, CAP HEX HD. - 3/4 X 3	8	00900012 0096	<	<	<		
.9	KEY, SQ. ENDS - 3/4 X 3/4 X 4	1	00900947 0490	<	<	<		
.10	COUPLING, FLEXIBLE	1	00543215 0084	<	<	<		
.11	MOTOR (2300 V.) - ODP	1	00526398 1600	00526398 1596	00526398 1600	<		
.11	MOTOR (460 V.) - ODP	1	00526398 1598	00526398 1594	00526398 1598	<		
.11	MOTOR (575 V.) - ODP	1	00526398 1599	00526398 1595	00526398 1599	<		
.11	MOTOR (4160 V.) - ODP	1	00526398 1601	00526398 1597	00526398 1601	<		
.11	MOTOR (2300 V.) - TEFC	1	00526398 1635	00526398 1631	00526398 1635	<		
.11	MOTOR (460 V.) - TEFC	1	00526398 1633	00526398 1629	00526398 1633	<		
.11	MOTOR (575 V.) - TEFC	1	00526398 1634	00526398 1630	00526398 1634	<		
.11	MOTOR (4160 V.) - TEFC	1		00526398 1632		<		
.12	SCREW, CAP HEX HD. - 3/4 X 2-1/2	4	00900012 0076	<	<	<		

REVISIONS:	M1172L																		
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MC-2484

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



9

Drawing No. GD-337
Cooler and Piping Assemblies



JOY MANUFACTURING COMPANY

LEGEND: A = AIR COOLED WITH AFTERCOOLER
B = AIR COOLED WITHOUT AFTERCOOLER

REFERENCE DRAWING NO. GD-337

PAGE 1 of 3

COOLER AND PIPING ASSEMBLIES

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250		
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
A	COOLER ASSEMBLY (460 V.) (A)		00543237 2180	00543237 2198	00543237 2180	<		
A	COOLER ASSEMBLY (575 V.) (A)		00543237 2181	00543237 2199	00543237 2181	<		
A	COOLER ASSEMBLY (460 V.) (B)		00543237 2182	00543237 2190	00543237 2182	<		
A	COOLER ASSEMBLY (575 V.) (B)		00543237 2183	00543237 2191	00543237 2183	<		
.1	FRAME, ASSEMBLY-AIR COOLERS	1	03663772 0049	<	<	<		
.2	NUT, ELASTIC STOP - 5/16-18 (A)	92	00900490 0051	<	<	<		
.2	NUT, ELASTIC STOP - 5/16-18 (B)	72	00900490 0051	<	<	<		
.3	WASHER, PLAIN - 5/16 (A)	176	00900317 0003	<	<	<		
.3	WASHER, PLAIN - 5/16 (B)	136	00900317 0003	<	<	<		
.4	SUPPORT, AIR COOLED OIL COOLER	2	01661806 0260	<	<	<		
.5	WASHER, PLAIN - 1/2	8	00900317 0005	<	<	<		
.6	SCREW, CAP HEX HD. - 1/2 X 1-1/2	4	00900012 0034	<	<	<		
.7	SCREW, CAP HEX HD. - 5/16 X 3/4 (A)	87	00900012 0002	<	<	<		
.7	SCREW, CAP HEX HD. - 5/16 X 3/4 (B)	68	00900012 0002	<	<	<		
.8	BUSHING, REDUCING - 4 X 3 (A)	2	00901160 0036	<	<	<		
.9	EXCHANGER, HEAT (OIL COOLER)	1	00543305 0101	<	<	<		
.10	EXCHANGER, HEAT (AFTERCOOLER) (A)	1	00543305 0102	<	<	<		
.11	PANEL, PLENUM - TOP & BOTTOM	2	01663769 0595	<	<	<		
.12	PANEL, END	2	01663769 0594	<	<	<		
.13	PANEL, ASSEMBLY-FAN/COOLER ADAPTER	2	03663770 0072	<	<	<		
.14	ANGLE, SUPPORT	2	01663694 0072	<	<	<		
.15	SCREW, CAP HEX HD. - 5/16 X 1-1/2	2	00900012 0032	<	<	<		
.16	SCREW, CAP HEX HD. - 5/16 X 1 (A)	3	00900012 0012	<	<	<		
.16	SCREW, CAP HEX HD. - 5/16 X 1 (B)	2	00900012 0012	<	<	<		
.17	SCREW, CAP HEX HD. - 3/8 X 3/4	8	00900012 0003	<	<	<		
.18	WASHER, PLAIN - 3/8 (A)	12	00900317 0004	<	<	<		
.18	WASHER, PLAIN - 3/8 (B)	10	00900317 0004	<	<	<		
.19	GUARD, COOLER FAN	2	03661655 0055	<	<	<		
.20	FAN, ASSEMBLY (460 V.) (A)	1	00543224 0108	00543224 0110	00543224 0108	<		
.20	FAN, ASSEMBLY (575 V.) (A)	1	00543224 0109	00543224 0111	00543224 0109	<		
.20	FAN, ASSEMBLY (460 V.) (B)	1	00543224 0110	00543224 0118	00543224 0110	<		
.20	FAN, ASSEMBLY (575 V.) (B)	1	00543224 0111	00543224 0119	00543224 0111	<		
.21	NUT, ELASTIC STOP - 3/8-16	2	00900490 0052	<	<	<		
.22	SUPPORT, ASSEMBLY-PIPE (A)	1	03663693 0437	<	<	<		
.23	BOLT, "U" - 3/8 (A)	1	00909003 0028	<	<	<		
.25	NIPPLE, X-STR. CLOSE - 2 X 2	1	00901176 0063	<	<	<		
.26	ELBOW, 90° FEMALE UNION - 2 IN.	1	00901079 0009	<	<	<		
.28	NUT, ELASTIC STOP - 1/2-13	4	00900490 0054	<	<	<		
.29	PLUG, SQ. HD. PIPE - 2 IN. (A)	3	00901204 0009	<	<	<		
.29	PLUG, SQ. HD. PIPE - 2 IN. (B)	1	00901204 0009	<	<	<		

REVISIONS:	M1173L								
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MC-2484

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



JOY MANUFACTURING COMPANY

LEGEND: A = AIR COOLED WITH AFTERCOOLER
 B = AIR COOLED WITHOUT AFTERCOOLER
 C = WATER COOLED WITH AFTERCOOLER
 D = WATER COOLED WITHOUT AFTERCOOLER
 COOLER AND PIPING ASSEMBLIES

REFERENCE DRAWING NO. GD-337

PAGE 2 of 3

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250		
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
B	PIPING, AIR AND OIL (A)		00707079 2126	<	<	<		
B	PIPING, OIL (B)		00707079 2127	<	<	<		
.1	PLUG, HEX SOC. PIPE - 1/2 (A)	2	00901921 0004	<	<	<		
.2	HOSE ASSEMBLY	1	00519120 0183	<	<	<		
.3	COUPLING, PIPE - 2"	2	00901286 0009	<	<	<		
.4	NIPPLE, PIPE - 2 X 8-1/2	2	00902466 0252	<	<	<		
.5	ELBOW, 90° PIPE - 2"	2	00901023 0009	<	<	<		
.6	HOSE ASSEMBLY	1	00519120 0222	<	<	<		
.7	ADAPTER, MALE - 3" T X 3" NPT (A)	2	00907234 4848	<	<	<		
.8	HOSE ASSEMBLY (A)	1	00519120 0281	<	<	<		
.9	ADAPTER, MALE - 2" T X 2" NPT	2	00907234 3232	<	<	<		
.10	ELBOW, 90° PIPE - 3" (A)	2	00901023 0014	<	<	<		
.11	NIPPLE, PIPE - 3 X 31 (A)	1	00902466 1415	<	<	<		
.12	NIPPLE, PIPE - 2 X 20	1	00902466 0459	<	<	<		
.13	NIPPLE, PIPE - 2 X 4	1	00902466 0135	<	<	<		
.14	ELBOW, 90° STREET - 2"	1	00901046 0009	<	<	<		
.15	NIPPLE, X-STR. CLOSE - 3 X 2-5/8 (A)	1	00901176 1639	<	<	<		
C	PIPING, AIR DISCHARGE (B) (D)		00707079 2125	<	<	<		
.1	COUPLING, PIPE - 3"	1	00901286 0011	<	<	<		
.2	NIPPLE, PIPE - 3 X 15	1	00902466 1351	<	<	<		
D	COOLER AND PARTS - OIL/AFTER (C)		00707087 2071	<	<	<		
D	COOLER AND PARTS - OIL (D)		00707087 2074	<	<	<		
.1	FRAME, ASSEMBLY-WATER COOLERS	1	03663772 0051	<	<	<		
.2	EXCHANGER, HEAT (AFTERCOOLER) (C)	1	00543305 0106	<	<	<		
*	KIT, GASKET (COOLER W/ C.I. ENDS)	1	00701701 0152	<	<	<		
*	KIT, GASKET (COOLER W/ STL. ENDS)	1	00701701 0386	<	<	<		
.3	WASHER, PLAIN - 1/2 (C)	4	00900317 0005	<	<	<		
.4	SCREW, CAP HEX HD. - 1/2 X 1 (C)	4	00900012 0014	<	<	<		
.5	EXCHANGER, HEAT (OIL COOLER)	1	00543305 0105	<	<	<		
*	KIT, GASKET (COOLER W/ C.I. ENDS)	1	00701701 0151	<	<	<		
*	KIT, GASKET (COOLER W/ STL. ENDS)	1	00701701 0385	<	<	<		
.6	BUSHING, REDUCING - 2 X 1-1/2 (C)	1	00901160 0026	<	<	<		
.7	CONNECTOR, MALE - 1-1/2 T X 1-1/2 NPT (C)	2	00912034 2424	<	<	<		
.8	TUBE, OIL TO AFTERCOOLER (C)	1	01663163 0022	<	<	<		

REVISIONS:	M1174L								
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MC-2484

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



JOY MANUFACTURING COMPANY

LEGEND: C = WATER COOLED WITH AFTERCOOLER
D = WATER COOLED WITHOUT AFTERCOOLER

REFERENCE DRAWING NO. GD-337

PAGE 3 of 3

COOLER AND PIPING ASSEMBLIES

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250	PART NO.	PART NO.
			PART NO.	PART NO.	PART NO.	PART NO.		
.9	ELBOW, 90° STREET - 1-1/2 (C)	1	00901046 0008	<	<	<		
.10	WASHER, PLAIN - 3/8	4	00900317 0004	<	<	<		
.11	SCREW, CAP HEX HD. - 3/8 X 3/4	4	00900012 0003	<	<	<		
E	PIPING, AIR AND OIL (C)		00707079 2119	<	<	<		
E	PIPING, OIL (D)		00707079 2122	<	<	<		
.1	NIPPLE, PIPE - 2 X 4-3/4	1	00902466 0162	<	<	<		
.2	ELBOW, 90° PIPE - 2"	1	00901023 0009	<	<	<		
.3	NIPPLE, THD. ONE END - 2 X 4	1	00910096 0135	<	<	<		
.4	COUPLING, STR. FLEX PIPE - 2"	1	00910038 0007	<	<	<		
*	GASKET	2	00910068 0007	<	<	<		
.5	NIPPLE, THD. ONE END - 2 X 1 1/2	1	00910096 0297	<	<	<		
.6	ADAPTER, MALE - 3" T X 3" NPT (C)	2	00907234 4848	<	<	<		
.7	HOSE ASSEMBLY (C)	1	00519120 0279	<	<	<		
.8	HOSE ASSEMBLY	1	00519120 0141	<	<	<		
.9	ADAPTER, MALE - 2" T X 2" NPT	1	00907234 3232	<	<	<		
.10	COUPLING, PIPE - 2"	1	00901286 0009	<	<	<		
.11	NIPPLE, PIPE - 2 X 8	1	00902466 0243	<	<	<		
.12	TEE, REDUCING - 2 X 1 X 2	1	00905329 0038	<	<	<		
.13	PLUG, HEX SOC. PIPE - 1"	1	00901921 0006	<	<	<		
.14	NIPPLE, X-STR. CLOSE - 2 X 2	1	00901176 0063	<	<	<		
.15	PLUG, HEX SOC. PIPE - 3/4 (C)	1	00901921 0005	<	<	<		
.16	TEE, REDUCING - 3 X 3/4 X 3	1	00905329 0105	<	<	<		
.17	NIPPLE, X-STR. CLOSE - 3 X 2-5/8 (C)	1	00901176 1639	<	<	<		
F	AIR COOLED "J" OPTION PARTS							
.1	TUBING (FT.)	15.5	00910082	<	<	<		
.2	CONNECTOR, 90° MALE - 1/4 T X 1/4 PT	1	00915557 0444	<	<	<		
.3	BUSHING, REDUCING - 1/2 X 1/4	1	00901167 0005	<	<	<		
.4	COUPLING, PIPE - 1/2	1	00901286 0004	<	<	<		
.5	NIPPLE, X-STR. CLOSE - 1/2 X 1-1/8	1	00901176 0022	<	<	<		
G	WATER COOLED "J" OPTION PARTS							
.1	BUSHING, REDUCING - 3/4 X 1/2	1	00901167 0009	<	<	<		
.2	TUBING (FT.)	15.5	00910082	<	<	<		
.3	CONNECTOR, 90° MALE - 1/4 T X 1/4 PT	1	00915557 0444	<	<	<		
.4	BUSHING, REDUCING - 3/8 X 1/4	1	00901167 0003	<	<	<		

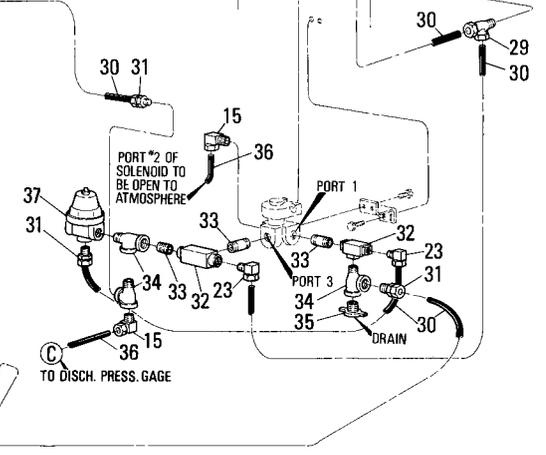
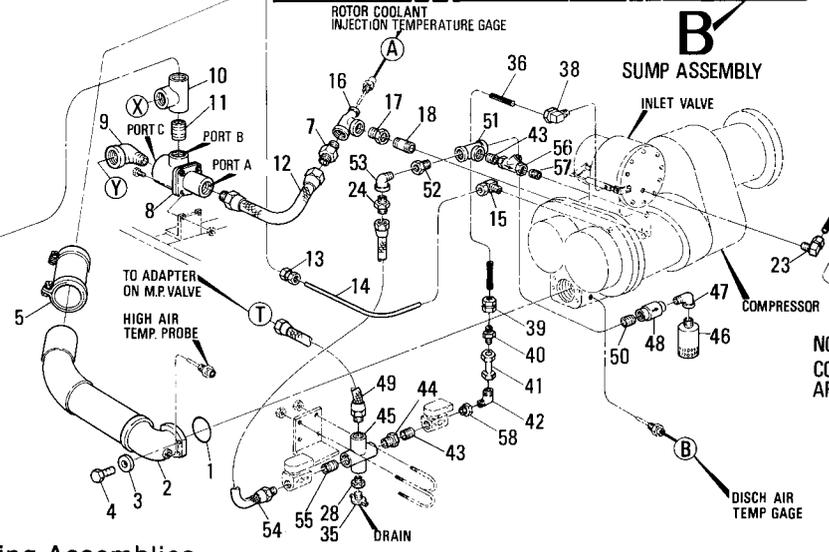
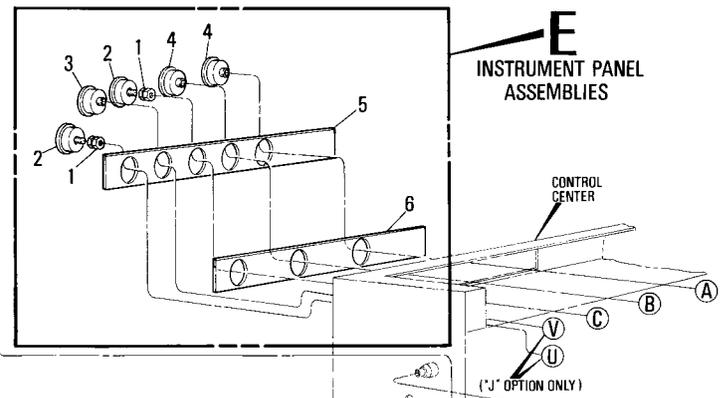
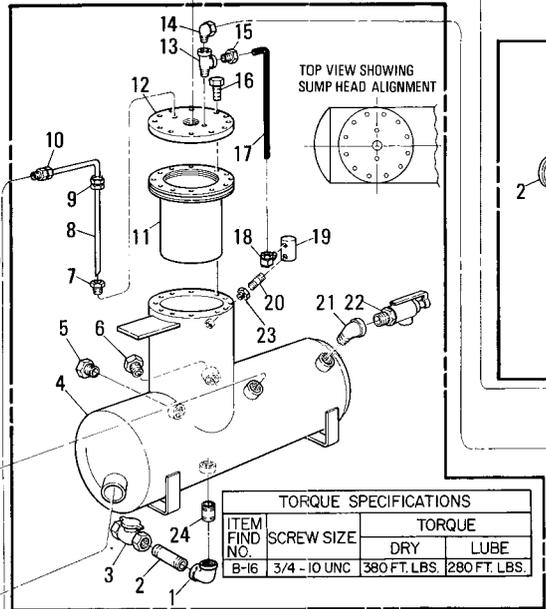
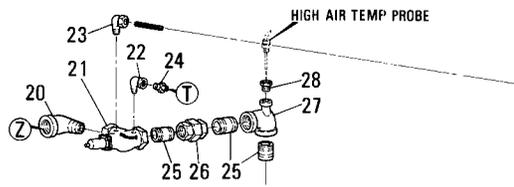
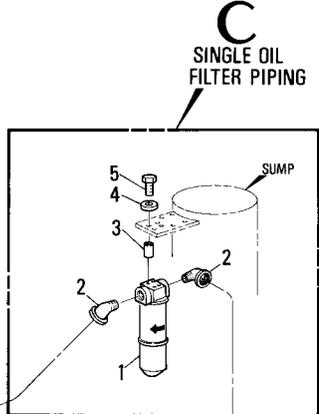
REVISIONS:

