

*Parts Manual for
Helical Screw Compressor*

Model QSI 1000

Aircooled "B" Version
Watercooled "A" Version

50078-102

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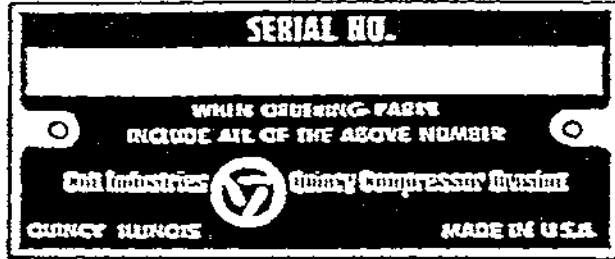


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SERIAL NUMBER IDENTIFICATION

THE SERIAL NUMBER TAG IS LOCATED ON THE CONTROL PANEL DOOR, UPPER-RIGHT HAND CORNER.



ORDERING REPLACEMENT PARTS

PROMPT SERVICE CAN BE RENDERED ON REPLACEMENT PART ORDERS IF THE FOLLOWING INFORMATION IS GIVEN:

1. THE SERIAL NUMBER MUST BE GIVEN WHEN ORDERING REPLACEMENT PARTS.
2. STATE THE EXACT PART NUMBER NEEDED. DO NOT ORDER BY INDEX NUMBERS, AS INDEX NUMBERS ARE REPEATED THROUGHOUT THIS MANUAL, AND IF USED FOR ORDERING PARTS WILL NECESSITATE TIME CONSUMING CORRESPONDENCE.
3. STATE THE EXACT QUANTITY NEEDED.
4. STATE THE PREFERRED TYPE OF TRANSPORTATION.

ALL REPLACEMENT PARTS ARE TO BE ORDERED THROUGH AN AUTHORIZED DISTRIBUTOR.

INSIST ON GENUINE QUINCY PARTS ONLY! FAILURE TO DO SO MAY VOID WARRANTY!

NOTICE:

DO NOT OPERATE THIS COMPRESSOR WITHOUT ALL GUARDS AND ACOUSTICAL PANELS IN PLACE.



DANGER: AIR FROM THIS COMPRESSOR WILL CAUSE SEVERE INJURY OR DEATH IF USED FOR BREATHING OR FOOD PROCESSING. AIR USED FOR THESE PROCESSES MUST MEET OSHA 29 CFR 1910 OR FDA 21 CFR 178.3570 REGULATIONS.

HELICAL SCREW LUBRICATION OILS

We recommend that all QSI compressors be filled with oil that meets one of the following specifications:

Motor Oils

API SERVICE SF-CD - SAE 20W Viscosity

MIL-L-2104D - SAE 20W Viscosity

MIL-L-46152B - SAE 20W Viscosity

Additional information may be found in the QSI Instruction Manual

If a compressor is going to be subjected to sub-freezing temperatures, contact an authorized Quincy Compressor Distributor.

Should requirements necessitate a synthetic oil, it will be necessary that the order so state, so that the compressor may be filled with synthetic oil for the particular application. If the order does not specify type oil, the compressor will be shipped with motor oil as specified above.

Synthetic lubricants may not be compatible with components used in a Quincy helical screw compressor shipped from Quincy originally using petroleum oil. If it is deemed necessary to convert any such unit to synthetic lubrication, please contact an authorized Quincy Compressor distributor.

The following information will be required by the distributor:

Model _____

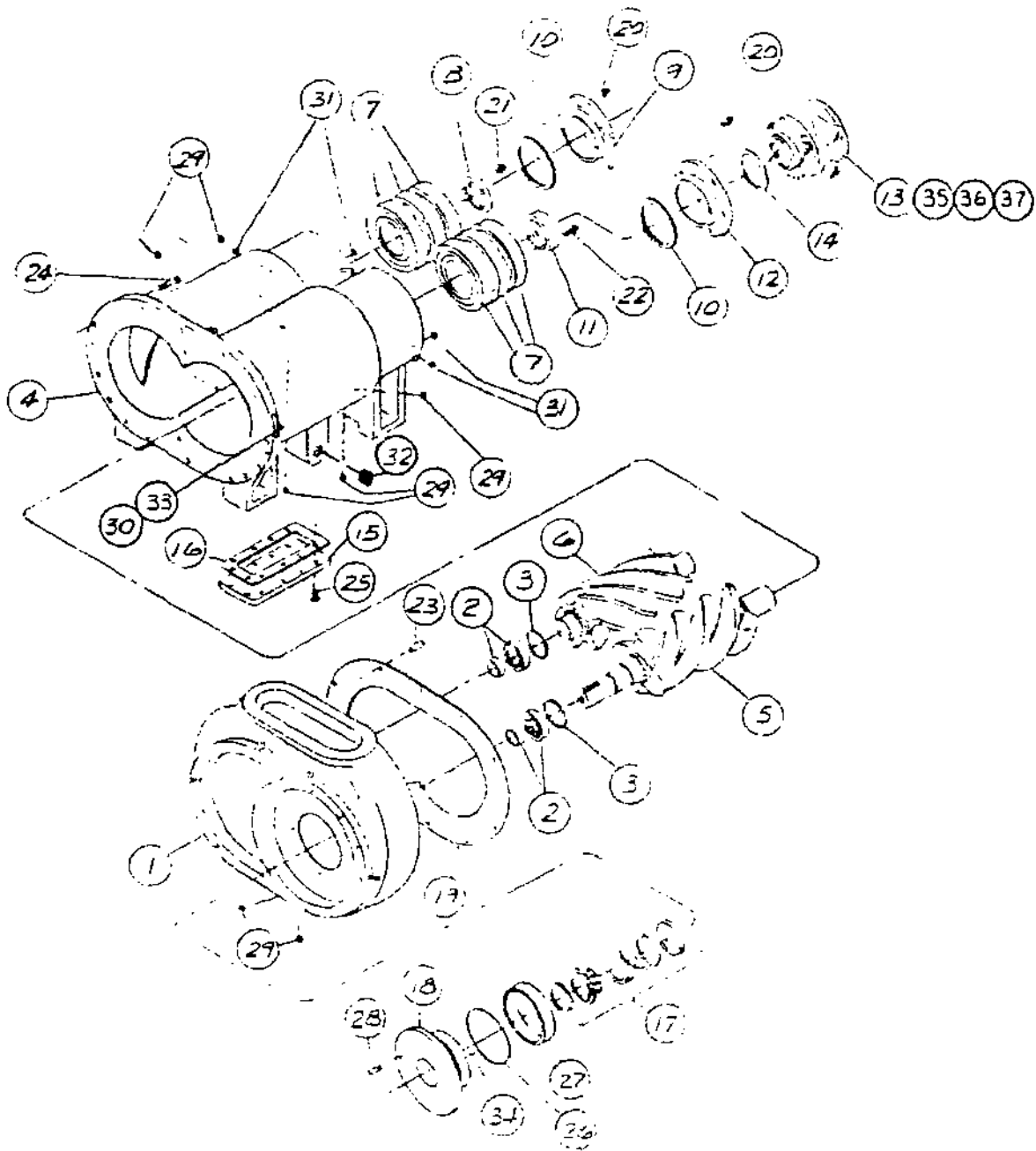
Serial No. _____

Oil Originally Used _____

Oil Now Used (If Changed) _____

Oil To Be Used _____

BASIC COMPRESSOR GROUP 22586-2



BASIC COMPRESSOR GROUP 22586-2

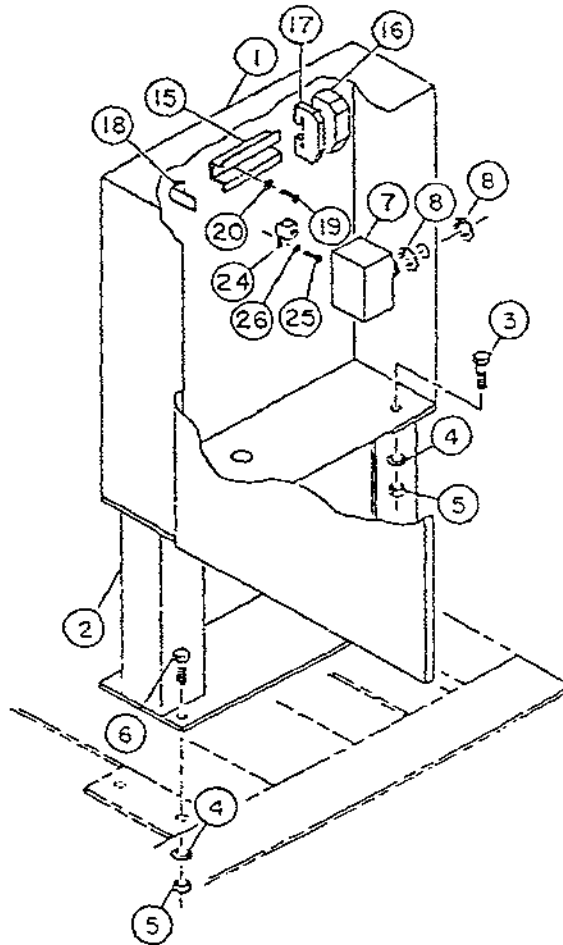
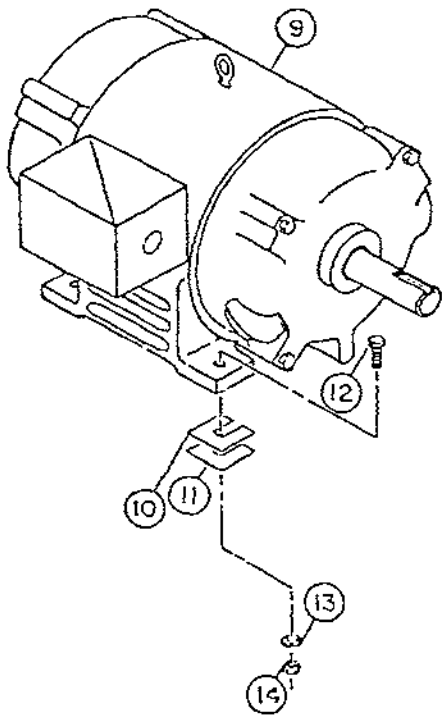
| INDEX NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|-----------------|-------------|----------------|---|
| 1 | 1 | 22488-1 | CASING-INLET,COMPRESSOR |
| 2 | 2 | 20134 | BEARING-SUCTION END |
| 3 | 2 | 20514 | RING-SNAP |
| 4 | 1 | 22489-1 | HOUSING-COMPRESSOR |
| 5 | 1 | 22317-1 | ROTOR-COMPRESSOR,MALE (NOT FOR SALE) |
| 6 | 1 | 22318-1 | ROTOR-COMPRESSOR,FEMALE (NOT FOR SALE) |
| 7 | 6 | 22591 | BEARING-DISCHARGE END |
| 8 | 1 | 22527 | RETAINER-BEARING |
| 9 | 1 | 22519 | CAP-FEMALE ROTOR END |
| 10 | 2 | 22749-367 | "O"RING-3/16 WIDE X 7.88 O.D. |
| 11 | 1 | 22526 | RETAINER-BEARING |
| 12 | 1 | 22520 | ADAPTER-OIL PUMP |
| 13 | 1 | 125452-004 | PUMP-OIL |
| 14 | 1 | 20071 | GASKET-OIL PUMP |
| 15 | 1 | 23217 | PLATE-COVER,OIL GALLERY |
| 16 | 1 | 23218 | GASKET-PLATE,OIL GALLERY |
| 17 | 1 | 22593-1 | SEAL-OIL |
| 18 | 1 | 22568 | ADAPTER-SEAL |
| 19 | 1 | 22865-1 | GASKET-INLET HOUSING |
| 20 | 10 | 123478-Q16 | SCREW-HEX.,5/8-11 UNC X 1.75,GRADE 5 (Q 100FT.-LBS.) |
| 21 | 4 | 90386-N15 | SCREW-COUNTERBORE,1/2-13 UNC X 1.50,GRADE 8 (Q 110FT.-LBS.) |
| 22 | 4 | 90386-N17 | SCREW-COUNTERBORE,1/2-13 UNC X 2.00,GRADE 8 (Q 110FT.-LBS.) |
| 23 | 2 | 124145-005 | PIN-DOWEL |
| 24 | 13 | 123478-Q18 | SCREW-HEX.,5/8-11 UNC X 2.25,GRADE 5 (Q 150FT.-LBS.) |
| 25 | 10 | 123478-L10 | SCREW-HEX.,3/8-16 UNC X .75,GRADE 5 (Q 30FT.-LBS.) |
| 26 | 1 | 22749-362 | "O"RING-3/16 WIDE X 6.62 O.D. |
| 27 | 1 | 22948 | SPACER-SEAL |
| 28 | 4 | 123478-J12 | SCREW-HEX.,1/4-20 UNC X 1.00,GRADE 5 (Q 8FT.-LBS.) |
| 29 | 5 | 2719 | PLUG-PIPE,1/4 NPT |
| 30 | 2 | 4029 | PIN-NAMEPLATE |
| 31 | 4 | 4729 | PLUG-PIPE,3/8 NPT |
| 32 | 1 | 2970 | PLUG-PIPE,2 NPT |
| 33 | 1 | 120189 | PLATE-PATENT |
| 34 | 1 | 6268 | PIN-STOP |

MAINTENANCE PARTS

| | | | |
|----|---|----------|-------------------------|
| 35 | 1 | 122418-1 | GASKET-COVER,.005 THICK |
| 36 | 1 | 122418-2 | GASKET-COVER,.004 THICK |
| 37 | 1 | 122418-3 | GASKET-COVER,.003 THICK |

Q INDICATES TORQUE VALUE IN FOOT POUNDS (DRY THREADS)

MOTOR/ENCLOSURE GROUP 128137
(AIRCOOLED MODELS)
(WATERCOOLED MODELS WITH CANOPY)

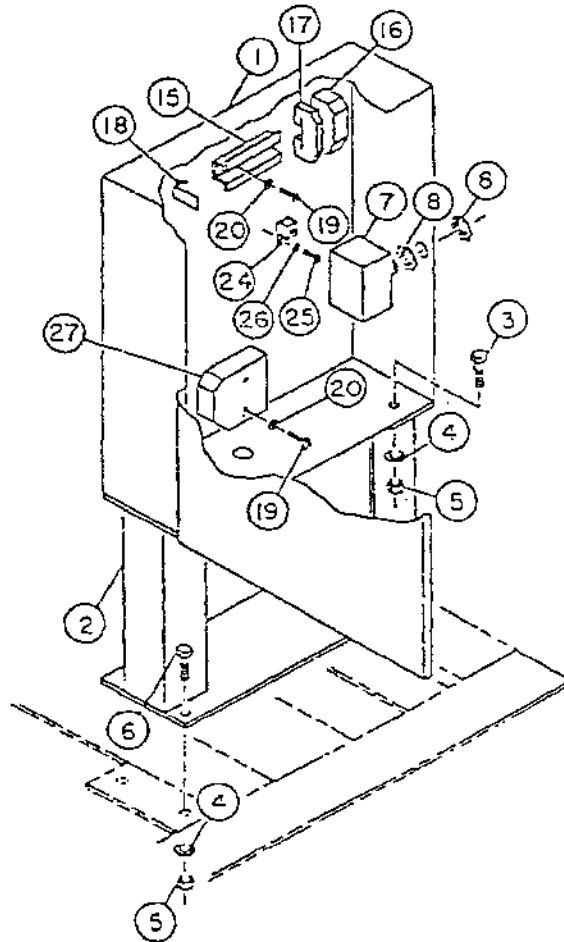
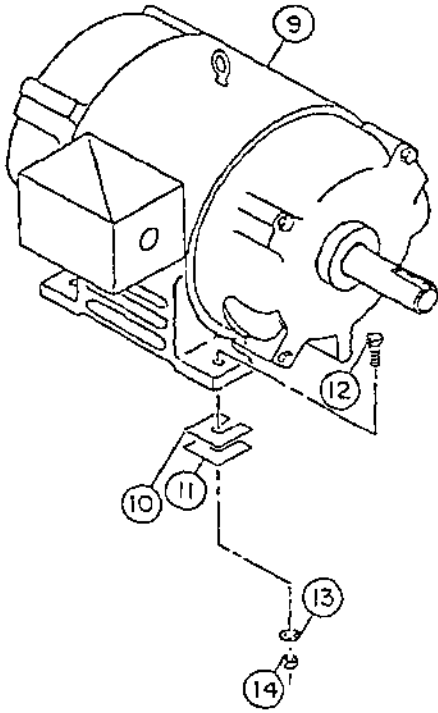


NOTE: 1) ITEMS 21, 22 & 23 ARE NOT SHOWN.

**MOTOR/ENCLOSURE GROUPS
(AIRCOOLED MODELS)
(WATERCOOLED MODELS WITH CANOPY)**
(FOR OPTIONAL HIGH PRESSURE MOTOR/ENCLOSURE GROUPS SEE PAGES 76-77B)

| INDEX NO. | QTY | PART NUMBER | QTY | PART NUMBER | DESCRIPTION |
|-----------|------|-------------------|------|-------------------|--|
| | | 128137-W34 | | 128137-W35 | |
| | | 460 VOLT | | 575 VOLT | |
| 1 | 1 | 128008-F01 | 1 | 128008-F01 | ENCLOSURE-FINISHED |
| 2 | 1 | 128005 | 1 | 128005 | SUPPORT-ENCLOSURE |
| 3 | 4 | 123478-L12 | 4 | 123478-L12 | SCREW-HEX., 3/8-16 UNC X 1.00, GRADE 5 |
| 4 | 8 | 123115-06C | 8 | 123115-06C | LOCKWASHER-3/8 |
| 5 | 8 | 124364-L02 | 8 | 124364-L02 | NUT-HEX., 3/8-16 UNC |
| 6 | 4 | 123478-L14 | 4 | 123478-L14 | SCREW-HEX., 3/8-16 UNC X 1.25, GRADE 5 |
| 7 | 1 | 22454-1 | 1 | 22454-1 | SWITCH-PRESSURE |
| 8 | 2 | 8052 | 2 | 8052 | LOCKNUT-CONDUIT, 1/2 |
| 9 | 1 | 21444 | 1 | 121764 | MOTOR |
| 10 | 8 | 21961 | 8 | 21961 | SHIM-COMPRESSOR AND MOTOR, .015 THICK |
| 11 | 8 | 21962 | 8 | 21962 | SHIM-COMPRESSOR AND MOTOR, .005 THICK |
| 12 | 4 | 123478-R20 | 4 | 123478-R20 | SCREW-HEX., 3/4-10 UNC X 2.75, GRADE 5 |
| 13 | 4 | 123115-12C | 4 | 123115-12C | LOCKWASHER-3/4 |
| 14 | 4 | 124364-R02 | 4 | 124364-R02 | NUT-HEX., 3/4-10 UNC |
| 15 | 2 IN | 122757-01 | 2 IN | 122757-01 | TRACK-TERMINAL |
| 16 | 5 | 122751-01 | 5 | 122751-01 | TERMINAL-ELECTRICAL |
| 17 | 1 | 122754-01 | 1 | 122754-01 | BARRIER-FUSE BLOCK |
| 18 | 2 | 122756-01 | 2 | 122756-01 | STOP-TERMINAL |
| 19 | 2 | 123200-F07 | 2 | 123200-F07 | SCREW-PAN HEAD, #8-32 UNC X .50 |
| 20 | 2 | 123108-08C | 2 | 123108-08C | LOCKWASHER-#8 |
| 21 | 6 | 23190-15 | 6 | 23190-15 | TERMINAL-LOCKING FORK |
| 22 | 2 | 23190-01 | 2 | 23190-01 | TERMINAL-LOCKING FORK |
| 23 | 6 | 122848 | 6 | 122848 | WIRE-RED ELECTRICAL, #18 |
| 24 | 1 | 128002-001 | 1 | 128002-001 | TERMINAL-GROUND |
| 25 | 1 | 123200-G07 | 1 | 123200-G07 | SCREW-PAN HEAD, #10-24 UNC X .50 |
| 26 | 1 | 123108-10C | 1 | 123108-10C | LOCKWASHER-#10 |

MOTOR/ENCLOSURE GROUP 128138
(WATERCOOLED MODELS LESS CANOPY)

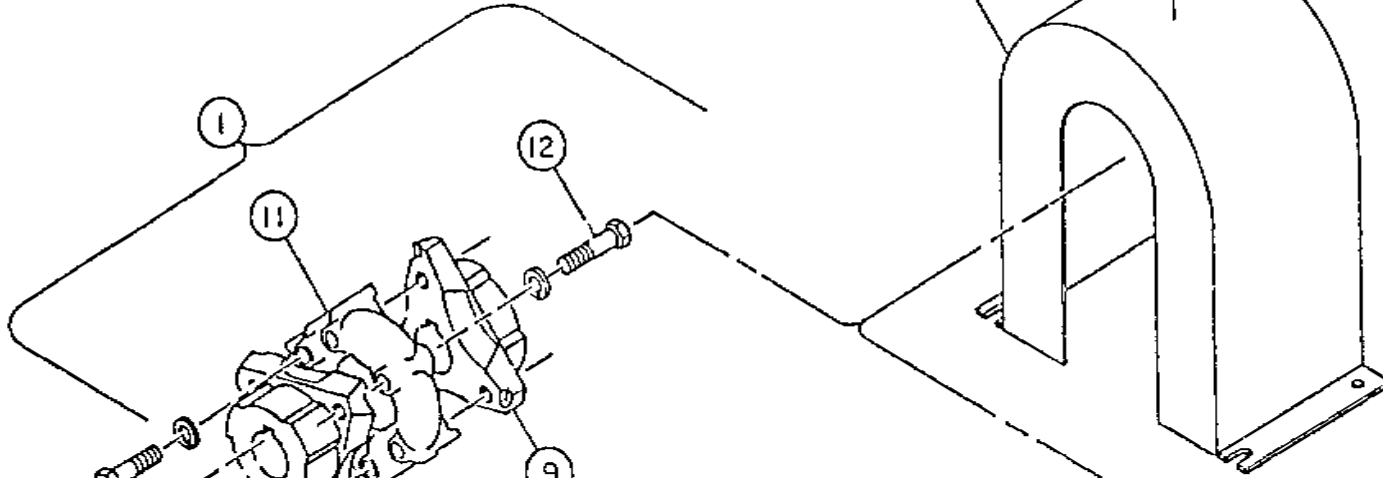


NOTE: 1) ITEMS 21, 22 & 23 ARE NOT SHOWN.

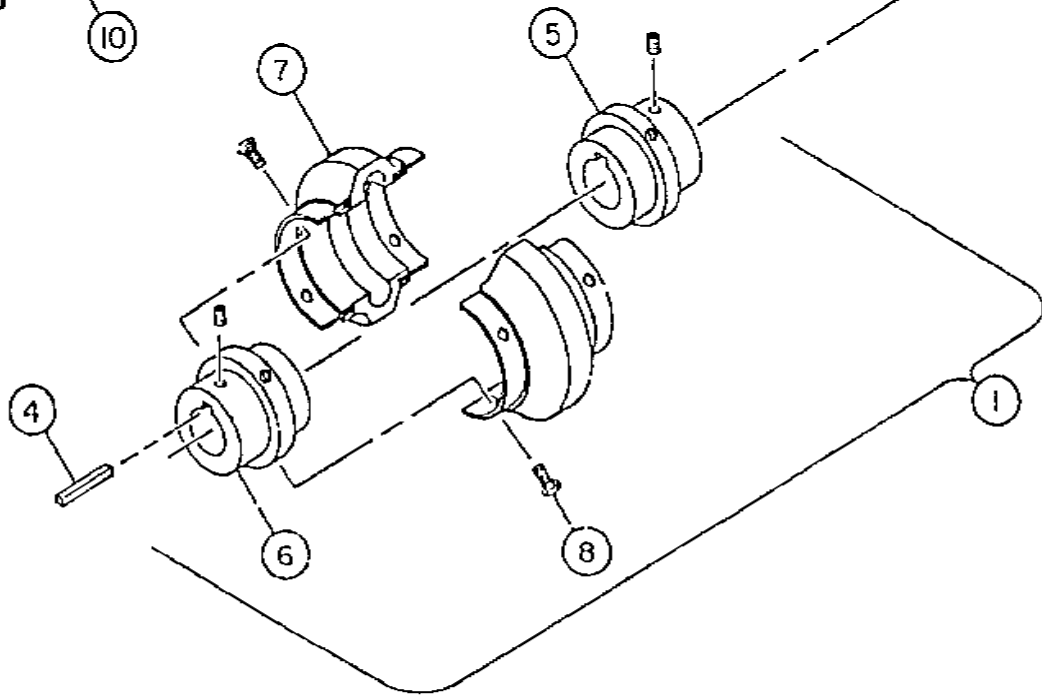
MOTOR/ENCLOSURE GROUPS
(WATERCOOLED MODELS LESS CANOPY)
(FOR OPTIONAL HIGH PRESSURE MOTOR/ENCLOSURE GROUPS SEE PAGES 76-77B)

| INDEX NO. | QTY | PART NUMBER | QTY | PART NUMBER | DESCRIPTION |
|-----------|------|-------------------|------|-------------------|--|
| | | 128138-W34 | | 128138-W35 | |
| | | 460 VOLT | | 575 VOLT | |
| 1 | 1 | 128008-F01 | 1 | 128008-F01 | ENCLOSURE-FINISHED |
| 2 | 1 | 128005 | 1 | 128005 | SUPPORT-ENCLOSURE |
| 3 | 4 | 123478-L12 | 4 | 123478-L12 | SCREW-HEX., 3/8-16 UNC X 1.00, GRADE 5 |
| 4 | 8 | 123115-06C | 8 | 123115-06C | LOCKWASHER-3/8 |
| 5 | 8 | 124364-L02 | 8 | 124364-L02 | NUT-HEX., 3/8-16 UNC |
| 6 | 4 | 123478-L14 | 4 | 123478-L14 | SCREW-HEX., 3/8-16 UNC X 1.25, GRADE 5 |
| 7 | 1 | 22454-1 | 1 | 22454-1 | SWTCH-PRESSURE |
| 8 | 2 | 8052 | 2 | 8052 | LOCKNUT-CONDUIT, 1/2 |
| 9 | 1 | 21444 | 1 | 121764 | MOTOR |
| 10 | 8 | 21961 | 8 | 21961 | SHIM-COMPRESSOR AND MOTOR, .015 THICK |
| 11 | 8 | 21962 | 8 | 21962 | SHIM-COMPRESSOR AND MOTOR, .005 THICK |
| 12 | 4 | 123478-R20 | 4 | 123478-R20 | SCREW-HEX., 3/4-10 UNC X 2.75, GRADE 5 |
| 13 | 4 | 123115-12C | 4 | 123115-12C | LOCKWASHER-3/4 |
| 14 | 4 | 124364-R02 | 4 | 124364-R02 | NUT-HEX., 3/4-10 UNC |
| 15 | 2 IN | 122757-01 | 2 IN | 122757-01 | TRACK-TERMINAL |
| 16 | 4 | 122751-01 | 4 | 122751-01 | TERMINAL-ELECTRICAL |
| 17 | 1 | 122754-01 | 1 | 122754-01 | BARRIER-FUSE BLOCK |
| 18 | 2 | 122756-01 | 2 | 122756-01 | STOP-TERMINAL |
| 19 | 4 | 123200-F09 | 4 | 123200-F09 | SCREW-PAN HEAD, #8-32 UNC X .62 |
| 20 | 4 | 123108-08C | 4 | 123108-08C | LOCKWASHER-#8 |
| 21 | 2 | 23190-15 | 2 | 23190-15 | TERMINAL-LOCKING FORK |
| 22 | 2 | 23190-17 | 2 | 23190-17 | TERMINAL-LOCKING FORK |
| 23 | 6 | 122848 | 6 | 122848 | WIRE-RED ELECTRICAL, #18 |
| 24 | 1 | 128002-001 | 1 | 128002-001 | TERMINAL-GROUND |
| 25 | 1 | 123200-G07 | 1 | 123200-G07 | SCREW-PAN HEAD, #10-24 UNC X .50 |
| 26 | 1 | 123108-10C | 1 | 123108-10C | LOCKWASHER-#10 |
| 27 | 1 | 8637-120 | 1 | 8637-120 | RELAY-ELECTRICAL |

(SOLID DONUT TYPE)
DOES NOT INCLUDE ITEM ④ KEY



(SPLIT ELEMENT TYPE)
DOES NOT INCLUDE ITEM ④ KEY



DRIVE COUPLING GROUPS

| INDEX NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|-----------------|-------------|----------------|-------------|
|-----------------|-------------|----------------|-------------|

DRIVE COUPLING GROUP (SPLIT ELEMENT TYPE)