M1159L

MC-2484

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



NOTE:
CONNECTIONS U, V, X, Y & Z
APPEAR ON GD 337

Drawing No. GD-338
Sump Instrument Panel and Piping Assemblies



JOY MANUFACTURING COMPANY

REFERENCE DRAWING NO. GD-338

PAGE 1 of 3

SUMP, INSTRUMENT PANEL AND PIPING ASSEMBLIES

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250		
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
A	COMMON PIPING PARTS							
.1	PACKING, O-RING	1	00910659 0253	<	<	<		
.2	ELBOW, ASSEMBLY-AIR DISCHARGE	1	03228205 0019	<	<	<		
.3	WASHER, LOCK - 5/8	4	00900302 0064	<	<	<		
.4	SCREW, CAP C'BORE - 5/8 X 2-1/4	4	00901858 0584	<	<	<		
.5	COUPLING, STR. FLEX PIPE - 6"	1	00910038 0012	<	<	<		
*	GASKET	2	00910068 0009	<	<	<		
.6	HOSE ASSEMBLY	1	00519120 0282	<	<	<		
.7	ADAPTER, MALE - 2" T X 2" NPT	2	00907234 3232	<	<	<		
.8	VALVE, THERMOSTATIC	1	00519229 0012	<	<	<		
*	KIG, MAINTENANCE	1	00701601 0752	<	<	<		
.9	ELBOW, 90° STREET - 2"	2	00901046 0009	<	<	<		
.10	TEE, PIPE - 2"	1	00901090 0009	<	<	<		
.11	NIPPLE, PIPE - 2 X 4	1	00902466 0135	<	<	<		
.12	HOSE ASSEMBLY	1	00519120 0216	<	<	<		
.13	CONNECTOR, FEMALE - 1/4T X 1/4 PT	1	00915550 0444	<	<	<		
.14	TUBING, CLEAR (FT.)	4	00910086	<	<	<		
.15	CONNECTOR, 90° MALE - 1/4T X 1/4 PT	3	00915557 0444	<	<	<		
.16	TEE, REDUCING - 2 X 1/2 X 2	1	00905329 0055	<	<	<		
.17	BUSHING, REDUCING - 2 X 1-1/2	1	00901160 0026	<	<	<		
.18	NIPPLE, PIPE - 1-1/2 X 2-1/2	1	00902466 0080	<	<	<		
.19	HOSE ASSEMBLY	1	00519120 0154	<	<	<		
.20	ELBOW, 90° STREET - 3"	1	00901046 0041	<	<	<		
.21	VALVE, MINIMUM PRESSURE	1	00519955 0030	<	<	<		
*	KIT, MAINTENANCE	1	00701701 0383	<	<	<		
.22	ELBOW, 90° RED. STREET - 3/4 X 1/2	1	00901053 0002	<	<	<		
.23	CONNECTOR, 90° MALE - 3/8T X 1/4 PT	4	00915557 0064	<	<	<		
.24	ADAPTER, MALE - 3/4T X 3/4 NPT	1	00907234 1212	<	<	<		
.25	NIPPLE, PIPE - 3 X 3-1/2	3	00902466 1294	<	<	<		
.26	UNION, FEMALE PIPE - 3"	1	00901128 0010	<	<	<		
.27	TEE, REDUCING - 3 X 3/4 X 3	1	00905329 0105	<	<	<		
.28	BUSHING, REDUCING - 3/4 X 1/4	2	00901160 0007	<	<	<		
.29	TEE, MALE RUN - 3/8T X 1/4 PT	1	00915564 0064	<	<	<		
.30	TUBING (FT.)	20.5	00910084	<	<	<		
.31	CONNECTOR, MALE - 3/8T X 1/4 PT	3	00915543 0064	<	<	<		
.32	VALVE, SHUTTLE	2	00543299 0007	<	<	<		
.33	NIPPLE, X-STR. CLOSE - 1/4 X 7/8	3	00901176 0002	<	<	<		
.34	TEE, STRAIGHT SERVICE - 1/4	3	00906350 0001	<	<	<		
.35	COCK, DRAIN - 1/4	2	00903873 0021	<	<	<		
.36	TUBING (FT.)	8.5	00910082	<	<	<		

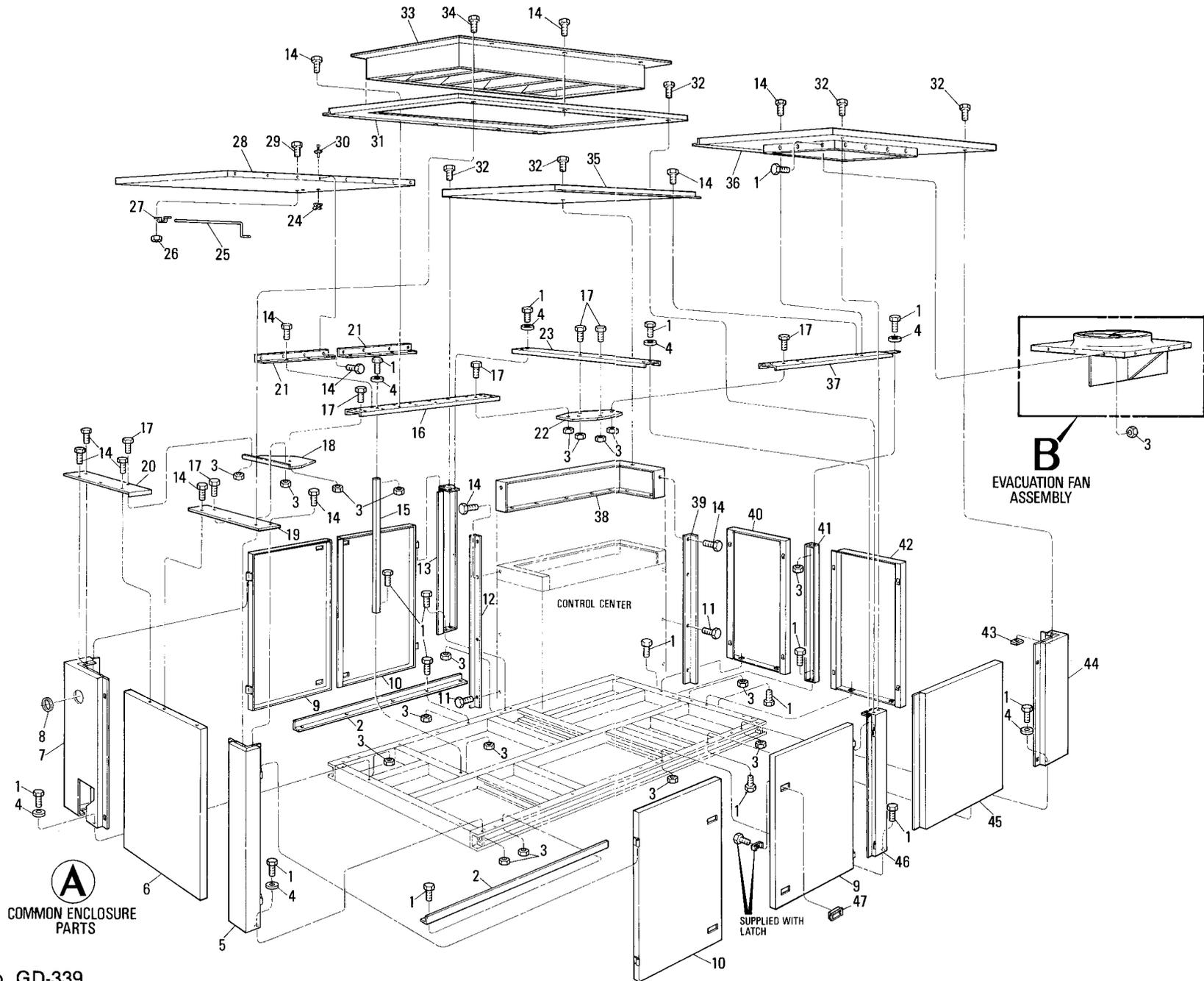
REVISIONS:	M1166L	M0460M							
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MC-2484

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER

11



Drawing No. GD-339
Enclosure and Mounting Parts



JOY MANUFACTURING COMPANY

REFERENCE DRAWING NO. GD-339

PAGE 1 of 2

ENCLOSURE AND MOUNTING PARTS

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250		
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.1	COMMON ENCLOSURE PARTS SCREW, CAP HEX HD 5/16 X 3/4	52	00900012 0002	<	<	<		
.2	STOP, DOUBLE DOOR	2	01228486 0012	<	<	<		
.3	NUT, ELASTIC STOP 5/16-18	53	00900490 0051	<	<	<		
.4	WASHER, PLAIN - 5/16	16	00900317 0003	<	<	<		
.5	PANEL, ASSY - COMPR CORNER	1	03663770 0075	<	<	<		
.6	PANEL, ASSY - COMPR END	1	00543322 0108	<	<	<		
.7	PANEL, ASSY - SUMP CORNER	1	03663770 0074	<	<	<		
.8	GROMMET	1	01228475 0002	<	<	<		
.9	PANEL, ASSY - RH DOOR	2	00543322 0107	<	<	<		
.10	PANEL, ASSY - LH DOOR	2	00543322 0106	<	<	<		
.11	SCREW, SELF-DRILL 1/4-20 X 3/4	6	00914302 0100	<	<	<		
.12	ANGLE, SUMP SIDE ATTACHING	1	01663710 0160	<	<	<		
.13	SUPPORT, ASSY - SUMP SIDE ROOF	1	03663693 0435	<	<	<		
.14	SCREW, PAN HD MACH 1/4-20 X 3/4	36	00905850 0071	<	<	<		
.15	SUPPORT, ASSY - ROOF FRAME	1	03663693 0434	<	<	<		
.16	CHANNEL, ASSY - ROOF FRAME	1	03228462 0054	<	<	<		
.17	SCREW, CAP HEX HD 5/16 X 1 1/4	10	00900012 0022	<	<	<		
.18	PLATE, ROOF JOINING	1	01663597 0486	<	<	<		
.19	PANEL, COMPR CORNER ROOF	1	01663769 0607	<	<	<		
.20	PANEL, SUMP CORNER ROOF	1	01663769 0606	<	<	<		
.21	HINGE, TOP ACCESS DOOR	2	01224182 0034	<	<	<		
.22	PLATE, ROOF FRAME JOINING	1	01663597 0484	<	<	<		
.23	CHANNEL, CENTER ROOF FRAME	1	01663709 0537	<	<	<		
.24	CLIP, STOWAGE - 1/4 OD	1	00910356 0004	<	<	<		
.25	ROD, DOOR SUPPORT	1	01228371 0052	<	<	<		
.26	NUT, ELASTIC STOP #8	2	00900490 0068	<	<	<		
.27	CLIP, ROD	1	00902907 0004	<	<	<		
.28	PANEL, ASSY - TOP ACCESS	1	00543322 0113	<	<	<		
.29	SCREW, PAN HD MACH #8 X 1/2	2	00905850 0041	<	<	<		
.30	RIVET, POP - 1/8	1	00910270 0001	<	<	<		
.31	ROOF, ASSY - INTAKE PLENUM	1	03228289 0098	<	<	<		
.32	SCREW, PAN HD MACH 5/16 X 2	5	00905850 0139	<	<	<		
.33	PLENUM, ASSY - WITH LINER	1	00543274 0009	<	<	<		
.34	SCREW, PAN HD MACH 1/4 X 2	1	00905850 0138	<	<	<		
.35	PANEL, ASSY - ROOF WITH LINER	1	00543322 0112	<	<	<		
.36	PANEL, ASSY - ROOF PLENUM DISCH	1	03663770 0076	<	<	<		
.37	CHANNEL, ASSY - ROOF FRAME	1	03228462 0055	<	<	<		
.38	PANEL, ASSY - CONTROL CENTER TOP	1	03660848 0164	<	<	<		
.39	ANGLE, MOTOR SIDE ATTACHING	1	01663710 0159	<	<	<		

REVISIONS:	M1158L								
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MC-2484
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* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER

15



JOY MANUFACTURING COMPANY

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

REFERENCE DRAWING NO. GD-339

PAGE 2 of 2

ENCLOSURE AND MOUNTING PARTS

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250	PART NO.	PART NO.
			PART NO.	PART NO.	PART NO.	PART NO.		
.40	PANEL, ASSEMBLY - CONTROL CENTER END	1	00543322 0109	<	<	<		
.41	SUPPORT, MOTOR END ROOF FRAME	1	01661806 0256	<	<	<		
.42	PANEL, ASSEMBLY - MOTOR END	1	00543322 0110	<	<	<		
.43	NUT, SPEED GRIP - 5/16	1	00910350 0004	<	<	<		
.44	PANEL, MOTOR CORNER	1	01663769 0612	<	<	<		
.45	PANEL, ASSEMBLY - MOTOR SIDE	1	00543322 0111	<	<	<		
.46	SUPPORT, ASSEMBLY - MOTOR SIDE ROOF	1	03663693 0436	<	<	<		
.47	LATCH, FLUSH DOOR	8	00543304 0017	<	<	<		
B	FAN ASSEMBLY (460 V.)	1	00543224 0094	<	<	<		
B	FAN ASSEMBLY (575 V.)	1	00543224 0095	<	<	<		
	MISCELLANEOUS PARTS AND DECALS							
*	DECAL, MACHINE CLASS	1	01661700 0090	01661700 0093	01661700 0094	01661700 0085		
*	DECAL, TWISTAIR (B)	1	01661700 0079	<	<	<		
*	DECAL, TWISTAIR (E)	2	01661700 0079	<	<	<		
*	DECAL, DANGER-BREATHING (W/ AFTERCOOLER)	2	01228378 0057	<	<	<		
*	DECAL, DANGER-BREATHING (LESS AFTERCOOLER)	1	01228378 0057	<	<	<		
*	DECAL, DANGER-PRESSURE	1	01228378 0058	<	<	<		
*	DECAL, CAUTION-LIFTING	1	01228378 0059	<	<	<		
*	DECAL, STRIPING (E) (FT.)	14	00818108	<	<	<		
*	DECAL, WARNING-ELECTRIC	1	01228378 0061	<	<	<		
*	DECAL, WARNING-MANUAL	1	01228378 0062	<	<	<		
*	DECAL, CAUTION-ROTATION (B) AIR COOLED	1	01228378 0063	<	<	<		
*	DECAL, CAUTION-ROTATION (E) (W/C)	1	01228378 0063	<	<	<		
*	DECAL, CAUTION-ROTATION (E) AIR COOLED	2	01228378 0063	<	<	<		
*	DECAL, CAUTION-SPARE PARTS	1	01228378 0065	<	<	<		
*	DECAL, NOTICE-LUBRICANT	1	01228378 0066	<	<	<		
*	PLATE, IDENTIFICATION	1	01663832 0046	<	<	<		
*	RIVET, POP	2	00910270 0001	<	<	<		
*	PLATE, JOY WORLD-REG. TM (B)	1	01663844 0011	<	<	<		
*	PLATE, JOY WORLD-REG. TM (E)	2	01663844 0011	<	<	<		
*	DECAL, NOTICE-PLUGS (W/C)	1	01228378 0060	<	<	<		
*	DECAL, WATER IN (W/C)	1	01228175 0036	<	<	<		
*	DECAL, WATER DISCHARGE (W/C)	1	01228175 0037	<	<	<		
*	KIT, MAINTENANCE - OIL TESTING	1	00701701 0376	<	<	<		
*	SEPARATOR, MOISTURE AND TRAP (AFTERCOOLED MACHINES ONLY)	1	00543275 0006	<	<	<		

REVISIONS:

M1158L

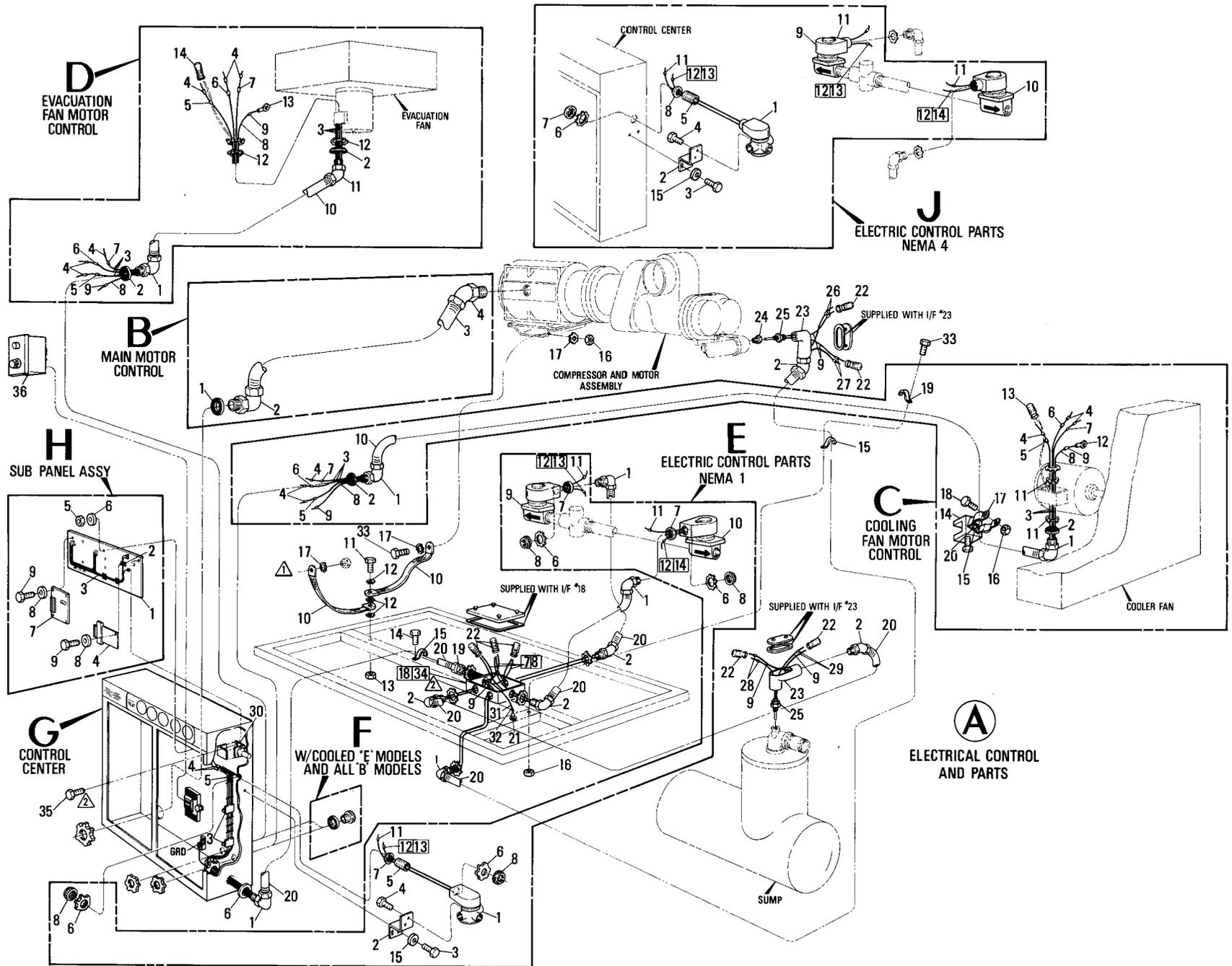
* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER

MC-2484
D

16

NOTES



Drawing No. GD-340
Electrical Control and Parts



ELECTRICAL CONTROL AND PARTS

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250	PART NO.	PART NO.
			PART NO.	PART NO.	PART NO.	PART NO.		
A	CONTROL, AND PARTS ELECTRICAL		00707101 2069	<	<	<		
.1	CONNECTOR, 90° ELBOW - 1/2	4	00600704 0263	<	<	<		
.2	CONNECTOR, 45° ELBOW - 1/2	5	00600704 0255	<	<	<		
.3	MOUNT, ANCHOR-ADHESIVE BACK	4	00600704 0351	<	<	<		
.4	SPLICE, INSULATED BUTT	2	00600704 0353	<	<	<		
.5	TIE, TY-RAP	15	00600704 0343	<	<	<		
.6	GASKET, ASSY - 1/2	1	00600704 0269	<	<	<		
.7	WIRE, #16 RED (FT)	10	00600750 0015	<	<	<		
.8	WIRE, #16 WHITE (FT)	5	00600750 0018	<	<	<		
.9	WIRE, #16 BLUE (FT)	38	00600750 0019	<	<	<		
.10	STRAP, GROUND	2	01760404 0044	<	<	<		
.11	SCREW, CAP HEX HD 3/8 X 1 1/4	1	00900012 0023	<	<	<		
.12	WASHER, LOCK EXT/INT TOOTH - 3/8	3	00905631 0020	<	<	<		
.13	NUT, ELASTIC STOP - 3/8	1	00900490 0052	<	<	<		
.14	SCREW, CAP HEX HD 1/4 X 1/2	1	00900012 0387	<	<	<		
.15	CLAMP, CONDUIT - 1/2	2	00600704 0559	<	<	<		
.16	NUT, ELASTIC STOP - 1/4	2	00900490 0050	<	<	<		
.17	WASHER, LOCK EXT/INT TOOTH - 1/4	3	00900317 0002	<	<	<		
.18	BOX, CONDUIT	1	00600704 0567	<	<	<		
.19	CONNECTOR, STRAIGHT - 1/2	1	00600704 0247	<	<	<		
.20	CONDUIT, FLEXIBLE - 1/2 (FT)	15	00600702 0014	<	<	<		
.21	TERMINAL, #10 RING TONGUE	1	00600740 0005	<	<	<		
.22	CONNECTOR, ELEC SPRING	7	00600704 0447	<	<	<		
.23	ELBOW, CONDUIT - 1/2	2	00600704 0557	<	<	<		
.24	BUSHING, REDUCING 1/2 X 1/4	2	00901167 0005	<	<	<		
.25	PROBE	2	00600715 0354	<	<	<		
.26	MARKER, WIRE NO. 21 (FT)	.2	00600714 1289	<	<	<		
.27	MARKER, WIRE NO. 23 (FT)	.2	00600714 1291	<	<	<		
.28	MARKER, WIRE NO. 20 (FT)	.2	00600714 1288	<	<	<		
.29	MARKER, WIRE NO. 22 (FT)	.2	00600714 1290	<	<	<		
.30	SWITCH, PRESSURE	1	00600713 0347	<	<	<		
.31	WIRE, #16 GREEN (FT)	5	00600750 0020	<	<	<		
.32	MARKER, WIRE GND	1	00600714 1119	<	<	<		
.33	SCREW, CAP HEX HD 1/4 X 1	2	00900012 0011	<	<	<		
.34	SCREW, RD HD MACH 1/4 X 1/2	2	00900335 0493	<	<	<		
.35	SCREW, THD FORMING 1/4 X 1/2	2	00913792 0038	<	<	<		
.36	RELAY, TIMER	1	00600726 0231	<	<	<		
B	CONTROL, MAIN MOTOR		00707116 0150	<	<	<		
.1	GASKET, ASSY - 1/2	1	00600704 0274	<	<	<		

REVISIONS:	M1178L								
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MC-2484
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* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



JOY MANUFACTURING COMPANY

ELECTRICAL CONTROL AND PARTS

REFERENCE DRAWING NO. GD-340

PAGE 2 of 4

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250		
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.2	CONNECTOR, 90° ELBOW - 2 1/2	1	00600704 0489	<	<	<		
.3	CONDUIT, FLEXIBLE - 2 1/2 (FT)	3.3	00600702 0019	<	<	<		
.4	CONNECTOR, 45° ELBOW - 2 1/2	1	00600704 0260	<	<	<		
C	CONTROL, COOLER FAN MOTOR		00707117 0008	<	<	<		
.1	CONNECTOR, 90° ELBOW - 1/2	2	00600704 0263	<	<	<		
.2	GASKET, ASSY - 1/2	2	00600704 0269	<	<	<		
.3	WIRE, #14 BLACK (FT)	38	00600750 0023	<	<	<		
.4	MARKER, WIRE NO. 3 (FT)	.6	00600714 1248	<	<	<		
.5	MARKER, WIRE NO. T1 (FT)	.2	00600714 1251	<	<	<		
.6	MARKER, WIRE NO. T2 (FT)	.2	00600714 1252	<	<	<		
.7	MARKER, WIRE NO. T3 (FT)	.2	00600714 1253	<	<	<		
.8	WIRE, #16 GREEN (FT)	11	00600750 0020	<	<	<		
.9	MARKER, WIRE GND	1	00600714 1119	<	<	<		
.10	CONDUIT, FLEXIBLE - 1/2 (FT)	10	00600702 0014	<	<	<		
.11	WASHER, REDUCING 3/4 X 1/2	2	00600692 0003	<	<	<		
.12	TERMINAL, 1/4 RING TONGUE	1	00600740 0006	<	<	<		
.13	CONNECTOR, ELEC SPRING	6	00600704 0447	<	<	<		
.14	CLAMP, BEAM	1	00600704 0407	<	<	<		
.15	SCREW, PAN HD MACHINE 1/4 X 3/8	1	00905850 0028	<	<	<		
.16	NUT, ELASTIC STOP - 1/4	1	00900490 0050	<	<	<		
.17	HANGER, CONDUIT	1	00908402 0001	<	<	<		
.18	SCREW, CAP HEX HD 1/4 x 1	1	00900012 0011	<	<	<		
.19	CLAMP, CONDUIT - 1/2	1	00600704 0559	<	<	<		
.20	WASHER, LOCK EXT./INT. TOOTH - 1/4	1	00905631 0013	<	<	<		
D	CONTROL, EVACUATION FAN MOTOR		00707117 0009	<	<	<		
.1	CONNECTOR, 90° ELBOW - 1/2	1	00600704 0263	<	<	<		
.2	GASKET, ASSY - 1/2	2	00600704 0269	<	<	<		
.3	WIRE, #14 BLACK (FT)	32	00600750 0023	<	<	<		
.4	MARKER, WIRE NO. 2 (FT)	.6	00600714 1247	<	<	<		
.5	MARKER, WIRE NO. T1 (FT)	.2	00600714 1251	<	<	<		
.6	MARKER, WIRE NO. T2 (FT)	.2	00600714 1252	<	<	<		
.7	MARKER, WIRE NO. T3 (FT)	.2	00600714 1253	<	<	<		
.8	WIRE, #16 GREEN (FT)	9	00600750 0020	<	<	<		
.9	MARKER, WIRE GND	1	00600714 1119	<	<	<		
.10	CONDUIT, FLEXIBLE - 1/2 (FT)	10	00600702 0014	<	<	<		
.11	CONNECTOR, 45° ELBOW - 1/2	1	00600704 0255	<	<	<		
.12	WASHER, REDUCING 3/4 X 1/2	2	00600692 0003	<	<	<		
.13	TERMINAL, #10 RING TONGUE	1	00600740 0005	<	<	<		

REVISIONS:	M1178L									
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MC-2484

* NOT ILLUSTRATED < IDENTICAL TO PRECEDING PART NUMBER

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JOY MANUFACTURING COMPANY

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

REFERENCE DRAWING NO. GD-340

PAGE 3 of 4

ELECTRICAL CONTROL AND PARTS

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250		
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.14	CONNECTOR, ELEC. SPRING	6	00600704 0447	<	<	<		
E	STANDARD NEMA 12 PARTS							
.1	VALVE, SOLENOID 3-WAY	1	00600704 0245	<	<	<		
.2	BRACKET, SOLENOID VALVE	1	01663798 0122	<	<	<		
.3	SCREW, THD. FORMING - 1/4 X 1/2	2	00913792 0038	<	<	<		
.4	SCREW, PAN HD. SELF-TAP - #8 X 1/4	2	00905827 0021	<	<	<		
.5	NIPPLE, CONDUIT - 1/2 CLOSE	1	00600704 0385	<	<	<		
.6	NUT, ELEC. LOCK - 1/2	4	00901402 0001	<	<	<		
.7	GASKET, ASSEMBLY - 1/2	3	00600704 0269	<	<	<		
.8	BUSHING, INSULATED CONDUIT - 1/2	4	00600704 0286	<	<	<		
.9	VALVE, SOLENOID 2-WAY	1	00600734 0163	<	<	<		
.10	VALVE, SOLENOID 2-WAY	1	00600734 0238	<	<	<		
.11	MARKER, WIRE NO. 2 (FT.)	.6	00600714 1247	<	<	<		
.12	MARKER, WIRE NO. 9 (FT.)	.6	00600714 1294	<	<	<		
.13	MARKER, WIRE B (FT.)	.4	00600714 1398	<	<	<		
.14	MARKER, WIRE C (FT.)	.2	00600714 1399	<	<	<		
.15	WASHER, PLAIN - 1/4	2	00900317 0002	<	<	<		
F	PLUG, HOLE - BASE MODELS (A/C)	1	00600704 0517	<	<	<		
F	PLUG, HOLE - BASE MODELS (W/C)	2	00600704 0517	<	<	<		
F	PLUG, HOLE - ENCLOSED MODELS (W/C)	1	00600704 0517	<	<	<		
G	FULL VOLTAGE MAGNETIC STARTER							
G	CONTROL CENTER - NEMA 12 (460,575 V.)	1	00527070 1328	<	<	<		
G	CONTROL CENTER - NEMA 4 (460,575 V.)	1	00527070 1333	<	<	<		
	WYE - DELTA STARTER							
G	CONTROL CENTER - NEMA 12 (460,575 V.)	1	00527070 1331	<	<	<		
G	CONTROL CENTER - NEMA 4 (460,575 V.)	1	00527070 1336	<	<	<		
G	AUTO-TRANSFORMER STARTER							
G	CONTROL CENTER - NEMA 12 (460,575 V.)	1	00527070 1332	<	<	<		
G	REMOTE STARTER							
G	CONTROL CENTER - NEMA 12 (460,575,2300,4160 V.)	1	00527070 1330	<	<	<		
G	CONTROL CENTER - NEMA 4 (460,575,2300,4160 V.)	1	00527070 1335	<	<	<		
	[REFER TO PAGES 23 AND 24 FOR INTERNAL PARTS BREAKDOWN.]							

REVISIONS:

M1178L

MC-2484
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< IDENTICAL TO PRECEDING PART NUMBER



ELECTRICAL CONTROL AND PARTS

ITEM FIND	DESCRIPTION	QTY.	TA-990	TA-1025	TA-1150	TA-1250		
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
H	ELECTRICAL SUB-PANEL ASSEMBLY							
.1	PANEL, ELECTRICAL SUB	1	00543433 0004	<	<	<		
.2	MOUNT, ANCHOR-ADHESIVE BACK	3	01663769 0615	<	<	<		
.3	HARNESS, WIRING	1	00600704 0351	<	<	<		
			00519036 0174	<	<	<		
.4	RELAY, TIME DELAY	1	00600726 0239	<	<	<		
.5	NUT, HEX - 3/8	1	00900160 0004	<	<	<		
.6	WASHER, LOCK - 3/8	1	00900302 0003	<	<	<		
.7	SWITCH, ELEC. TEMPERATURE	1	00600715 0401	<	<	<		
.8	WASHER, LOCK - #8 INT. TOOTH	8	00900610 0003	<	<	<		
.9	SCREW, RD. HD. SELF TAP - #6 X 5/8	8	00901548 0031	<	<	<		
J	STANDARD NEMA 4 PARTS							
.1	VALVE, SOLENOID 3-WAY	1	00600734 0224	<	<	<		
.2	BRACKET, SOLENOID VALVE	1	01663798 0123	<	<	<		
.3	SCREW, RD. HD. MACH. - #12 X 1-1/4	2	00900333 0208	<	<	<		
.4	SCREW, PAN HD. SELF-TAP - #8 X 1/4	2	00905827 0021	<	<	<		
.5	NIPPLE, CONDUIT - 1/2 CLOSE	1	00600704 0385	<	<	<		
.6	NUT, ELEC. LOCK -1/2	1	00901402 0001	<	<	<		
.7	GASKET, ASSEMBLY - 1/2	1	00600704 0269	<	<	<		
.8	BUSHING, INSULATED CONDUIT - 1/2	1	00600704 0286	<	<	<		
.9	VALVE, SOLENOID 2-WAY	1	00600734 0217	<	<	<		
.10	VALVE, SOLENOID 2-WAY	1	00600734 0244	<	<	<		
.11	MARKER, WIRE NO. 2 (FT.)	.6	00600714 1247	<	<	<		
.12	MARKER, WIRE NO. 9 (FT.)	.6	00600714 1294	<	<	<		
.13	MARKER, WIRE B (FT.)	.4	00600714 1398	<	<	<		
.14	MARKER, WIRE C (FT.)	.2	00600714 1399	<	<	<		
.15	WASHER, PLAIN - 3/16	2	00900317 0001	<	<	<		

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REVISIONS:	M1178L									
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MC-2484

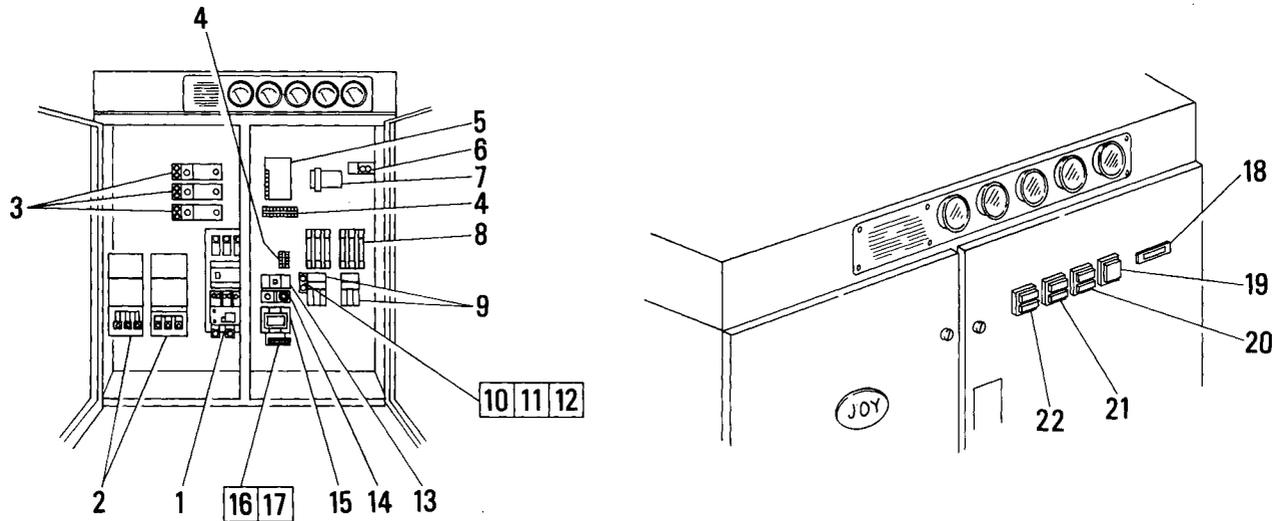
* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



LEGEND: FVM = FULL VOLTAGE MAGNETIC STARTER; Y-Δ = WYE DELTA STARTER; REM = REMOTE STARTER

DESCRIPTION	TA-990	TA-1025	TA-1150	TA-1250					
	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
NEMA 12									
CONT. CTR. (FVM)(460,575 V)	00527070 1328	<	<	<					
CONT. CTR. (Y-Δ)(460,575 V)	00527070 1331	<	<	<					
CONT. CTR. (REM)(ALL VOLTS)	00527070 1330	<	<	<					
NEMA 4									
CONT. CTR. (FVM)(460,575 V)	00527070 1333	<	<	<					
CONT. CTR. (Y-Δ)(460,575 V)	00527070 1336	<	<	<					
CONT. CTR. (REM)(ALL VOLTS)	00527070 1335	<	<	<					



84-25

ITEM FIND	DESCRIPTION	QTY.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
	CONTROL CENTER		NEMA 12 00527070 1328	00527070 1331	00527070 1330			
			NEMA 4 00527070 1333	00527070 1336	00527070 1335			
.1	STARTER, MAIN MOTOR	1	00526399 0531	<				
.2	CONTACTOR, WYE-DELTA	2		00526399 0534				
.3	LUG, POWER	3		00600714 1400				
.4	BOARD, TERMINAL	8	00690714 1307	<	<			
.5	RELAY, TIME DELAY	1	00600726 0239	<	<			
.6	SWITCH, AIR PRESSURE	1	00600713 0347	<	<			
.7	SWITCH, ELEC. TEMPERATURE	1	00600715 0401	<	<			
.8	HOLDER, FUSE	1	00600714 1306	<	<			

REVISIONS:	M1162L								
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* NOT ILLUSTRATED < IDENTICAL TO PRECEDING PART NUMBER

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ITEM FIND	DESCRIPTION	QTY.						
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.9	STARTER, COOLER AND FAN MOTOR	2	00526399 0442	<	<			
.10	HOLDER, FUSE	1	00600714 1393	<	<			
.11	HOLDER, FUSE WITH MTG. PLATE	1	00600714 1394	<	<			
.12	FUSE	1	00600751 0086	<	<			
.13	RELAY, CONTROL	1	00600744 0245	<	<			
.14	RELAY, TIMER	1	00600726 0231	<	<			
*	SOCKET, RELAY	1	00600714 1188	<	<			
.15	TRANSFORMER	1	00600716 0103	<	<			
.16	HOLDER, FUSE	1	00600714 1329	<	<			
.17	FUSE	1	00600751 0022	<	<			
.18	HOURLMETER	1	00600735 0103	<	<			
.19	LIGHT, HIGH AIR TEMPERATURE	1	00600701 0642	<	<			
*	LIGHT, INDICATING	1	00600701 0515	<	<			
*	LENS, RED (HIGH AIR TEMPERATURE)	1	00600701 0627	<	<			
.20	BUTTON, LOAD-UNLOAD	1	00600701 0670	<	<			
*	BLOCK, CONTACT	1	00600701 0533	<	<			
*	SWITCH, SELECTOR	1	00600701 0512	<	<			
*	BUTTON, LOAD	1	00600701 0669	<	<			
*	BUTTON, UNLOAD	1	00600701 0523	<	<			
.21	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	<	<			
.22	BUTTON, GREEN-RUN	1	00600701 0640	<	<			
*	BLOCK, CONTACT	1	00600701 0533	<	<			
*	PUSHBUTTON, START	1	00600701 0518	<	<			
*	LIGHT, INDICATING	1	00600701 0514	<	<			
*	LENS, GREEN (RUN)	1	00600701 0628	<	<			

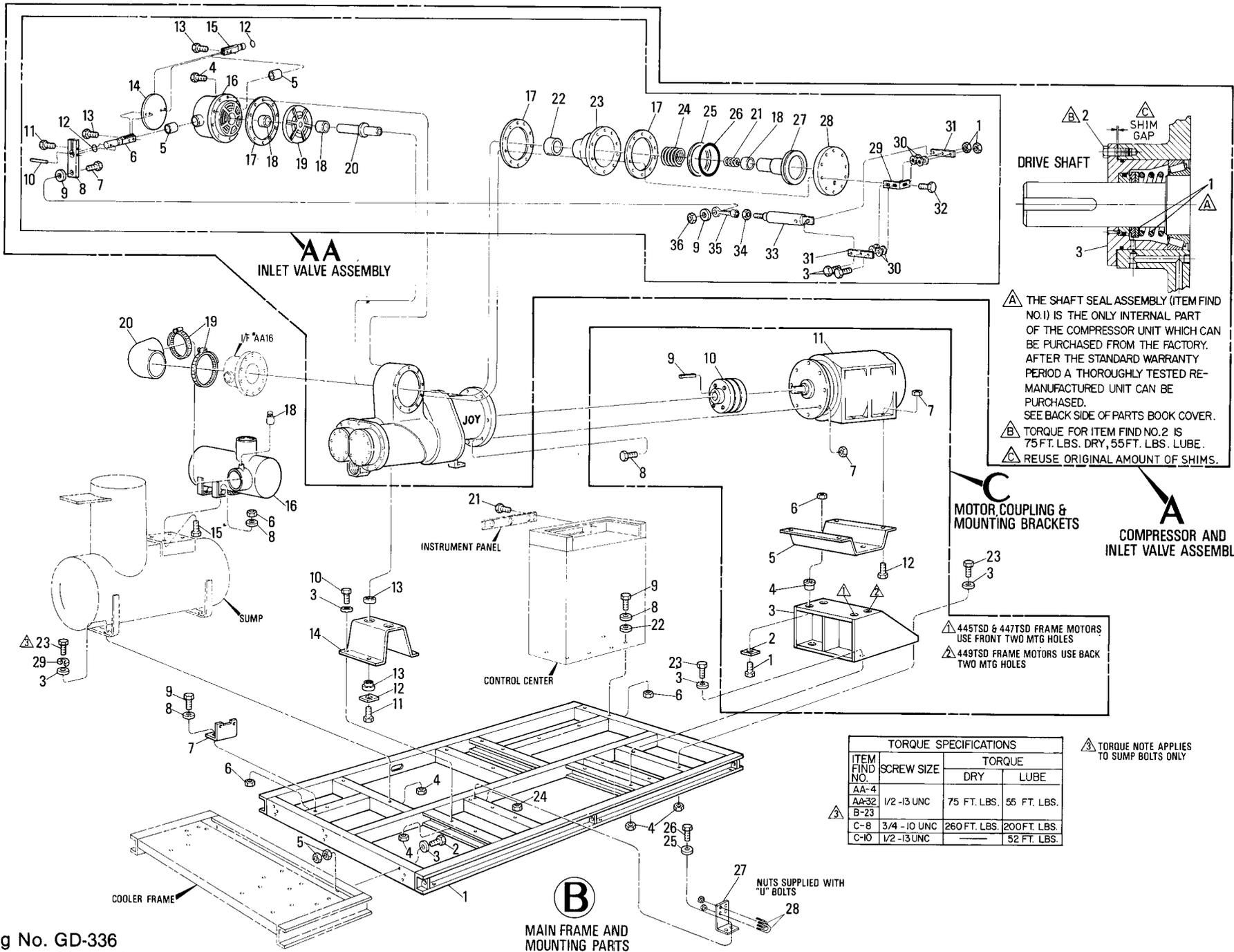
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REVISIONS:	M1162L									
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MC-2484
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NOTES



TORQUE SPECIFICATIONS			
ITEM FIND NO.	SCREW SIZE	TORQUE	
		DRY	LUBE
AA-4			
AA-32	1/2-13 UNC	75 FT. LBS.	55 FT. LBS.
B-23			
C-8	3/4-10 UNC	260 FT. LBS.	200 FT. LBS.
C-10	1/2-13 UNC		52 FT. LBS.