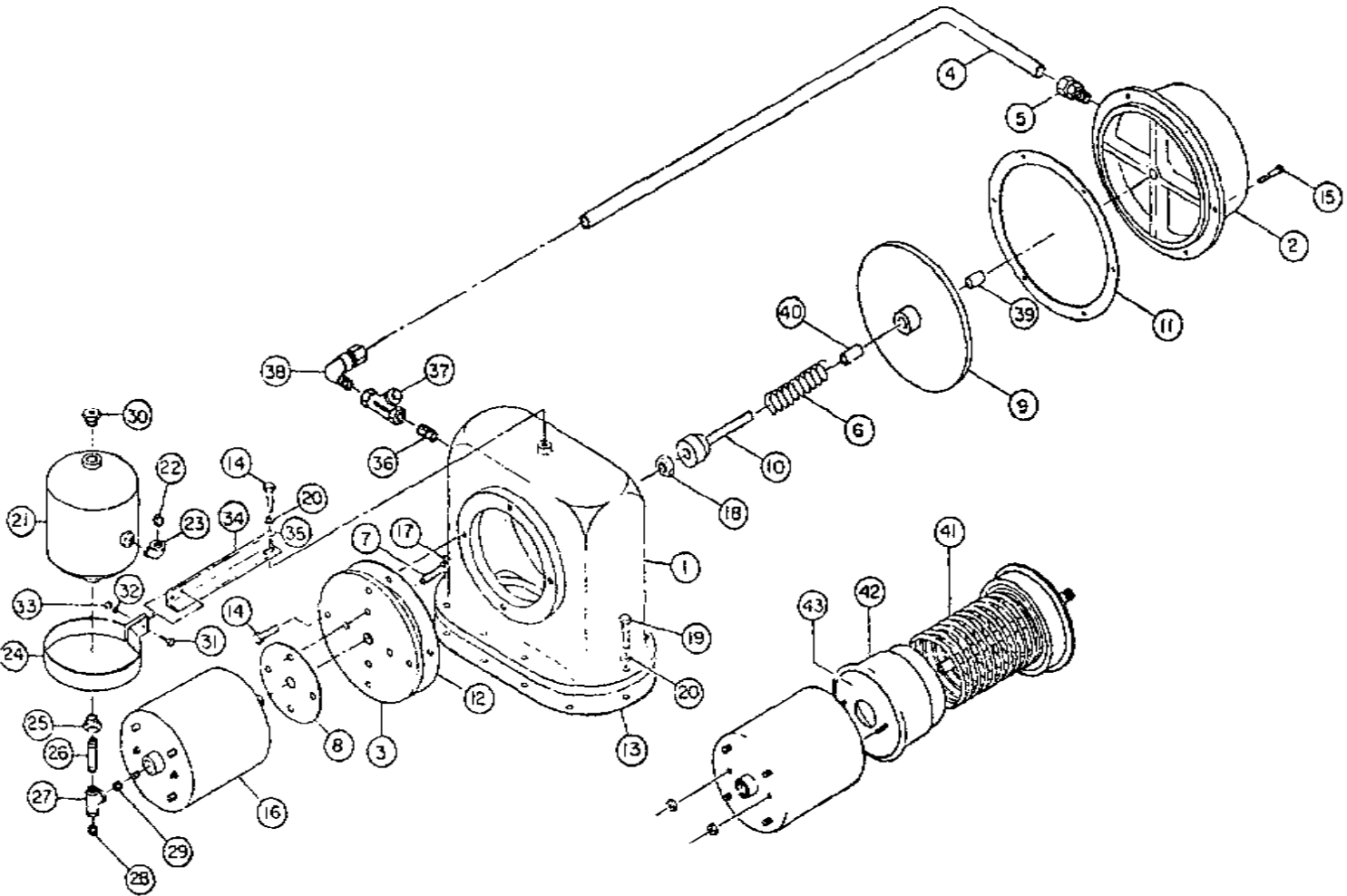
| | | | |
|--------------------------|----|------------|--|
| 1 | 1 | 126335-601 | DRIVE COUPLING ASSEMBLY |
| 2 | 1 | 123774 | GUARD ASSEMBLY-DRIVE COUPLING |
| 3 | 1 | 125556 | DECAL-CAUTION |
| 4 | 1 | 23418 | KEY-SHAFT |
| <u>MAINTENANCE PARTS</u> | | | |
| 5 | 1 | 126335-620 | HUB-COUPLING, MOTOR (TORQUE SETSCREWS @ 110 FT.-LBS.) |
| 6 | 1 | 126335-631 | HUB-COUPLING, COMPRESSOR (TORQUE SETSCREWS @ 430 FT.-LBS.) |
| 7 | 1 | 126335-610 | ELEMENT-COUPLING (1 PAIR OF HALVES SOLD AS A MATCHED SET ONLY) |
| 8 | 1 | 126335-904 | BOLT KIT-DRIVE COUPLING |
| | | | INCLUDES: |
| | 16 | | BOLTS-SPECIAL (TORQUE @ 75 FT.-LBS.) |
| | 16 | | LOCKWASHERS |

DRIVE COUPLING GROUP (SOLID DONUT TYPE)

| | | | |
|--------------------------|---|---------|---------------------------------------|
| 1 | 1 | 23249-7 | COUPLING ASSEMBLY |
| 2 | 1 | 123774 | GUARD ASSEMBLY-DRIVE COUPLING |
| 3 | 1 | 125556 | DECAL-CAUTION |
| 4 | 1 | 23418 | KEY-SHAFT |
| <u>MAINTENANCE PARTS</u> | | | |
| 9 | 1 | 23742 | HUB-MOTOR |
| 10 | 1 | 23743 | HUB-COMPRESSOR |
| 11 | 1 | 23741 | DONUT-RUBBER |
| 12 | 1 | 23967 | KIT-FASTENING |
| | | | INCLUDES: |
| | 8 | | BOLTS-SPECIAL (TORQUE @ 260 FT.-LBS.) |
| | 8 | | LOCKWASHERS |

@ INDICATES TORQUE VALUE IN FOOT POUNDS (DRY THREADS)

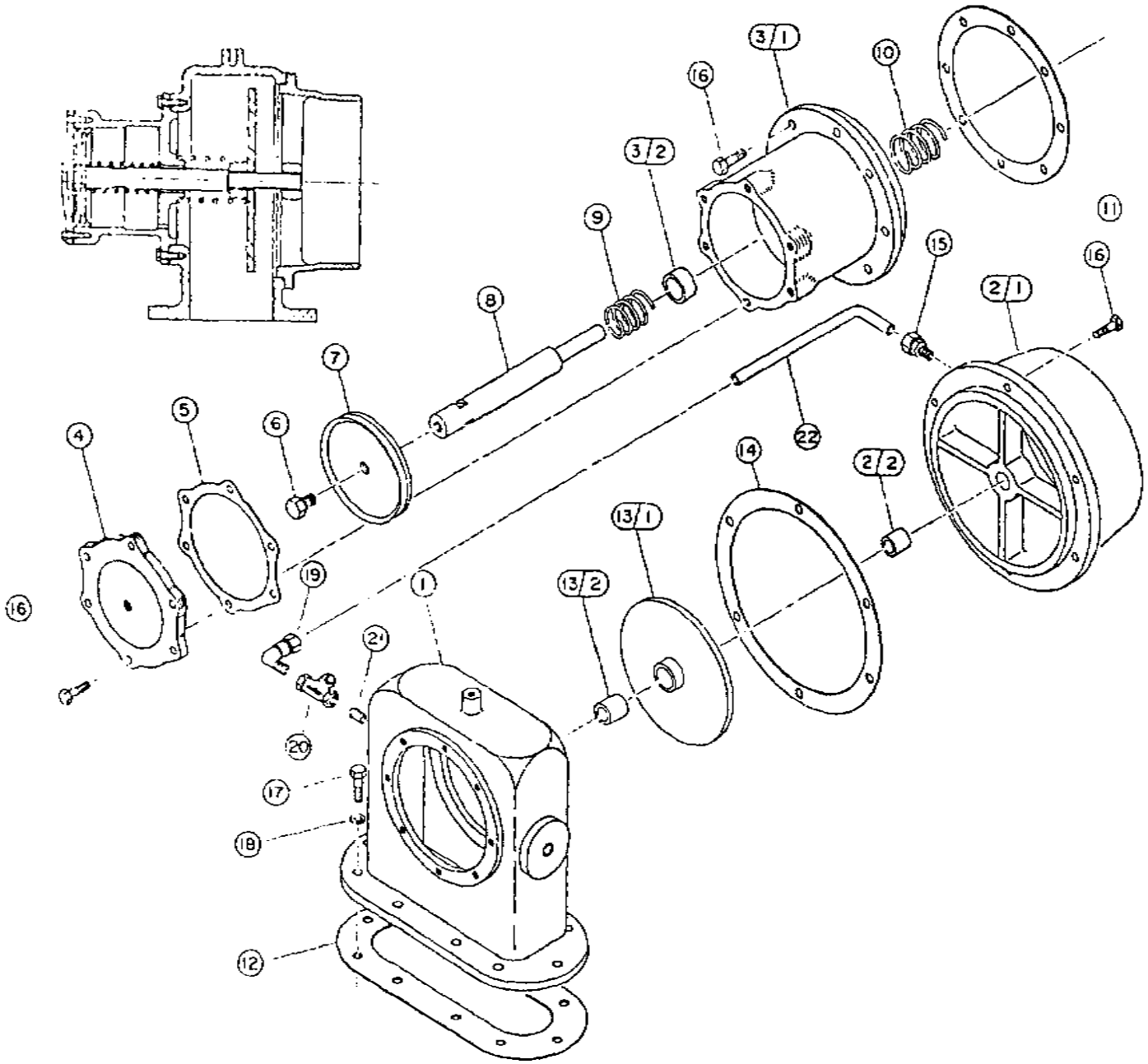
NOTE: COUPLING HUBS MUST BE INSTALLED WITH KEYWAYS OFFSET 180 DEGREES (1/2 TURN) TO MAINTAIN COUPLING BALANCE.



INLET VALVE GROUP 22869-001

| INDEX NUMBER | QTY | PART NUMBER | DESCRIPTION |
|--------------------------|-----|-------------|---|
| 1 | 1 | 22633 | BODY |
| 2 | 1 | 22877 | ADAPTER-INLET VALVE |
| 3 | 1 | 22871 | PLATE |
| 4 | 1 | 110515-062 | TUBE-COPPER,5/8 O.D. |
| 5 | 1 | 124393-021 | FITTING-MALE CONNECTOR,5/8 TUBE X 1/2 NPT |
| 6 | 1 | 22878 | SPRING |
| 7 | 4 | 23213 | SCREW-HEX.(WIRELOCK),5/8-11 UNC X 1-1/4 |
| 8 | 1 | 22873 | GASKET |
| 9 | 1 | 22876-1 | PLATE-INLET VALVE |
| 10 | 1 | 22872 | SHAFT |
| 11 | 1 | 22874 | GASKET-INLET VALVE |
| 12 | 1 | 22870 | GASKET |
| 13 | 1 | 22875 | GASKET-INLET VALVE |
| 14 | 5 | 123478-N12 | SCREW-HEX.,1/2-13 UNC X 1.00,GRADE 5 |
| 15 | 6 | 123478-L12 | SCREW-HEX.,3/8-16 UNC X 1.00,GRADE 5 |
| 16 | 1 | 22879-016 | CYLINDER-AIR |
| 17 | 4 | 2830 | LOCKWIRE-#19 GAGE,24" LONG |
| 18 | 1 | 22882 | JAMNUT-HEX.,1-14 UNF |
| 19 | 10 | 123478-N15 | SCREW-HEX.,1/2-13 UNC X 1.50,GRADE 5 |
| 20 | 11 | 123115-08C | LOCKWASHER-1/2 |
| 21 | 1 | 122605 | RESERVOIR-OIL |
| 22 | 1 | 2057 | PLUG-PIPE,1/2 NPT |
| 23 | 1 | 3021 | ELBOW-PIPE,1/2 NPT |
| 24 | 1 | 122606 | BAND-MOUNTING,OIL RESERVOIR |
| 25 | 1 | 4728 | BUSHING-PIPE,3/4 NPT X 3/8 NPT |
| 26 | 1 | 124687-014 | NIPPLE-PIPE,3/8 NPT X 2.50 |
| 27 | 1 | 4575 | TEE-PIPE,3/8 NPT X 3/8 NPT X 3/8 NPT |
| 28 | 1 | 1301 | PLUG-PIPE,3/8 NPT |
| 29 | 1 | 2759 | NIPPLE-PIPE,3/8 NPT X CLOSE |
| 30 | 1 | 4717 | BUSHING-PIPE,3/4 NPT X 1/4 NPT |
| 31 | 2 | 123478-J07 | SCREW-HEX.,1/4-20 UNC X .50,GRADE 5 |
| 32 | 2 | 123115-04C | LOCKWASHER-1/4 |
| 33 | 2 | 124368-J02 | JAMNUT-HEX.,1/4-20 UNC |
| 34 | 1 | 125808 | BRACKET-SUPPORT |
| 35 | 1 | 110428H050 | FLATWASHER-1/2 |
| 36 | 1 | 125935-001 | NIPPLE-PIPE,1/2 NPT X CLOSE |
| 37 | 1 | 123454-005 | VALVE-CHECK |
| 38 | 1 | 124349-01B | FITTING-ELBOW,5/8 TUBE X 1/2 NPT |
| MAINTENANCE PARTS | | | |
| 39 | 1 | 22881 | BUSHING-ADAPTER |
| 40 | 1 | 22880-1 | BUSHING-PLATE,INLET VALVE |
| 41 | 1 | 126012 | SPRING-AIR CYLINDER |
| 42 | 1 | 122118 | KIT-AIR CYLINDER REPAIR |
| | | | INCLUDES: |
| | 1 | | DIAPHRAGM |
| | 2 | | NUT-SPECIAL |
| | 1 | | INSTRUCTIONS |
| 43 | 1 | 22879-050 | RETAINER-DIAPHRAGM |

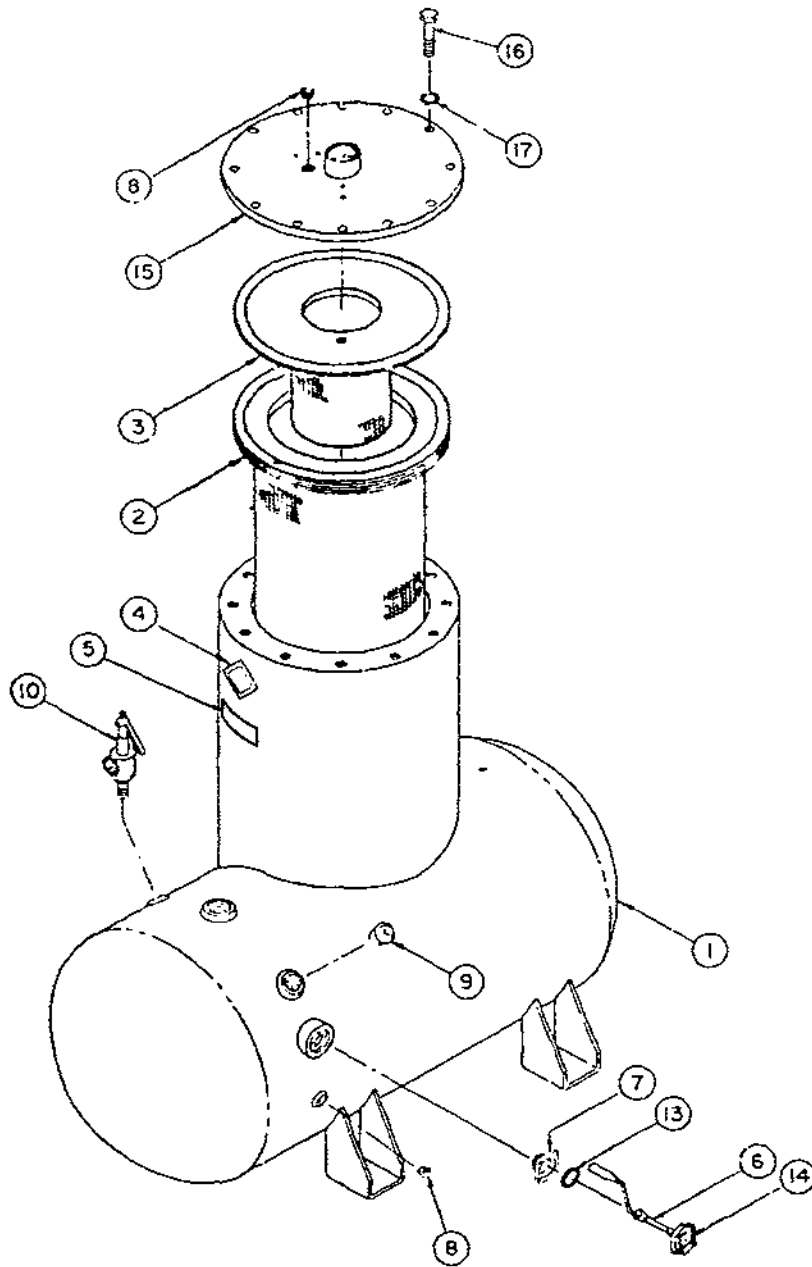
SEE PAGES 10 & 11 FOR ALTERNATE DESIGN OF INLET VALVE GROUP



INLET VALVE GROUP 126759-001

| INDEX NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|-----------------|-------------|----------------|--|
| 1 | 1 | 126751 | HOUSING-INLET VALVE |
| 2 | 1 | 22877-1 | ASSEMBLY-INLET VALVE ADAPTER |
| 2/1 | 1 | 22877 | ADAPTER-INLET VALVE |
| 2/2 | 1 | 22881 | BUSHING-ADAPTER |
| 3 | 1 | 126730-1 | ASSEMBLY-INLET VALVE CYLINDER |
| 3/1 | 1 | 126730 | CYLINDER-INLET VALVE |
| 3/2 | 1 | 126860 | BUSHING-INLET VALVE |
| 4 | 1 | 126710 | CAP-INLET VALVE CYLINDER |
| 5 | 1 | 126732 | GASKET-INLET VALVE |
| 6 | 1 | 123478-R14 | SCREW-HEX., 3/4-10 UNC X 1.25, GRADE 5 |
| 7 | 1 | 126460-558 | CUP-PISTON |
| 8 | 1 | 126731 | SHAFT-INLET VALVE |
| 9 | 1 | 126719 | SPRING-INLET VALVE |
| 10 | 1 | 126760 | SPRING-INLET VALVE |
| 11 | 1 | 126814 | GASKET-INLET VALVE |
| 12 | 1 | 22875 | GASKET-INLET VALVE |
| 13 | 1 | 22876-2 | ASSEMBLY-INLET VALVE PLATE |
| 13/1 | 1 | 22876-1 | PLATE-INLET VALVE |
| 13/2 | 1 | 22880-1 | BUSHING-INLET VALVE PLATE |
| 14 | 1 | 22874 | GASKET-INLET VALVE |
| 15 | 1 | 124393-021 | FITTING-MALE CONNECTOR, 5/8 TUBE X 1/2 NPT |
| 16 | 20 | 123478-L12 | SCREW-HEX., 3/8-16 UNC X 1.00, GRADE 5 |
| 17 | 10 | 123478-N15 | SCREW-HEX., 1/2-13 UNC X 1.50, GRADE 5 |
| 18 | 10 | 123115-08C | LOCKWASHER-1/2 |
| 19 | 1 | 124349-018 | FITTING-ELBOW, 5/8 TUBE X 1/2 NPT |
| 20 | 1 | 123454-005 | VALVE-CHECK |
| 21 | 1 | 125935-001 | NIPPLE-PIPE, 1/2 NPT X CLOSE |
| 22 | 1 | 110515-062 | TUBE-COPPER, 5/8 O.D. |

AIR/OIL RESERVOIR GROUP 120609-3



NOTE

ITEMS 11 (DECAL) AND 12 (TAG) NOT SHOWN.

AIR/OIL RESERVOIR GROUP 120609-3

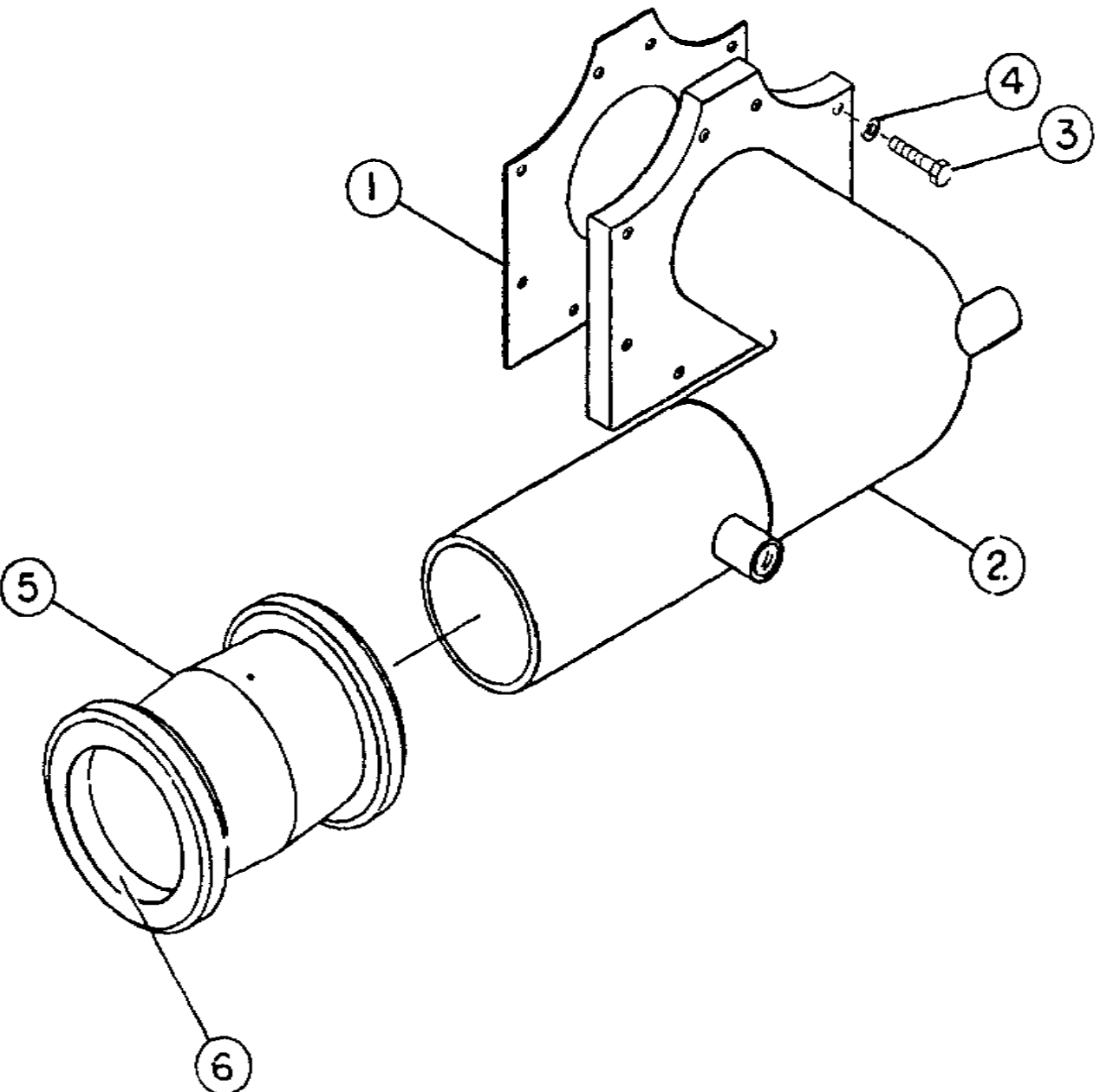
| INDEX NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|-----------------|-------------|----------------|---|
| 1 | 1 | 120544-1 | RECEIVER-AIR/OIL |
| 2 | 1 | 22705-5 | SEPARATOR-RECEIVER AIR/OIL |
| 3 | 1 | 122117-5 | SEPARATOR-RECEIVER AIR/OIL |
| 4 | 1 | 124839 | DECAL-WARNING |
| 5 | 1 | 40744 | DECAL-"DANGER AIR FROM THIS COMPRESSOR" |
| 6 | 1 | 23680-1 | GAUGE-OIL LEVEL |
| 7 | 1 | 22335 | ADAPTER-OIL GAUGE |
| 8 | 2 | 2058 | PLUG-PIPE, 3/4 NPT |
| 9 | 1 | 4719 | PLUG-PIPE, 2 NPT |
| 10 | 1 | 23268-3 | VALVE-SAFETY |
| 11 | 1 | 126324 | DECAL-"CAUTION RELIEVE SYSTEM PRESSURE...." |
| 12 | 1 | 22177 | TAG-OIL |

MAINTENANCE PARTS

| | | | |
|----|----|------------|--|
| 13 | 1 | 120289 | SEAL-GAUGE, OIL LEVEL |
| 14 | 1 | 121990 | DIAL-GAUGE, OIL LEVEL |
| 15 | 1 | 120885 | PLATE-TOP, RECEIVER |
| 16 | 12 | 123478-R18 | SCREW-HEX, 3/4-10 UNC X 2.25, GRADE 5 (@ 250 FT.-LBS.) |
| 17 | 12 | 123115-12C | LOCKWASHER-3/4 |

@ INDICATES TORQUE VALUE IN FOOT POUNDS (DRY THREADS)

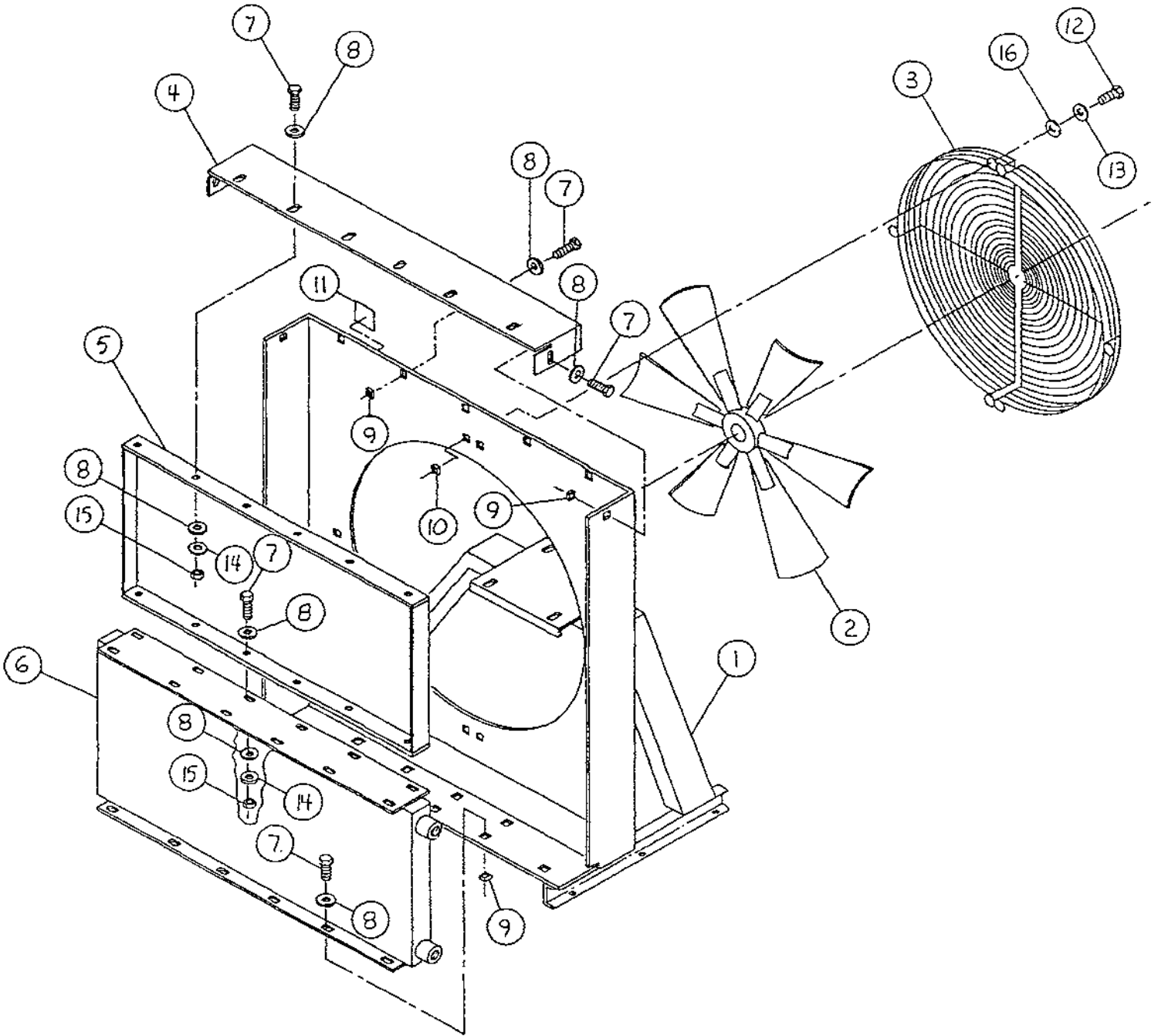
DISCHARGE PIPING GROUP



DISCHARGE PIPING GROUP

| INDEX NUMBER | TY | PART NUMBER | DESCRIPTION |
|-----------------|----|----------------|--|
| 1 | 1 | 23265 | GASKET-DISCHARGE |
| 2 | 1 | 23266 | ELBOW-DISCHARGE (AIRCOOLED MODELS) |
| | | OR | |
| 2 | 1 | 120588 | ELBOW-DISCHARGE (WATERCOOLED MODELS) |
| 3 | 8 | 123478-L15 | SCREW-HEX., 3/8-16 UNC X 1.50, GRADE 5 |
| 4 | 8 | 123115-06C | LOCKHASHER-3/8 |
| 5 | 1 | 23258 | COUPLING-FLEXIBLE |
| | | | <u>MAINTENANCE PARTS</u> |
| 6 | 2 | 121820 | SEAL-COUPLING |

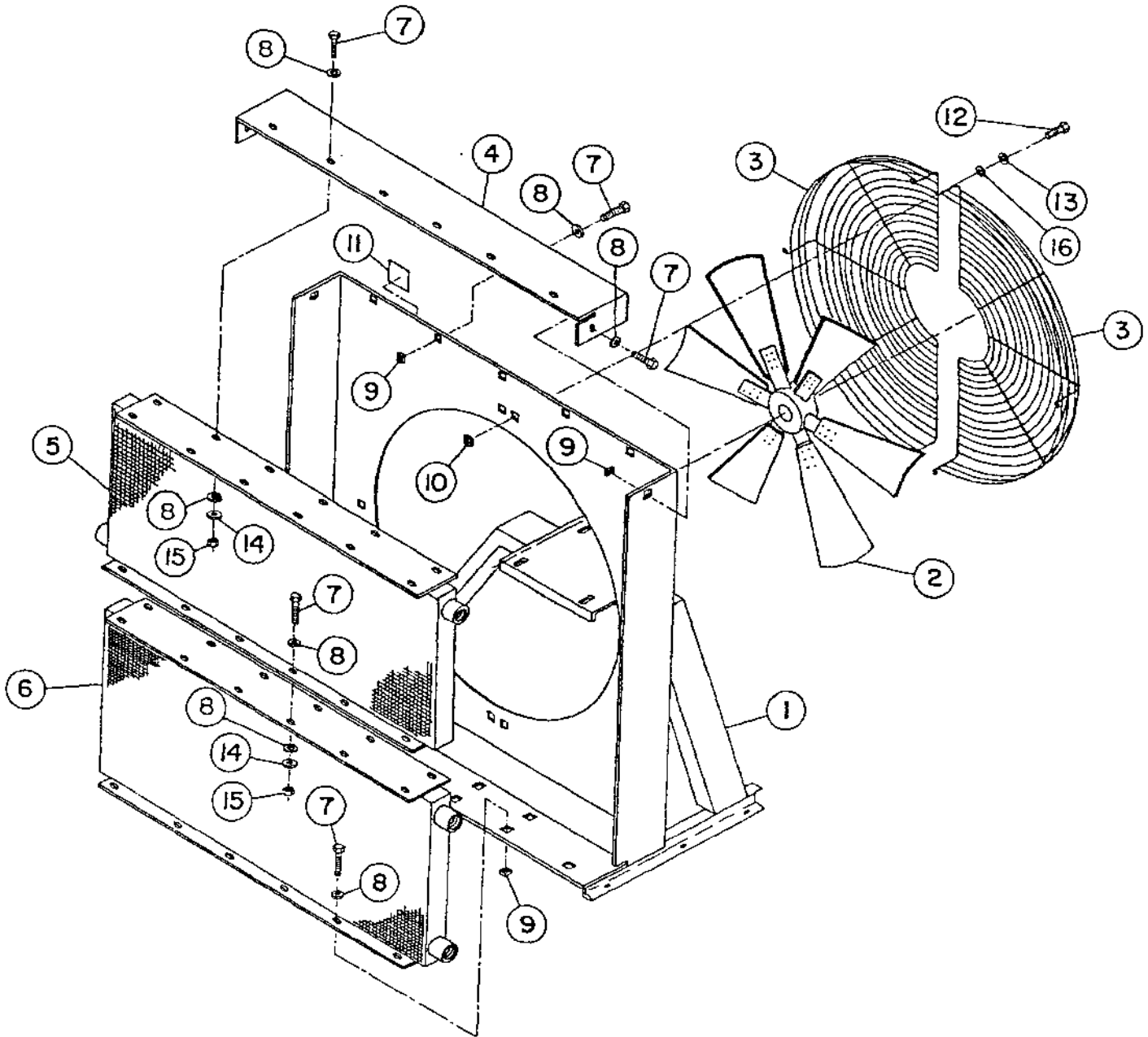
OIL COOLER GROUP 127239-001
(AIRCOOLED MODELS LESS AFTERCOOLER)