Drawing No. GD-336
Compressor, Motor, Inlet Valve and Mounting Parts



JOY MANUFACTURING COMPANY

REFERENCE DRAWING NO. GD-336

PAGE 1 OF 3

COMPRESSOR, MOTOR, INLET VALVE AND MOUNTING PARTS

REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.				
A	COMPRESSOR & INLET VALVE ASSEMBLY		00543404 0096	00543404 0137	00543404 0136	00543404 0097	00543404 0138	<	00543404 0098	<
.1	KIT, SHAFT SEAL ASSEMBLY	1	H0701701 0384	<	<	<	<	<	<	<
.2	SCREW, CAP HEX HD. - 1/2 X 1-1/2	6	00900012 0034	<	<	<	<	<	<	<
.3	HOUSING, SEAL	1	01663723 0055	<	<	<	<	<	<	<
AA	INLET VALVE ASSEMBLY		H0701782 0004	<	<	<	<	<	<	<
*	KIT, INLET VALVE MAINTENANCE	1	H0701701 0387	<	<	<	<	<	<	<
..1	NUT, HEX - 3/8	2	00900160 0004	<	<	<	<	<	<	<
..3	SCREW, CAP HEX HD. - 3/8 X 1-1/2	2	00900012 0033	<	<	<	<	<	<	<
..4	SCREW, CAP HEX HD. - 1/2 X 1-1/2	10	00900012 0034	<	<	<	<	<	<	<
..5	BEARING, BRONZE	2	00903775 0001	<	<	<	<	<	<	<
..6	PIN, VALVE PLATE	1	01228403 0045	<	<	<	<	<	<	<
..7	SCREW, CAP HEX HD. - 7/16 X 1-3/4	1	00900012 0638	<	<	<	<	<	<	<
..8	LEVER, BUTTERFLY VALVE	1	01228224 0026	<	<	<	<	<	<	<
..9	WASHER, FLAT - 7/16	2	00901558 0009	<	<	<	<	<	<	<
..10	PIN, SPRING - 1/8 X 1-1/2	1	00904685 0104	<	<	<	<	<	<	<
..11	SCREW, CAP HEX HD. - 1/4 X 1-1/2	1	00900012 0031	<	<	<	<	<	<	<
..12	PACKING, O-RING	2	00910660 0117	<	<	<	<	<	<	<
..13	SCREW, CAP NYLON - 5/16 X 1-1/4	4	00900015 0022	<	<	<	<	<	<	<
..14	PLATE, VALVE	1	01663597 0487	<	<	<	<	<	<	<
..15	PIN, VALVE PLATE	1	01228403 0046	<	<	<	<	<	<	<
..16	SEAT, VALVE	1	01663806 0012	<	<	<	<	<	<	<
..17	GASKET, INLET VALVE HEAD & SEAT	3	01663742 0181	<	<	<	<	<	<	<
..18	BEARING, BRONZE	3	00903775 0182	<	<	<	<	<	<	<
..19	PLATE, VALVE	1	01663597 0481	<	<	<	<	<	<	<
..20	SHAFT, INLET VALVE	1	01662302 0019	<	<	<	<	<	<	<
..21	SPRING, PISTON	1	01661112	<	<	<	<	<	<	<
..22	BUSHING, BRONZE	1	00903775 0056	<	<	<	<	<	<	<
..23	CYLINDER, INLET VALVE	1	01662307 0020	<	<	<	<	<	<	<
..24	SPRING	1	01228269 0055	<	<	<	<	<	<	<
..25	RING, GLYD	1	00910347 0002	<	<	<	<	<	<	<
..26	PACKING, O-RING	1	00910660 0441	<	<	<	<	<	<	<
..27	PISTON, INLET VALVE	1	01662305 0023	<	<	<	<	<	<	<
..28	HEAD, INLET VALVE CYLINDER	1	01662306 0023	<	<	<	<	<	<	<
..29	BRACKET, CYLINDER	1	01663798 0120	<	<	<	<	<	<	<
..30	WASHER, PLAIN - 3/8	8	00900317 0004	<	<	<	<	<	<	<
..31	RETAINER, CYLINDER	2	01663720 0080	<	<	<	<	<	<	<
..32	SCREW, CAP HEX HD. - 1/2 X 2-1/2	10	00900012 0074	<	<	<	<	<	<	<
..33	CYLINDER, AIR	1	00543440 0001	<	<	<	<	<	<	<
..34	NUT, HEX HD. JAM - 7/16	1	00900212 0015	<	<	<	<	<	<	<

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REVISIONS:

M1175L

M0460M

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



COMPRESSOR, MOTOR, INLET VALVE AND MOUNTING PARTS

28

REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.35	ROD, END - SPHERICAL	1	00907483 0007	<	<	<	<	<	<	<
.36	NUT, ELASTIC STOP - 7/16	1	00900490 0053	<	<	<	<	<	<	<
B	FRAME, MAIN & MOUNTING PARTS		00707077 2098	<	<	<	<	<	<	<
.1	FRAME, MAIN	1	03663772 0047	<	<	<	<	<	<	<
.2	SCREW, CAP HEX HD. - 1/2 X 2	9	00900012 0054	<	<	<	<	<	<	<
.3	WASHER, PLAIN - 1/2	23	00900317 0005	<	<	<	<	<	<	<
.4	NUT, ELASTIC STOP - 1/2-13	14	00900490 0054	<	<	<	<	<	<	<
.5	NUT, HEX - 1/2	18	00900160 0005	<	<	<	<	<	<	<
.6	NUT, ELASTIC STOP - 3/8-16	12	00900490 0052	<	<	<	<	<	<	<
.7	BRACKET, THERMO VALVE SUPPORT	1	01663798 0119	<	<	<	<	<	<	<
.8	WASHER, PLAIN - 3/8	12	00900317 0004	<	<	<	<	<	<	<
.9	SCREW, CAP HEX HD. - 3/8 X 1-1/2	8	00900012 0033	<	<	<	<	<	<	<
.10	SCREW, CAP HEX HD. - 1/2 X 1-1/2	4	00900012 0034	<	<	<	<	<	<	<
.11	SCREW, CAP NYLOK - 1 X 5	2	00900015 0178	<	<	<	<	<	<	<
.12	SPACER	2	01663702 0159	<	<	<	<	<	<	<
.13	MOUNT, VIBRATION	2	00910336 0025	<	<	<	<	<	<	<
.14	SUPPORT, ASSEMBLY-COMPRESSOR	1	03663693 0432	<	<	<	<	<	<	<
.15	SCREW, CAP HEX HD. - 3/8 X 1	4	00900012 0013	<	<	<	<	<	<	<
.16	FILTER, AIR	1	00519002 0057	<	<	<	<	<	<	<
*	ELEMENT, FILTER	1	00527693 0031	<	<	<	<	<	<	<
.18	INDICATOR, AIR CLEANER	1	00519520 0004	<	<	<	<	<	<	<
.19	CLAMP, HOSE - 9-7/8 TO 10-3/4	2	00902320 0344	<	<	<	<	<	<	<
.20	HOSE, AIR DUCT	1	01607341 0003	<	<	<	<	<	<	<
.21	SCREW, SELF TAP - #10-16 X 1/2	10	00901551 0028	<	<	<	<	<	<	<
.22	WASHER, SEALING - 3/8	6	00906361 0005	<	<	<	<	<	<	<
.23	SCREW, CAP HEX HD. - 1/2 X 1-3/4	10	00900012 0044	<	<	<	<	<	<	<
.24	NUT, ELASTIC STOP - 5/16-18	2	00900490 0051	<	<	<	<	<	<	<
.25	WASHER, PLAIN - 5/16	2	00900317 0003	<	<	<	<	<	<	<
.26	SCREW, CAP HEX HD. - 5/16 X 1-1/4	2	00900012 0022	<	<	<	<	<	<	<
.27	SUPPORT, SOLENOID VALVE	1	01661806 0262	<	<	<	<	<	<	<
.28	BOLT, "U" - 1/4	2	00909003 0009	<	<	<	<	<	<	<
.29	WASHER, LOCK - 1/2	4	00900302 0004	<	<	<	<	<	<	<
C	MOTOR, COUPLING & MOUNTING BRACKET			<	<	<	<	<	<	<
.1	SCREW, CAP HEX HD. - 3/4 X 4	2	00900012 0136	<	<	<	<	<	<	<
.2	WASHER, SPECIAL	2	01663702 0229	<	<	<	<	<	<	<
.3	SUPPORT, ASSEMBLY-MOTOR	1	03663693 0433	<	<	<	<	<	<	<

REVISIONS :

M1175L

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



JOY MANUFACTURING COMPANY

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

REFERENCE DRAWING NO. GD-336

PAGE 3 OF 3

COMPRESSOR, MOTOR, INLET VALVE ASSEMBLY

REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.4	MOUNTING, CENTER BONDED	2	00910335 0020	<	<	<	<	<	<	<
.5	SUPPORT, MOTOR (2300 V.) - ODP	1	01661806 0251	<	<	<	<	<	<	<
.5	SUPPORT, MOTOR (460,575 V.) - ODP	1	01661806 0249	01661806 0250	01661806 0249	<	01661806 0251	01661806 0250	<	01661806 0251
.5	SUPPORT, MOTOR (4160 V.) - ODP	1	01661806 0251	<	01661806 0251	<	<	<	<	<
.5	SUPPORT, MOTOR (2300 V.) - TEFC	1	01661806 0251	<	01661806 0251	<	<	01661806 0251	<	<
.5	SUPPORT, MOTOR (460,575 V.) - TEFC	1	01661806 0251	<	<	<	<	<	<	<
.5	SUPPORT, MOTOR (4160 V.) - TEFC	1	<	<	<	<	<	<	<	<
.6	NUT, ELASTIC STOP - 3/4-10	2	00900490 0018	<	<	<	<	<	<	<
.7	NUT, HEX - 3/4	12	00900160 0007	<	<	<	<	<	<	<
.8	SCREW, CAP HEX HD. - 3/4 X 3	8	00900012 0096	<	<	<	<	<	<	<
.9	KEY, SQ. ENDS - 3/4 X 3/4 X 4	1	00900947 0490	<	<	<	<	<	<	<
.10	COUPLING, FLEXIBLE	1	00543215 0084	<	<	<	<	<	<	<
.11	MOTOR (2300 V.) - ODP	1	00526398 1604	00526398 1608	00526398 1604	<	00526398 1612	00526398 1608	<	00526398 1612
.11	MOTOR (460 V.) - ODP	1	00526398 1602	00526398 1606	00526398 1602	<	00526398 1610	00526398 1606	<	00526398 1610
.11	MOTOR (575 V.) - ODP	1	00526398 1603	00526398 1607	00526398 1603	<	00526398 1611	00526398 1607	<	00526398 1611
.11	MOTOR (4160 V.) - ODP	1	00526398 1605	<	<	<	<	<	<	<
.11	MOTOR (2300 V.) - TEFC	1	00526398 1639	<	<	<	<	00526398 1641	<	<
.11	MOTOR (460 V.) - TEFC	1	00526398 1637	00526398 1641	00526398 1637	<	00526398 1641	<	<	<
.11	MOTOR (575 V.) - TEFC	1	00526398 1638	00526398 1642	00526398 1638	<	00526398 1642	<	<	<
.11	MOTOR (4160 V.) - TEFC	1	<	<	<	<	<	<	<	<
.12	SCREW, CAP HEX HD. - 3/4 X 2-1/2	4	00900012 0076	<	<	<	<	<	<	<

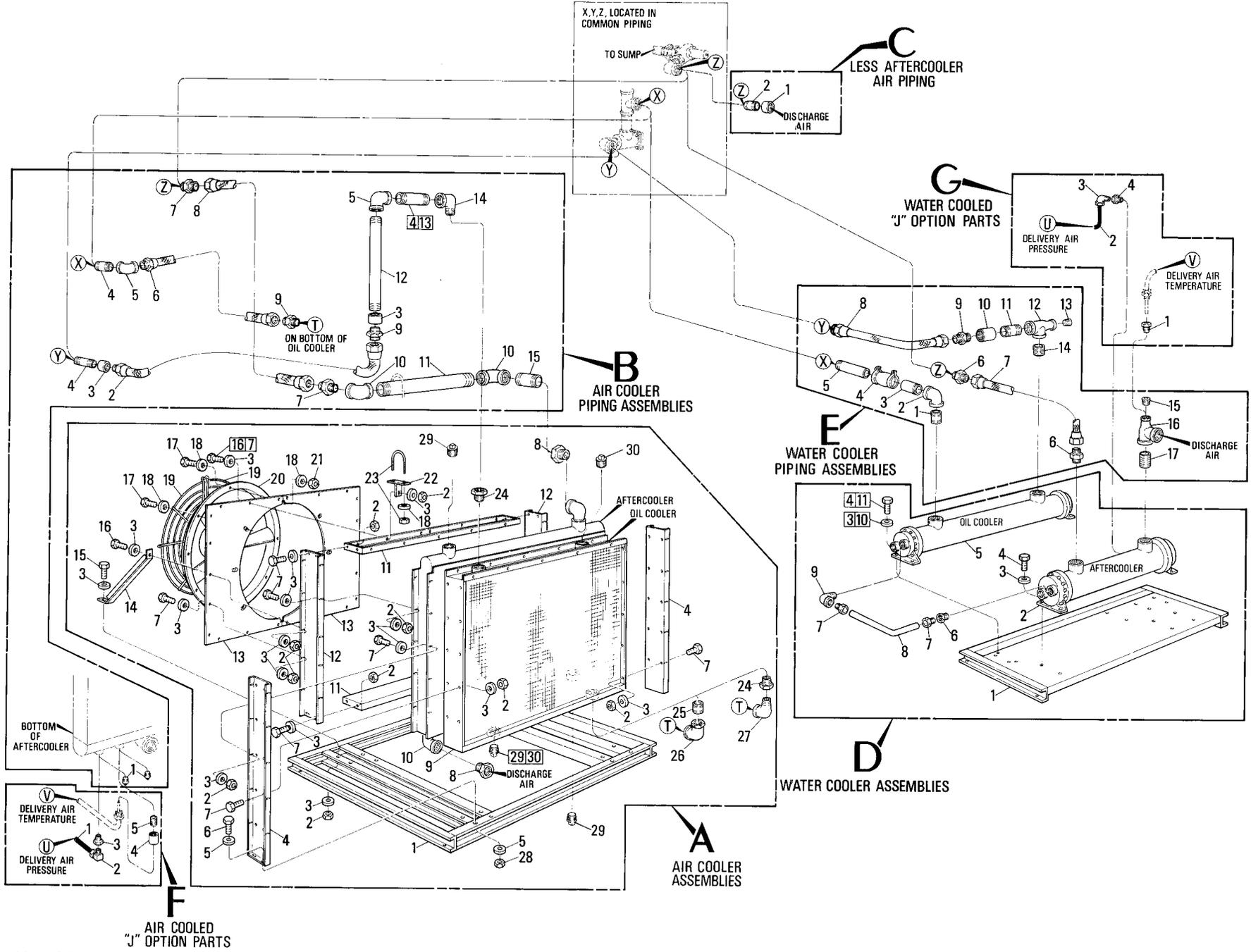
29

REVISIONS:

M1172L

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



Drawing No. GD-337
Cooler and Piping Assemblies



JOY MANUFACTURING COMPANY

LEGEND: A = AIR COOLED WITH AFTERCOOLER
B = AIR COOLED WITHOUT AFTERCOOLER

REFERENCE DRAWING NO. GD-337

PAGE 1 OF 3

COOLER AND PIPING ASSEMBLIES

REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
A	COOLER ASSEMBLY (460V) (A)		00543237 2184	00543237 2186	00543237 2184	<	00543237 2188	00543237 2186	<	00543237 2188
A	COOLER ASSEMBLY (575V) (A)		00543237 2185	00543237 2187	00543237 2185	<	00543237 2189	00543237 2187	<	00543237 2189
A	COOLER ASSEMBLY (460V) (B)		00543237 2192	00543237 2194	00543237 2192	<	00543237 2196	00543237 2194	<	00543237 2196
A	COOLER ASSEMBLY (575V) (B)		00543237 2193	00543237 2195	00543237 2193	<	00543237 2197	00543237 2195	<	00543237 2197
.1	FRAME, ASSY-AIR COOLERS	1	03663772 0049	<	<	<	<	<	<	<
.2	NUT, ELASTIC STOP 5/16-18 (A)	92	00900490 0051	<	<	<	<	<	<	<
.2	NUT, ELASTIC STOP 5/16-18 (B)	72	00900490 0051	<	<	<	<	<	<	<
.3	WASHER, PLAIN - 5/16 (A)	176	00900317 0003	<	<	<	<	<	<	<
.3	WASHER, PLAIN - 5/16 (B)	136	00900317 0003	<	<	<	<	<	<	<
.4	SUPPORT, AIR COOLED OIL COOLER	2	01661806 0261	<	<	<	<	<	<	<
.5	WASHER, PLAIN - 1/2	8	00900317 0005	<	<	<	<	<	<	<
.6	SCREW, CAP HEX HD 1/2 X 1 1/2	4	00900012 0034	<	<	<	<	<	<	<
.7	SCREW, CAP HEX HD 5/16 X 3/4 (A)	87	00900012 0002	<	<	<	<	<	<	<
.7	SCREW, CAP HEX HD 5/16 X 3/4 (B)	68	00900012 0002	<	<	<	<	<	<	<
.8	BUSHING, REDUCING 4 X 3 (A)	2	00901160 0036	<	<	<	<	<	<	<
.9	EXCHANGER, HEAT (OIL COOLER)	1	00543305 0103	<	<	<	<	<	<	<
.10	EXCHANGER, HEAT (AFTERCOOLER) (A)	1	00543305 0104	<	<	<	<	<	<	<
.11	PANEL, PLENUM - TOP & BOTTOM	2	01663769 0591	<	<	<	<	<	<	<
.12	PANEL, PLENUM - SIDE	2	01663769 0590	<	<	<	<	<	<	<
.13	PANEL, ASSY - FAN/COOLER ADAPTER	2	03663770 0073	<	<	<	<	<	<	<
.14	ANGLE, SUPPORT	2	01663694 0073	<	<	<	<	<	<	<
.15	SCREW, CAP HEX HD 5/16 X 1 1/2	2	00900012 0032	<	<	<	<	<	<	<
.16	SCREW, CAP HEX HD 5/16 X 1 (A)	3	00900013 0012	<	<	<	<	<	<	<
.16	SCREW, CAP HEX HD 5/16 X 1 (B)	2	00900012 0012	<	<	<	<	<	<	<
.17	SCREW, CAP HEX HD 5/16 X 3/4	8	00900012 0003	<	<	<	<	<	<	<
.18	WASHER, PLAIN - 3/8 (A)	12	00900317 0004	<	<	<	<	<	<	<
.18	WASHER, PLAIN - 3/8 (B)	10	00900317 0004	<	<	<	<	<	<	<
.19	GUARD, COOLER FAN	2	03661655 0056	<	<	<	<	<	<	<
.20	FAN, ASSY (460V) (A)	1	00543224 0112	00543224 0114	00543224 0112	<	00543224 0116	00543224 0114	<	00543224 0116
.20	FAN, ASSY (575V) (A)	1	00543224 0113	00543224 0115	00543224 0113	<	00543224 0117	00543224 0115	<	00543224 0117
.20	FAN, ASSY (460V) (B)	1	00543224 0120	00543224 0112	00543224 0120	<	00543224 0114	00543224 0112	<	00543224 0114
.20	FAN, ASSY (575V) (B)	1	00543224 0121	00543224 0113	00543224 0121	<	00543224 0115	00543224 0113	<	00543224 0115
.21	NUT, ELASTIC STOP 3/8-16	2	00900490 0052	<	<	<	<	<	<	<
.22	SUPPORT, ASSY-PIPE (A)	1	03663693 0437	<	<	<	<	<	<	<
.23	BOLT, "U"- 3/8 (A)	1	00909003 0028	<	<	<	<	<	<	<
.24	BUSHING, REDUCING 3 X 2	2	00901159 0032	<	<	<	<	<	<	<
.27	ELBOW, 90° STREET - 2"	1	00901046 0009	<	<	<	<	<	<	<
.28	NUT, ELASTIC STOP 1/2-13	4	00900490 0054	<	<	<	<	<	<	<
.29	PLUG, SQ HD PIPE - 2" (A)	2	00901204 0009	<	<	<	<	<	<	<
.30	PLUG, SQ CSUNK PIPE - 3"	2	00901220 0011	<	<	<	<	<	<	<
REVISIONS :			M1174L							