**OIL COOLER GROUP 127239-001
(AIRCOOLED MODELS LESS AFTERCOOLER)**

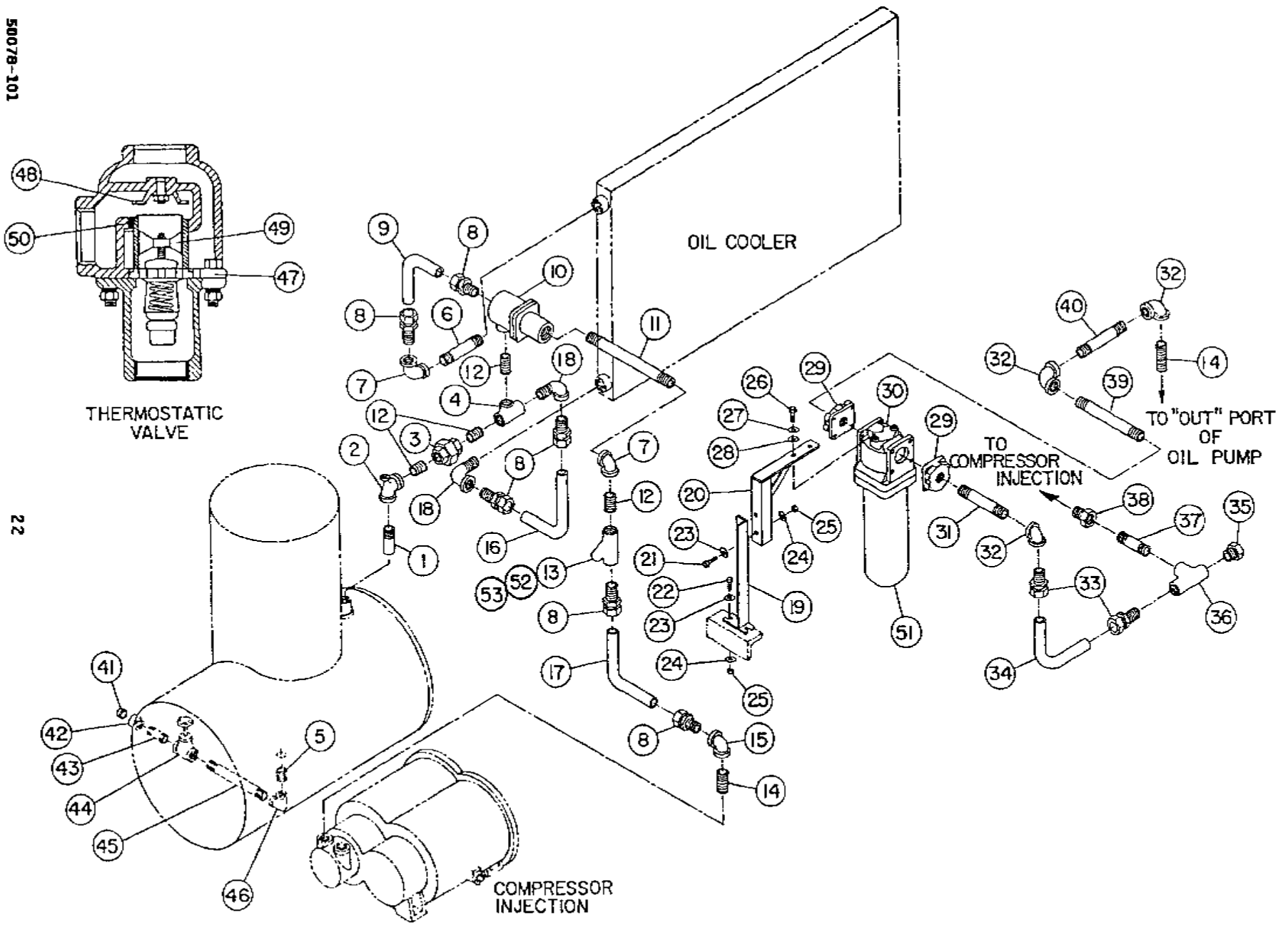
| INDEX NUMBER | QTY | PART NUMBER | DESCRIPTION |
|-----------------|-----|----------------|---|
| 1 | 1 | 127111 | FRAME-COOLER |
| 2 | 1 | 126511-002 | FAN |
| 3 | 2 | 120643 | GUARD-FAN |
| 4 | 1 | 127110 | CAP-COOLER FRAME |
| 5 | 1 | 127238 | BAFFLE-COOLER |
| 6 | 1 | 126735 | OIL COOLER |
| 7 | 31 | 123478-K12 | SCREW-HEX., 5/16-18 UNC X 1.00, GRADE 5 |
| 8 | 43 | 110428W031 | FLATWASHER-5/16 |
| 9 | 17 | 120686 | NUT-SPEED, 5/16-18 UNC |
| 10 | 6 | 123918-001 | NUT-SPEED, 1/4-20 UNC |
| 11 | 1 | 124938 | DECAL-"DANGER FAN" |
| 12 | 6 | 123478-J12 | SCREW-HEX., 1/4-20 UNC X 1.00, GRADE 5 |
| 13 | 6 | 110428W025 | FLATWASHER-1/4 |
| 14 | 12 | 123115-05C | LOCKWASHER-5/16 |
| 15 | 12 | 124364-K02 | NUT-HEX., 5/16-18 UNC |
| 16 | 6 | 123115-04C | LOCKWASHER-1/4 |

OIL COOLER GROUP 127200-001
(AIRCOOLED MODELS WITH AFTERCOOLER)



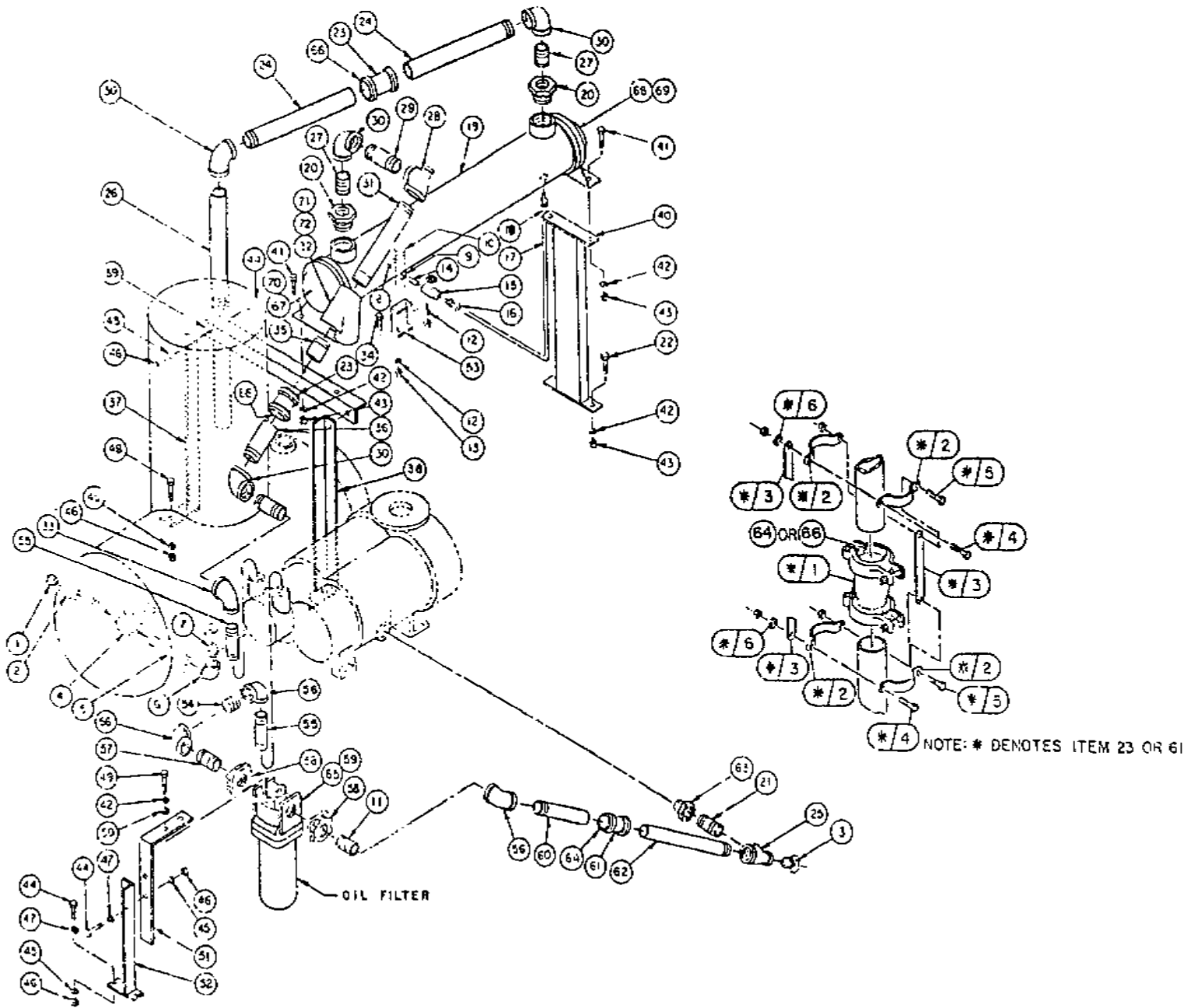
OIL COOLER GROUP 127200-001
(AIRCOOLED MODELS WITH AFTERCOOLER)

| INDEX NUMBER | QTY | PART NUMBER | DESCRIPTION |
|-----------------|-----|----------------|---|
| 1 | 1 | 127111 | FRAME-COOLER |
| 2 | 1 | 126511-002 | FAN |
| 3 | 2 | 120643 | GUARD-FAN |
| 4 | 1 | 127110 | CAP-COOLER FRAME |
| 5 | 1 | 126734 | AFTERCOOLER |
| 6 | 1 | 126735 | OIL COOLER |
| 7 | 35 | 123478-K12 | SCREW-HEX., 5/16-18 UNC X 1.00, GRADE 5 |
| 8 | 53 | 110428W031 | FLATWASHER-5/16 |
| 9 | 17 | 120686 | NUT-SPEED, 5/16-18 UNC |
| 10 | 6 | 123918-001 | NUT-SPEED, 1/4-20 UNC |
| 11 | 1 | 124938 | DECAL-"DANGER FAN" |
| 12 | 6 | 123478-J12 | SCREW-HEX., 1/4-20 UNC X 1.00, GRADE 5 |
| 13 | 6 | 110428W025 | FLATWASHER-1/4 |
| 14 | 18 | 123115-05C | LOCKWASHER-5/16 |
| 15 | 18 | 124364-K02 | NUT-HEX., 5/16-18 UNC |
| 16 | 6 | 123115-04C | LOCKWASHER-1/4 |



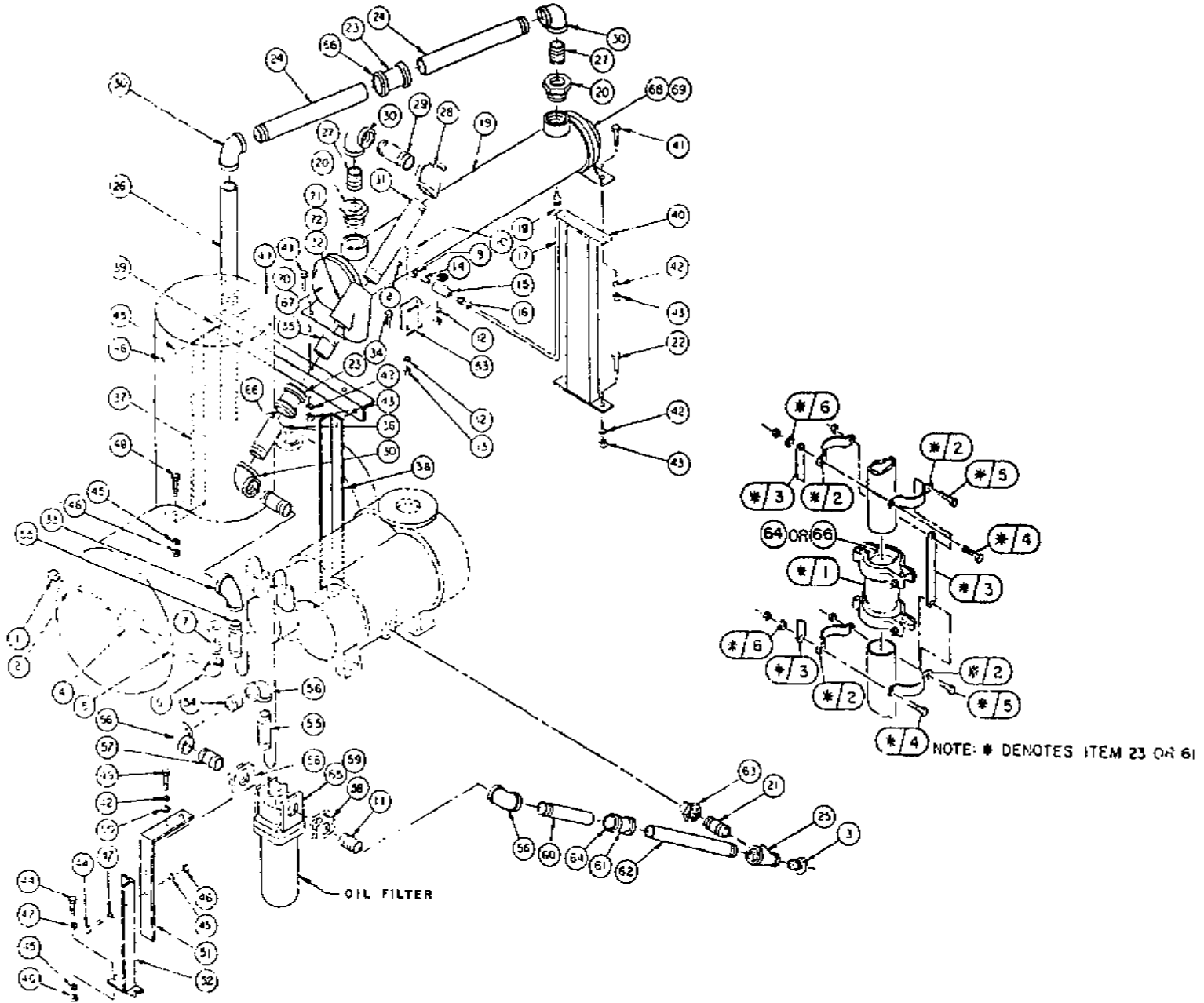
OIL PIPING GROUP 127118-001
(AIRCOOLED MODELS)

| INDEX NUMBER | QTY | PART NUMBER | DESCRIPTION |
|--------------|-----|-------------|---|
| 1 | 1 | 121060 | STANDPIPE |
| 2 | 1 | 21929 | TEE-PIPE,2 NPT X 1/2 NPT X 2 NPT |
| 3 | 1 | 127289-010 | UNION-PIPE,2 NPT |
| 4 | 1 | 20900 | TEE-PIPE,2 NPT X 2 NPT X 2 NPT |
| 5 | 1 | 125937-010 | NIPPLE-PIPE,1 NPT X 2.00 |
| 6 | 1 | 125940-042 | NIPPLE-PIPE,2 NPT X 6.00 |
| 7 | 2 | 4463 | ELBOW-PIPE,2 NPT |
| 8 | 6 | 23991 | FITTING-STRAIGHT,2 TUBE X 2 NPT |
| 9 | 1 | 121918-023 | TUBE-FORMED,2 O.D. |
| 10 | 1 | 20344 | VALVE-THERMAL |
| 11 | 1 | 125940-060 | NIPPLE-PIPE,2 NPT X 8.25 |
| 12 | 4 | 125940-001 | NIPPLE-PIPE,2 NPT X CLOSE |
| 13 | 1 | 22793-3 | STRAINER-2 NPT |
| 14 | 2 | 125939-020 | NIPPLE-PIPE,1-1/2 NPT X 3.25 |
| 15 | 1 | 122173 | ELBOW-PIPE,2 NPT X 1-1/2 NPT |
| 16 | 1 | 121918-066 | TUBE-FORMED,2 O.D. |
| 17 | 1 | 121918-019 | TUBE-FORMED,2 O.D. |
| 18 | 2 | 4462 | ELBOW-PIPE,2 NPT |
| 19 | 1 | 120908 | BRACKET-OIL FILTER |
| 20 | 1 | 124106 | BRACKET-OIL FILTER |
| 21 | 2 | 123478-L14 | SCREW-HEX.,3/8-16 UNC X 1.25,GRADE 5 |
| 22 | 2 | 123478-L15 | SCREW-HEX.,3/8-16 UNC X 1.50,GRADE 5 |
| 23 | 4 | 110428M038 | FLATWASHER-3/8 |
| 24 | 4 | 123115-06C | LOCKWASHER-3/8 |
| 25 | 4 | 124364-L02 | NUT-HEX.,3/8-16 UNC |
| 26 | 2 | 123478-N12 | SCREW-HEX.,1/2-13 UNC X 1.00,GRADE 5 |
| 27 | 2 | 123115-08C | LOCKWASHER-1/2 |
| 28 | 2 | 110428M050 | FLATWASHER-1/2 |
| 29 | 2 | 22716-2 | ADAPTER-OIL FILTER |
| 30 | 1 | 120901 | FILTER-OIL |
| 31 | 1 | 125939-022 | NIPPLE-PIPE,1-1/2 NPT X 3.50 |
| 32 | 3 | 4718 | ELBOW-PIPE,1-1/2 NPT |
| 33 | 2 | 23240 | FITTING-STRAIGHT,1-1/2 TUBE X 1-1/2 NPT |
| 34 | 1 | 121918-074 | TUBE-FORMED,1-1/2 O.D. |
| 35 | 1 | 2754 | BUSHING-PIPE,1 NPT X 1/2 NPT |
| 36 | 1 | 120463 | TEE-PIPE,1-1/2 NPT X 1 NPT X 1-1/2 NPT |
| 37 | 1 | 125939-014 | NIPPLE-PIPE,1-1/2 NPT X 2.50 |
| 38 | 1 | 6064 | BUSHING-PIPE,2 NPT X 1-1/2 NPT |
| 39 | 1 | 125939-026 | NIPPLE-PIPE,1-1/2 NPT X 4.00 |
| 40 | 1 | 125939-001 | NIPPLE-PIPE,1-1/2 NPT X CLOSE |
| 41 | 1 | 4735 | PLUG-PIPE,1 NPT |
| 42 | 1 | 21149 | COUPLING-PIPE,1 NPT |
| 43 | 1 | 125937-014 | NIPPLE-PIPE,1 NPT X 2.50 |
| 44 | 1 | 5051 | VALVE-GLOBE,1 NPT |
| 45 | 1 | 125937-090 | NIPPLE-PIPE,1 NPT X 12.00 |
| 46 | 1 | 3004 | ELBOW-PIPE,1 NPT |
| | | | MAINTENANCE PARTS |
| 47 | 1 | 20344-053 | GASKET-HOUSING,THERMAL VALVE |
| 48 | 1 | 20344-050 | SEAT-ELEMENT,THERMAL VALVE |
| 49 | 1 | 20344-052 | ELEMENT-THERMAL VALVE |
| 50 | 1 | 20344-051 | "O"RING-ELEMENT SEAL |
| 51 | 1 | 121015 | KIT-OIL FILTER |
| | | | INCLUDES: |
| | 1 | 22722-2 | SEAL-HOUSING (CANNISTER TO HOUSING) |
| | 1 | 22722-1 | ELEMENT-OIL FILTER (TOP) |
| | 1 | 121015-1 | ELEMENT-OIL FILTER (BOTTOM) |
| 52 | 1 | 22793-050 | ELEMENT-STRAINER |
| 53 | 1 | 22793-051 | GASKET-STRAINER HOUSING |



OIL PIPING GROUP 120133-001
(WATERCOOLED MODELS)

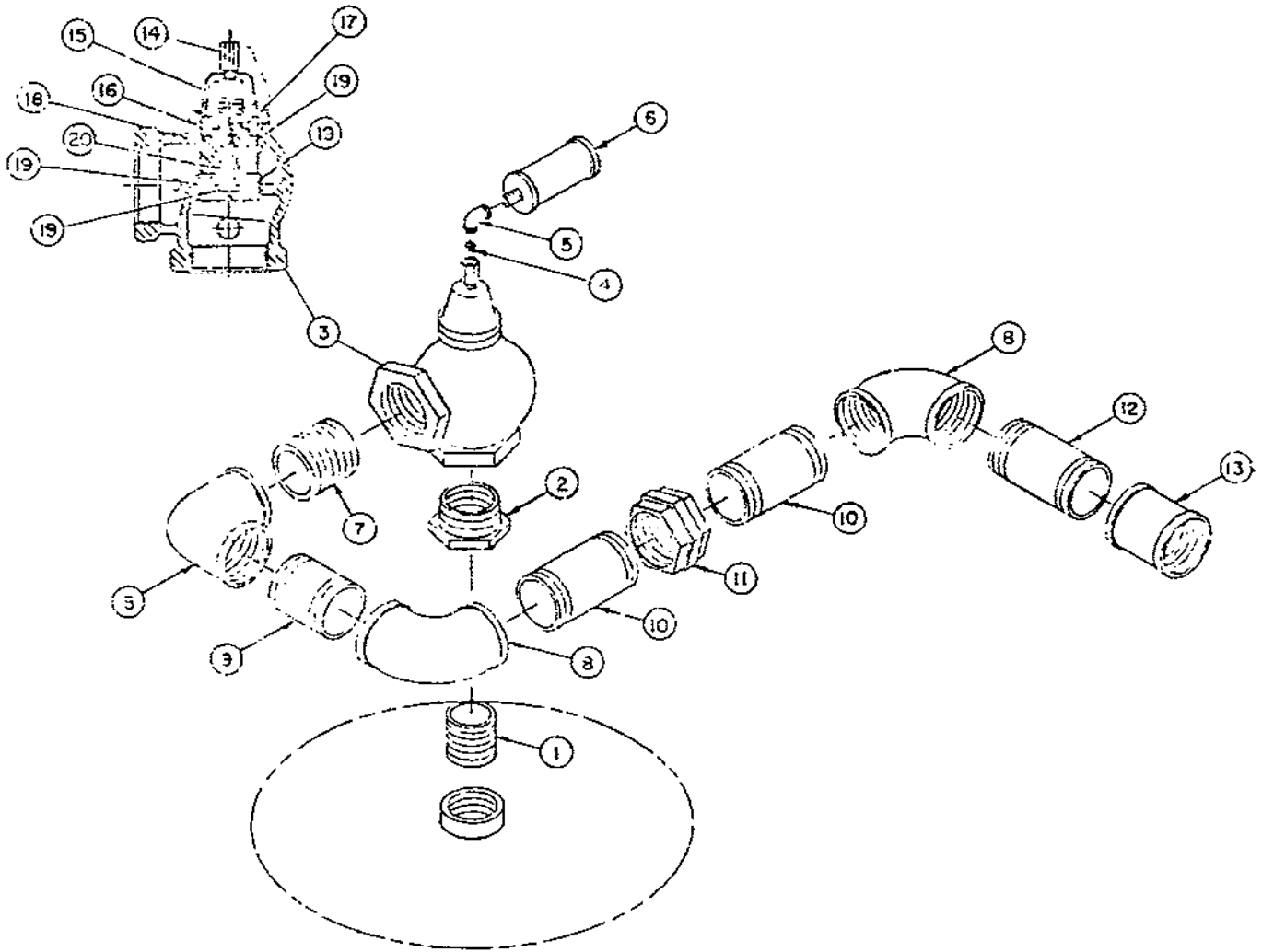
| INDEX NUMBER | QTY | PART NUMBER | DESCRIPTION |
|--------------|-----|-------------|--|
| 1 | 1 | 4735 | PLUG-PIPE,1 NPT |
| 2 | 1 | 21149 | COUPLING-PIPE,1 NPT |
| 3 | 1 | 2754 | BUSHING-PIPE,1 NPT X 1/2 NPT |
| 4 | 1 | 5051 | VALVE-GLOBE,1 NPT |
| 5 | 1 | 125937-062 | NIPPLE-PIPE,1 NPT X 8.50 |
| 6 | 1 | 4464 | ELBOW-PIPE,1 NPT |
| 7 | 1 | 125937-010 | NIPPLE-PIPE,1 NPT X 2.00 |
| 8 | 1 | 2721 | PLUG-PIPE,1/2 NPT |
| 9 | 1 | 21386 | COUPLING-PIPE,1/2 NPT |
| 10 | 1 | 120320 | "U"BOLT-1/4-20 UNC |
| 11 | 1 | 125939-018 | NIPPLE-PIPE,1-1/2 NPT X 3.00 |
| 12 | 4 | 123115-04C | LOCKWASHER-1/4 |
| 13 | 2 | 124364-J02 | NUT-HEX.,1/4-20 UNC |
| 14 | 1 | 125935-006 | NIPPLE-PIPE,1/2 NPT X 1.50 |
| 15 | 1 | 6153 | VALVE-GLOBE,1/2 NPT |
| 16 | 1 | 9178 | FITTING-STRAIGHT,1/2 TUBE X 1/2 NPT |
| 17 | 4 | 110515-050 | TUBE-COPPER,1/2 O.D. |
| 18 | 1 | 2042 | FITTING-STRAIGHT,1/2 TUBE X 3/8 NPT |
| 19 | 1 | 22708-5 | COOLER-OIL |
| 20 | 2 | 4808 | BUSHING-PIPE,3 NPT X 2 NPT |
| 21 | 1 | 125939-014 | NIPPLE-PIPE,1-1/2 NPT X 2.50 |
| 22 | 2 | 123478-N15 | SCREW-HEX.,1/2-13 UNC X 1.50,GRADE 5 |
| 23 | 2 | 124831-001 | COUPLING ASSEMBLY,2.00 |
| 23/1 | 1 | 23288 | COUPLING-FLEXIBLE |
| 23/2 | 2 | 124450-001 | CLAMP-PIPE,2.00 |
| 23/3 | 2 | 124451-001 | BAR-TENSION |
| 23/4 | 2 | 123478-N15 | SCREW-HEX.,1/2-13 UNC X 1.50,GRADE 5 |
| 23/5 | 2 | 123478-N17 | SCREW-HEX.,1/2-13 UNC X 2.00,GRADE 5 |
| 23/6 | 4 | 123115-08C | LOCKWASHER-1/2 |
| 24 | 2 | 126036-153 | NIPPLE-PIPE,2 NPT X 20.00 |
| 25 | 1 | 120463 | TEE-PIPE,1-1/2 NPT X 1 NPT X 1-1/2 NPT |
| 26 | 1 | 120592 | STAND PIPE |
| 27 | 2 | 125940-001 | NIPPLE-PIPE,2 NPT X CLOSE |
| 28 | 1 | 20393 | TEE-PIPE,2 NPT X 3/4 NPT X 2 NPT |
| 29 | 1 | 125940-018 | NIPPLE-PIPE,2 NPT X 3.00 |
| 30 | 4 | 4463 | ELBOW-PIPE,2 NPT |
| 31 | 1 | 125940-108 | NIPPLE-PIPE,2 NPT X 14.25 |
| 32 | 1 | 22793-3 | STRAINER-2 NPT |
| 33 | 1 | 122173 | ELBOW-PIPE,2 NPT X 1-1/2 NPT |
| 34 | 2 | 123478-J15 | SCREW-HEX.,1/4-20 UNC X 1.50,GRADE 5 |
| 35 | 1 | 126036-041 | NIPPLE-PIPE,2 NPT X 6.00 |
| 36 | 1 | 125940-058 | NIPPLE-PIPE,2 NPT X 8.00 |
| 37 | 1 | 120593 | UPRIGHT-COOLER BRACKET (LEFT HAND) |
| 38 | 1 | 120594 | UPRIGHT-COOLER BRACKET (RIGHT HAND) |
| 39 | 1 | 120595 | CROSSBAR-COOLER SUPPORT |
| 40 | 1 | 120591 | BRACKET-OIL COOLER SUPPORT |
| 41 | 4 | 123478-N14 | SCREW-HEX.,1/2-13 UNC X 1.25,GRADE 5 |
| 42 | 8 | 123115-08C | LOCKWASHER-1/2 |
| 43 | 6 | 124364-N02 | NUT-HEX.,1/2-13 UNC |
| 44 | 4 | 123478-L14 | SCREW-HEX.,3/8-16 UNC X 1.25,GRADE 5 |
| 45 | 10 | 123115-06C | LOCKWASHER-3/8 |
| 46 | 10 | 124364-L02 | NUT-HEX.,3/8-16 UNC |
| 47 | 4 | 110428M038 | FLATWASHER-3/8 |
| 48 | 6 | 123478-L15 | SCREW-HEX.,3/8-16 UNC X 1.50,GRADE 5 |
| 49 | 2 | 123478-N12 | SCREW-HEX.,1/2-13 UNC X 1.00,GRADE 5 |
| 50 | 2 | 110428M050 | FLATWASHER-1/2 |
| 51 | 1 | 124103 | BRACKET-OIL FILTER |
| 52 | 1 | 120908 | BRACKET-OIL FILTER |
| 53 | 1 | 124092 | BRACKET-SUPPORT |
| 54 | 1 | 125939-001 | NIPPLE-PIPE,1-1/2 NPT X CLOSE |
| 55 | 2 | 125939-022 | NIPPLE-PIPE,1-1/2 NPT X 3.50 |
| 56 | 3 | 4718 | ELBOW-PIPE,1-1/2 NPT |
| 57 | 1 | 6183 | NIPPLE-PIPE,1-1/2 NPT X 4.00 |
| 58 | 2 | 22716-2 | ADAPTER-OIL FILTER |
| 59 | 1 | 120901 | FILTER-OIL |
| 60 | 1 | 126035-083 | NIPPLE-PIPE,1-1/2 NPT X 11.25 |



OIL PIPING GROUP 120133-001
 (CONTINUED FROM PAGE 25)

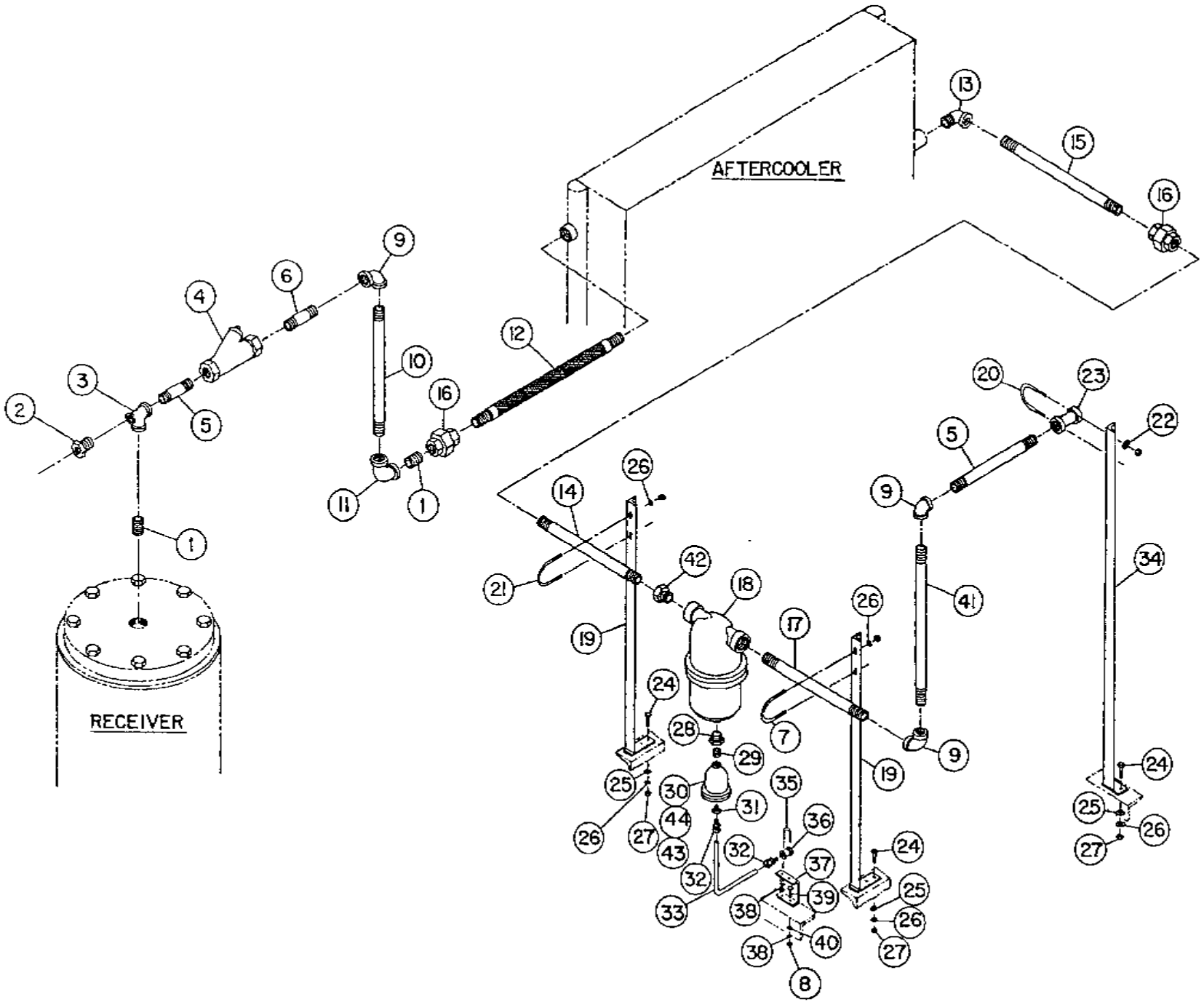
| INDEX NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|------------------------------------|-------------|-------------|---------------------------------------|
| 61 | 1 | 124831-008 | COUPLING ASSEMBLY,1.50 |
| 61/1 | 1 | 20089 | COUPLING-FLEXIBLE |
| 61/2 | 2 | 124450-005 | CLAMP-PIPE,1.50 |
| 61/3 | 2 | 124451-006 | BAR-TENSION |
| 61/4 | 2 | 123478-K12 | SCREW-HEX.,5/16-18 UNC X 1.00,GRADE 5 |
| 61/5 | 2 | 123478-K14 | SCREW-HEX.,5/16-18 UNC X 1.25,GRADE 5 |
| 61/6 | 2 | 123115-05C | LOCKWASHER-5/16 |
| 62 | 1 | 126035-101 | NIPPLE-PIPE,1-1/2 NPT X 13.50 |
| 63 | 1 | 6064 | BUSHING-PIPE,2 NPT X 1-1/2 NPT |
| MAINTENANCE PARTS | | | |
| 64 | 2 | 121798 | SEAL-COUPLING,1.50 |
| 65 | 1 | 121015 | KIT-OIL FILTER |
| 66 | 2 | 121823 | SEAL-COUPLING,2.00 |
| FOR BASCO COOLER | | | |
| 67 | 1 | 22709-618 | GASKET-RETURN END |
| 68 | 1 | 22709-615 | BONNET-IN/OUT END |
| 69 | 1 | 22709-617 | GASKET-IN/OUT END |
| 70 | 1 | 22709-616 | BONNET-RETURN END |
| FOR THERMAL TRANSFER COOLER | | | |
| 67 | 1 | 22709-628 | GASKET-RETURN END |
| 68 | 1 | 22709-625 | BONNET-IN/OUT END |
| 69 | 1 | 22709-627 | GASKET-IN/OUT END |
| 70 | 1 | 22709-626 | BONNET-RETURN END |
| 71 | 1 | 22793-051 | GASKET-STRAINER HOUSING |
| 72 | 1 | 22793-050 | ELEMENT-STRAINER |

AIR PIPING GROUPS
(LESS AFTERCOOLER)



AIR PIPING GROUPS
(LESS AFTERCOOLER)

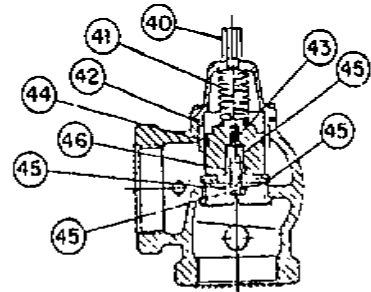
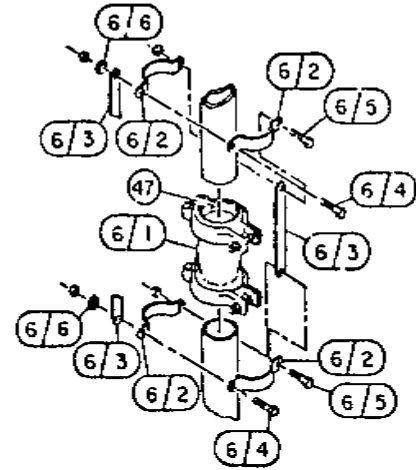
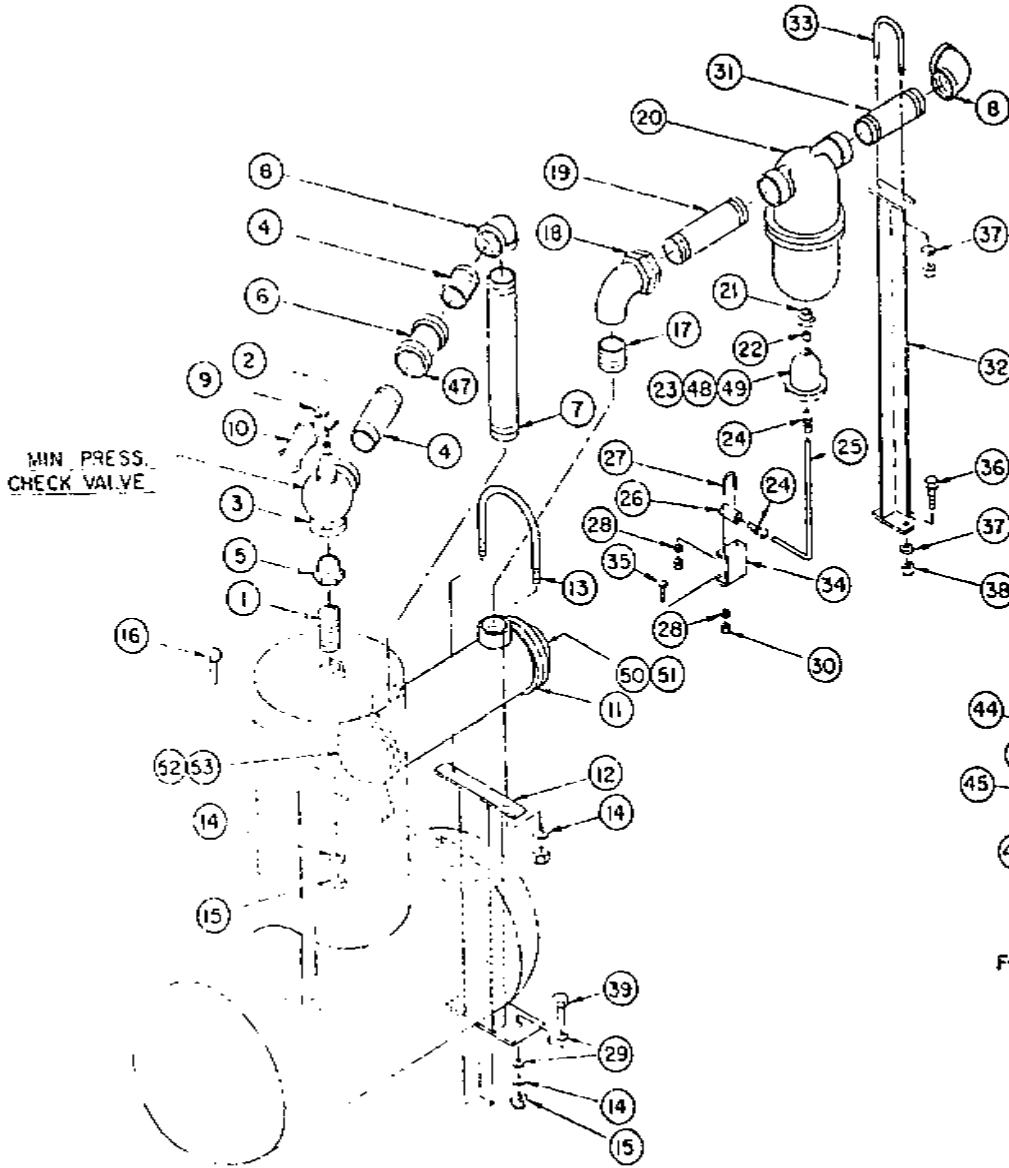
| INDEX NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|---|-------------|----------------|--------------------------------------|
| AIR PIPING GROUP 124051-001 (LESS CABINET) | | | |
| 1 | 1 | 125941-001 | NIPPLE-PIPE,2-1/2 NPT X CLOSE |
| 2 | 1 | 120585 | BUSHING-PIPE,3 NPT X 2-1/2 NPT |
| 3 | 1 | 122501-4 | VALVE-PRESSURE REGULATOR |
| 4 | 1 | 125933-001 | NIPPLE-PIPE,1/4 NPT X CLOSE |
| 5 | 1 | 6789 | ELBOW-PIPE,3/8 NPT X 1/4 NPT |
| 6 | 1 | 21615 | MUFFLER-EXHAUST |
| AIR PIPING GROUP 124051-002 (WITH CABINET) | | | |
| 1 | 1 | 125941-001 | NIPPLE-PIPE,2-1/2 NPT X CLOSE |
| 2 | 1 | 120585 | BUSHING-PIPE,3 NPT X 2-1/2 NPT |
| 3 | 1 | 122501-4 | VALVE-PRESSURE REGULATOR |
| 4 | 1 | 125933-001 | NIPPLE-PIPE,1/4 NPT X CLOSE |
| 5 | 1 | 6789 | ELBOW-PIPE,3/8 NPT X 1/4 NPT |
| 6 | 1 | 21615 | MUFFLER-EXHAUST |
| 7 | 1 | 125942-001 | NIPPLE-PIPE,3 NPT X CLOSE |
| 8 | 3 | 9524 | ELBOW-PIPE,3 NPT |
| 9 | 1 | 125942-022 | NIPPLE-PIPE,3 NPT X 3.50 |
| 10 | 2 | 125942-030 | NIPPLE-PIPE,3 NPT X 4.50 |
| 11 | 1 | 22081 | UNION-PIPE,3 NPT |
| 12 | 1 | 125942-042 | NIPPLE-PIPE,3 NPT X 6.00 |
| 13 | 1 | 22071 | COUPLING-PIPE,3 NPT |
| MAINTENANCE PARTS | | | |
| 14 | 1 | 122501-050 | VALVE-MINIMUM PRESSURE CONTROL (MPC) |
| 15 | 1 | 124833 | SPRING-MPC VALVE |
| 16 | 1 | 124834 | "O"RING-MPC VALVE |
| 17 | 1 | 124735 | SPRING-MPC VALVE |
| 18 | 1 | 124835 | "O"RING-MPC VALVE |
| 19 | 1 | 124837 | SEAT ASSEMBLY-MPC VALVE |
| | | | INCLUDES: |
| | 1 | | SHELL-SEAT |
| | 1 | | DISC-SEAT |
| | 1 | | SCREW |
| | 1 | | WASHER |
| 20 | 1 | 124836 | "U"PACKING-MPC VALVE |



AIR PIPING GROUP 127117-001
(AIRCOOLED MODELS WITH AFTERCOOLER)

AIR PIPING GROUP 127117-001
(AIRCOOLED MODELS WITH AFTERCOOLER)

| INDEX NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|--------------------------|-------------|-------------|--|
| 1 | 2 | 125941-001 | NIPPLE-PIPE,2-1/2 NPT X CLOSE |
| 2 | 1 | 122207 | BUSHING-PIPE,2-1/2 NPT X 3/4 NPT |
| 3 | 1 | 23281 | TEE-PIPE,3 NPT X 2-1/2 NPT X 2-1/2 NPT |
| 4 | 1 | 21706 | VALVE-SHING CHECK,3 NPT |
| 5 | 2 | 125942-018 | NIPPLE-PIPE,3 NPT X 3.00 |
| 6 | 1 | 122211-8 | ORIFICE-SONIC |
| 7 | 1 | 23732 | "U"BOLT-3/8-16 UNC |
| 8 | 2 | 124364-J02 | NUT-HEX.,1/4-20 UNC |
| 9 | 3 | 9524 | ELBOW-PIPE,3 NPT |
| 10 | 1 | 125942-034 | NIPPLE-PIPE,3 NPT X 5.00 |
| 11 | 1 | 23910 | ELBOW-PIPE,3 NPT X 2-1/2 NPT |
| 12 | 1 | 127116 | HOSE-FLEXMETAL |
| 13 | 1 | 5223 | ELBOW-PIPE,2-1/2 NPT |
| 14 | 1 | 125941-082 | NIPPLE-PIPE,2-1/2 NPT X 11.00 |
| 15 | 1 | 125941-026 | NIPPLE-PIPE,2-1/2 NPT X 4.00 |
| 16 | 2 | 127289-011 | UNION-PIPE,2-1/2 NPT |
| 17 | 1 | 125942-070 | NIPPLE-PIPE,3 NPT X 9.50 |
| 18 | 1 | 9752 | SEPARATOR-MOISTURE |
| 19 | 2 | 127115 | BRACKET-PIPE SUPPORT |
| 20 | 1 | 23256 | "U"BOLT-1/2-13 UNC |
| 21 | 1 | 20651 | "U"BOLT-3/8-16 UNC |
| 22 | 2 | 123115-08C | LOCKWASHER-1/2 |
| 23 | 1 | 22071 | COUPLING-PIPE,3 NPT |
| 24 | 6 | 123478-L15 | SCREW-HEX.,3/8-16 UNC X 1.50,GRADE 5 |
| 25 | 6 | 20105 | WASHER-3/8 BEVEL |
| 26 | 10 | 123115-06C | LOCKWASHER-3/8 |
| 27 | 6 | 124364-L02 | NUT-HEX.,3/8-16 UNC |
| 28 | 1 | 3384 | BUSHING-PIPE,1-1/4 NPT X 3/4 NPT |
| 29 | 1 | 125936-062 | NIPPLE-PIPE,3/4 NPT X 8.50 |
| 30 | 1 | 7899-150 | TRAP-MOISTURE |
| 31 | 1 | 3139 | BUSHING-PIPE,3/4 NPT X 1/2 NPT |
| 32 | 2 | 9178 | FITTING-STRAIGHT,1/2 TUBE X 1/2 NPT |
| 33 | 1FT | 110515-050 | TUBE-COPPER,1/2 O.D. |
| 34 | 1 | 121800 | BRACKET-PIPE SUPPORT |
| 35 | 1 | 120320 | "U"BOLT-1/4-20 UNC |
| 36 | 1 | 21386 | COUPLING-PIPE,1/2 NPT |
| 37 | 1 | 124092 | BRACKET-SUPPORT |
| 38 | 4 | 123115-04C | LOCKWASHER-1/4 |
| 39 | 2 | 123478-J15 | SCREW-HEX.,1/4-20 UNC X 1.50,GRADE 5 |
| 40 | 2 | 20612 | WASHER-BEVEL,1/4 |
| 41 | 1 | 125942-140 | NIPPLE-PIPE,3 NPT X 18.25 |
| 42 | 1 | 120585 | BUSHING-PIPE,3 NPT X 2-1/2 NPT |
| MAINTENANCE PARTS | | | |
| 43 | 1 | 7899-051 | REPAIR KIT-MOISTURE TRAP |
| 44 | 1 | 8230 | GASKET-MOISTURE TRAP |

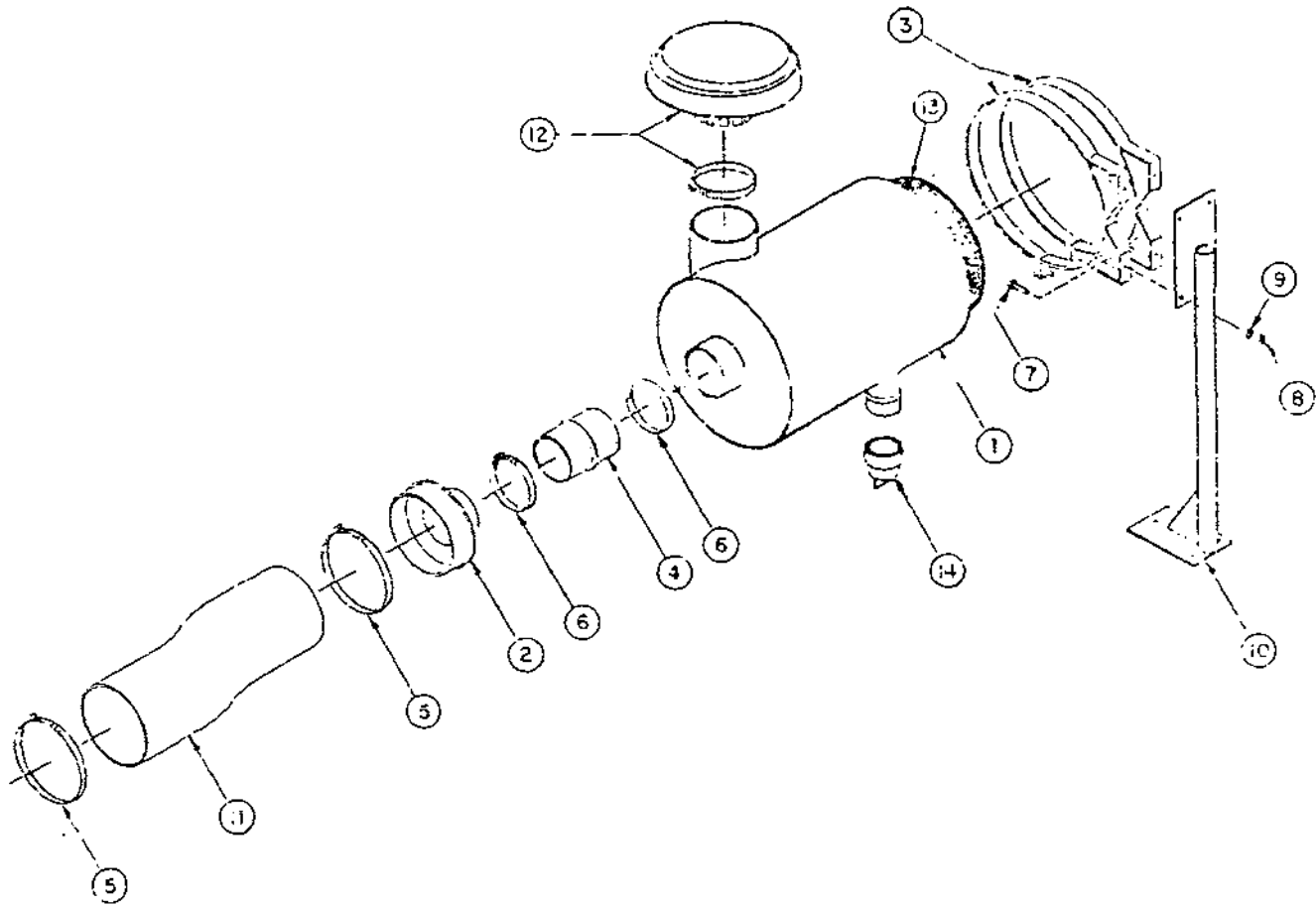


REPLACEMENT PARTS
FOR MPC VALVE INDEX NO. 3

AIR PIPING GROUP 124053-001
(WATERCOOLED MODELS WITH AFTERCOOLER)

| INDEX NUMBER | QTY | PART NUMBER | DESCRIPTION |
|--------------|-----|-------------|--|
| 1 | 1 | 125941-001 | NIPPLE-PIPE, 2-1/2 NPT X CLOSE |
| 2 | 1 | 125933-001 | NIPPLE-PIPE, 1/4 NPT X CLOSE |
| 3 | 1 | 122501-4 | VALVE-PRESSURE REGULATOR |
| 4 | 2 | 126038-065 | NIPPLE-PIPE, 3 NPT X 9.00 |
| 5 | 1 | 120585 | BUSHING-PIPE, 3 NPT X 2-1/2 NPT |
| 6 | 1 | 124831-003 | COUPLING ASSEMBLY |
| 6/1 | 1 | 21702 | COUPLING-FLEXIBLE, 3.00 |
| 6/2 | 2 | 124450-003 | CLAMP-PIPE, 3.00 |
| 6/3 | 2 | 124451-002 | BAR-TENSION |
| 6/4 | 2 | 123478-N15 | SCREW-HEX., 1/2-13 UNC X 1.50, GRADE 5 |
| 6/5 | 2 | 123478-N17 | SCREW-HEX., 1/2-13 UNC X 2.00, GRADE 5 |
| 6/6 | 2 | 123115-08C | LOCKWASHER-1/2 |
| 7 | 1 | 125942-094 | NIPPLE-PIPE, 3 NPT X 12.50 |
| 8 | 2 | 9524 | ELBOW-PIPE, 3 NPT |
| 9 | 1 | 6789 | ELBOW-PIPE, 3/8 NPT X 1/4 NPT |
| 10 | 1 | 21615 | MUFFLER-EXHAUST |
| 11 | 1 | 22709-6 | AFTERCOOLER |
| 12 | 1 | 120587 | BRACKET-AFTERCOOLER SUPPORT |
| 13 | 1 | 23255 | "U"BOLT-1/2-13 UNC |
| 14 | 6 | 123115-08C | LOCKWASHER-1/2 |
| 15 | 4 | 124364-N02 | NUT-HEX., 1/2-13 UNC |
| 16 | 2 | 123478-N14 | SCREW-HEX., 1/2-13 UNC X 1.25, GRADE 5 |
| 17 | 1 | 125942-001 | NIPPLE-PIPE, 3 NPT X CLOSE |
| 18 | 1 | 23878 | ELBOW-3" NPT UNION |
| 19 | 1 | 125942-07D | NIPPLE-PIPE, 3 NPT X 9.50 |
| 20 | 1 | 9752 | SEPARATOR-MOISTURE |
| 21 | 1 | 3384 | BUSHING-PIPE, 1-1/4 NPT X 3/4 NPT |
| 22 | 1 | 125936-001 | NIPPLE-PIPE, 3/4 NPT X CLOSE |
| 23 | 1 | 7899-150 | TRAP-MOISTURE |
| 24 | 2 | 9178 | FITTING-STRAIGHT, 1/2 TUBE X 1/2 NPT |
| 25 | 2 | 110515-050 | TUBE-COPPER, 1/2 O.D. |
| 26 | 1 | 21386 | COUPLING-PIPE, 1/2 NPT |
| 27 | 1 | 120320 | "U"BOLT-1/4-20 UNC |
| 28 | 4 | 123115-04C | LOCKWASHER-1/4 |
| 29 | 2 | 110428M050 | FLATWASHER-1/2 |
| 30 | 2 | 124364-J02 | NUT-HEX., 1/4-20 UNC |
| 31 | 1 | 125942-050 | NIPPLE-PIPE, 3 NPT X 7.00 |
| 32 | 1 | 120586 | BRACKET-MOISTURE SEPARATOR SUPPORT |
| 33 | 1 | 23732 | "U"BOLT-3/8-16 UNC |
| 34 | 1 | 124092 | BRACKET-SUPPORT |
| 35 | 2 | 123478-J15 | SCREW-HEX., 1/4-20 UNC X 1.50, GRADE 5 |
| 36 | 2 | 123478-L15 | SCREW-HEX., 3/8-16 UNC X 1.50, GRADE 5 |
| 37 | 4 | 123115-06C | LOCKWASHER-3/8 |
| 38 | 2 | 124364-L02 | NUT-HEX., 3/8-16 UNC |
| 39 | 2 | 123478-N15 | SCREW-HEX., 1/2-13 UNC X 1.50, GRADE 5 |
| | | | MAINTENANCE PARTS |
| 40 | 1 | 122501-050 | VALVE-MINIMUM PRESSURE CONTROL (MPC) |
| 41 | 1 | 124833 | SPRING-MPC VALVE |
| 42 | 1 | 124834 | "O"RING-MPC VALVE |
| 43 | 1 | 124735 | SPRING-MPC VALVE |
| 44 | 1 | 124835 | "O"RING-MPC VALVE |
| 45 | 1 | 124837 | SEAT ASSEMBLY-MPC VALVE |
| | | | INCLUDES: |
| | 1 | | SHELL-SEAT |
| | 1 | | DISC-SEAT |
| | 1 | | SCREW |
| | 1 | | WASHER |
| 46 | 1 | 124836 | "U"PACKING-MPC VALVE |
| 47 | 2 | 121824 | SEAL-COUPLING, 3.00 |
| 48 | 1 | 8230 | GASKET-MOISTURE TRAP |
| 49 | 1 | 7899-051 | REPAIR KIT-MOISTURE TRAP |
| | | | FOR BASCO COOLER |
| 50 | 1 | 22709-615 | BONNET-IN/OUT END |
| 51 | 1 | 22709-617 | GASKET-IN/OUT END |
| 52 | 1 | 22709-616 | BONNET-RETURN END |
| 53 | 1 | 22709-618 | GASKET-RETURN END |
| | | | FOR THERMAL TRANSFER COOLER |
| 50 | 1 | 22709-625 | BONNET-IN/OUT END |
| 51 | 1 | 22709-626 | BONNET-RETURN END |
| 52 | 1 | 22709-627 | GASKET-IN/OUT END |
| 53 | 1 | 22709-628 | GASKET-RETURN END |