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



JOY MANUFACTURING COMPANY

LEGEND: A = AIR COOLED WITH AFTERCOOLER
 B = AIR COOLED WITHOUT AFTERCOOLER
 C = WATER COOLED WITH AFTERCOOLER
 D = WATER COOLED WITHOUT AFTERCOOLER

REFERENCE DRAWING NO. GD-337

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COOLER AND PIPING ASSEMBLIES

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REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
B	PIPING, AIR AND OIL (A)		00707079 2128	<	<	<	<	<	<	<
B	PIPING, OIL (B)		00707079 2129	<	<	<	<	<	<	<
.1	PLUG, HEX SOC. PIPE - 1/2 (A)	2	00901921 0004	<	<	<	<	<	<	<
.2	HOSE ASSEMBLY	1	00519120 0183	<	<	<	<	<	<	<
.3	COUPLING, PIPE - 2"	2	00901286 0009	<	<	<	<	<	<	<
.4	NIPPLE, PIPE - 2 X 8-1/2	3	00902466 0252	<	<	<	<	<	<	<
.5	ELBOW, 90° PIPE - 2"	2	00901023 0009	<	<	<	<	<	<	<
.6	HOSE ASSEMBLY	1	00519120 0222	<	<	<	<	<	<	<
.7	ADAPTER, MALE - 3" T X 3" NPT (A)	2	00907234 4848	<	<	<	<	<	<	<
.8	HOSE ASSEMBLY (A)	1	00519120 0281	<	<	<	<	<	<	<
.9	ADAPTER, MALE - 2" T X 2" NPT	2	00907234 3232	<	<	<	<	<	<	<
.10	ELBOW, 90° PIPE - 3" (A)	2	00901023 0014	<	<	<	<	<	<	<
.11	NIPPLE, PIPE - 3 X 36-1/2 (A)	1	00902466 1437	<	<	<	<	<	<	<
.12	NIPPLE, PIPE - 2 X 32	1	00902466 0675	<	<	<	<	<	<	<
.14	ELBOW, 90° STREET - 2"	1	00901046 0009	<	<	<	<	<	<	<
.15	NIPPLE, X-STR. CLOSE - 3 X 2-5/8 (A)	1	00901176 1639	<	<	<	<	<	<	<
C	PIPING, AIR DISCHARGE (B) (D)		00707079 2125	<	<	<	<	<	<	<
.1	COUPLING, PIPE - 3"	1	00901286 0011	<	<	<	<	<	<	<
.2	NIPPLE, PIPE - 3 X 15	1	00902466 1351	<	<	<	<	<	<	<
D	COOLER, AND PARTS - OIL/AFTER (C)		00707087 2072	00707087 2073	00707087 2072	<	00707087 2073	<	<	<
D	COOLER, AND PARTS - OIL (D)		00707087 2075	00707087 2076	00707087 2075	<	00707087 2076	<	<	<
.1	FRAME, ASSEMBLY - WATER COOLERS	1	03663772 0051	<	<	<	<	<	<	<
.2	EXCHANGER, HEAT AFTERCOOLER (C)	1	00543305 0106	00543305 0109	00543305 0106	<	00543305 0109	<	<	<
*	KIT, GASKET (COOLER W/ C.I. ENDS)	1	00701701 0152	<	<	<	<	<	<	<
*	KIT, GASKET (COOLER W/ STL. ENDS)	1	00701701 0386	<	<	<	<	<	<	<
.3	WASHER, PLAIN - 1/2 (C)	4	00900317 0005	< (QTY. 8)	< (QTY. 4)	< (QTY. 4)	< (QTY. 8)	< (QTY. 8)	< (QTY. 8)	< (QTY. 8)
.3	WASHER, PLAIN - 1/2 (D)	4	00900317 0005	< (QTY. 8)	< (QTY. 4)	< (QTY. 4)	< (QTY. 8)	< (QTY. 8)	< (QTY. 8)	< (QTY. 8)
.4	SCREW, CAP HEX HD. - 1/2 X 1 (C)	4	00900012 0014	00900012 0014	< (QTY. 4)	< (QTY. 4)	< (QTY. 8)	< (QTY. 8)	< (QTY. 8)	< (QTY. 8)
.4	SCREW, CAP HEX HD. - 1/2 X 1 (D)	4	00900012 0014	00900012 0014	<	<	<	<	<	<
.5	EXCHANGER, HEAT (OIL COOLER)	1	00543305 0107	00543305 0108	00543305 0107	<	00543305 0108	<	<	<
*	KIT, GASKET (COOLER W/ C.I. ENDS)	1	00701701 0151	00701701 0152	00701701 0151	<	00701701 0152	<	<	<
*	KIT, GASKET (COOLER W/ STL. ENDS)	1	00701701 0385	00701701 0386	00701701 0385	<	00701701 0386	<	<	<
.7	CONNECTOR, MALE - 2" T X 2" NPT (C)	2	00912034 0032	<	<	<	<	<	<	<
.8	TUBE, OIL TO AFTERCOOLER (C)	1	01228229 0073	<	<	<	<	<	<	<
REVISIONS:			M1174L							

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



JOY MANUFACTURING COMPANY

LEGEND: C = WATER COOLED WITH AFTERCOOLER
D = WATER COOLED WITHOUT AFTERCOOLER

REFERENCE DRAWING NO. GD-337

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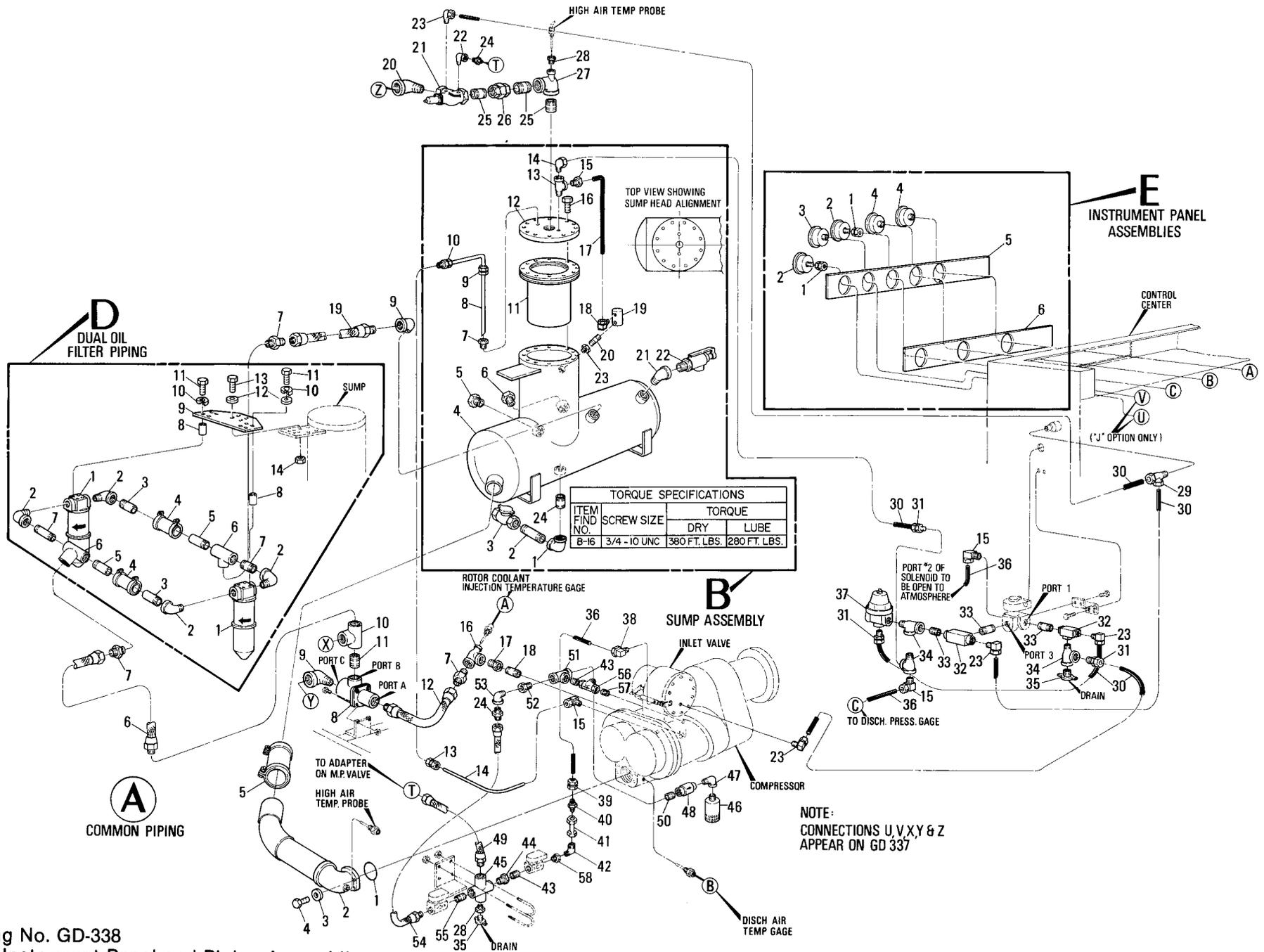
COOLER AND PIPING ASSEMBLIES

33

REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.9	ELBOW, 90° STREET - 2" (C)	1	00901046 0009	<	<	<	<	<	<	<
.10	WASHER, PLAIN - 3/8	4	00900317 0004	<	00900317 0004	<	<	<	<	<
.11	SCREW, CAP HEX HD 3/8 X 3/4	4	00900012 0003	<	00900012 0003	<	<	<	<	<
E	PIPING, AIR AND OIL (C)		00707079 2120	00707079 2121	00707079 2120	<	00707079 2121	<	<	<
E	PIPING, OIL (D)		00707079 2123	00707079 2124	00707079 2123	<	00707079 2124	<	<	<
.1	NIPPLE, PIPE 2 X 4 3/4	1	00902466 0162	<	<	<	<	<	<	<
.2	ELBOW, 90° PIPE - 2"	1	00901023 0009	<	<	<	<	<	<	<
.3	NIPPLE, THD ONE END 2 X 4	1	00910096 0135	<	<	<	<	<	<	<
.4	COUPLING, STR FLEX PIPE - 2"	1	00910038 0007	<	<	<	<	<	<	<
*	GASKET	2	00910068 0007	<	<	<	<	<	<	<
.5	NIPPLE, THD ONE END 2 X 1 1/2	1	00910096 0297	<	<	<	<	<	<	<
.6	ADAPTER, MALE - 3" T X 3" NPT (C)	2	00907234 4848	<	<	<	<	<	<	<
.7	HOSE ASSEMBLY (C)	1	00519120 0279	<	<	<	<	<	<	<
.8	HOSE ASSEMBLY	1	00519120 0141	00519120 0142	00519120 0141	<	00519120 0142	<	<	<
.9	ADAPTER, MALE - 2" T X 2" NPT	2	00907234 3232	<	<	<	<	<	<	<
.10	COUPLING, PIPE - 2"	1	00901286 0009	<	<	<	<	<	<	<
.11	NIPPLE, PIPE 2 X 1 1/2	1	00902466 0423	<	00902466 0243	<	<	<	<	<
.11	NIPPLE, PIPE 2 X 8	1		00902466 0243			00902466 0243	<	<	<
.12	TEE, REDUCING 2 X 1 X 2	1	00905329 0038	<	<	<	<	<	<	<
.13	PLUG, HEX SOC PIPE - 1"	1	00901921 0006	<	<	<	<	<	<	<
.14	NIPPLE, X-STR CLOSE 2 X 2	1	00901176 0063	<	<	<	<	<	<	<
.15	PLUG, HEX SOC PIPE - 3/4 (C)	1	00901921 0005	<	<	<	<	<	<	<
.16	TEE, REDUCING 3 X 3/4 X 3 (C)	1	00905329 0105	<	<	<	<	<	<	<
.17	NIPPLE, X-STR CLOSE 3 X 2 5/8 (C)	1	00901176 1639	<	<	<	<	<	<	<
F	AIR COOLED "J" OPTION PARTS									
.1	TUBING (FT)	15.5	00910082	<	<	<	<	<	<	<
.2	CONNECTOR, 90° MALE 1/4 T X 1/4 PT	1	00915557 0444	<	<	<	<	<	<	<
.3	BUSHING, REDUCING 1/2 X 1/4	1	00901167 0005	<	<	<	<	<	<	<
.4	COUPLING, PIPE - 1/2	1	00901286 0004	<	<	<	<	<	<	<
.5	NIPPLE, X-STR CLOSE 1/2 X 1 1/8	1	00901176 0022	<	<	<	<	<	<	<
G	WATER COOLED "J" OPTION PARTS									
.1	BUSHING, REDUCING 3/4 X 1/2	1	00901167 0009	<	<	<	<	<	<	<
.2	TUBING (FT)	15.5	00910082	<	<	<	<	<	<	<
.3	CONNECTOR, 90° MALE - 1/4 T X 1/4 PT	1	00915557 0444	<	<	<	<	<	<	<
.4	BUSHING, REDUCING 3/8 X 1/4	1	00901167 0003	<	<	<	<	<	<	<
REVISIONS:			M1171L							

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



Drawing No. GD-338
Sump, Instrument Panel and Piping Assemblies



JOY MANUFACTURING COMPANY

REFERENCE DRAWING NO. GD-338

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SUMP, INSTRUMENT PANEL AND PIPING ASSEMBLIES

REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
A	COMMON PIPING PARTS									
.1	PACKING, O-RING	1	00910659 0253	<	<	<	<	<	<	<
.2	ELBOW, ASSEMBLY-AIR DISCHARGE	1	03228205 0019	<	<	<	<	<	<	<
.3	WASHER, LOCK - 5/8	4	00900302 0064	<	<	<	<	<	<	<
.4	SCREW, CAP C'BORE - 5/8 X 2-1/4	4	00901858 0584	<	<	<	<	<	<	<
.5	COUPLING, STR. FLEX PIPE - 6"	1	00910038 0012	<	<	<	<	<	<	<
* .6	GASKET	2	00910068 0009	<	<	<	<	<	<	<
.6	HOSE ASSEMBLY	1	00519120 0282	<	<	<	<	<	<	<
.7	ADAPTER, MALE - 2" T X 2" NPT	2	00907234 3232	<	<	<	<	<	<	<
.8	VALVE, THERMOSTATIC	1	00519229 0012	<	<	<	<	<	<	<
*	KIT, MAINTENANCE	1	00701601 0752	<	<	<	<	<	<	<
.9	ELBOW, 90° STREET - 2"	2	00901046 0009	<	<	<	<	<	<	<
.10	TEE, PIPE - 2"	1	00901090 0009	<	<	<	<	<	<	<
.11	NIPPLE, PIPE - 2 X 4	1	00902466 0135	<	<	<	<	<	<	<
.12	HOSE ASSEMBLY	1	00519120 0216	<	<	<	<	<	<	<
.13	CONNECTOR, FEMALE - 1/4 T X 1/4 PT	1	00915550 0444	<	<	<	<	<	<	<
.14	TUBING, CLEAR (FT.)	4	00910086	<	<	<	<	<	<	<
.15	CONNECTOR, 90° MALE - 1/4 T X 1/4 PT	3	00915557 0444	<	<	<	<	<	<	<
.16	TEE, REDUCING - 2 X 1/2 X 2	1	00905329 0055	<	<	<	<	<	<	<
.17	BUSHING, REDUCING - 2 X 1-1/2	1	00901160 0026	<	<	<	<	<	<	<
.18	NIPPLE, PIPE - 1-1/2 X 2-1/2	1	00902466 0080	<	<	<	<	<	<	<
.19	HOSE ASSEMBLY	1	00519120 0154	<	<	<	<	<	<	<
.20	ELBOW, 90° STREET - 3"	1	00901046 0041	<	<	<	<	<	<	<
.21	VALVE, MINIMUM PRESSURE	1	00519055 0030	<	<	<	<	<	<	<
*	KIT, MAINTENANCE	1	00701701 0383	<	<	<	<	<	<	<
.22	ELBOW, 90° RED. STREET - 3/4 X 1/2	1	00901053 0002	<	<	<	<	<	<	<
.23	CONNECTOR, 90° MALE - 3/8 T X 1/4 PT	4	00915557 0064	<	<	<	<	<	<	<
.24	ADAPTER, MALE - 3/4 T X 3/4 NPT	1	00907234 1212	<	<	<	<	<	<	<
.25	NIPPLE, PIPE - 3 X 3-1/2	3	00902466 1294	<	<	<	<	<	<	<
.26	UNION, FEMALE PIPE - 3"	1	00901128 0010	<	<	<	<	<	<	<
.27	TEE, REDUCING - 3 X 3/4 X 3	1	00905329 0105	<	<	<	<	<	<	<
.28	BUSHING, REDUCING - 3/4 X 1/4	2	00901160 0007	<	<	<	<	<	<	<
.29	TEE, MALE RUN - 3/8 T X 1/4 PT	1	00915564 0064	<	<	<	<	<	<	<
.30	TUBING (FT.)	20.5	00910084	<	<	<	<	<	<	<
.31	CONNECTOR, MALE - 3/8 T X 1/4 PT	3	00915543 0064	<	<	<	<	<	<	<
.32	VALVE, SHUTTLE	2	00543299 0007	<	<	<	<	<	<	<
.33	NIPPLE, X-STR. CLOSE - 1/4 X 7/8	3	00901176 0002	<	<	<	<	<	<	<
.34	TEE, STRAIGHT SERVICE - 1/4	3	00906350 0001	<	<	<	<	<	<	<
.35	COCK, DRAIN - 1/4	2	00903873 0021	<	<	<	<	<	<	<
.36	TUBING (FT.)	8.5	00910082	<	<	<	<	<	<	<
REVISIONS:			M1166L	M0460M						