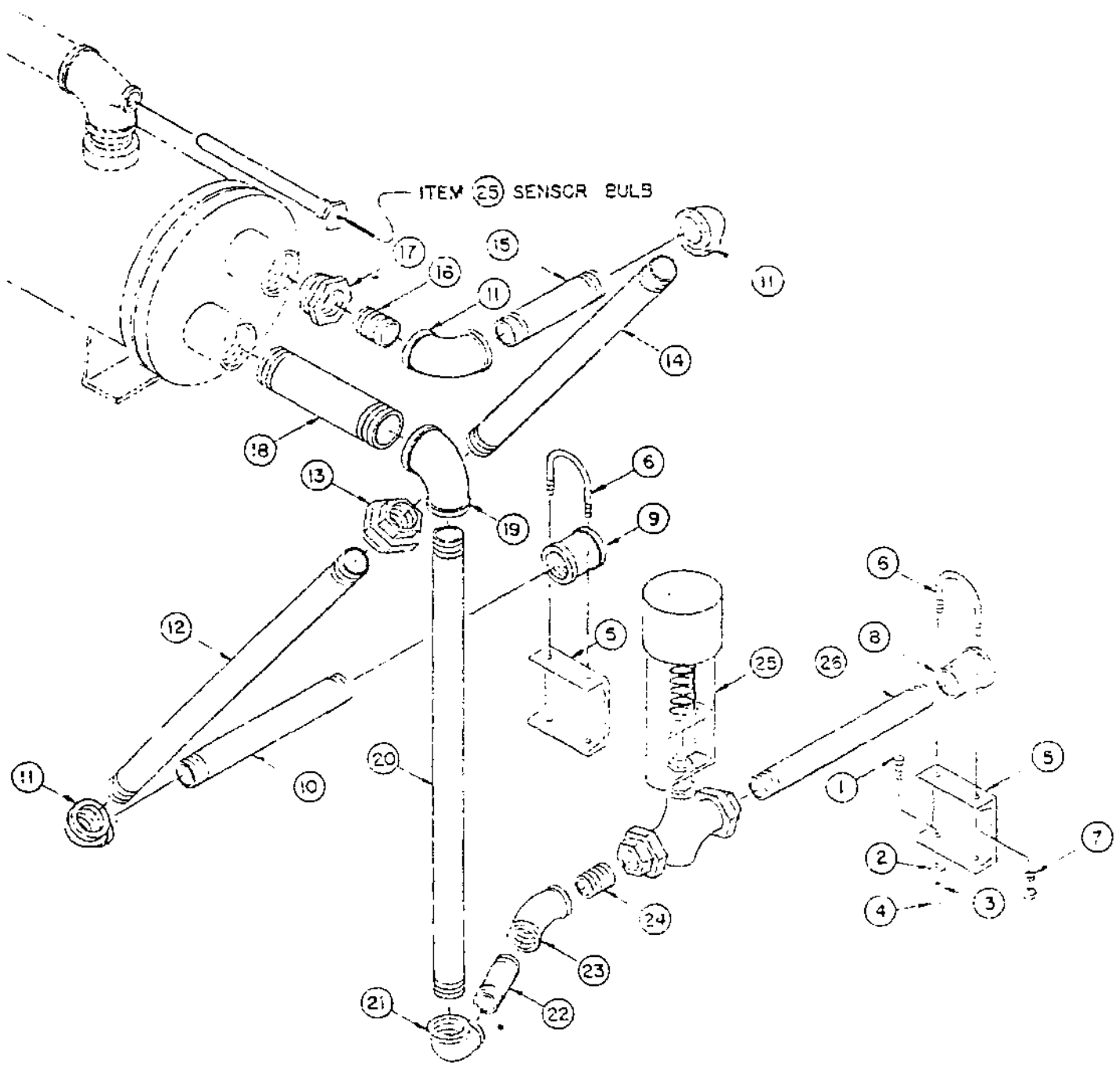
AIR FILTER GROUP 120137-001



AIR FILTER GROUP 120137-001

| INDEX NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|--------------------------|-------------|----------------|--|
| 1 | 1 | 22864-9 | FILTER-AIR |
| 2 | 1 | 120648 | ADAPTER |
| 3 | 2 | 120002 | BAND-MOUNTING |
| 4 | 1 | 20682 | CONNECTOR-6" |
| 5 | 2 | 110423-160 | CLAMP-HOSE |
| 6 | 2 | 110423-112 | CLAMP-HOSE |
| 7 | 4 | 123478-L12 | SCREW-HEX., 3/8-16 UNC X 1.00, GRADE 5 |
| 8 | 4 | 124364-102 | NUT-HEX., 3/8-16 UNC |
| 9 | 4 | 123115-06C | LOCKWASHER-3/8 |
| 10 | 1 | 120641 | BRACKET |
| 11 | 2FT | 23308 | HOSE-FLEXIBLE |
| 12 | 1 | 20680 | HOOD-AIR INLET |
| <u>MAINTENANCE PARTS</u> | | | |
| 13 | 1 | 23458-5 | ELEMENT-AIR FILTER |
| 14 | 1 | 121291 | COVER-DUST |

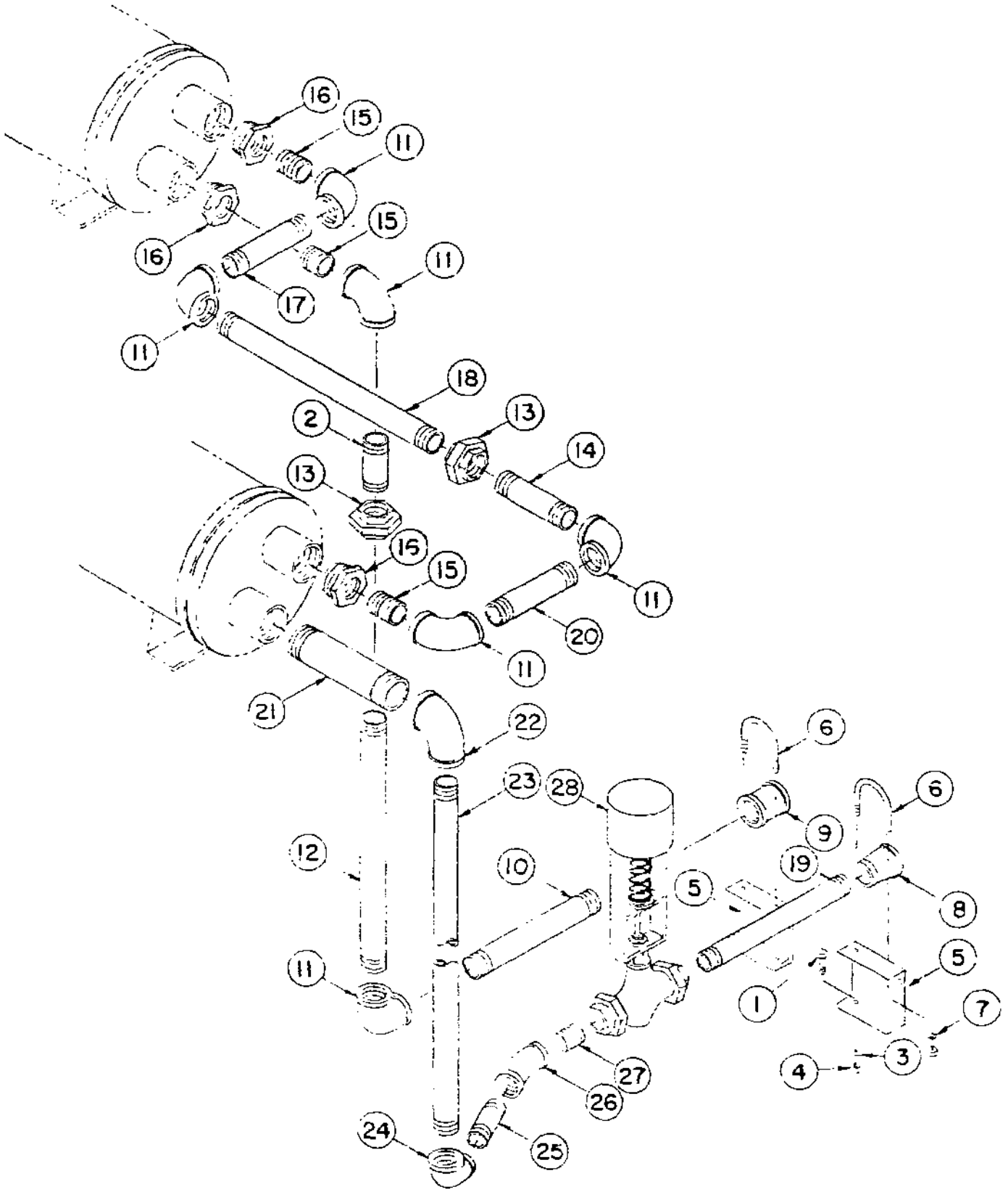
WATER PIPING GROUP 120634-001
(WATERCOOLED MODELS LESS AFTERCOOLER)



WATER PIPING GROUP 120634-001
(WATERCOOLED MODELS LESS AFTERCOOLER)

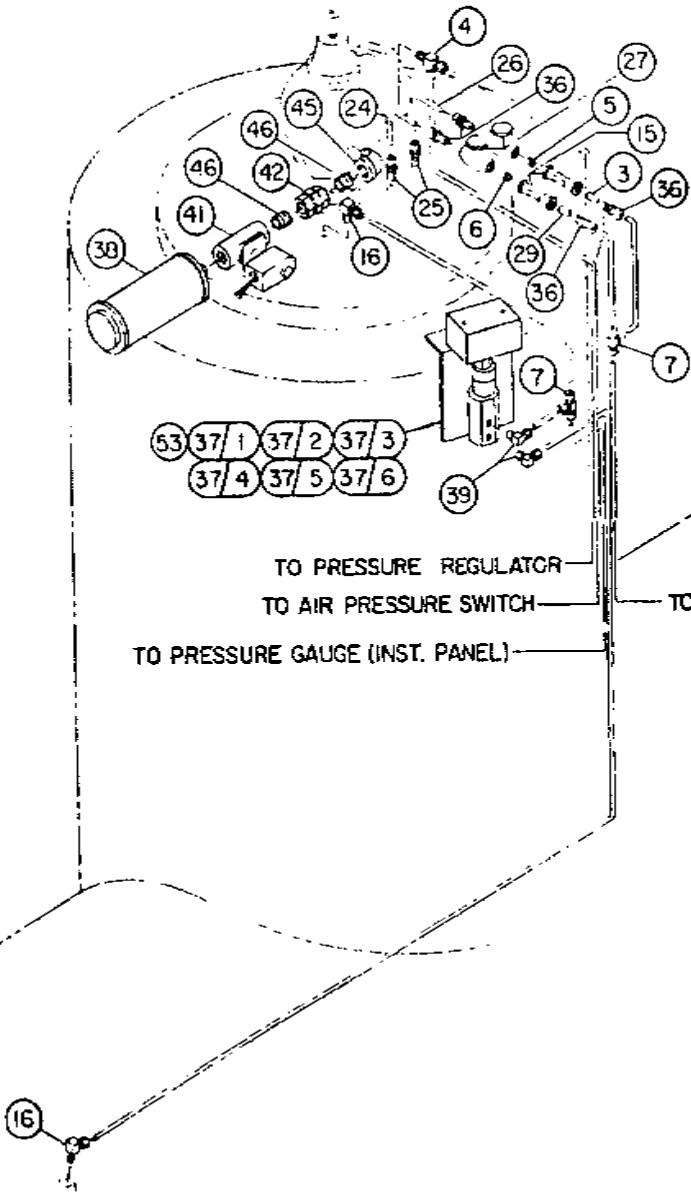
| INDEX NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|-----------------|-------------|----------------|--------------------------------------|
| 1 | 4 | 123478-J15 | SCREW-HEX.,1/4-20 UNC X 1.50,GRADE 5 |
| 2 | 4 | 20612 | WASHER-BEVEL,1/4 |
| 3 | 4 | 123115-04C | LOCKWASHER-1/4 |
| 4 | 4 | 124364-J02 | NUT-HEX.,1/4-20 UNC |
| 5 | 2 | 124149 | BRACKET-SUPPORT |
| 6 | 2 | 120806 | "U"BOLT-5/16-18 UNC |
| 7 | 4 | 123115-05C | LOCKWASHER-5/16 |
| 8 | 1 | 120312 | COUPLING-PIPE,1-1/2 X 1-1/4 |
| 9 | 1 | 23887 | COUPLING-PIPE,1-1/2 NPT |
| 10 | 1 | 126022-076 | NIPPLE-PIPE,1-1/2 NPT X 10.25 |
| 11 | 3 | 21940 | ELBOW-PIPE,1-1/2 NPT |
| 12 | 1 | 126022-146 | NIPPLE-PIPE,1-1/2 NPT X 19.00 |
| 13 | 1 | 23883 | UNION-1-1/2 NPT PIPE |
| 14 | 1 | 126022-120 | NIPPLE-PIPE,1-1/2 NPT X 15.75 |
| 15 | 1 | 126022-054 | NIPPLE-PIPE,1-1/2 NPT X 7.50 |
| 16 | 1 | 126022-001 | NIPPLE-PIPE,1-1/2 NPT X CLOSE |
| 17 | 1 | 125868-027 | BUSHING-PIPE,2 NPT X 2-1/2 NPT |
| 18 | 1 | 126023-026 | NIPPLE-PIPE,2 NPT X 4.00 |
| 19 | 1 | 23473 | ELBOW-PIPE,2 NPT X 1-1/2 NPT |
| 20 | 1 | 126022-206 | NIPPLE-PIPE,1-1/2 NPT X 26.50 |
| 21 | 1 | 23882 | ELBOW-PIPE,1-1/2 NPT X 1-1/4 NPT |
| 22 | 1 | 126021-022 | NIPPLE-PIPE,1-1/4 NPT X 3.50 |
| 23 | 1 | 120603 | ELBOW-PIPE,1-1/4 NPT |
| 24 | 1 | 126021-001 | NIPPLE-PIPE,1-3/4 NPT X CLOSE |
| 25 | 1 | 23475 | VALVE-WATER TEMPERATURE REGULATING |
| 26 | 1 | 126021-082 | NIPPLE-PIPE,1-1/4 NPT X 11.00 |

**WATER PIPING GROUP 120606-001
(WATERCOOLED MODELS WITH AFTERCOOLER)**

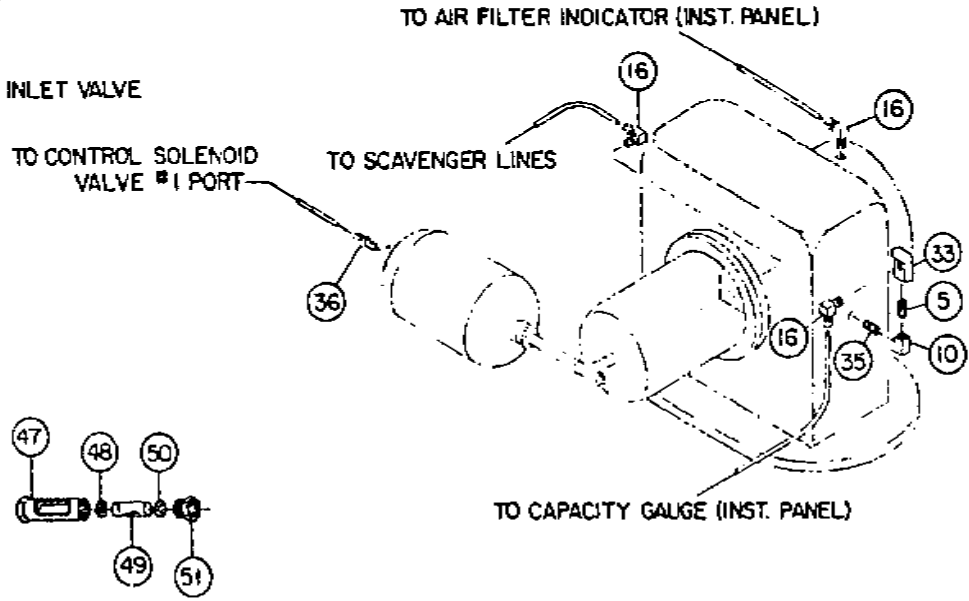


WATER PIPING GROUP 120606-001
(WATERCOOLED MODELS WITH AFTERCOOLER)

| INDEX NUMBER | QTY | PART NUMBER | DESCRIPTION |
|--------------|-----|-------------|--|
| 1 | 4 | 123478-J15 | SCREW-HEX., 1/4-20 UNC X 1.50, GRADE 5 |
| 2 | 1 | 126022-026 | NIPPLE-PIPE, 1-1/2 NPT X 4.00 |
| 3 | 4 | 123115-04C | LOCKWASHER-1/4 |
| 4 | 4 | 124364-J02 | NUT-HEX., 1/4-20 UNC |
| 5 | 2 | 124149 | BRACKET-SUPPORT |
| 6 | 2 | 120806 | "U"BOLT-5/16-18 UNC |
| 7 | 4 | 123115-05C | LOCKWASHER-5/16 |
| 8 | 1 | 120312 | COUPLING-PIPE, 1-1/2 X 1-1/4 |
| 9 | 1 | 23887 | COUPLING-PIPE, 1-1/2 NPT |
| 10 | 1 | 126022-058 | NIPPLE-PIPE, 1-1/2 NPT X 8.00 |
| 11 | 6 | 21940 | ELBOW-PIPE, 1-1/2 NPT |
| 12 | 1 | 126022-166 | NIPPLE-PIPE, 1-1/2 NPT X 21.50 |
| 13 | 2 | 23883 | UNION-1-1/2 NPT PIPE |
| 14 | 1 | 126022-020 | NIPPLE-PIPE, 1-1/2 NPT X 3.25 |
| 15 | 3 | 126022-001 | NIPPLE-PIPE, 1-1/2 NPT X CLOSE |
| 16 | 3 | 125868-027 | BUSHING-PIPE, 2 NPT X 1-1/2 NPT |
| 17 | 1 | 126022-038 | NIPPLE-PIPE, 1-1/2 NPT X 5.50 |
| 18 | 1 | 126022-126 | NIPPLE-PIPE, 1-1/2 NPT X 16.50 |
| 19 | 1 | 126021-082 | NIPPLE-PIPE, 1-1/4 NPT X 11.00 |
| 20 | 1 | 126022-022 | NIPPLE-PIPE, 1-1/2 NPT X 3.50 |
| 21 | 1 | 126023-026 | NIPPLE-PIPE, 2 NPT X 4.00 |
| 22 | 1 | 23473 | ELBOW-PIPE, 2 NPT X 1-1/2 NPT |
| 23 | 1 | 126022-202 | NIPPLE-PIPE, 1-1/2 NPT X 26.00 |
| 24 | 1 | 23882 | ELBOW-PIPE, 1-1/2 NPT X 1-1/4 NPT |
| 25 | 1 | 126021-022 | NIPPLE-PIPE, 1-1/4 NPT X 3.50 |
| 26 | 1 | 120603 | ELBOW-PIPE, 1-1/4 NPT |
| 27 | 1 | 126021-001 | NIPPLE-PIPE, 1-1/4 NPT X CLOSE |
| 28 | 1 | 23475 | VALVE-WATER TEMPERATURE REGULATING |



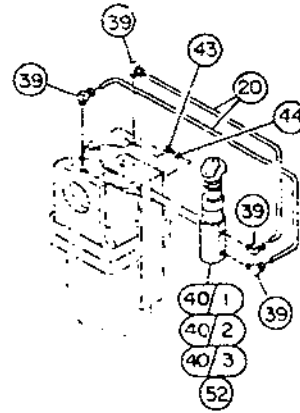
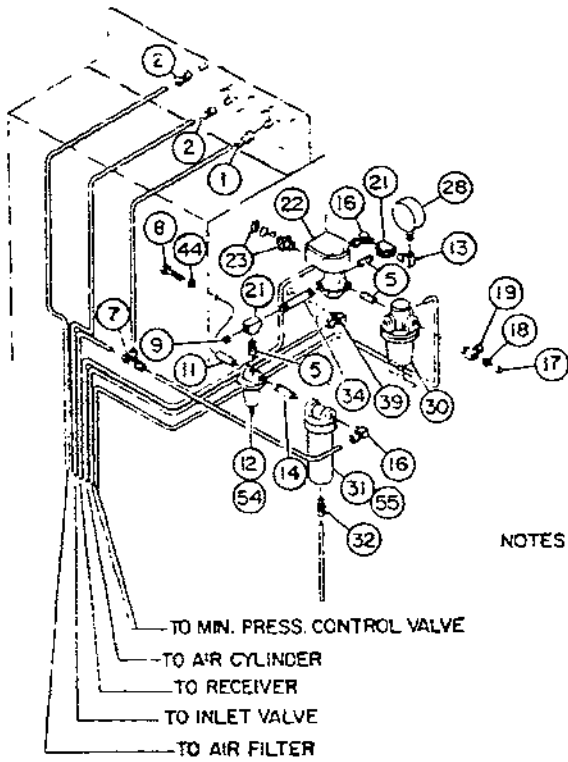
NOTE: ALL TUBING IS ITEM 20 UNLESS OTHERWISE SPECIFIED.



CONTROL PIPING GROUP 124034-801

| INDEX NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|--------------------------|-------------|-------------|--|
| 1 | 1 | 9353 | FITTING-STRAIGHT,1/4 TUBE X 1/4 NPT |
| 2 | 2 | 20302 | FITTING-STRAIGHT,1/4 TUBE X 1/8 NPT |
| 3 | 1 | 120497 | ORIFICE |
| 4 | 1 | 23794 | FITTING-TEE,1/4 TUBE X 1/4 NPT |
| 5 | 5 | 121032-3 | NIPPLE-PIPE,1/4 NPT X CLOSE,BRASS |
| 6 | 1 | 121032-5 | NIPPLE-PIPE,X 1/4 NPT X 1-3/4,BRASS |
| 7 | 3 | 4836 | FITTING-TEE,1/4 TUBE X 1/4 TUBE X 1/4 TUBE |
| 8 | 1 | 123478-J12 | SCREW-HEX.,1/4-20 UNC X 1.00,GRADE 5 |
| 9 | 1 | 120495 | PLUG-ORIFICE |
| 10 | 1 | 22483 | ELBOW-1/4" FEMALE |
| 11 | 1 | 121921-002 | SPACER-PIPE,1/4 NPT X .50 |
| 12 | 1 | 120494 | REGULATOR-DIFFERENTIAL PRESSURE |
| 13 | 1 | 122636 | ELBOW-PIPE,1/4 NPT,BRASS |
| 14 | 1 | 121032-4 | NIPPLE-PIPE,1/4 NPT X 1-1/2,BRASS |
| 15 | 2 | 22420 | GLASS-SIGHT |
| 16 | 7 | 2708 | FITTING-ELBOW,1/4 TUBE X 1/4 NPT |
| 17 | 1 | 2140 | PLUG-PIPE,1/8 NPT |
| 18 | 1 | 121033-1 | BUSHING-PIPE,1/4 NPT X 1/8 NPT,BRASS |
| 19 | 1 | 20201 | FITTING-TEE,1/4 TUBE X 1/8 NPT X 1/8 NPT |
| 20 | 67FT | 110515-025 | TUBE-COPPER,1/4 O.D. |
| 21 | 2 | 121034-2 | TEE-PIPE,1/4 NPT,BRASS |
| 22 | 1 | 120496 | VALVE-3-MAY SOLENOID |
| 23 | 1 | 22455 | CONNECTOR-ELECTRICAL,1/2 |
| 24 | 1 | 22718-15 | TUBE-COPPER,1/4 O.D. |
| 25 | 2 | 23312 | FITTING-STRAIGHT,1/4 TUBE X 1/4 NPT |
| 26 | 1 | 22718-14 | TUBE-COPPER,1/4 O.D. |
| 27 | 2 | 5529 | FILTER-LINE |
| 28 | 1 | 9232 | GAUGE-PRESSURE |
| 29 | 1 | 5784 | ORIFICE-.0400 |
| 30 | 1 | 23543 | REGULATOR-PRESSURE |
| 31 | 1 | 122812-001 | FILTER-AIR LINE,1/4 NPT |
| 32 | 1 | 1643 | FITTING-STRAIGHT,1/4 TUBE X 1/8 NPT |
| 33 | 1 | 122056 | VALVE-CAPACITY GAUGE |
| 34 | 1 | 121032-15 | NIPPLE-PIPE,1/4 NPT X 2-3/4 ,BRASS |
| 35 | 1 | 125933-001 | NIPPLE-PIPE,1/4 NPT X CLOSE |
| 36 | 5 | 110594-005 | FITTING-STRAIGHT,1/4 TUBE X 1/4 NPT |
| 37 | 1 | 123603-010 | INDICATOR ASSEMBLY-DIFFERENTIAL PRESSURE |
| 37/1 | 1 | 23779-010 | INDICATOR SWITCH-DIFFERENTIAL PRESSURE,10 P.S.I.D. |
| 37/2 | 1 | 22455 | CONNECTOR-ELECTRICAL,1/2 |
| 37/3 | 1 | 5414-001 | BOX-JUNCTION,ELECTRICAL |
| 37/4 | 1 | 23747 | BRACKET-DIFFERENTIAL SWITCH MOUNTING |
| 37/5 | 2 | 123115-04C | LOCKWASHER-1/4 |
| 37/6 | 2 | 123478-J07 | SCREW-HEX.,1/4-20 UNC X .50,GRADE 5 |
| 38 | 1 | 22014 | MUFFLER-BLOWDOWN |
| 39 | 7 | 1642 | FITTING-ELBOW,1/4 TUBE X 1/8 NPT |
| 40 | 1 | 123603-015 | INDICATOR ASSEMBLY-DIFFERENTIAL PRESSURE |
| 40/1 | 1 | 23779-015 | INDICATOR SWITCH-DIFFERENTIAL PRESSURE,15 P.S.I.D. |
| 40/2 | 1 | 22455 | CONNECTOR-ELECTRICAL,1/2 |
| 40/3 | 1 | 123476-02 | ELBOW-CONDUIT,FLEXIBLE |
| 41 | 1 | 22015 | VALVE-SOLENOID BLOWDOWN |
| 42 | 1 | 5222 | UNION-PIPE,3/4 NPT |
| 43 | 2 | 123478-J07 | SCREW-HEX.,1/4-20 UNC X .50,GRADE 5 |
| 44 | 3 | 123115-04C | LOCKWASHER-1/4 |
| 45 | 1 | 3092 | ELBOW-PIPE,3/4 NPT |
| 46 | 2 | 125936-001 | NIPPLE-PIPE,3/4 NPT X CLOSE |
| MAINTENANCE PARTS | | | |
| 47 | 1 | 22420-001 | BODY-SIGHT GAUGE |
| 48 | 1 | 22420-004 | GASKET-SIGHT GAUGE |
| 49 | 1 | 22420-003 | GLASS-SIGHT GAUGE |
| 50 | 1 | 22420-005 | GASKET-SIGHT GAUGE |
| 51 | 1 | 22420-002 | NUT-SIGHT GAUGE |
| 52 | 1 | 23779-015 | INDICATOR SWITCH-DIFFERENTIAL PRESSURE,15 P.S.I.D. |
| 53 | 1 | 23779-010 | INDICATOR SWITCH-DIFFERENTIAL PRESSURE,10 P.S.I.D. |
| 54 | 1 | 121904 | REPAIR KIT-DIFFERENTIAL PILOT VALVE |
| 55 | 1 | 122812-E01 | ELEMENT-FILTER,AIR LINE |

CONTROL PIPING GROUP 124034-801



NOTES:

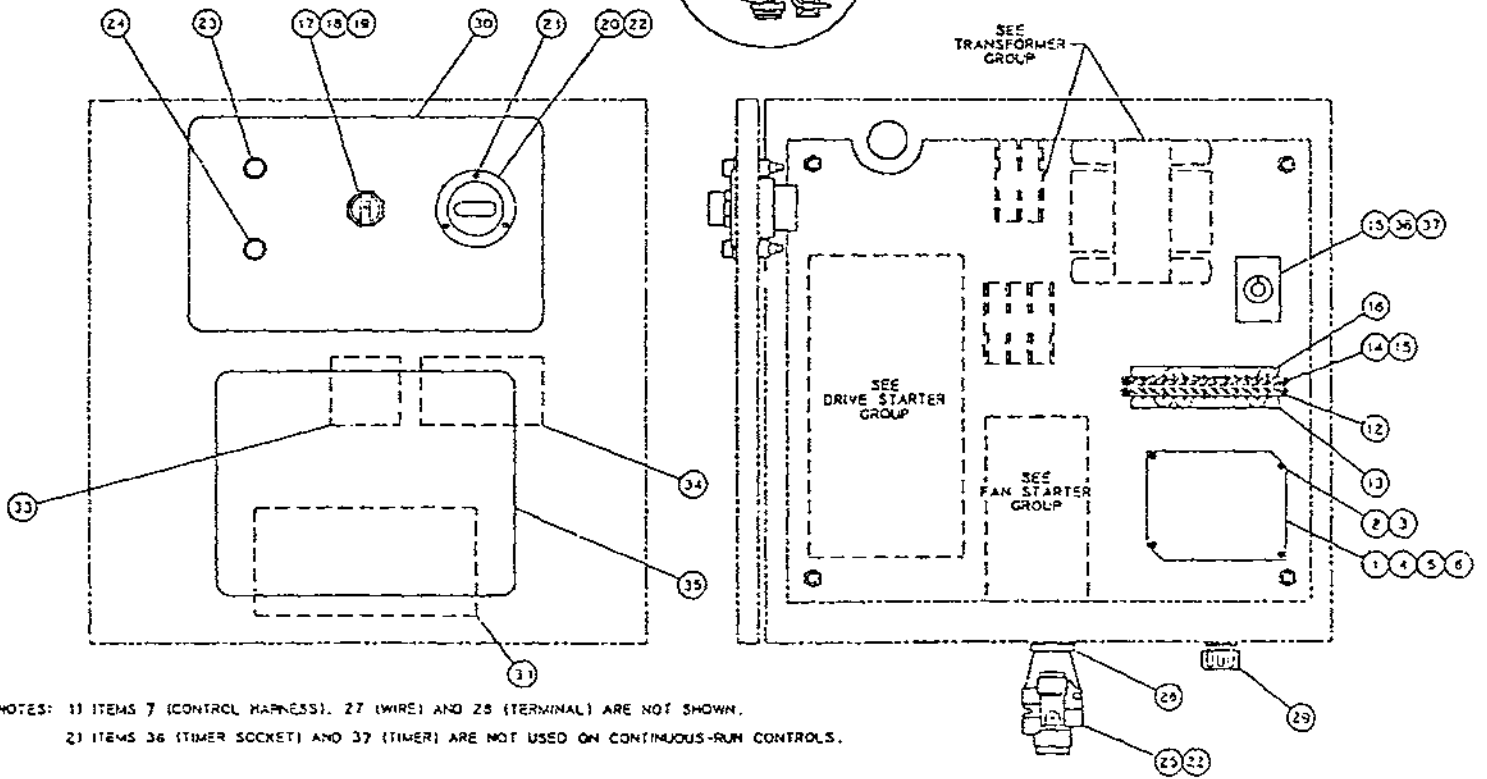
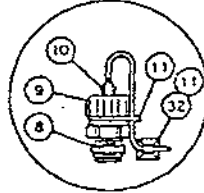
- REMOVE PLUG & ADD PIPE-TO-TUBE CONNECTOR (QUINCY PART NO. 1643) FOR PIPING TO MASTER/SLAVE CONTROLLER.
- THE RIGHTMOST DIGIT OF THE DASH NO. INDICATES NEMA 1 OR NEMA 4 SOLENOID VALVES.
- TUBING IS ITEM 20 UNLESS OTHERWISE SPECIFIED.