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* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



JOY MANUFACTURING COMPANY

REFERENCE DRAWING NO. GD-338

PAGE 2 OF 3

SUMP, INSTRUMENT PANEL AND PIPING ASSEMBLIES

36

REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.37	VALVE, CONTROL	1	00543234 0003	<	<	<	<	<	<	<
*	KIT, MAINTENANCE	1	00701701 0287	<	<	<	<	<	<	<
.38	CONNECTOR, 90° MALE - 1/4T X 1/8 PT	1	00915557 0004	<	<	<	<	<	<	<
.39	CONNECTOR, FEMALE - 1/4T X 1/8 PT	1	00915550 0004	<	<	<	<	<	<	<
.40	ORIFICE, CONNECTOR - .032	1	00910239 0001	<	<	<	<	<	<	<
.41	TUBE ASSEMBLY	1	00543290 0039	<	<	<	<	<	<	<
.42	ELBOW, 90° MALE - 1/4T X 1/4 PT	1	00906266 0044	<	<	<	<	<	<	<
.43	NIPPLE, X-STR. CLOSE - 3/8 X 1	2	00901176 0012	<	<	<	<	<	<	<
.44	BUSHING, REDUCING - 3/4 X 3/8	1	00901167 0008	<	<	<	<	<	<	<
.45	CROSS, PIPE - 3/4	1	00901109 0005	<	<	<	<	<	<	<
.46	MUFFLER, AIR EXHAUST	1	00519454 0016	<	<	<	<	<	<	<
.47	ELBOW, 90° STREET - 1"	1	00901046 0006	<	<	<	<	<	<	<
.48	VALVE, CHECK	1	00519214 0007	<	<	<	<	<	<	<
.49	HOSE ASSEMBLY	1	00519120 0219	<	<	<	<	<	<	<
.50	NIPPLE, X-STR. CLOSE - 1 X 1-1/2	1	00901176 0051	<	<	<	<	<	<	<
.51	TEE, REDUCING - 1 X 1 X 3/8	1	00905329 0088	<	<	<	<	<	<	<
.52	BUSHING, REDUCING - 1 X 3/4	1	00901160 0013	<	<	<	<	<	<	<
.53	ELBOW, 90° STREET - 3/4	1	00901046 0005	<	<	<	<	<	<	<
.54	HOSE ASSEMBLY	1	00519120 0273	<	<	<	<	<	<	<
.55	NIPPLE, PIPE - 3/4 X 1-1/2	1	00902466 0050	<	<	<	<	<	<	<
.56	VALVE, CHECK - 3/8	1	00901299 0002	<	<	<	<	<	<	<
.57	ORIFICE, ASSEMBLY - .25	1	03228395 0037	<	<	<	<	<	<	<
.58	BUSHING, REDUCING - 3/8 X 1/4	1	00901160 0003	<	<	<	<	<	<	<
B	SUMP ASSEMBLY		00543236 2029	<	<	<	<	<	<	<
.1	ELBOW, 90° PIPE - 1"	1	00901023 0006	<	<	<	<	<	<	<
.2	NIPPLE, PIPE - 1 X 10	1	00902466 0276	<	<	<	<	<	<	<
.3	VALVE, GLOBE - 1"	1	00901298 0018	<	<	<	<	<	<	<
.4	SUMP, AIR-OIL	1	03662422 0059	<	<	<	<	<	<	<
.5	GLASS, SIGHT	1	00519108 0010	<	<	<	<	<	<	<
.6	PLUG, FILLER	1	00519126	<	<	<	<	<	<	<
*	PACKING, O-RING	1	00903226 0024	<	<	<	<	<	<	<
.7	BUSHING, REDUCING - 3/8 X 1/4	1	00901160 0003	<	<	<	<	<	<	<
.8	TUBE ASSEMBLY	1	00543290 0802	<	<	<	<	<	<	<
.9	CONNECTOR, SPECIAL	1	00543286 0003	<	<	<	<	<	<	<
.10	ORIFICE, CONNECTOR - .047	1	00910239 0016	<	<	<	<	<	<	<
.11	SEPARATOR	1	00543117 0053	<	<	<	<	<	<	<
.12	HEAD, SUMP	1	01228358 0019	<	<	<	<	<	<	<
.13	TEE, STRAIGHT SERVICE - 3/8	1	00906350 0002	<	<	<	<	<	<	<
.14	CONNECTOR, 90° MALE - 3/8T X 3/8 PT	1	00915557 0066	<	<	<	<	<	<	<
.15	CONNECTOR, MALE - 3/8T X 3/8 PT	1	00915543 0066	<	<	<	<	<	<	<

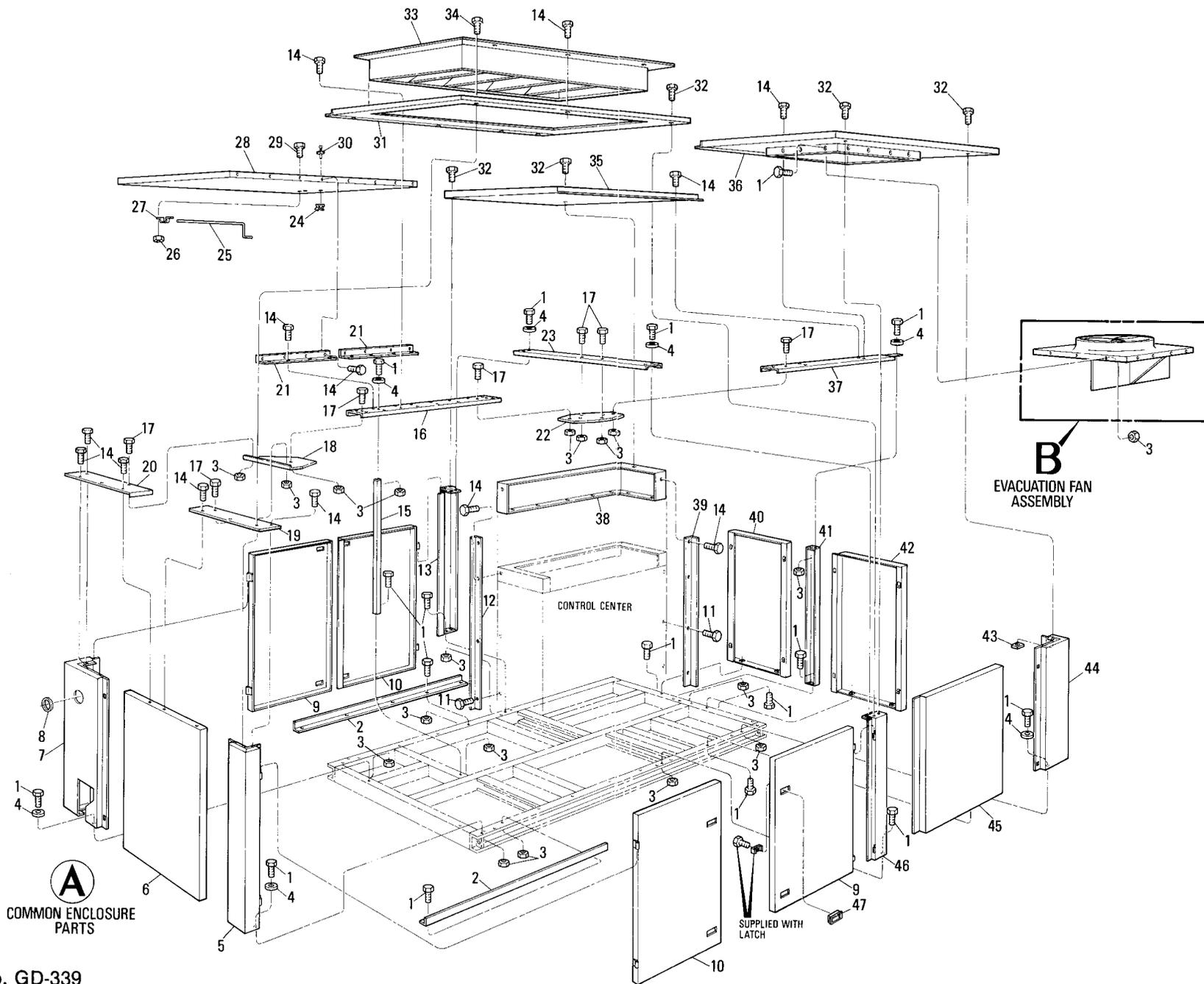
REVISIONS:

M1175L

MO460M

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



Drawing No. GD-339
Enclosure and Mounting Parts



JOY MANUFACTURING COMPANY

REFERENCE DRAWING NO. GD-339

PAGE 1 OF 2

ENCLOSURE AND MOUNTING PARTS

REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
A	COMMON ENCLOSURE PARTS									
.1	SCREW, CAP HEX HD 5/16 X 3/4	52	00900012 0002	<	<	<	<	<	<	<
.2	STOP, DOUBLE DOOR	2	01228486 0012	<	<	<	<	<	<	<
.3	NUT, ELASTIC STOP 5/16 - 18	53	00900490 0051	<	<	<	<	<	<	<
.4	WASHER PLAIN - 5/16	16	00900317 0003	<	<	<	<	<	<	<
.5	PANEL, ASSY - COMPR. CORNER	1	03663770 0075	<	<	<	<	<	<	<
.6	PANEL, ASSY - COMPR END	1	00543322 0108	<	<	<	<	<	<	<
.7	PANEL, ASSY - SUMP CORNER	1	03663770 0074	<	<	<	<	<	<	<
.8	GROMMET	1	01228475 0002	<	<	<	<	<	<	<
.9	PANEL, ASSY - RH DOOR	2	00543322 0107	<	<	<	<	<	<	<
.10	PANEL, ASSY - LH DOOR	2	00543322 0106	<	<	<	<	<	<	<
.11	SCREW, SELF-DRILL 1/4-20 X 3/4	6	00914302 0100	<	<	<	<	<	<	<
.12	ANGLE, SUMP SIDE ATTACHING	1	01663710 0160	<	<	<	<	<	<	<
.13	SUPPORT, ASSY - SUMP SIDE ROOF	1	03663693 0435	<	<	<	<	<	<	<
.14	SCREW, PAN HD MACH 1/4-20 X 3/4	36	00905850 0071	<	<	<	<	<	<	<
.15	SUPPORT, ASSY - ROOF FRAME	1	03663693 0434	<	<	<	<	<	<	<
.16	CHANNEL, ASSY - ROOF FRAME	1	03228462 0054	<	<	<	<	<	<	<
.17	SCREW, CAP HEX HD 5/16 X 1 1/4	10	00900012 0022	<	<	<	<	<	<	<
.18	PLATE, ROOF JOINING	1	01663597 0486	<	<	<	<	<	<	<
.19	PANEL, COMPR CORNER ROOF	1	01663769 0607	<	<	<	<	<	<	<
.20	PANEL, SUMP CORNER ROOF	1	01663769 0606	<	<	<	<	<	<	<
.21	HINGE, TOP ACCESS DOOR	2	01224182 0034	<	<	<	<	<	<	<
.22	PLATE, ROOF FRAME JOINING	1	01663597 0484	<	<	<	<	<	<	<
.23	CHANNEL, CENTER ROOF FRAME	1	01663709 0537	<	<	<	<	<	<	<
.24	CLIP, STOWAGE - 1/4 OD	1	00910356 0004	<	<	<	<	<	<	<
.25	ROD, DOOR SUPPORT	1	01228371 0052	<	<	<	<	<	<	<
.26	NUT, ELASTIC STOP #8	2	00900490 0068	<	<	<	<	<	<	<
.27	CLIP, ROD	1	00902907 0004	<	<	<	<	<	<	<
.28	PANEL, ASSY-TOP ACCESS	1	00543322 0113	<	<	<	<	<	<	<
.29	SCREW, PAN HD MACH #8 X 1/2	2	00905850 0041	<	<	<	<	<	<	<
.30	RIVET, POP - 1/8	1	00910270 0001	<	<	<	<	<	<	<
.31	ROOF, ASSY - INTAKE PLENUM	1	03228289 0098	<	<	<	<	<	<	<
.32	SCREW, PAN HD MACH 5/16 X 2	5	00905850 0139	<	<	<	<	<	<	<
.33	PLENUM, ASSY - WITH LINER	1	00543274 0009	<	<	<	<	<	<	<
.34	SCREW, PAN HD MACH 1/4 X 2	1	00905850 0138	<	<	<	<	<	<	<
.35	PANEL, ASSY - ROOF WITH LINER	1	00543322 0112	<	<	<	<	<	<	<
.36	PANEL, ASSY - ROOF PLENUM DISCH	1	03663770 0076	<	<	<	<	<	<	<
.37	CHANNEL, ASSY - ROOF FRAME	1	03228462 0055	<	<	<	<	<	<	<
.38	PANEL, ASSY - CONTROL CENTER TOP	1	03660848 0164	<	<	<	<	<	<	<
.39	ANGLE, MOTOR SIDE ATTACHING	1	01663710 0159	<	<	<	<	<	<	<
REVISIONS:			M1158L							

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* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



JOY MANUFACTURING COMPANY

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

REFERENCE DRAWING NO. GD-339

PAGE 2 OF 2

ENCLOSURE AND MOUNTING PARTS

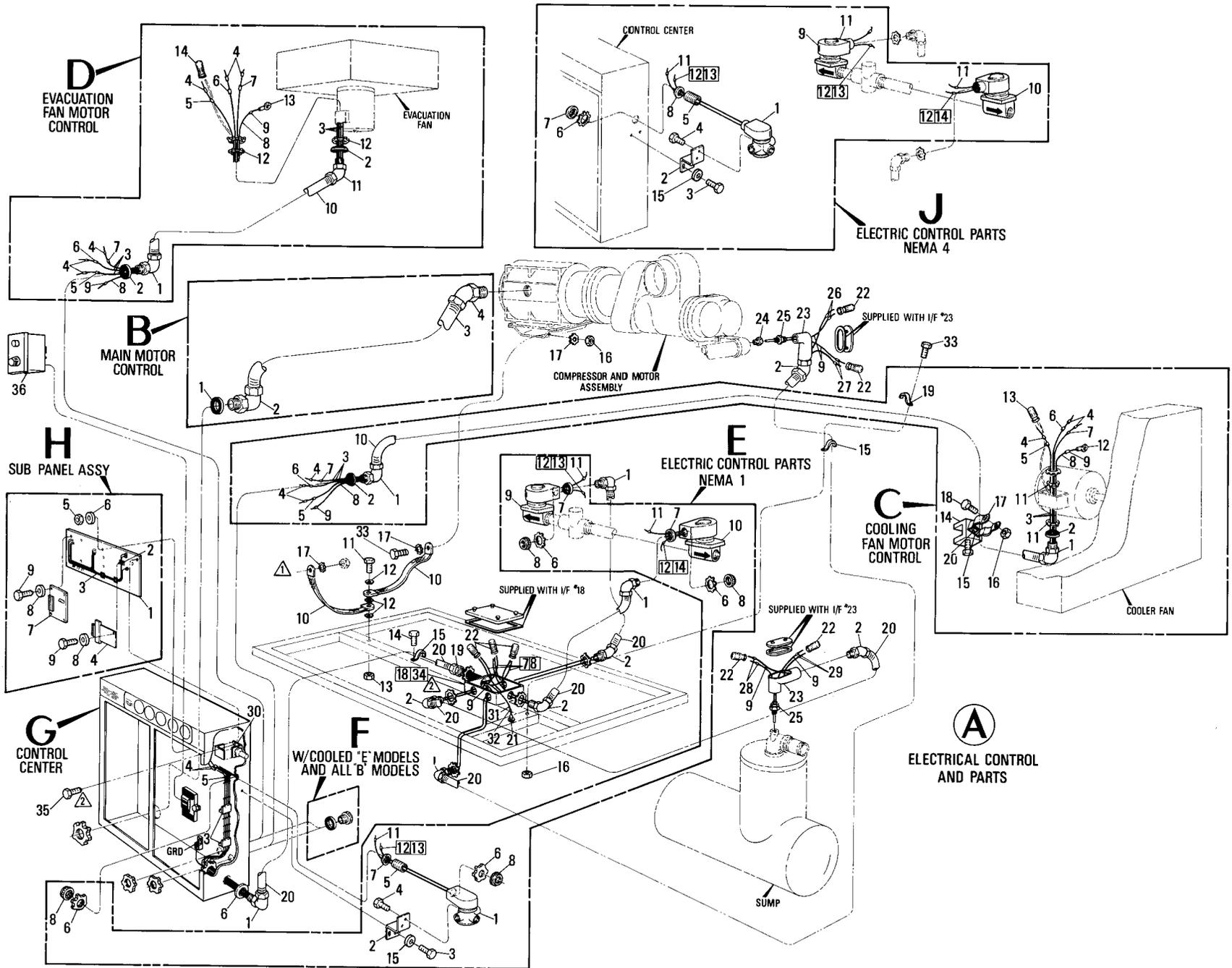
REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.							
.40	PANEL, ASSY-CONTROL CENTER END	1	00543322 0109	<	<	<	<	<	<	<
.41	SUPPORT, MOTOR END ROOF FRAME	1	01661806 0256	<	<	<	<	<	<	<
.42	PANEL, ASSY - MOTOR END	1	00543322 0110	<	<	<	<	<	<	<
.43	NUT, SPEED GRIP 5/16	1	00910350 0004	<	<	<	<	<	<	<
.44	PANEL, MOTOR CORNER	1	01663769 0612	<	<	<	<	<	<	<
.45	PANEL, ASSY - MOTOR SIDE	1	00543322 0111	<	<	<	<	<	<	<
.46	SUPPORT, ASSY - MOTOR SIDE ROOF	1	03663693 0436	<	<	<	<	<	<	<
.47	LATCH, FLUSH DOOR	8	00543304 0017	<	<	<	<	<	<	<
B	FAN ASSEMBLY (460V)	1	00543224 0094	<	<	<	<	<	<	<
B	FAN ASSEMBLY (575V)	1	00543224 0095	<	<	<	<	<	<	<
	MISCELLANEOUS PARTS AND DECALS									
*	DECAL, MACHINE CLASS	1	01661700 0084	01661700 0095	01661700 0096	01661700 0088	01661700 0097	01661700 0098	01661700 0091	01661700 0099
*	DECAL, TWISTAIR (B)	1	01661700 0079	<	<	<	<	<	<	<
*	DECAL, TWISTAIR (E)	2	01661700 0079	<	<	<	<	<	<	<
*	DECAL, DANGER-BREATHING(W/AFTERCOOLER)	2	01228378 0057	<	<	<	<	<	<	<
*	DECAL, DANGER-BREATHING(LESS AFTCLR.)	1	01228378 0057	<	<	<	<	<	<	<
*	DECAL, DANGER - PRESSURE	1	01228378 0058	<	<	<	<	<	<	<
*	DECAL, CAUTION-LIFTING	1	01228378 0059	<	<	<	<	<	<	<
*	DECAL, STRIPING (E) (FT)	14	00818108	<	<	<	<	<	<	<
*	DECAL, WARNING - ELECTRIC	1	01228378 0061	<	<	<	<	<	<	<
*	DECAL, WARNING - MANUAL	1	01228378 0062	<	<	<	<	<	<	<
*	DECAL, CAUTION-ROTATION (B) AIRCOOLED	1	01228378 0063	<	<	<	<	<	<	<
*	DECAL, CAUTION-ROTATION (E) (W/C)	1	01228378 0063	<	<	<	<	<	<	<
*	DECAL, CAUTION-ROTATION (E) AIRCOOLED	2	01228378 0063	<	<	<	<	<	<	<
*	DEFAL, CAUTION - SPARE PARTS	1	01228378 0065	<	<	<	<	<	<	<
*	DECAL, NOTICE - LUBRICANT	1	01228378 0066	<	<	<	<	<	<	<
*	PLATE, IDENTIFICATION	1	01663832 0046	<	<	<	<	<	<	<
*	RIVET, POP	2	00910270 0001	<	<	<	<	<	<	<
*	PLATE, JOY WORLD - REG. TM (B)	1	01663844 0011	<	<	<	<	<	<	<
*	PLATE, JOY WORLD - REG. TM (E)	2	01663844 0011	<	<	<	<	<	<	<
*	DECAL, NOTICE - PLUGS (W/C)	1	01228378 0060	<	<	<	<	<	<	<
*	DECAL, WATER IN (W/C)	1	01228175 0036	<	<	<	<	<	<	<
*	DECAL, WATER DISCHARGE (W/C)	1	01228175 0037	<	<	<	<	<	<	<
*	KIT, MAINTENANCE - OIL TESTING	1	00701701 0376	<	<	<	<	<	<	<
*	SEPARATOR, MOISTURE & TRAP (AFTERCOOLED MACHINES ONLY)	1	00543275 0006	00543275 0011	<	<	<	<	<	<