CONTROL PIPING GROUP 124034-801

| INDEX NUMBER | QTY | PART NUMBER | DESCRIPTION |
|--------------------------|------|-------------|--|
| 1 | 1 | 9353 | FITTING-STRAIGHT,1/4 TUBE X 1/4 NPT |
| 2 | 2 | 20302 | FITTING-STRAIGHT,1/4 TUBE X 1/8 NPT |
| 3 | 1 | 120497 | ORIFICE |
| 4 | 1 | 23794 | FITTING-TEE,1/4 TUBE X 1/4 NPT |
| 5 | 5 | 121032-3 | NIPPLE-PIPE,1/4 NPT X CLOSE,BRASS |
| 6 | 1 | 121032-5 | NIPPLE-PIPE,X 1/4 NPT X 1-3/4,BRASS |
| 7 | 3 | 4836 | FITTING-TEE,1/4 TUBE X 1/4 TUBE X 1/4 TUBE |
| 8 | 1 | 123478-J12 | SCREW-HEX.,1/4-20 UNC X 1.00,GRADE 5 |
| 9 | 1 | 120495 | PLUG-ORIFICE |
| 10 | 1 | 22483 | ELBOW-1/4" FEMALE |
| 11 | 1 | 121921-002 | SPACER-PIPE,1/4 NPT X .50 |
| 12 | 1 | 120494 | REGULATOR-DIFFERENTIAL PRESSURE |
| 13 | 1 | 122636 | ELBOW-PIPE,1/4 NPT,BRASS |
| 14 | 1 | 121032-4 | NIPPLE-PIPE,1/4 NPT X 1-1/2,BRASS |
| 15 | 2 | 22420 | GLASS-SIGHT |
| 16 | 7 | 2708 | FITTING-ELBOW,1/4 TUBE X 1/4 NPT |
| 17 | 1 | 2140 | PLUG-PIPE,1/8 NPT |
| 18 | 1 | 121033-1 | BUSHING-PIPE,1/4 NPT X 1/8 NPT,BRASS |
| 19 | 1 | 20201 | FITTING-TEE,1/4 TUBE X 1/8 NPT X 1/8 NPT |
| 20 | 67FT | 110515-025 | TUBE-COPPER,1/4 O.D. |
| 21 | 2 | 121034-2 | TEE-PIPE,1/4 NPT,BRASS |
| 22 | 1 | 120496 | VALVE-3-MAY SOLENOID |
| 23 | 1 | 22455 | CONNECTOR-ELECTRICAL,1/2 |
| 24 | 1 | 22718-15 | TUBE-COPPER,1/4 O.D. |
| 25 | 2 | 23312 | FITTING-STRAIGHT,1/4 TUBE X 1/4 NPT |
| 26 | 1 | 22718-14 | TUBE-COPPER,1/4 O.D. |
| 27 | 2 | 5529 | FILTER-LINE |
| 28 | 1 | 9232 | GALGE-PRESSURE |
| 29 | 1 | 5784 | ORIFICE-.0400 |
| 30 | 1 | 23543 | REGULATOR-PRESSURE |
| 31 | 1 | 122812-001 | FILTER-AIR LINE,1/4 NPT |
| 32 | 1 | 1643 | FITTING-STRAIGHT,1/4 TUBE X 1/8 NPT |
| 33 | 1 | 122056 | VALVE-CAPACITY GAUGE |
| 34 | 1 | 121032-15 | NIPPLE-PIPE,1/4 NPT X 2-3/4 ,BRASS |
| 35 | 1 | 125933-001 | NIPPLE-PIPE,1/4 NPT X CLOSE |
| 36 | 5 | 110594-005 | FITTING-STRAIGHT,1/4 TUBE X 1/4 NPT |
| 37 | 1 | 123603-010 | INDICATOR ASSEMBLY-DIFFERENTIAL PRESSURE |
| 37/1 | 1 | 23779-010 | INDICATOR SWITCH-DIFFERENTIAL PRESSURE,10 P.S.I.D. |
| 37/2 | 1 | 22455 | CONNECTOR-ELECTRICAL,1/2 |
| 37/3 | 1 | 5414-001 | BOX-JUNCTION,ELECTRICAL |
| 37/4 | 1 | 23747 | BRACKET-DIFFERENTIAL SWITCH MOUNTING |
| 37/5 | 2 | 123115-04C | LOCKWASHER-1/4 |
| 37/6 | 2 | 123478-J07 | SCREW-HEX.,1/4-20 UNC X .50,GRADE 5 |
| 38 | 1 | 22014 | MUFFLER-BLOWDOWN |
| 39 | 7 | 1642 | FITTING-ELBOW,1/4 TUBE X 1/8 NPT |
| 40 | 1 | 123603-015 | INDICATOR ASSEMBLY-DIFFERENTIAL PRESSURE |
| 40/1 | 1 | 23779-015 | INDICATOR SWITCH-DIFFERENTIAL PRESSURE,15 P.S.I.D. |
| 40/2 | 1 | 22455 | CONNECTOR-ELECTRICAL,1/2 |
| 40/3 | 1 | 123476-02 | ELBOW-CONDUIT,FLEXIBLE |
| 41 | 1 | 22015 | VALVE-SOLENOID BLOWDOWN |
| 42 | 1 | 5222 | UNION-PIPE,3/4 NPT |
| 43 | 2 | 123478-J07 | SCREW-HEX.,1/4-20 UNC X .50,GRADE 5 |
| 44 | 3 | 123115-04C | LOCKWASHER-1/4 |
| 45 | 1 | 3092 | ELBOW-PIPE,3/4 NPT |
| 46 | 2 | 125936-001 | NIPPLE-PIPE,3/4 NPT X CLOSE |
| MAINTENANCE PARTS | | | |
| 47 | 1 | 22420-001 | BODY-SIGHT GAUGE |
| 48 | 1 | 22420-004 | GASKET-SIGHT GAUGE |
| 49 | 1 | 22420-003 | GLASS-SIGHT GAUGE |
| 50 | 1 | 22420-005 | GASKET-SIGHT GAUGE |
| 51 | 1 | 22420-002 | NUT-SIGHT GAUGE |
| 52 | 1 | 23779-015 | INDICATOR SWITCH-DIFFERENTIAL PRESSURE,15 P.S.I.D. |
| 53 | 1 | 23779-010 | INDICATOR SWITCH-DIFFERENTIAL PRESSURE,10 P.S.I.D. |
| 54 | 1 | 121904 | REPAIR KIT-DIFFERENTIAL PILOT VALVE |
| 55 | 1 | 122812-E01 | ELEMENT-FILTER,AIR LINE |

ELECTRICAL CONTROL GROUP 128019 (AUTO-DUAL & AUTO-DEMAND)

H.A.T. PROBE DETAIL

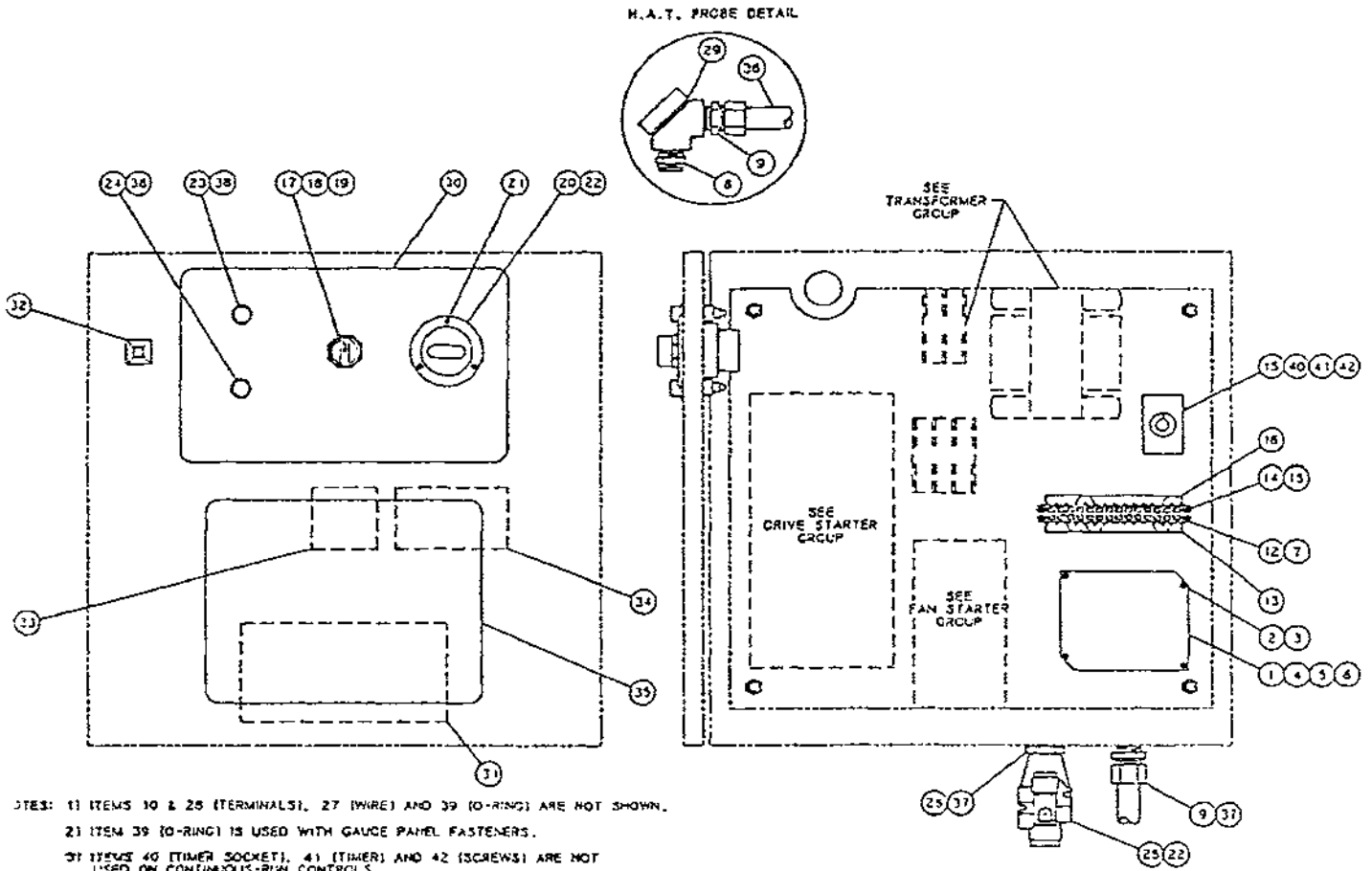


NOTES: 1) ITEMS 7 (CONTROL HARNESS), 27 (WIRE) AND 28 (TERMINAL) ARE NOT SHOWN.
 2) ITEMS 36 (TIMER SOCKET) AND 37 (TIMER) ARE NOT USED ON CONTINUOUS-RUN CONTROLS.

**ELECTRICAL CONTROL GROUPS
(ALL MODELS - NEMA-1)**

| INDEX NO. | QTY | PART NUMBER | QTY | PART NUMBER | DESCRIPTION |
|-----------|------|-------------------|------|--------------------------|---|
| | | 128019-002 | | 128019-003 | |
| | | AUTO-DUAL | | AUTO-DEMAND | |
| 1 | 1 | 123389-01 | 1 | 123389-01 | MODULE-H.A.T |
| 2 | 4 | 123200-C10 | 4 | 123200-C10 | SCREW-PAN HEAD, #4-40 UNC X .75 |
| 3 | 4 | 123108-04C | 4 | 123108-04C | LOCKWASHER-#4 |
| 4 | 1 | 128036 | 1 | 128036 | HARNESS-WIRE, ELECTRICAL |
| 5 | 1 | 122827-01 | 1 | 122827-01 | HARNESS-WIRE, ELECTRICAL |
| 6 | 1 | 122827-02 | 1 | 122827-02 | HARNESS-WIRE, ELECTRICAL |
| 7 | 1 | 128012 | 1 | 128012 | HARNESS-WIRE, ELECTRICAL |
| 8 | 2 | 121857-01 | 2 | 121857-01 | PROBE-ELECTRICAL |
| 9 | 2 | 124755-001 | 2 | 124755-001 | CONNECTOR-ELECTRICAL |
| 10 | 4 | 21563-04 | 4 | 21563-04 | TERMINAL-FEMALE, ELECTRICAL |
| 11 | 22 | 23326 | 22 | 23326 | TIE-SELF LOCK |
| 12 | 1 | 123153-014 | 1 | 123153-014 | STRIP-TERMINAL |
| 13 | 1 | 125786-011 | 1 | 125786-011 | DECAL-TERMINAL |
| 14 | 6 | 123200-E07 | 6 | 123200-E07 | SCREW-PAN HEAD, #6-32 UNC X .50 |
| 15 | 6 | 123108-06C | 6 | 123108-06C | LOCKWASHER-#6 |
| 16 | 4 | 110892 | 2 | 110892 | JUMPER |
| 17 | 1 | 127867-003 | 1 | 127867-003 | SWITCH-SELECTOR, 3 POSITION |
| 18 | 1 | 127867-004 | 1 | 127867-004 | RING-SWITCH SELECTOR |
| 19 | 1 | 127868-001 | 1 | 127868-001 | BLOCK-CONTACT |
| 20 | 1 | 23921 | 1 | 23921 | METER-HOUR |
| 21 | 3 | 123200-C07 | 3 | 123200-C07 | SCREW-PAN HEAD, #4-40 UNC X .50 |
| 22 | 4 | 8854-01 | 4 | 8854-01 | CONNECTOR |
| 23 | 1 | 21556-01 | 1 | 21556-01 | ASSEMBLY-NEON LAMP |
| 24 | 1 | 21555-01 | 1 | 21555-01 | ASSEMBLY-NEON LAMP |
| 25 | 1 | 124969-005 | 1 | 124969-005 | VALVE-SOLENOID |
| 26 | 1 | 22455 | 1 | 22455 | CONNECTOR-ELECTRICAL, 1/2 |
| 27 | 2 FT | 122848 | 2 FT | 122848 | WIRE-RED ELECTRICAL, #18 |
| 28 | 2 | 23190-15 | 2 | 23190-15 | TERMINAL-LOCKING FORK |
| 29 | 1 | 123507-04 | 1 | 123507-04 | FITTING-CONNECTOR |
| 30 | 1 | 128014 | 1 | 128015 | DECAL-CONTROL |
| 31 | 1 | 110690-001 | 1 | 110690-001 | ENVELOPE-PLASTIC |
| 32 | 20 | 23371 | 20 | 23371 | TIE-BASE |
| 33 | 1 | 111369 | 1 | 111369 | DECAL-UNDERWRITERS LABORATORIES |
| 34 | 1 | 110835 | 1 | 110835 | DECAL-"COMPRESSOR CONTROL PANEL PART NO. _____" |
| 35 | 1 | 123458 | 1 | 123458 | DECAL-INSTRUCTIONAL |
| 36 | 1 | 122868-D08 | 1 | 122868-D08 | SOCKET-TIMER |
| 37 | 1 | 122862-600 | 1 | 122862-600 | TIMER-10 MINUTE, DELAY-ON-BREAK |
| | | | | MAINTENANCE PARTS | |
| 38 | 2 | 9531 | 2 | 9531 | BULB-ELECTRICAL |

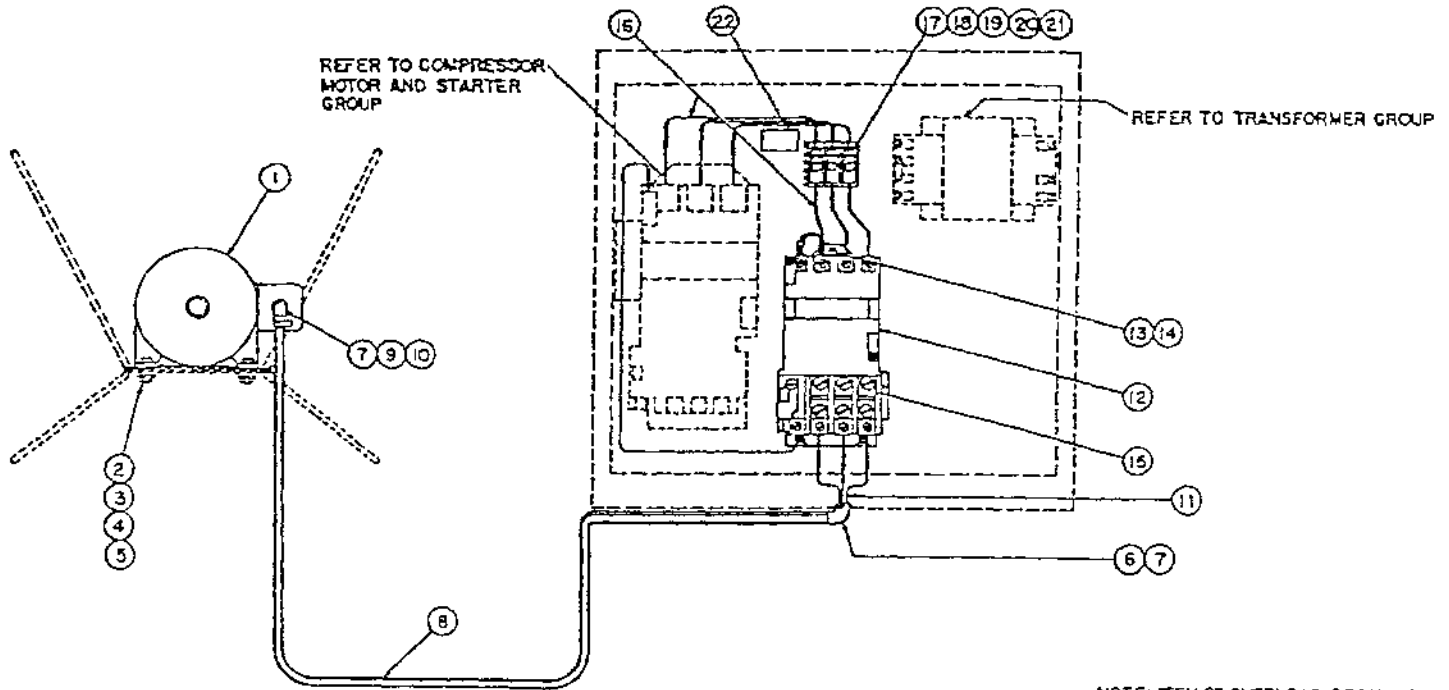
ELECTRICAL CONTROL GROUP 128212 (ALL MODELS - NEMA-4)



**ELECTRICAL CONTROL GROUPS
(ALL MODELS - NEMA-4)**

| INDEX NO. | QTY | PART NUMBER | QTY | PART NUMBER | DESCRIPTION |
|-----------|------|-------------------------|------|---------------------------|--|
| | | 128212-002 AUTO-DUAL | | 128212-003 AUTO-DEMAND | |
| 1 | 1 | 123389-01 | 1 | 123389-01 | MODULE-H.A.T |
| 2 | 4 | 123200-C10 | 4 | 123200-C10 | SCREW-PAN HEAD, #4-40 UNC X .75 |
| 3 | 4 | 123108-04C | 4 | 123108-04C | LOCKWASHER-#4 |
| 4 | 1 | 128036 | 1 | 128036 | HARNESS-WIRE, ELECTRICAL |
| 5 | 1 | 122827-01 | 1 | 122827-01 | HARNESS-WIRE, ELECTRICAL |
| 6 | 1 | 122827-02 | 1 | 122827-02 | HARNESS-WIRE, ELECTRICAL |
| 7 | 1 | 128012 | 1 | 128012 | HARNESS-WIRE, ELECTRICAL |
| 8 | 2 | 121857-01 | 2 | 121857-01 | PROBE-ELECTRICAL |
| 9 | 4 | 7941 | 4 | 7941 | CONNECTOR-ELECTRICAL |
| 10 | 4 | 21563-04 | 4 | 21563-04 | TERMINAL-FEMALE, ELECTRICAL |
| 11 | 5 | 23326 | 5 | 23326 | TIE-SELF LOCK |
| 12 | 1 | 123153-014 | 1 | 123153-014 | STRIP-TERMINAL |
| 13 | 1 | 125786-011 | 1 | 125786-011 | DECAL-TERMINAL |
| 14 | 4 | 123200-E07 | 4 | 123200-E07 | SCREW-PAN HEAD, #6-32 UNC X .50 |
| 15 | 6 | 123108-06C | 6 | 123108-06C | LOCKWASHER-#6 |
| 16 | 4 | 110892 | 2 | 110892 | JUMPER |
| 17 | 1 | 127867-003 | 1 | 127867-003 | SWITCH-SELECTOR, 3 POSITION |
| 18 | 1 | 127867-004 | 1 | 127867-004 | RING-SWITCH SELECTOR |
| 19 | 1 | 127868-001 | 1 | 127868-001 | BLOCK-CONTACT |
| 20 | 1 | 23921-0W | 1 | 23921-0W | METER-HOUR |
| 21 | 3 | 123200-C07 | 3 | 123200-C07 | SCREW-PAN HEAD, #4-40 UNC X .50 |
| 22 | 4 | 8854-01 | 4 | 8854-01 | CONNECTOR |
| 23 | 1 | 21556-01 | 1 | 21556-01 | ASSEMBLY-NEON LAMP |
| 24 | 1 | 21555-01 | 1 | 21555-01 | ASSEMBLY-NEON LAMP |
| 25 | 1 | 124969-006 | 1 | 124969-006 | VALVE-SOLENOID |
| 26 | 1 | 22455 | 1 | 22455 | CONNECTOR-ELECTRICAL, 1/2 |
| 27 | 2 FT | 122848 | 2 FT | 122848 | WIRE-RED ELECTRICAL, #18 |
| 28 | 2 | 23190-15 | 2 | 23190-15 | TERMINAL-LOCKING FORK |
| 29 | 2 | 123476-02 | 2 | 123476-02 | ELBOW-CONDUIT, FLEXIBLE, 1/2 |
| 30 | 1 | 128014 | 1 | 128015 | DECAL-CONTROL |
| 31 | 1 | 110690-001 | 1 | 110690-001 | ENVELOPE-PLASTIC |
| 32 | 5 | 23371 | 5 | 23371 | TIE-BASE |
| 33 | 1 | 111369 | 1 | 111369 | DECAL-UNDERWRITERS LABORATORIES |
| 34 | 1 | 110835 | 1 | 110835 | DECAL-COMPRESSOR CONTROL PANEL PART NO ____* |
| 35 | 1 | 123458 | 1 | 123458 | DECAL-INSTRUCTIONAL |
| 36 | 10 | 9804 | 10 | 9804 | CONDUIT-ELECTRICAL |
| 37 | 4 | 123506-02 | 4 | 123506-02 | FITTING-FLEXIBLE |
| 38 | 2 | 123157-115 | 2 | 123157-115 | *O" RING-3/32 WIDE X .88 OD (BREATHER BODY) |
| 39 | 4 | 123157-108 | 4 | 123157-108 | *O" RING-3/32 WIDE X .44 OD |
| 40 | 1 | 122868-D08 | 1 | 122868-D08 | SOCKET-TIMER |
| 41 | 1 | 122862-600 | 1 | 122862-600 | TIMER-10 MINUTE, DELAY-ON-BREAK |
| 42 | 2 | 123200-E12 | 2 | 123200-E12 | SCREW-PAN HEAD, #6-32 UNC X 1.00 |
| | | | | <u>MAINTENANCE PARTS</u> | |
| 43 | 2 | 9531 | 2 | 9531 | BULB-ELECTRICAL |

FAN MOTOR/STARTER GROUP 128022 (5 HP - AIRCOOLED MODELS)



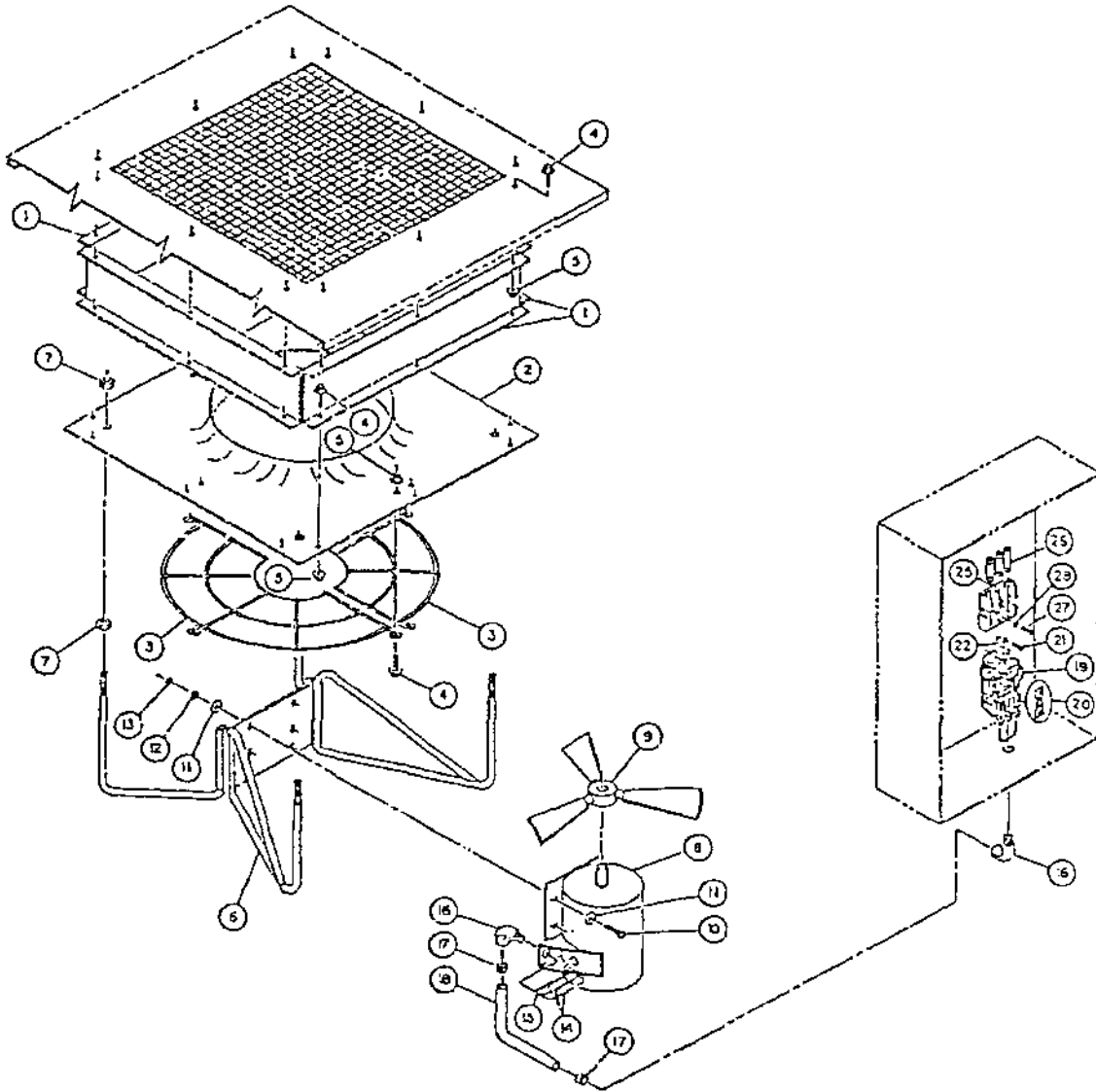
NOTE: ITEM 22 OVERLOAD DECAL, ON THE INSIDE OF CONTROL PANEL DOOR.

**FAN MOTOR/STARTER GROUPS
(5 HP - AIRCOOLED MODELS)**

| INDEX NO. | QTY | PART NUMBER | QTY | PART NUMBER | DESCRIPTION |
|-----------|-------|-------------------|-------|-------------------|--|
| | | 128022-134 | | 128022-135 | |
| | | 460 VOLT | | 575 VOLT | |
| 1 | 1 | 120782 | 1 | 120775 | MOTOR-FAN |
| 2 | 4 | 123478-L16 | 4 | 123478-L16 | SCREW-HEX., 3/8-16 UNC X 1.75, GRADE 5 |
| 3 | 4 | 110428W038 | 4 | 110428W038 | FLATWASHER-3/8 |
| 4 | 4 | 123115-06C | 4 | 123115-06C | LOCKWASHER-3/8 |
| 5 | 4 | 124364-L02 | 4 | 124364-L02 | NUT-HEX., 3/8-16 UNC |
| 6 | 1 | 23483 | 1 | 23483 | CONNECTOR-CONDUIT, 1/2 |
| 7 | 2 | 8049 | 2 | 8049 | SLEEVE-CONDUIT, 1/2 |
| 8 | 11 | 22100 | 11 | 22100 | CONDUIT-ELECTRICAL |
| 9 | 1 | 22115 | 1 | 22115 | CONNECTOR-CONDUIT, 1/2 |
| 10 | 3 | 8854 | 3 | 8855 | CONNECTOR-SPLICE |
| 11 | 35 FT | 7908 | 35 FT | 7905 | WIRE-BLACK ELECTRICAL |
| 12 | 1 | 8700-120 | 1 | 8700-120 | STARTER-3 PHASE "SQUARE D" |
| 13 | 3 | 123200-G09 | 3 | 123200-G09 | SCREW-PAN HEAD, #10-24 UNC X .62 |
| 14 | 3 | 123108-10C | 3 | 123108-10C | LOCKWASHER-#10 |
| 15 | 3 | *4073 | 3 | *4071 | THERMAL-OVERLOAD |
| 16 | 4 FT | 120570 | 4 FT | 123170 | WIRE-YELLOW ELECTRICAL |
| 17 | 6 | 23190-03 | 6 | 23190-06 | TERMINAL-LOCKING FORK |
| 18 | 1 | 126263-003 | 1 | 126263-003 | FUSEBLOCK-ELECTRICAL |
| 19 | 2 | 123200-F09 | 2 | 123200-F09 | SCREW-PAN HEAD, #8-32 UNC X .62 |
| 20 | 2 | 123108-08C | 2 | 123108-08C | LOCKWASHER-#8 |
| 21 | 3 | 120253 | 3 | 120640 | FUSE |
| 22 | 1 | 40639 | 1 | 40639 | DECAL-"CAUTION" |
| 23 | 1 | 110001 | 1 | 110001 | DECAL-OVERLOAD |

*NOTE: THERMAL OVERLOAD P/N MAY VARY DEPENDING ON THE ACTUAL MOTOR USED.

VENT FAN GROUP 128142
(WATERCOOLED MODELS WITH CABINET)

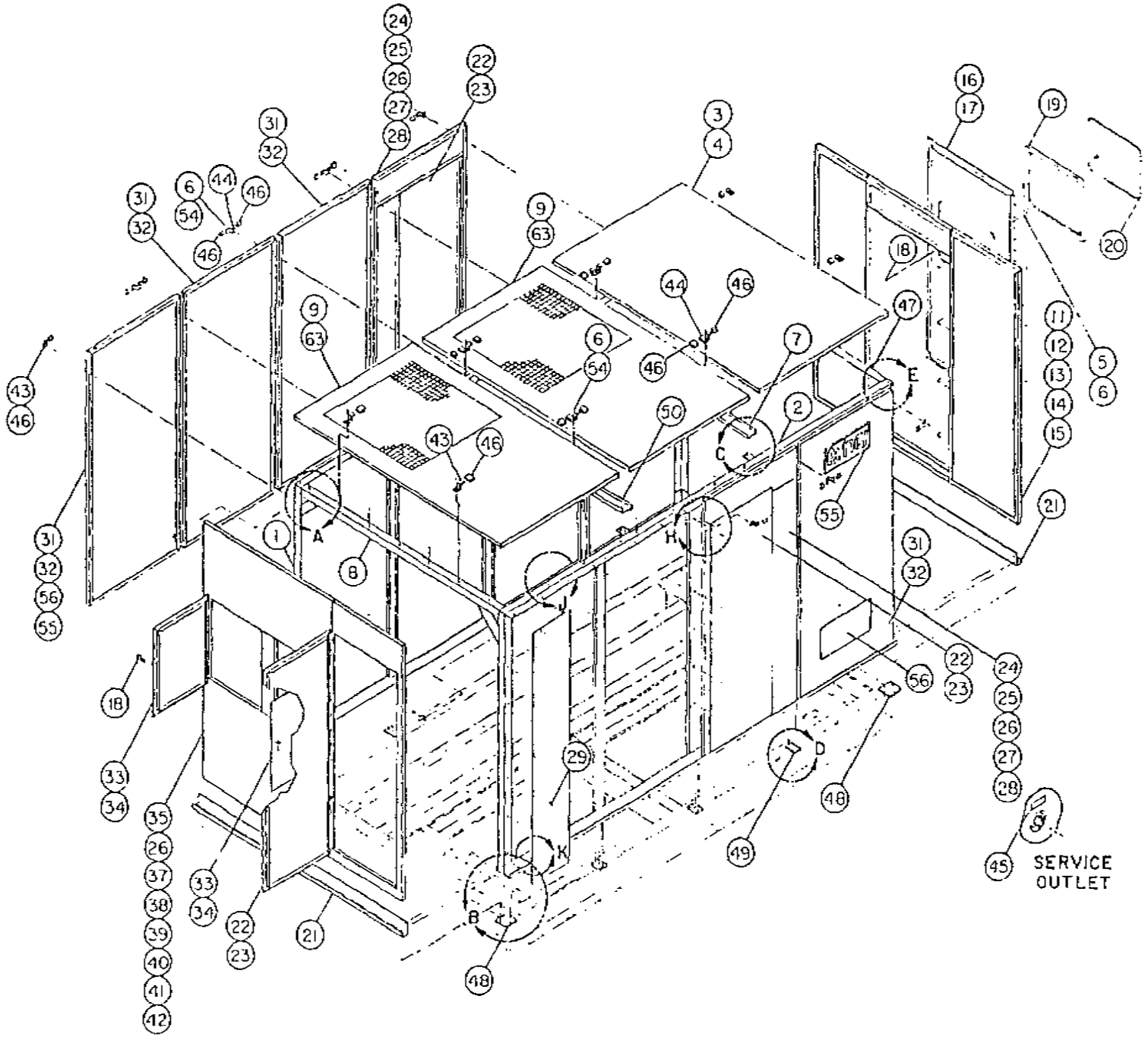


NOTE: ITEMS 23 (WIRE) AND 24 (TERMINALS) ARE NOT SHOWN.

**VENT FAN GROUPS
(WATERCOOLED MODELS WITH CANOPY)**

| INDEX NO. | QTY | PART NUMBER | QTY | PART NUMBER | DESCRIPTION |
|-----------|-----|------------------------|-----|------------------------|--|
| | | 128142-C34 460 VOLT | | 128142-C35 575 VOLT | |
| 1 | 4 | 128144 | 4 | 128144 | PANEL-SIDE |
| 2 | 1 | 128150 | 1 | 128150 | VENTURI-FAN |
| 3 | 2 | 128149 | 2 | 128149 | GUARD-FAN, VENT |
| 4 | 30 | 123777-J10 | 30 | 123777-J10 | SCREW-HEX., 1/4-20 UNC X .75, GRADE 5 |
| 5 | 30 | 110976-J02 | 30 | 110976-J02 | NUT-FLANGE, 1/4 UNC |
| 6 | 1 | 128145 | 1 | 128145 | SUPPORT-MOTOR, FAN VENT |
| 7 | 8 | 124364-N02 | 8 | 124364-N02 | NUT-HEX., 1/2-13 UNC |
| 8 | 1 | 4006 | 1 | 4006-575 | MOTOR |
| 9 | 1 | 126511-014 | 1 | 126511-014 | FAN |
| 10 | 4 | 123478-J12 | 4 | 123478-J12 | SCREW-HEX., 1/4-20 UNC X 1.00, GRADE 5 |
| 11 | 8 | 110428W025 | 8 | 110428W025 | FLATWASHER-1/4 |
| 12 | 4 | 123115-04C | 4 | 123115-04C | LOCKWASHER-1/4 |
| 13 | 4 | 124364-J02 | 4 | 124364-J02 | NUT-HEX., 1/4-20 UNC |
| 14 | 3 | 8854 | 3 | 8854 | CONNECTOR-SPUCE |
| 15 | 33 | 7908 | 33 | 7908 | WIRE-BLACK, ELECTRICAL, #14 |
| 16 | 2 | 23483 | 2 | 23483 | CONNECTOR-CONDUIT, 1/2 |
| 17 | 2 | 8049 | 2 | 8049 | SLEEVE-CONDUIT, 1/2 |
| 18 | 30 | 22100 | 30 | 22100 | CONDUIT-ELECTRICAL |
| 19 | 1 | 8699-120 | 1 | 8699-120 | STARTER-3 PHASE |
| 20 | 3 | *8395 | 3 | *8883 | OVERLOAD-THERMAL |
| 21 | 3 | 123200-G09 | 3 | 123200-G09 | SCREW-PAN HEAD, #10-24 UNC X .62 |
| 22 | 3 | 123108-10C | 3 | 123108-10C | LOCKWASHER-#10 |
| 23 | 3 | 120570 | 3 | 120570 | WIRE-YELLOW ELECTRICAL, #14 |
| 24 | 6 | 23190-03 | 6 | 23190-03 | TERMINAL-LOCKING FORK |
| 25 | 1 | 126263-003 | 1 | 126263-003 | FUSEBLOCK-ELECTRICAL |
| 26 | 3 | 120671 | 3 | 120678 | FUSE |
| 27 | 2 | 123200-F10 | 2 | 123200-F10 | SCREW-PAN HEAD, #8-32 UNC X .75 |
| 28 | 2 | 123108-08C | 2 | 123108-08C | LOCKWASHER-#8 |

*NOTE: THERMAL OVERLOAD P/N MAY VARY DEPENDING ON THE ACTUAL MOTOR USED.



CABINET GROUP 123869
(for aircooled models; continued on page 54)

CABINET GROUP 123869

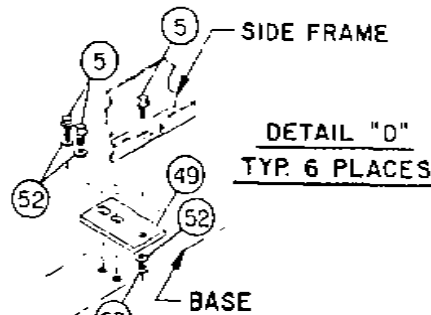
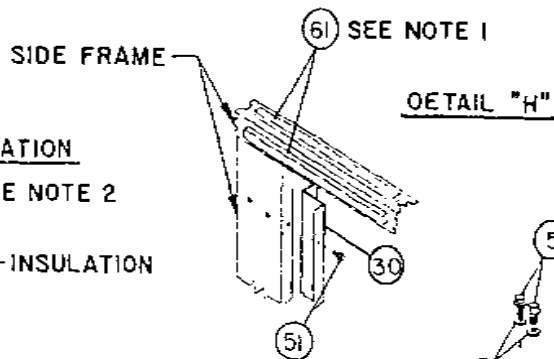
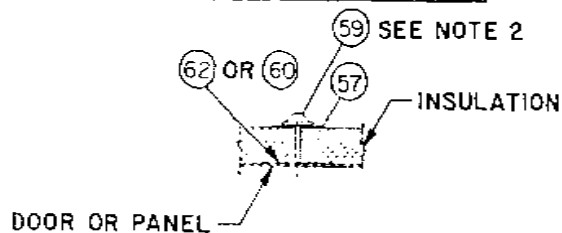
(for aircooled models)

| ITEM NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|----------------|-------------|----------------|---|
| 1 | 1 | 123764-001 | FRAME-CABINET |
| 2 | 1 | 123854 | FRAME-CABINET |
| 3 | 1 | 123766 | PANEL-CABINET |
| 4 | 1 | 120358-42 | INSULATION |
| 5 | 68 | 123777-J10 | SCREW-HEX., 1/4-20 UNC X .75, GRADE 5 |
| 6 | 14 | 22456 | NUT-GRIP, 1/4-20 UNC |
| 7 | 1 | 123855 | BRACE-CABINET |
| 8 | 1 | 123856 | BRACE-CABINET |
| 9 | 2 | 124087 | PANEL-CABINET, TOP |
| 10 | 1 | 127086 | SUPPORT-CONTROL MOUNTING |
| 11 | 1 | 123767 | PANEL-CABINET, SIDE |
| 12 | 1 | 120358-43 | INSULATION |
| 13 | 1 | 120358-44 | INSULATION |
| 14 | 1 | 120358-45 | INSULATION |
| 15 | 1 | 120358-46 | INSULATION |
| 16 | 1 | 124083 | DOOR-CABINET |
| 17 | 1 | 120358-47 | INSULATION |
| 18 | 6 | 120975 | LATCH-DOOR |
| 19 | 6 | 120223 | MOULDING-WINDOW |
| 20 | 1 | 123772 | WINDOW-CABINET |
| 21 | 2 | 123771 | SUPPORT-PANEL, CABINET |
| 22 | 3 | 123776 | DOOR-CABINET |
| 23 | 3 | 120358-18 | INSULATION |
| 24 | 2 | 123779 | PANEL-CABINET, SIDE |
| 25 | 2 | 120358-2 | INSULATION |
| 26 | 3 | 120358-3 | INSULATION |
| 27 | 2 | 120358-4 | INSULATION |
| 28 | 2 | 120358-5 | INSULATION |
| 29 | 1 | 127210 | BAFFLE-COOLER, LEFT SIDE |
| 30 | 1 | 127211 | BAFFLE-COOLER, RIGHT SIDE |
| 31 | 4 | 120344 | PANEL-SIDE |
| 32 | 4 | 120358-6 | INSULATION |
| 33 | 2 | 123775 | DOOR-CABINET |
| 34 | 2 | 120358-48 | INSULATION |
| 35 | 1 | 123778 | PANEL-CABINET |
| 36 | 1 | 127209 | BAFFLE-COOLER, TOP |
| 37 | 1 | 120358-7 | INSULATION |
| 38 | 1 | 120358-8 | INSULATION |
| 39 | 1 | 120358-9 | INSULATION |
| 40 | 1 | 120358-10 | INSULATION |
| 41 | 2 | 120358-11 | INSULATION |
| 42 | 1 | 120358-12 | INSULATION |
| 43 | 12 | 120972 | CLIP-END, PANEL |
| 44 | 8 | 120973 | CLIP-TWIN, PANEL |
| 45 | 1 | 40744 | DECAL-"DANGER AIR FROM THIS COMPRESSOR" |
| 46 | 28 | 122259 | CAP-END CLIP |
| 47 | 1 | 123769 | BRACE-CABINET |
| 48 | 4 | 123773 | PLATE-MOUNTING, CABINET |
| 49 | 6 | 120962 | PLATE-SIDE EXTENSION MOUNT |
| 50 | 1 | 123770 | BRACE-CABINET |
| 51 | 32 | 110511-J07 | SCREW-TAPTITE, 1/4-20 UNC X .50 |
| 52 | 58 | 123115-04C | LOCKWASHER-1/4 |
| 53 | 38 | 124364-J02 | NUT-HEX., 1/4-20 UNC |
| 54 | 8 | 123777-J14 | SCREW-HEX., 1/4-20 UNC X 1.25, GRADE 5 |
| 55 | 2 | 21351 | NAMEPLATE-"QUINCY" |
| 56 | 2 | 120660 | DECAL-"Q1000" |
| 57 | 250 | 123844 | WASHER-SELFLOCK |
| 58 | 1 | 127212 | BAFFLE-COOLER, BOTTOM |
| 59 | 250 | 123798 | NUT-HANGER |
| 60 | 50 | 123797-002 | HANGER-INSULATION |
| 61 | 300FT | 22571 | TAPE-SEALANT, 1/4 |
| 62 | 200 | 123797-001 | HANGER-INSULATION |
| 63 | 2 | 120358-30 | INSULATION |

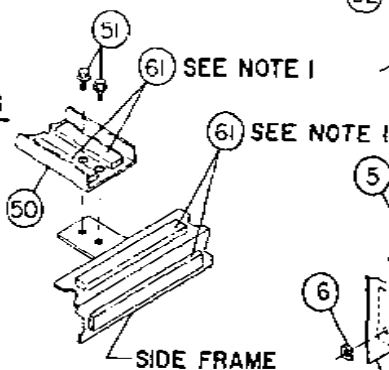
NOTES:-UNLESS OTHERWISE SPECIFIED:

- 1) TO BE APPLIED AROUND PERIMETER OF ALL SIDE, TOP, FRONT AND REAR PANES AND ALL DOORS WHERE METAL TO METAL CONTACT OCCURS.
- 2) WHEN CLIPPING SPINDLE TO LENGTH, ALLOW 1/8" FOR INSTALLING PUSH-ON SPEED NUTS (ITEM 59).
- 3) INSULATION NOT SHOWN ON DRAWING FOR PURPOSES OF CLARITY.

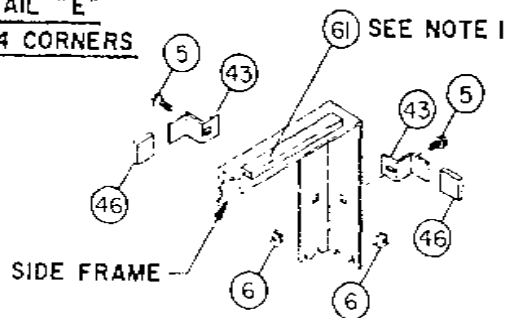
TYP. METHOD OF INSTALLING INSULATION



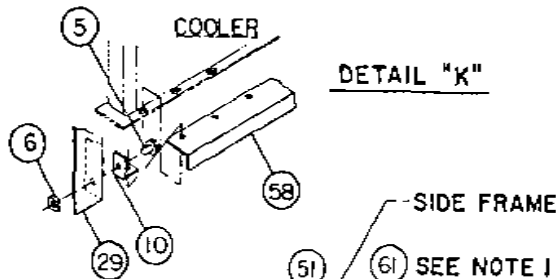
DETAIL "C"
TYP. 4 PLACES



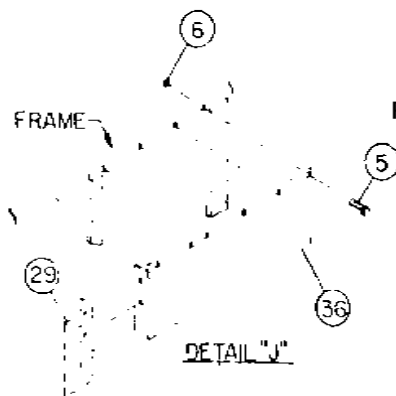
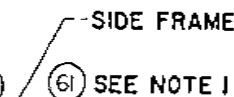
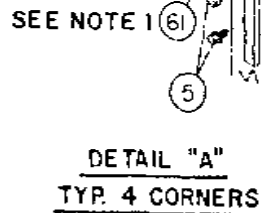
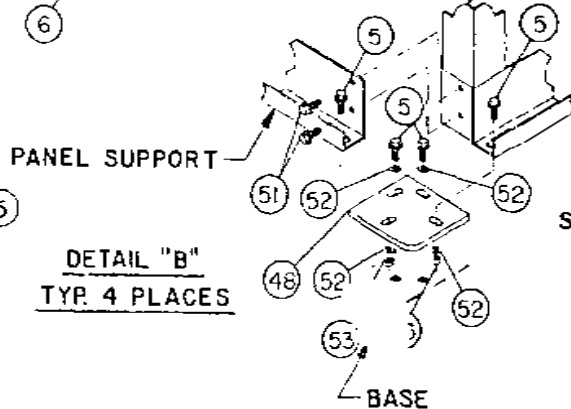
DETAIL "E"
TYP. 4 CORNERS



DETAIL "K"



DETAIL "B"
TYP. 4 PLACES



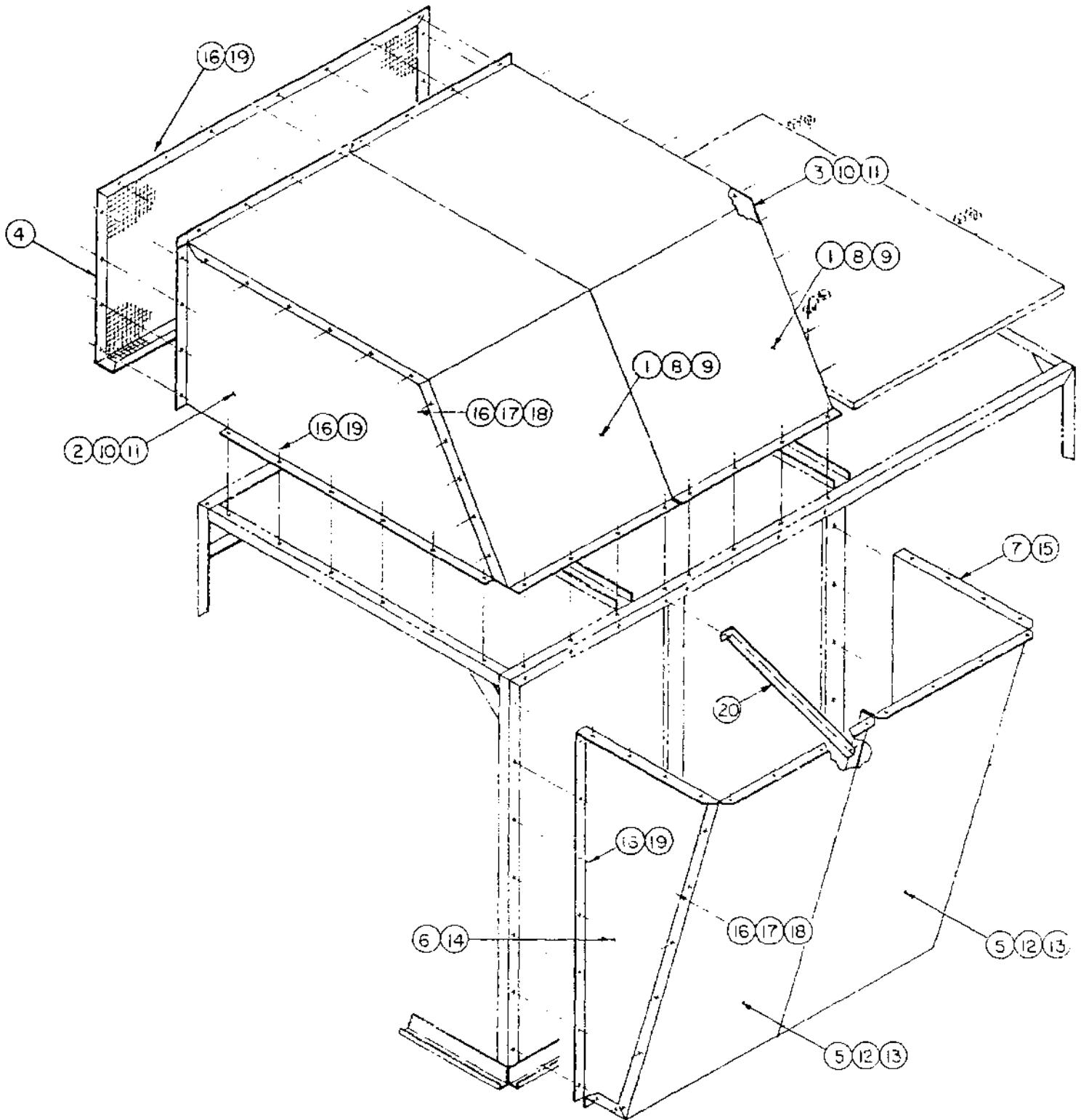
(for aircooled models: continued from page 52)

CABINET GROUP 123869

(for aircooled models)

| ITEM NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|----------------|-------------|----------------|---|
| 1 | 1 | 123764-001 | FRAME-CABINET |
| 2 | 1 | 123854 | FRAME-CABINET |
| 3 | 1 | 123766 | PANEL-CABINET |
| 4 | 1 | 120358-42 | INSULATION |
| 5 | 68 | 123777-J10 | SCREW-HEX., 1/4-20 UNC X .75, GRADE 5 |
| 6 | 14 | 22456 | NUT-GRIP, 1/4-20 UNC |
| 7 | 1 | 123855 | BRACE-CABINET |
| 8 | 1 | 123856 | BRACE-CABINET |
| 9 | 2 | 124087 | PANEL-CABINET, TOP |
| 10 | 1 | 127086 | SUPPORT-CONTROL MOUNTING |
| 11 | 1 | 123767 | PANEL-CABINET, SIDE |
| 12 | 1 | 120358-43 | INSULATION |
| 13 | 1 | 120358-44 | INSULATION |
| 14 | 1 | 120358-45 | INSULATION |
| 15 | 1 | 120358-46 | INSULATION |
| 16 | 1 | 124083 | DOOR-CABINET |
| 17 | 1 | 120358-47 | INSULATION |
| 18 | 6 | 120975 | LATCH-DOOR |
| 19 | 6 | 120223 | MOULDING-WINDOW |
| 20 | 1 | 123772 | WINDOW-CABINET |
| 21 | 2 | 123771 | SUPPORT-PANEL, CABINET |
| 22 | 3 | 123776 | DOOR-CABINET |
| 23 | 3 | 120358-18 | INSULATION |
| 24 | 2 | 123779 | PANEL-CABINET, SIDE |
| 25 | 2 | 120358-2 | INSULATION |
| 26 | 3 | 120358-3 | INSULATION |
| 27 | 2 | 120358-4 | INSULATION |
| 28 | 2 | 120358-5 | INSULATION |
| 29 | 1 | 127210 | BAFFLE-COOLER, LEFT SIDE |
| 30 | 1 | 127211 | BAFFLE-COOLER, RIGHT SIDE |
| 31 | 4 | 120344 | PANEL-SIDE |
| 32 | 4 | 120358-6 | INSULATION |
| 33 | 2 | 123775 | DOOR-CABINET |
| 34 | 2 | 120358-48 | INSULATION |
| 35 | 1 | 123778 | PANEL-CABINET |
| 36 | 1 | 127209 | BAFFLE-COOLER, TOP |
| 37 | 1 | 120358-7 | INSULATION |
| 38 | 1 | 120358-8 | INSULATION |
| 39 | 1 | 120358-9 | INSULATION |
| 40 | 1 | 120358-10 | INSULATION |
| 41 | 2 | 120358-11 | INSULATION |
| 42 | 1 | 120358-12 | INSULATION |
| 43 | 12 | 120972 | CLIP-END, PANEL |
| 44 | 8 | 120973 | CLIP-TWIN, PANEL |
| 45 | 1 | 40744 | DECAL-"DANGER AIR FROM THIS COMPRESSOR" |
| 46 | 28 | 122259 | CAP-END CLIP |
| 47 | 1 | 123769 | BRACE-CABINET |
| 48 | 4 | 123773 | PLATE-MOUNTING, CABINET |
| 49 | 6 | 120962 | PLATE-SIDE EXTENSION MOUNT |
| 50 | 1 | 123770 | BRACE-CABINET |
| 51 | 32 | 110511-J07 | SCREW-TAPTITE, 1/4-20 UNC X .50 |
| 52 | 58 | 123115-04C | LOCKWASHER-1/4 |
| 53 | 38 | 124364-J02 | NUT-HEX., 1/4-20 UNC |
| 54 | 8 | 123777-J14 | SCREW-HEX., 1/4-20 UNC X 1.25, GRADE 5 |
| 55 | 2 | 21351 | NAMEPLATE-"QUINCY" |
| 56 | 2 | 120660 | DECAL-"Q1000" |
| 57 | 250 | 123844 | WASHER-SELFLOCK |
| 58 | 1 | 127212 | BAFFLE-COOLER, BOTTOM |
| 59 | 250 | 123798 | NUT-HANGER |
| 60 | 50 | 123797-002 | HANGER-INSULATION |
| 61 | 300FT | 22571 | TAPE-SEALANT, 1/4 |
| 62 | 200 | 123797-001 | HANGER-INSULATION |
| 63 | 2 | 120358-30 | INSULATION |

OPTIONAL CABINET SHROUD GROUP 127791-001
(for aircooled models)

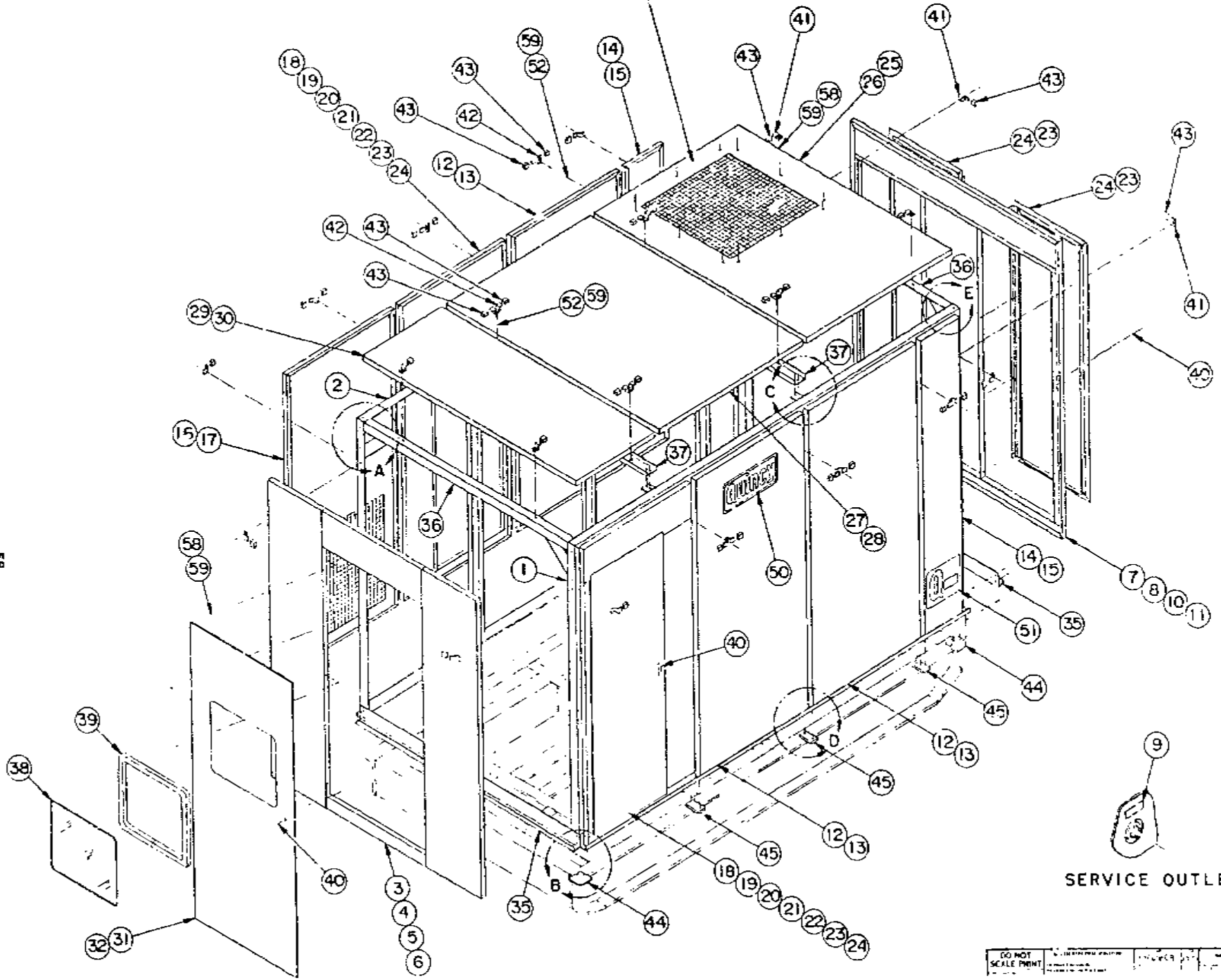


OPTIONAL CABINET SHROUD GROUP 127791-001

(for aircooled models)

| ITEM NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|----------------|-------------|----------------|---------------------------------------|
| 1 | 2 | 123857 | SHROUD-INLET |
| 2 | 1 | 123860 | PANEL-INLET SHROUD |
| 3 | 1 | 123859 | PANEL-INLET SHROUD |
| 4 | 1 | 123999 | SCREEN-INLET SHROUD |
| 5 | 2 | 123861 | PANEL-OUTLET SHROUD |
| 6 | 1 | 123864 | PANEL-OUTLET SHROUD |
| 7 | 1 | 123863 | PANEL-OUTLET SHROUD |
| 8 | 2 | 120358-58 | INSULATION |
| 9 | 2 | 120358-59 | INSULATION |
| 10 | 2 | 120358-60 | INSULATION |
| 11 | 2 | 120358-61 | INSULATION |
| 12 | 2 | 120358-63 | INSULATION |
| 13 | 2 | 120358-64 | INSULATION |
| 14 | 1 | 120358-66 | INSULATION |
| 15 | 1 | 120358-65 | INSULATION |
| 16 | 134 | 123777-J10 | SCREW-HEX., 1/4-20 UNC X .75, GRADE 5 |
| 17 | 66 | 123115-04C | LOCKWASHER-1/4 |
| 18 | 66 | 124364-J02 | NUT-HEX., 1/4-20 UNC |
| 19 | 68 | 22456 | NUT-GRIP, 1/4-20 UNC |
| 20 | 1 | 124439 | BRACE-OUTLET SHROUD |