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REVISIONS:	M1158L									
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* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



Drawing No. GD-340
 Electrical Control and Parts



REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
A	CONTROL, AND PARTS ELECTRICAL		00707101 2069	<	<	<	<	<	<	<
.1	CONNECTOR, 90° ELBOW - 1/2	4	00600704 0263	<	<	<	<	<	<	<
.2	CONNECTOR, 45° ELBOW - 1/2	5	00600704 0255	<	<	<	<	<	<	<
.3	MOUNT, ANCHOR - ADHESIVE BACK	4	00600704 0351	<	<	<	<	<	<	<
.4	SPLICE, INSULATED BUTT	2	00600704 0353	<	<	<	<	<	<	<
.5	TIE, TY-RAP	15	00600704 0343	<	<	<	<	<	<	<
.6	GASKET, ASSY - 1/2	1	00600704 0269	<	<	<	<	<	<	<
.7	WIRE, #16 RED (FT)	10	00600750 0015	<	<	<	<	<	<	<
.8	WIRE, #16 WHITE (FT)	5	00600750 0018	<	<	<	<	<	<	<
.9	WIRE, #16 BLUE (FT)	38	00600750 0019	<	<	<	<	<	<	<
.10	STRAP, GROUND	2	01760404 0044	<	<	<	<	<	<	<
.11	SCREW, CAP HEX HD 3/8 X 1 1/4	1	00900012 0023	<	<	<	<	<	<	<
.12	WASHER, LOCK EXT/INT TOOTH - 3/8	3	00905631 0020	<	<	<	<	<	<	<
.13	NUT, ELASTIC STOP -3/8	1	00900490 0052	<	<	<	<	<	<	<
.14	SCREW, CAP HEX HD 1/4 X 1/2	1	00900012 0387	<	<	<	<	<	<	<
.15	CLAMP, CONDUIT - 1/2	2	00600704 0559	<	<	<	<	<	<	<
.16	NUT, ELASTIC STOP - 1/4	2	00900490 0050	<	<	<	<	<	<	<
.17	WASHER, LOCK EXT/INT TOOTH - 1/4	3	00900317 0002	<	<	<	<	<	<	<
.18	BOX, CONDUIT	1	00600704 0567	<	<	<	<	<	<	<
.19	CONNECTOR, STRAIGHT - 1/2	1	00600704 0247	<	<	<	<	<	<	<
.20	CONDUIT, FLEXIBLE - 1/2 (FT)	15	00600702 0014	<	<	<	<	<	<	<
.21	TERMINAL, #10 RING TONGUE	1	00600740 0005	<	<	<	<	<	<	<
.22	CONNECTOR, ELEC SPRING	7	00600704 0447	<	<	<	<	<	<	<
.23	ELBOW, CONDUIT - 1/2	2	00600704 0557	<	<	<	<	<	<	<
.24	BUSHING, REDUCING 1/2 X 1/4	2	00901167 0005	<	<	<	<	<	<	<
.25	PROBE	2	00600715 0354	<	<	<	<	<	<	<
.26	MARKER, WIRE NO. 21 (FT)	.2	00600714 1289	<	<	<	<	<	<	<
.27	MARKER, WIRE NO. 23 (FT)	.2	00600714 1291	<	<	<	<	<	<	<
.28	MARKER, WIRE NO. 20 (FT)	.2	00600714 1288	<	<	<	<	<	<	<
.29	MARKER, WIRE NO. 22 (FT)	.2	00600714 1290	<	<	<	<	<	<	<
.30	SWITCH, PRESSURE	1	00600713 0347	<	<	<	<	<	<	<
.31	WIRE, #16 GREEN (FT)	5	00600750 0020	<	<	<	<	<	<	<
.32	MARKER, WIRE GND	1	00600714 1119	<	<	<	<	<	<	<
.33	SCREW, CAP HEX HD 1/4 X 1	2	00900012 0011	<	<	<	<	<	<	<
.34	SCREW, RD HD MACH 1/4 X 1/2	2	00900335 0493	<	<	<	<	<	<	<
.35	SCREW, THD FORMING 1/4 X 1/2	2	00913792 0038	<	<	<	<	<	<	<
.36	RELAY, TIMER	1	00600726 0231	<	<	<	<	<	<	<
B	CONTROL, MAIN MOTOR		00707116 0150	<	<	<	<	<	<	<
.1	GASKET, ASSY - 1/2	1	00600704 0274	<	<	<	<	<	<	<

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REVISIONS : M1178L

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



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REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.2	CONNECTOR, 90° ELBOW - 2-1/2	1	00600704 0489	<	<	<	<	<	<	<
.3	CONDUIT, FLEXIBLE - 2-1/2 (FT.)	3.3	00600702 0019	<	<	<	<	<	<	<
.4	CONNECTOR, 45° ELBOW - 2-1/2	1	00600704 0260	<	<	<	<	<	<	<
C	CONTROL, COOLER FAN MOTOR		00707117 0008	<	<	<	<	<	<	<
.1	CONNECTOR, 90° ELBOW - 1/2	2	00600704 0263	<	<	<	<	<	<	<
.2	GASKET, ASSEMBLY - 1/2	2	00600704 0269	<	<	<	<	<	<	<
.3	WIRE, #14 BLACK (FT.)	38	00600750 0023	<	<	<	<	<	<	<
.4	MARKER, WIRE NO. 3 (FT.)	.6	00600714 1248	<	<	<	<	<	<	<
.5	MARKER, WIRE NO. T1 (FT.)	.2	00600714 1251	<	<	<	<	<	<	<
.6	MARKER, WIRE NO. T2 (FT.)	.2	00600714 1252	<	<	<	<	<	<	<
.7	MARKER, WIRE NO. T3 (FT.)	.2	00600714 1253	<	<	<	<	<	<	<
.8	WIRE, #16 GREEN (FT.)	11	00600750 0020	<	<	<	<	<	<	<
.9	MARKER, WIRE GND	1	00600714 1119	<	<	<	<	<	<	<
.10	CONDUIT, FLEXIBLE - 1/2 (FT.)	10	00600702 0014	<	<	<	<	<	<	<
.11	WASHER, REDUCING - 3/4 X 1/2	2	00600692 0003	<	<	<	<	<	<	<
.12	TERMINAL, 1/4 RING TONGUE	1	00600740 0006	<	<	<	<	<	<	<
.13	CONNECTOR, ELEC. SPRING	6	00600704 0447	<	<	<	<	<	<	<
.14	CLAMP, BEAM	1	00600704 0407	<	<	<	<	<	<	<
.15	SCREW, PAN HD. MACHINE - 1/4 X 3/8	1	00905850 0028	<	<	<	<	<	<	<
.16	NUT, ELASTIC STOP - 1/4	1	00900490 0050	<	<	<	<	<	<	<
.17	HANGER, CONDUIT	1	00908402 0001	<	<	<	<	<	<	<
.18	SCREW, CAP HEX HD. - 1/4 X 1	1	00900012 0011	<	<	<	<	<	<	<
.19	CLAMP, CONDUIT - 1/2	1	00600704 0559	<	<	<	<	<	<	<
.20	WASHER, LOCK EXT./INT. TOOTH - 1/4	1	00905631 0013	<	<	<	<	<	<	<
D	CONTROL, EVACUATION FAN MOTOR		00707117 0009	<	<	<	<	<	<	<
.1	CONNECTOR, 90° ELBOW - 1/2	1	00600704 0263	<	<	<	<	<	<	<
.2	GASKET, ASSEMBLY - 1/2	2	00600704 0269	<	<	<	<	<	<	<
.3	WIRE, #14 BLACK (FT.)	32	00600750 0023	<	<	<	<	<	<	<
.4	MARKER, WIRE NO. 2 (FT.)	.6	00600714 1247	<	<	<	<	<	<	<
.5	MARKER, WIRE NO. T1 (FT.)	.2	00600714 1251	<	<	<	<	<	<	<
.6	MARKER, WIRE NO. T2 (FT.)	.2	00600714 1252	<	<	<	<	<	<	<
.7	MARKER, WIRE NO. T3 (FT.)	.2	00600714 1253	<	<	<	<	<	<	<
.8	WIRE, #16 GREEN (FT.)	9	00600750 0020	<	<	<	<	<	<	<
.9	MARKER, WIRE GND	1	00600714 1119	<	<	<	<	<	<	<
.10	CONDUIT, FLEXIBLE - 1/2 (FT.)	10	00600702 0014	<	<	<	<	<	<	<
.11	CONNECTOR, 45° ELBOW - 1/2	1	00600704 0255	<	<	<	<	<	<	<
.12	WASHER, REDUCING - 3/4 X 1/2	2	00600692 0003	<	<	<	<	<	<	<
.13	TERMINAL, #10 RING TONGUE	1	00600740 0005	<	<	<	<	<	<	<
REVISIONS:			M1178L							

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



JOY MANUFACTURING COMPANY

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

REFERENCE DRAWING NO. GD-340

PAGE 3 OF 4

ELECTRICAL CONTROL AND PARTS

REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
.14	CONNECTOR, ELEC. SPRING	6	00600704 0447	<	<	<	<	<	<	<
E	STANDARD NEMA 12 PARTS									
.1	VALVE, SOLENOID 3-WAY	1	00600704 0245	<	<	<	<	<	<	<
.2	BRACKET, SOLENOID VALVE	1	01663798 0122	<	<	<	<	<	<	<
.3	SCREW, THD. FORMING - 1/4 X 1/2	2	00913792 0038	<	<	<	<	<	<	<
.4	SCREW, PAN HD. SELF-TAP - #8 X 1/4	2	00905827 0021	<	<	<	<	<	<	<
.5	NIPPLE, CONDUIT - 1/2 CLOSE	1	00600704 0385	<	<	<	<	<	<	<
.6	NUT, ELEC. LOCK - 1/2	4	00901402 0001	<	<	<	<	<	<	<
.7	GASKET, ASSEMBLY - 1/2	3	00600704 0269	<	<	<	<	<	<	<
.8	BUSHING, INSULATED CONDUIT - 1/2	4	00600704 0286	<	<	<	<	<	<	<
.9	VALVE, SOLENOID 2-WAY	1	00600734 0163	<	<	<	<	<	<	<
.10	VALVE, SOLENOID 2-WAY	1	00600734 0238	<	<	<	<	<	<	<
.11	MARKER, WIRE NO. 2 (FT.)	.6	00600714 1247	<	<	<	<	<	<	<
.12	MARKER, WIRE NO. 9 (FT.)	.6	00600714 1294	<	<	<	<	<	<	<
.13	MARKER, WIRE B (FT.)	.4	00600714 1398	<	<	<	<	<	<	<
.14	MARKER, WIRE C (FT.)	.2	00600714 1399	<	<	<	<	<	<	<
.15	WASHER, PLAIN - 1/4	2	00900317 0002	<	<	<	<	<	<	<
F	PLUG, HOLE - BASE MODELS (A/C)	1	00600704 0517	<	<	<	<	<	<	<
F	PLUG, HOLE - BASE MODELS (W/C)	2	00600704 0517	<	<	<	<	<	<	<
F	PLUG, HOLE - ENCLOSED MODELS (W/C)	1	00600704 0517	<	<	<	<	<	<	<
G	FULL VOLTAGE MAGNETIC STARTER									
	CONTROL CENTER - NEMA 12 (460,575 V.)	1	00527070 1329	<	<	<	<	<	<	<
	CONTROL CENTER - NEMA 4 (460,575 V.)	1	00527070 1334	<	<	<	<	<	<	<
	WYE-DELTA STARTER									
G	CONTROL CENTER - NEMA 12 (460,575 V.)	1	00527070 1331	<	<	<	<	<	<	<
G	CONTROL CENTER - NEMA 4 (460,575 V.)	1	00527070 1336	<	<	<	<	<	<	<
G	AUTO-TRANSFORMER STARTER									
	CONTROL CENTER - NEMA 12 (460,575 V.)	1	00527070 1332	<	<	<	<	<	<	<
G	REMOTE STARTER									
	CONTROL CENTER - NEMA 12 (460,575,2300,4160 V.)	1	00527070 1330	<	<	<	<	<	<	<
G	CONTROL CENTER - NEMA 4 (460,575,2300,4160 V.)	1	00527070 1335	<	<	<	<	<	<	<
	[REFER TO PAGES 47 AND 48 FOR INTERNAL PARTS BREAKDOWN.]									
REVISIONS:		M1178L								

* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER

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ELECTRICAL CONTROL AND PARTS

REF. NO.	DESCRIPTION	QTY.	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
H	ELECTRICAL SUB-PANEL ASSEMBLY									
.1	PANEL, ELECTRICAL SUB	1	00543433 0004	<	<	<	<	<	<	<
.2	MOUNT, ANCHOR-ADHESIVE BACK	3	01663769 0615	<	<	<	<	<	<	<
.3	HARNES, WIRING	1	00600704 0351	<	<	<	<	<	<	<
			00519036 0174	<	<	<	<	<	<	<
.4	RELAY, TIME DELAY	1	00600726 0239	<	<	<	<	<	<	<
.5	NUT, HEX - 3/8	1	00900160 0004	<	<	<	<	<	<	<
.6	WASHER, LOCK - 3/8	1	00900302 0003	<	<	<	<	<	<	<
.7	SWTICH, ELEC. TEMPERATURE	1	00600715 0401	<	<	<	<	<	<	<
.8	WASHER, LOCK - #8 INT. TOOTH	8	00900610 0003	<	<	<	<	<	<	<
.9	SCREW, RD. HD. SELF TAP - #6 X 5/8	8	00901548 0031	<	<	<	<	<	<	<
J	STANDARD NEMA 4 PARTS									
.1	VALVE, SOLENOID 3-WAY	1	00600734 0224	<	<	<	<	<	<	<
.2	BRACKET, SOLENOID VALVE	1	01663798 0123	<	<	<	<	<	<	<
.3	SCREW, RD. HD. MACHINE - #12 X 1-1/4	2	00900333 0208	<	<	<	<	<	<	<
.4	SCREW, PAN HD. SELF TAP - #8 X 1/4	2	00905827 0021	<	<	<	<	<	<	<
.5	NIPPLE, CONDUIT - 1/2 CLOSE	1	00600704 0385	<	<	<	<	<	<	<
.6	NUT, ELEC. LOCK - 1/2	1	00901402 0001	<	<	<	<	<	<	<
.7	GASKET, ASSEMBLY - 1/2	1	00600704 0269	<	<	<	<	<	<	<
.8	BUSHING, INSULATED CONDUIT - 1/2	1	00600704 0286	<	<	<	<	<	<	<
.9	VALVE, SOLENOID 2-WAY	1	00600734 0217	<	<	<	<	<	<	<
.10	VALVE, SOLENOID 2-WAY	1	00600734 0244	<	<	<	<	<	<	<
.11	MARKER, WIRE NO. 2 (FT.)	.6	00600714 1247	<	<	<	<	<	<	<
.12	MARKER, WIRE NO. 9 (FT.)	.6	00600714 1294	<	<	<	<	<	<	<
.13	MARKER, WIRE B (FT.)	.4	00600714 1398	<	<	<	<	<	<	<
.14	MARKER, WIRE C (FT.)	.2	00600714 1399	<	<	<	<	<	<	<
.15	WASHER, PLAIN - 3/16	2	00900317 0001	<	<	<	<	<	<	<
REVISIONS:			M1178L							

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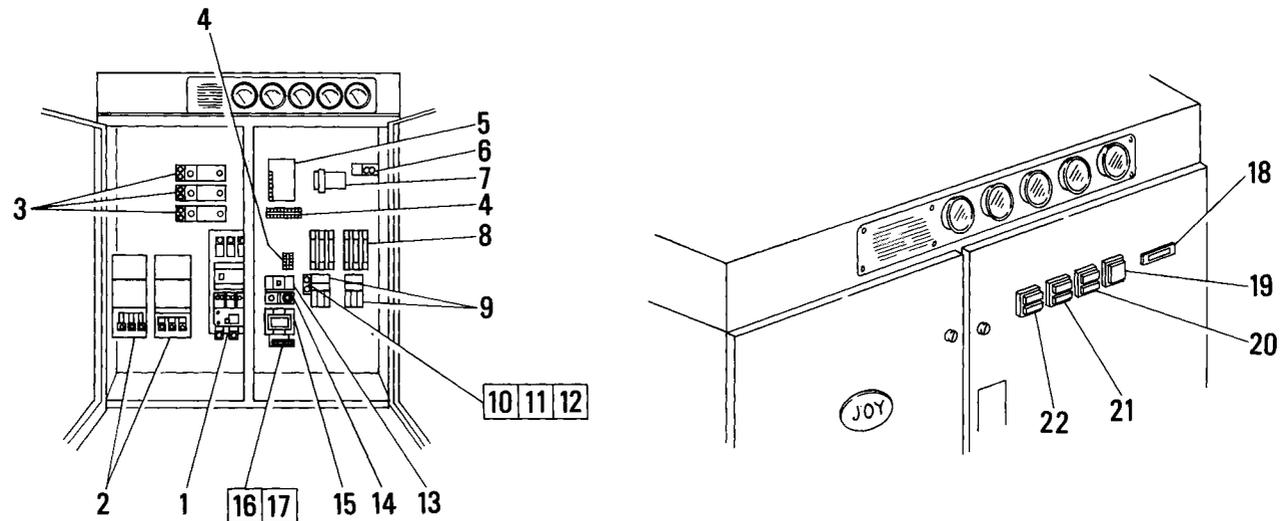
* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



LEGEND: FVM = FULL VOLTAGE MAGNETIC STARTER; Y-Δ = WYE DELTA STARTER; REM = REMOTE STARTER

DESCRIPTION	TA-1225	TA-1325	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750	
	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
NEMA 12									
CONT. CTR. (FVM)(460,575 V)	00527070 1329	<	<	<	<	<	<	<	
CONT. CTR. (Y-Δ)(460,575 V)	00527070 1331	<	<	<	<	<	<	<	
CONT. CTR. (REM)(ALL VOLTS)	00527070 1330	<	<	<	<	<	<	<	
NEMA 4									
CONT. CTR. (FVM)(460,575 V)	00527070 1334	<	<	<	<	<	<	<	
CONT. CTR. (Y-Δ)(460,575 V)	00527070 1336	<	<	<	<	<	<	<	
CONT. CTR. (REM)(ALL VOLTS)	00527070 1335	<	<	<	<	<	<	<	



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ITEM FIND	DESCRIPTION	QTY.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
	CONTROL CENTER	NEMA 12 NEMA 4	00527070 1329 00527070 1334	00527070 1331 00527070 1336	00527070 1330 00527070 1335			
.1	STARTER, MAIN MOTOR	1	00526399 0532	00526399 0531				
.2	CONTACTOR, WYE-DELTA	2		00526399 0534				
.3	LUG, POWER	1		00600714 1400				
.4	BOARD, TERMINAL	8	00600714 1307	<	<			
.5	RELAY, TIME DELAY	1	00600726 0239	<	<			
.6	SWITCH, AIR PRESSURE	1	00600713 0347	<	<			
.7	SWITCH, ELEC. TEMPERATURE	1	00600715 0401	<	<			
.8	HOLDER, FUSE	1	00600714 1306	<	<			

REVISIONS:	M1162L								
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* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



ITEM FIND	DESCRIPTION	QTY.	PART NO.						
			PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	
.9	STARTER, COOLER AND FAN MOTOR	2	00526399 0442	<	<				
.10	HOLDER, FUSE	1	00600714 1393	<	<				
.11	HOLDER, FUSE WITH MTG. PLATE	1	00600714 1394	<	<				
.12	FUSE	1	00600751 0086	<	<				
.13	RELAY, CONTROL	1	00600744 0245	<	<				
.14	RELAY, TIMER	1	00600726 0231	<	<				
*	SOCKET, RELAY	1	00600714 1188	<	<				
.15	TRANSFORMER	1	00600716 0103	<	<				
.16	HOLDER, FUSE	1	00600714 1329	<	<				
.17	FUSE	1	00600751 0022	<	<				
.18	HOURLMETER	1	00600735 0103	<	<				
.19	LIGHT, HIGH AIR TEMPERATURE	1	00600701 0642	<	<				
*	LIGHT, INDICATING	1	00600701 0515	<	<				
*	LENS, RED (HIGH AIR TEMPERATURE)	1	00600701 0627	<	<				
.20	BUTTON, LOAD-UNLOAD	1	00600701 0670	<	<				
*	BLOCK, CONTACT	1	00600701 0533	<	<				
*	SWITCH, SELECTOR	1	00600701 0512	<	<				
*	BUTTON, LOAD	1	00600701 0669	<	<				
*	BUTTON, UNLOAD	1	00600701 0523	<	<				
.21	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	<	<				
.22	BUTTON, GREEN-RUN	1	00600701 0640	<	<				
*	BLOCK, CONTACT	1	00600701 0533	<	<				
*	PUSHBUTTON, START	1	00600701 0518	<	<				
*	LIGHT, INDICATING	1	00600701 0514	<	<				
*	LENS, GREEN (RUN)	1	00600701 0628	<	<				

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REVISIONS:	M1162L																			
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MC-2484
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* NOT ILLUSTRATED

< IDENTICAL TO PRECEDING PART NUMBER



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

PAGE NO.	DESCRIPTION	TA-990	TA-1025	TA-1150	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 0384	<	<	1	2	3	4
3	KIT, INLET VALVE MAINTENANCE	H0701701 0387	<	<	0	1	2	3
4	ELEMENT, AIR FILTER	00527693 0031	<	<	1	3	6	9
4	INDICATOR, AIR CLEANER	00519520 0004	<	<	0	1	2	3
7	EXCHANGER, HEAT - OIL COOLER (A/C)	00543305 0101	<	<	0	0	0	1
7	EXCHANGER, HEAT - AFTERCOOLER (A/C)	00543305 0102	<	<	0	0	0	1
8	EXCHANGER, HEAT - OIL COOLER (W/C)	00543305 0106	<	<	0	0	0	1
8	KIT, GASKET (OIL COOLER W/C.I.ENDS) (W/C)	00701701 0152	<	<	0	1	2	3
8	KIT, GASKET (OIL COOLER W/STL. ENDS) (W/C)	00701701 0386	<	<	0	1	2	3
8	EXCHANGER, HEAT-AFTERCOOLER (W/C)	00543305 0105	<	<	0	0	0	1
8	KIT, GASKET (AFTERCOOLER W/C.I. ENDS)(W/C)	00701701 0151	<	<	0	1	2	3
8	KIT, GASKET (AFTERCOOLER W/STL. ENDS)(W/C)	00701701 0385	<	<	0	1	2	3
9	GASKET, 2" COUPLING	00910068 0007	<	<	2	4	6	8
11	GASKET, 6" COUPLING	00910068 0009	<	<	2	4	6	8
11	KIT, THERMOSTATIC VALVE REPAIR	00701601 0752	<	<	0	1	2	3
11	TUBING, CLEAR (FT)	00910086	<	<	0	4	8	12
11	KIT, MINIMUM PRESSURE VALVE REPAIR	00701701 0383	<	<	1	2	3	4
12	KIT, CONTROL VALVE REPAIR	00701701 0287	<	<	1	2	3	4
12	GLASS, SIGHT	00519108 0010	<	<	1	2	2	3
12	PACKING, O-RING	00903226 0024	<	<	1	2	3	4
12	SEPARATOR, SUMP	00543117 0052	<	<	1	2	3	4
13	INDICATOR, DIFFERENTIAL PRESSURE	00543255	<	<	0	1	2	3
13	VALVE, SAFETY	0A200004 0056	<	<	0	1	1	2
13	KIT, OIL FILTER ELEMENT	00701701 0275	<	<	1	2	3	4
13	GAUGE, PRESSURE	00519100 0022	<	<	1	2	3	4
13	GAUGE, TEMPERATURE	00519100 0023	<	<	0	1	2	3
13	GAUGE, TEMPERATURE ("J" OPTION ONLY)	00519100 0024	<	<	0	1	2	3
19	PROBE	00600715 0354	<	<	0	2	4	6
19	SWITCH, PRESSURE	00600713 0347	<	<	0	1	2	3
19	RELAY, TIMER	00600726 0231	<	<	0	1	1	2
21	VALVE, SOLENOID 3-WAY	00600734 0245	<	<	0	1	2	3
21	VALVE, SOLENOID 2-WAY	00600734 0163	<	<	0	1	2	3
21	VALVE, SOLENOID 2-WAY	00600734 0238	<	<	0	1	2	3
22	RELAY, TIME DELAY	00600726 0239	<	<	0	1	1	2
22	SWITCH, ELEC. TEMPERATURE	00600715 0401	<	<	0	1	1	2

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

PAGE NO.	DESCRIPTION	TA-1225	TA-1250	TA-1325	SUGGESTED STOCK QUANTITIES FOR			
		PART NO.	PART NO.	PART NO.	1 UNIT	2 TO 5 UNITS	6 TO 9 UNITS	10 & OVER UNITS
3 & 27	KIT, SHAFT SEAL MAINTENANCE	H0701701 0384	<	<	1	2	3	4
3 & 27	KIT, INLET VALVE MAINTENANCE	H0701701 0387	<	<	0	1	2	3
4 & 28	ELEMENT, AIR FILTER	00527693 0031	<	<	1	3	6	9
4 & 28	INDICATOR, AIR CLEANER	00519520 0004	<	<	0	1	2	3
7 & 31	EXCHANGER, HEAT - OIL COOLER (A/C)	00543305 0103	00543305 0101	00543305 0103	0	0	0	1
7 & 31	EXCHANGER, HEAT - AFTERCOOLER (A/C)	00543305 0104	00543305 0102	00543305 0104	0	0	0	1
8 & 32	EXCHANGER, HEAT - OIL COOLER (W/C)	00543305 0106	<	00543305 0109	0	0	0	1
8 & 32	KIT, GASKET (OIL COOLER W/C.I. ENDS) (W/C)	00701701 0152	<	<	0	1	2	3
8 & 32	KIT, GASKET (OIL COOLER W/STL. ENDS) (W/C)	00701701 0386	<	<	0	1	2	3
8 & 32	EXCHANGER, HEAT - AFTERCOOLER (W/C)	00543305 0107	00543305 0105	00543305 0108	0	0	0	1
8 & 32	KIT, GASKET (AFTERCOOLER W/C.I. ENDS) (W/C)	00701701 0151	<	00701701 0152	0	1	2	3
8 & 32	KIT, GASKET (AFTERCOOLER W/STL ENDS) (W/C)	00701701 0385	<	00701701 0386	0	1	2	3
9 & 33	GASKET, 2" COUPLING	00910068 0007	<	<	2	4	6	8
11 & 35	GASKET, 6" COUPLING	00910068 0009	<	<	2	4	6	8
11 & 35	KIT, THERMOSTATIC VALVE REPAIR	00701601 0752	<	<	0	1	2	3
11 & 35	TUBING, CLEAR (FT)	00910086	<	<	0	4	8	12
11 & 35	KIT, MINIMUM PRESSURE VALVE REPAIR	00701701 0383	<	<	1	2	3	4
12 & 36	KIT, CONTROL VALVE REPAIR	00701701 0387	<	<	1	2	3	4
12 & 36	GLASS, SIGHT	00519108 0010	<	<	1	2	2	3
12 & 36	PACKING, O-RING	00903226 0024	<	<	1	2	3	4
12 & 36	SEPARATOR, SUMP	00543117 0053	00543117 0052	00543117 0053	1	2	3	4
13 & 37	INDICATOR, DIFFERENTIAL PRESSURE	00543255	<	<	0	1	2	3
13 & 37	VALVE, SAFETY	0A200004 0056	<	<	0	1	1	2
13	KIT, OIL FILTER ELEMENT		00701701 0275		1	2	3	4
37	KIT, OIL FILTER ELEMENT	00701701 0275		00701701 0275	2	4	6	8
37	GASKET, 1 1/2 COUPLING	00910068 0006		00910068 0006	2	4	6	8
13 & 37	GAUGE, PRESSURE	00519100 0022	<	<	1	2	3	4
13 & 37	GAUGE, TEMPERATURE	00519100 0023	<	<	0	1	2	3
13 & 37	GAUGE, TEMPERATURE ("J" OPTION ONLY)	00519100 0024	<	<	0	1	2	3
19 & 43	PROBE	00600715 0354	<	<	0	2	4	6
19 & 43	SWITCH, PRESSURE	00600713 0347	<	<	0	1	2	3
19 & 43	RELAY, TIMER	00600726 0231	<	<	0	1	1	2
21 & 45	VALVE, SOLENOID 3-WAY	00600734 0245	<	<	0	1	2	3
21 & 45	VALVE, SOLENOID 2-WAY	00600734 0163	<	<	0	1	2	3
21 & 45	VALVE, SOLENOID 2-WAY	00600734 0238	<	<	0	1	2	3
22 & 46	RELAY, TIME DELAY	00600726 0239	<	<	0	1	1	2
22 & 46	SWITCH, ELEC. TEMPERATURE	00600715 0401	<	<	0	1	1	2

REVISIONS:

< IDENTICAL TO PRECEDING PART NUMBER



RECOMMENDED SPARES

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

PAGE NO.	DESCRIPTION	TA-1350	TA-1500	TA-1575	SUGGESTED STOCK QUANTITIES FOR			
		PART NO.	PART NO.	PART NO.	1 UNIT	2 TO 5 UNITS	6 TO 9 UNITS	10 & OVER UNITS
27	KIT, SHAFT SEAL MAINTENANCE	H0701701 0384	<	<	1	2	3	4
27	KIT, INLET VALVE MAINTENANCE	H0701701 0387	<	<	0	1	2	3
28	ELEMENT, AIR FILTER	00527693 0031	<	<	1	3	6	9
28	INDICATOR, AIR CLEANER	00519520 0004	<	<	0	1	2	3
31	EXCHANGER, HEAT - OIL COOLER (A/C)	00543305 0103	<	<	0	0	0	1
31	EXCHANGER, HEAT - AFTERCOOLER (A/C)	00543305 0104	<	<	0	0	0	1
32	EXCHANGER, HEAT - OIL COOLER (W/C)	00543305 0106	<	00543305 0109	0	0	0	1
32	KIT, GASKET (OIL COOLER W/ C.I. ENDS)(W/C)	00701701 0152	<	<	0	1	2	3
32	KIT, GASKET (OIL COOLER W/ STL. ENDS)(W/C)	00701701 0386	<	<	0	1	2	3
32	EXCHANGER, HEAT - AFTERCOOLER (W/C)	00543305 0107	<	00543305 0108	0	0	0	1
32	KIT, GASKET (AFTERCOOLER W/C.I. ENDS)(W/C)	00701701 0151	<	00701701 0152	0	1	2	3
32	KIT, GASKET (AFTERCOOLER W/STL. ENDS)(W/C)	00701701 0385	<	00701701 0386	0	1	2	3
33	GASKET, 2" COUPLING	00910068 0007	<	<	2	4	6	8
35	GASKET, 6" COUPLING	00910068 0009	<	<	2	4	6	8
35	KIT, THERMOSTATIC VALVE REPAIR	00701601 0752	<	<	0	1	2	3
35	TUBING, CLEAR (FT.)	00910086	<	<	0	4	8	12
35	KIT, MINIMUM PRESSURE VALVE REPAIR	00701701 0383	<	<	1	2	3	4
36	KIT, CONTROL VALVE REPAIR	00701701 0387	<	<	1	2	3	4
36	GLASS, SIGHT	00519108 0010	<	<	1	2	2	3
36	PACKING, O-RING	00903226 0024	<	<	1	2	3	4
36	SEPARATOR, SUMP	00543117 0053	<	<	1	2	3	4
37	INDICATOR, DIFFERENTIAL PRESSURE	00543255	<	<	0	1	2	3
37	VALVE, SAFETY	0A200004 0056	<	<	0	1	1	2
37	KIT, OIL FILTER ELEMENT	00701701 0275	<	<	2	4	6	8
37	GASKET, 1-1/2 COUPLING	00910068 0006	<	<	2	4	6	8
37	GAUGE, PRESSURE	00519100 0022	<	<	1	2	3	4
37	GAUGE, TEMPERATURE	00519100 0023	<	<	0	1	2	3
37	GAUGE, TEMPERATURE ("J" OPTION ONLY)	00519100 0024	<	<	0	1	2	3
43	PROBE	00600715 0354	<	<	0	2	4	6
43	SWITCH, PRESSURE	00600713 0347	<	<	0	1	2	3
43	RELAY, TIMER	00600726 0231	<	<	0	1	1	2
45	VALVE, SOLENOID 3-WAY	00600734 0245	<	<	0	1	2	3
45	VALVE, SOLENOID 2-WAY	00600734 0163	<	<	0	1	2	3
45	VALVE, SOLENOID 2-WAY	00600734 0238	<	<	0	1	2	3
46	RELAY, TIME DELAY	00600726 0239	<	<	0	1	1	2
46	SWITCH, ELEC. TEMPERATURE	00600715 0401	<	<	0	1	1	2

REVISIONS:														
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RECOMMENDED SPARES

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

PAGE NO.	DESCRIPTION	TA-1600	TA-1700	TA-1750	SUGGESTED STOCK QUANTITIES FOR			
		PART NO.	PART NO.	PART NO.	1 UNIT	2 TO 5 UNITS	6 TO 9 UNITS	10 & OVER UNITS
27	KIT, SHAFT SEAL MAINTENANCE	H0701701 0384	<	<	1	2	3	4
27	KIT, INLET VALVE MAINTENANCE	H0701701 0387	<	<	0	1	2	3
28	ELEMENT, AIR FILTER	00527693 0031	<	<	1	3	6	9
28	INDICATOR, AIR CLEANER	00519520 0004	<	<	0	1	2	3
31	EXCHANGER, HEAT - OIL COOLER (A/C)	00543305 0103	<	<	0	0	0	1
31	EXCHANGER, HEAT - AFTERCOOLER (A/C)	00543305 0104	<	<	0	0	0	1
32	EXCHANGER, HEAT - OIL COOLER (W/C)	00543305 0109	<	<	0	0	0	1
32	KIT, GASKET (OIL COOLER W/ C.I. ENDS)(W/C)	00701701 0152	<	<	0	1	2	3
32	KIT, GASKET (OIL COOLER W/ STL. ENDS)(W/C)	00701701 0386	<	<	0	1	2	3
32	EXCHANGER, HEAT - AFTERCOOLER (W/C)	00543305 0108	<	<	0	0	0	1
32	KIT, GASKET (AFTERCOOLER W/C.I. ENDS)(W/C)	00701701 0152	<	<	0	1	2	3
32	KIT, GASKET (AFTERCOOLER W/STL. ENDS)(W/C)	00701701 0386	<	<	0	1	2	3
33	GASKET, 2" COUPLING	00910068 0007	<	<	2	4	6	8
35	GASKET, 6" COUPLING	00910068 0009	<	<	2	4	6	8
35	KIT, THERMOSTATIC VALVE REPAIR	00701601 0752	<	<	0	1	2	3
35	TUBING, CLEAR (FT.)	00910086	<	<	0	4	8	12
35	KIT, MINIMUM PRESSURE VALVE REPAIR	00701701 0383	<	<	1	2	3	4
36	KIT, CONTROL VALVE REPAIR	00701701 0387	<	<	1	2	3	4
36	GLASS, SIGHT	00519108 0010	<	<	1	2	2	3
36	PACKING, O-RING	00903226 0024	<	<	1	2	3	4
36	SEPARATOR, SUMP	00543117 0053	<	<	1	2	3	4
37	INDICATOR, DIFFERENTIAL PRESSURE	00543255	<	<	0	1	2	3
37	VALVE, SAFETY	0A200004 0056	<	<	0	1	1	2
37	KIT, OIL FILTER ELEMENT	00701701 0275	<	<	2	4	6	8
37	GASKET, 1-1/2 COUPLING	00910068 0006	<	<	2	4	6	8
37	GAUGE, PRESSURE	00519100 0022	<	<	1	2	3	4
37	GAUGE, TEMPERATURE	00519100 0023	<	<	0	1	2	3
37	GAUGE, TEMPERATURE ("J" OPTION ONLY)	00519100 0024	<	<	0	1	2	3
43	PROBE	00600715 0354	<	<	0	2	4	6
43	SWITCH, PRESSURE	00600713 0347	<	<	0	1	2	3
43	RELAY, TIMER	00600726 0231	<	<	0	1	1	2
45	VALVE, SOLENOID 3-WAY	00600734 0245	<	<	0	1	2	3
45	VALVE, SOLENOID 2-WAY	00600734 0163	<	<	0	1	2	3
45	VALVE, SOLENOID 2-WAY	00600734 0238	<	<	0	1	2	3
46	RELAY, TIME DELAY	00600726 0239	<	<	0	1	1	2
46	SWITCH, ELEC. TEMPERATURE	00600715 0401	<	<	0	1	1	2

REVISIONS:										
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KIT DESCRIPTION	TA-990	TA-1025	TA-1150	TA-1250			
	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
THERMOSTATIC WATER VALVE	00543276 0012	<	<	<			
SOLENOID WATER VALVE	00600734 0159	<	<	<			
TOUCH-UP PAINT IN AEROSOL CAN	00543174 0007	<	<	<			
MOISTURE SEPARATOR WITH HEATED TRAP	00543275 0010	<	<	<			
460 V. CONTROL CENTER DOOR INTERLOCK	H0701700 0836	<	<	<			
575 V. CONTROL CENTER DOOR INTERLOCK	H0701700 0837	<	<	<			

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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< IDENTICAL TO PRECEDING PART NUMBER

MC-2545
D 2/80

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KIT DESCRIPTION	TA-1225	TA-1350	TA-1500	TA-1575	TA-1600	TA-1700	TA-1750		
	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
THERMOSTATIC WATER VALVE	00543276 0012	<	<	<	<	<	<		
SOLENOID WATER VALVE	00600734 0159	00600734 0175	<	<	<	<	<		
TOUCH-UP PAINT IN AEROSOL CAN	00543174 0007	<	<	<	<	<	<		
MOISTURE SEPARATOR W/HEATED TRAP	00543275 0010	00543275 0012	<	<	<	<	<		
460V CONTROL CENTER DOOR INTERLOCK	H0701700 0836	<	<	<	<	<	<		
575V CONTROL CENTER DOOR INTERLOCK	H0701700 0837	<	<	<	<	<	<		

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.

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Gardner

Denver

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