SEE DETAIL F



(for watercooled models; continued on page 60)

CABINET GROUP 123932

| | | |
|--------------------|------|----|
| DO NOT SCALE PRINT | DATE | BY |
| | | |

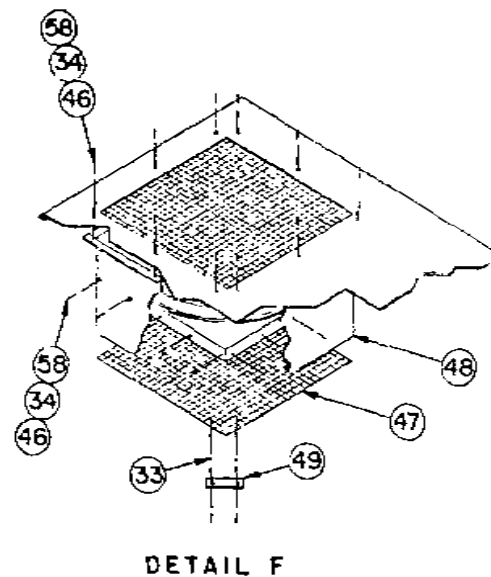
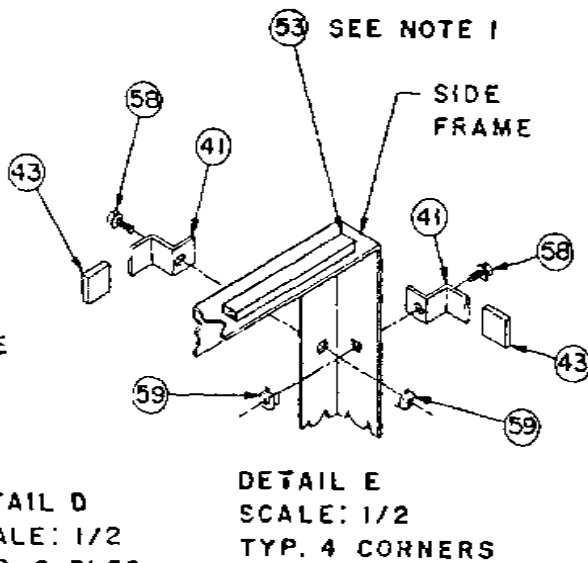
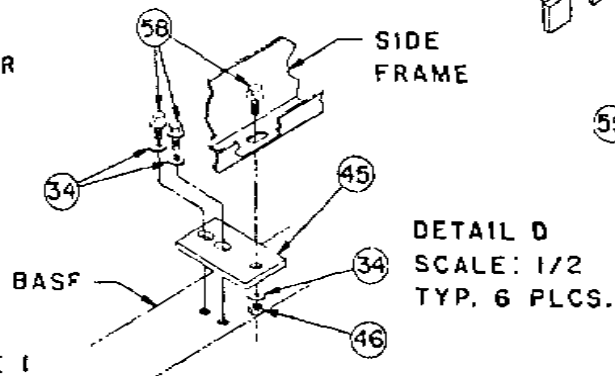
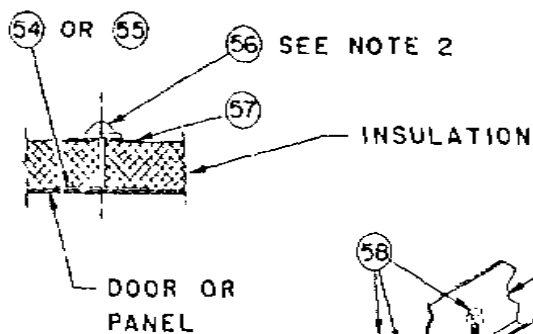
CABINET GROUP 123932

(for watercooled models)

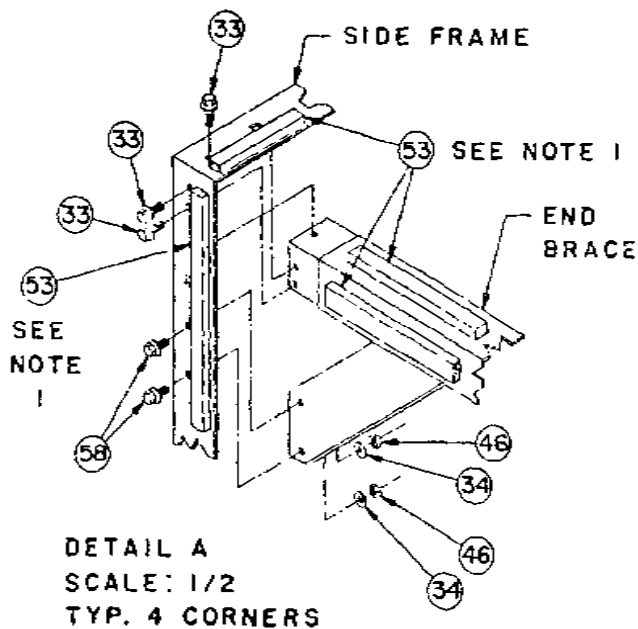
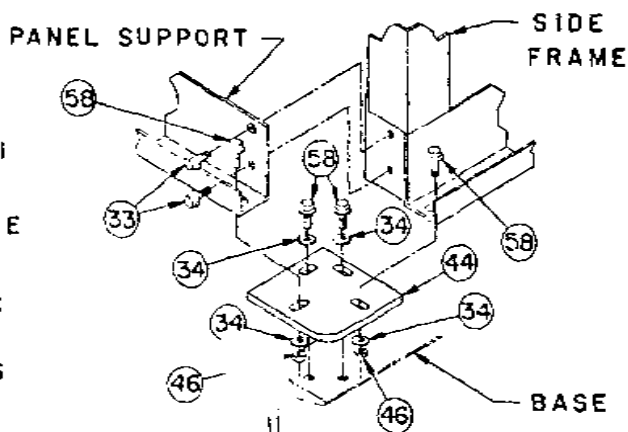
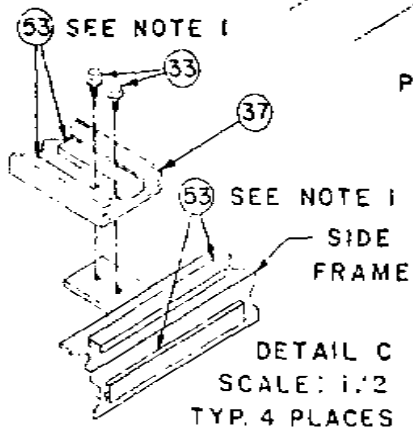
| ITEM NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|----------------|-------------|----------------|---|
| 1 | 1 | 123922 | FRAME-CABINET |
| 2 | 1 | 123921 | FRAME-CABINET |
| 3 | 1 | 123923 | PANEL-END |
| 4 | 2 | 120358-71 | INSULATION |
| 5 | 1 | 120358-45 | INSULATION |
| 6 | 1 | 120358-46 | INSULATION |
| 7 | 1 | 123924 | PANEL-END |
| 8 | 1 | 120358-28 | INSULATION |
| 9 | 1 | 40744 | DECAL-"DANGER AIR FROM THIS COMPRESSOR" |
| 10 | 1 | 120358-27 | INSULATION |
| 11 | 1 | 120358-72 | INSULATION |
| 12 | 3 | 120344 | PANEL-SIDE |
| 13 | 3 | 120358-6 | INSULATION |
| 14 | 2 | 120624 | PANEL-SIDE |
| 15 | 2 | 120358-25 | INSULATION |
| 16 | 1 | 120860 | PANEL-SIDE |
| 17 | 1 | 120358-32 | INSULATION |
| 18 | 2 | 123779 | PANEL-CABINET,SIDE |
| 19 | 2 | 120358-2 | INSULATION |
| 20 | 4 | 120358-3 | INSULATION |
| 21 | 2 | 120358-4 | INSULATION |
| 22 | 2 | 120358-5 | INSULATION |
| 23 | 4 | 123776 | DOOR-CABINET |
| 24 | 4 | 120358-18 | INSULATION |
| 25 | 1 | 124084 | PANEL-TOP |
| 26 | 1 | 120358-23 | INSULATION |
| 27 | 1 | 124085 | PANEL-TOP |
| 28 | 1 | 120358-31 | INSULATION |
| 29 | 1 | 123926 | PANEL-TOP |
| 30 | 1 | 120358-41 | INSULATION |
| 31 | 1 | 123768 | PANEL-DOOR |
| 32 | 1 | 120358-47 | INSULATION |
| 33 | 36 | 110511-J07 | SCREW-TAPTITE,1/4-20 UNC X .50 |
| 34 | 74 | 123115-04C | LOCKWASHER-1/4 |
| 35 | 2 | 123928 | SUPPORT-PANEL |
| 36 | 2 | 123920 | BRACE-FRAME |
| 37 | 2 | 123927 | BRACE-FRAME |
| 38 | 1 | 123772 | WINDOW-CABINET |
| 39 | 6 | 120223 | MOULDING-WINDOW |
| 40 | 5 | 120975 | LATCH-DOOR |
| 41 | 12 | 120972 | CLIP-END,PANEL |
| 42 | 10 | 120973 | CLIP-TWIN,PANEL |
| 43 | 32 | 122259 | CAP-END CLIP |
| 44 | 4 | 123773 | PLATE-MOUNTING,CABINET |
| 45 | 6 | 120962 | PLATE-SIDE EXTENSION MOUNT |
| 46 | 54 | 124364-J02 | NUT-HEX.,1/4-20 UNC |
| 47 | 1 | 120858 | GUARD-FAN |
| 48 | 4 | 120859 | BRACKET-FAN MOUNTING |
| 49 | 4 | 121136 | STRAP-RETAINING |
| 50 | 2 | 21351 | NAMEPLATE-"QUINCY" |
| 51 | 2 | 120660 | DECAL-"Q1000" |
| 52 | 10 | 123777-J14 | SCREW-HEX.,1/4-20 UNC X 1.25,GRADE 5 |
| 53 | 300FT | 22571 | TAPE-SEALANT,1/4 |
| 54 | 150 | 123797-001 | HANGER-INSULATION |
| 55 | 25 | 123797-002 | HANGER-INSULATION |
| 56 | 175 | 123798 | NUT-HANGER |
| 57 | 175 | 123844 | WASHER-SELFLOCK |
| 58 | 106 | 123777-J10 | SCREW-HEX.,1/4-20 UNC X .75,GRADE 5 |
| 59 | 42 | 22456 | NUT-GRIP,1/4-20 UNC |

TYPICAL METHOD OF
INSTALLING INSULATION

50078-101



40



NOTES (UNLESS OTHERWISE SPECIFIED)

1. TO BE APPLIED AROUND PERIMETER OF ALL SIDE, TOP, FRONT, AND REAR PANELS, AND ALL JOINTS WHERE METAL TO METAL CONTACT OCCURS.
2. WITH CLIPPING SPINDLE TO LENGTH, ALLOW 1/8" FOR INSTALLING PUSH-IN SPEED NUTS (ITEM NO. 56).
3. BASE TO BE FLAT WITHIN 30/100 ACROSS ANY 2 CORNERS AND FROM.
4. INSULATION NOT SHOWN FOR PURPOSES OF CLARITY.

(for watercooled models; continued from page 58)

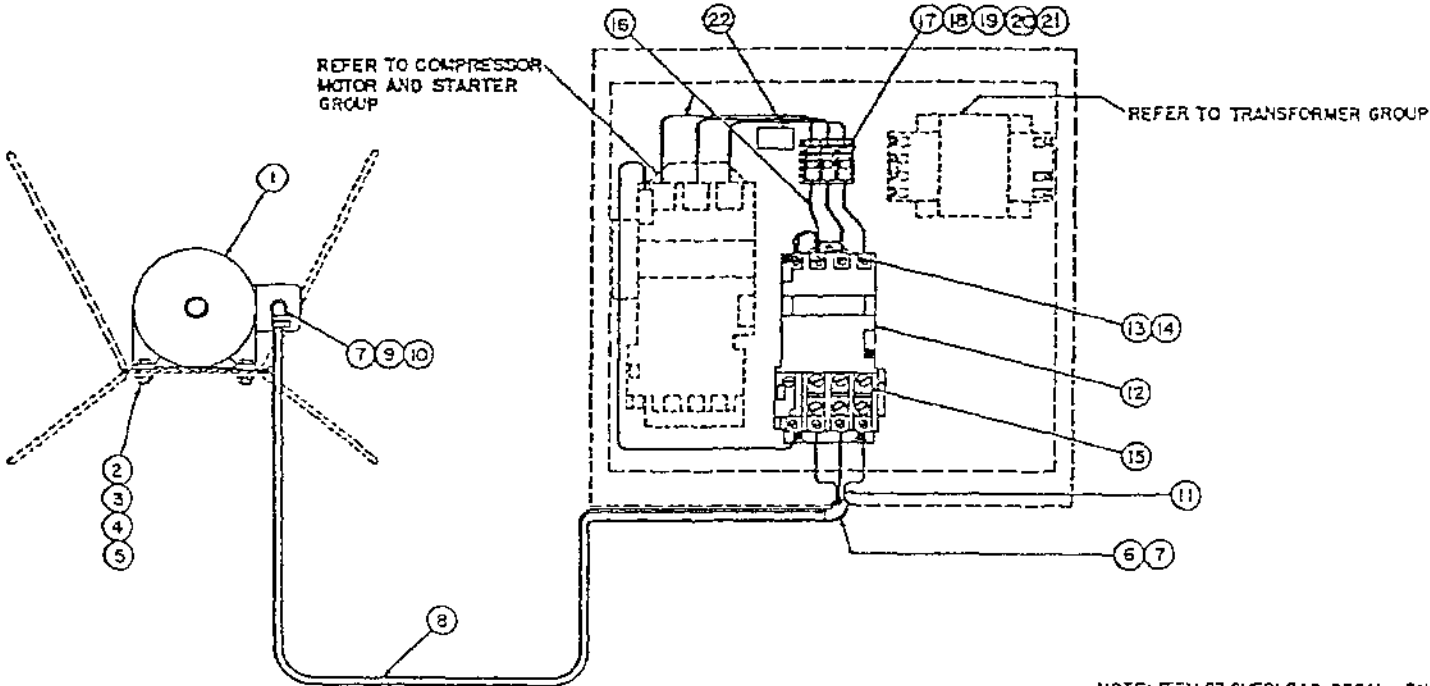
CABINET GROUP 123932

CABINET GROUP 123932

(for watercooled models)

| ITEM NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|----------------|-------------|----------------|---|
| 1 | 1 | 123922 | FRAME-CABINET |
| 2 | 1 | 123921 | FRAME-CABINET |
| 3 | 1 | 123923 | PANEL-END |
| 4 | 2 | 120358-71 | INSULATION |
| 5 | 1 | 120358-45 | INSULATION |
| 6 | 1 | 120358-96 | INSULATION |
| 7 | 1 | 123924 | PANEL-END |
| 8 | 1 | 120358-28 | INSULATION |
| 9 | 1 | 40794 | DECAL-"DANGER AIR FROM THIS COMPRESSOR" |
| 10 | 1 | 120358-27 | INSULATION |
| 11 | 1 | 120358-72 | INSULATION |
| 12 | 3 | 120344 | PANEL-SIDE |
| 13 | 3 | 120358-6 | INSULATION |
| 14 | 2 | 120624 | PANEL-SIDE |
| 15 | 2 | 120358-25 | INSULATION |
| 16 | 1 | 120860 | PANEL-SIDE |
| 17 | 1 | 120358-32 | INSULATION |
| 18 | 2 | 123779 | PANEL-CABINET,SIDE |
| 19 | 2 | 120358-2 | INSULATION |
| 20 | 4 | 120358-3 | INSULATION |
| 21 | 2 | 120358-4 | INSULATION |
| 22 | 2 | 120358-5 | INSULATION |
| 23 | 4 | 123776 | DOOR-CABINET |
| 24 | 4 | 120358-18 | INSULATION |
| 25 | 1 | 124084 | PANEL-TOP |
| 26 | 1 | 120358-23 | INSULATION |
| 27 | 1 | 124085 | PANEL-TOP |
| 28 | 1 | 120358-31 | INSULATION |
| 29 | 1 | 123926 | PANEL-TOP |
| 30 | 1 | 120358-41 | INSULATION |
| 31 | 1 | 123768 | PANEL-DOOR |
| 32 | 1 | 120358-47 | INSULATION |
| 33 | 36 | 110511-J07 | SCREW-TAPTITE,1/4-20 UNC X .50 |
| 34 | 74 | 123115-04C | LOCKWASHER-1/4 |
| 35 | 2 | 123928 | SUPPORT-PANEL |
| 36 | 2 | 123920 | BRACE-FRAME |
| 37 | 2 | 123927 | BRACE-FRAME |
| 38 | 1 | 123772 | WINDOW-CABINET |
| 39 | 6 | 120223 | MOULDING-WINDOW |
| 40 | 5 | 120975 | LATCH-DOOR |
| 41 | 12 | 120972 | CLIP-END,PANEL |
| 42 | 10 | 120973 | CLIP-THIN,PANEL |
| 43 | 32 | 122259 | CAP-END CLIP |
| 44 | 4 | 123773 | PLATE-MOUNTING,CABINET |
| 45 | 6 | 120962 | PLATE-SIDE EXTENSION MOUNT |
| 46 | 54 | 124364-J02 | NUT-HEX.,1/4-20 UNC |
| 47 | 1 | 120858 | GUARD-FAN |
| 48 | 4 | 120859 | BRACKET-FAN MOUNTING |
| 49 | 4 | 121136 | STRAP-RETAINING |
| 50 | 2 | 21351 | NAMEPLATE-"QUINCY" |
| 51 | 2 | 120660 | DECAL-"Q1000" |
| 52 | 10 | 123777-J14 | SCREW-HEX.,1/4-20 UNC X 1.25,GRADE 5 |
| 53 | 300FT | 22571 | TAPE-SEALANT,1/4 |
| 54 | 150 | 123797-001 | HANGER-INSULATION |
| 55 | 25 | 123797-002 | HANGER-INSULATION |
| 56 | 175 | 123798 | NUT-HANGER |
| 57 | 175 | 123844 | HASHER-SELFLOCK |
| 58 | 106 | 123777-J10 | SCREW-HEX.,1/4-20 UNC X .75,GRADE 5 |
| 59 | 42 | 22456 | NUT-GRIP,1/4-20 UNC |

TRANSFORMER GROUP 128020

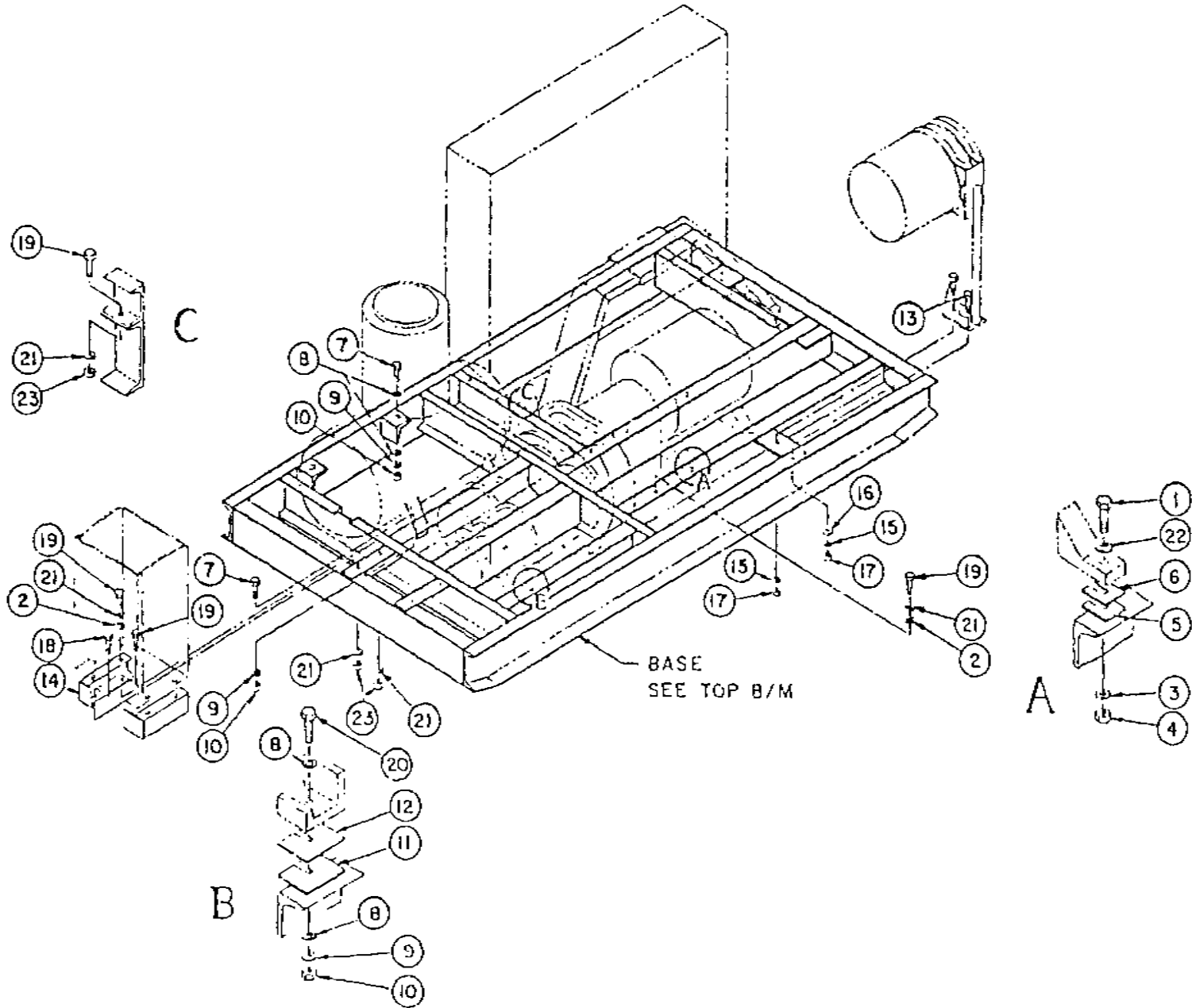


NOTE: ITEM 23 OVERLOAD DECAL, ON THE INSIDE OF CONTROL PANEL DOOR.

TRANSFORMER GROUPS

| INDEX NO. | QTY | PART NUMBER | QTY | PART NUMBER | DESCRIPTION |
|-----------|------|--|------|-------------|---------------------------------|
| | | 128020-254 460 VOLT REMOTE STARTER | | | |
| | | 128020-255 575 VOLT REMOTE STARTER | | | |
| 1 | 1 | 127321-253 | 1 | 127321-255 | TRANSFORMER |
| 2 | 6 | 123200-F05 | 6 | 123200-F05 | SCREW-PAN HEAD, #8-32 UNC X .38 |
| 3 | 6 | 123108-08C | 6 | 123108-08C | LOCKWASHER-#8 |
| 4 | 1 | 126263-002 | 1 | 126263-002 | FUSEBLOCK-ELECTRICAL |
| 5 | 2 | 9532-509 | 2 | 9532-608 | FUSE |
| 6 | 1 | 22209 | 1 | 22209 | FUSE |
| 7 | 2 | 40639 | 2 | 40639 | DECAL-"CAUTION" |
| 8 | 2 | 23190-15 | 2 | 23190-15 | TERMINAL-LOCKING FORK |
| 9 | 1 | 23190-16 | 1 | 23190-16 | TERMINAL-LOCKING FORK |
| 10 | 4 | 23190-17 | 4 | 23190-17 | TERMINAL-LOCKING FORK |
| 11 | 2 | 23190-03 | 2 | 23190-03 | TERMINAL-LOCKING FORK |
| 12 | 2 FT | 122850 | 2 FT | 122850 | WIRE-YELLOW ELECTRICAL, #18 |
| 13 | 1 FT | 7909 | 1 FT | 7909 | WIRE-GREEN ELECTRICAL, #14 |
| 14 | 1 FT | 122848 | 1 FT | 122848 | WIRE-RED ELECTRICAL, #18 |
| | | 128020-354 460 VOLT STARTER MOUNTED & WIRED | | | |
| | | 128020-355 575 VOLT STARTER MOUNTED & WIRED | | | |
| 1 | 1 | 127321-353 | 1 | 122824-575 | TRANSFORMER |
| 2 | 6 | 123200-F09 | 6 | 123200-F09 | SCREW-PAN HEAD, #8-32 UNC X .62 |
| 3 | 6 | 123108-08C | 6 | 123108-08C | LOCKWASHER-#8 |
| 4 | 1 | 126263-002 | 1 | 126263-002 | FUSEBLOCK-ELECTRICAL |
| 5 | 2 | 120669 | 2 | 120676 | FUSE |
| 6 | 1 | 9532-235 | 1 | 9532-235 | FUSE |
| 7 | 2 | 40639 | 2 | 40639 | DECAL-"CAUTION" |
| 8 | 2 | 23190-15 | 2 | 23190-15 | TERMINAL-LOCKING FORK |
| 9 | 1 | 23190-16 | 1 | 23190-16 | TERMINAL-LOCKING FORK |
| 10 | 4 | 23190-17 | 4 | 23190-17 | TERMINAL-LOCKING FORK |
| 11 | 2 | 23190-03 | 2 | 23190-03 | TERMINAL-LOCKING FORK |
| 12 | 2 FT | 122850 | 2 FT | 122850 | WIRE-YELLOW ELECTRICAL, #18 |
| 13 | 1 FT | 7909 | 1 FT | 7909 | WIRE-GREEN ELECTRICAL, #14 |
| 14 | 1 FT | 122848 | 1 FT | 122848 | WIRE-RED ELECTRICAL, #18 |

FINAL ASSEMBLY GROUP 124116
(AIRCOOLED MODELS)



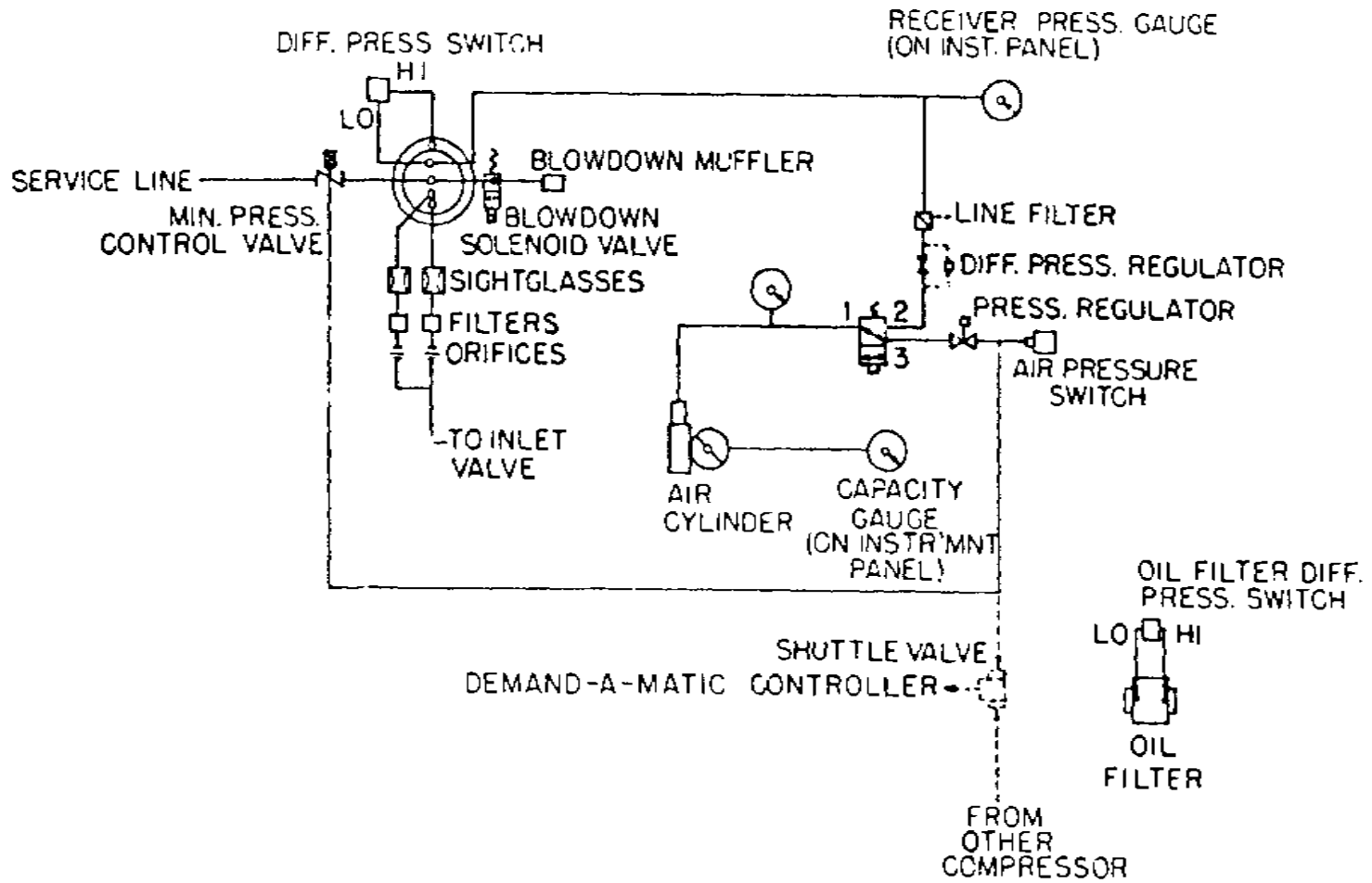
FINAL ASSEMBLY GROUP 124116
(AIRCOOLED MODELS)

| INDEX NUMBER | Q T Y | PART NUMBER | DESCRIPTION |
|-----------------|-------------|----------------|---|
| 1 | 4 | 123478-R21 | SCREW-HEX., 3/4-10 UNC X 3.00, GRADE 5 |
| 2 | 4 | 110428M038 | FLATWASHER-3/8 |
| 3 | 4 | 123115-12C | LOCKWASHER-3/4 |
| 4 | 4 | 124364-R02 | NUT-HEX., 3/4-10 UNC |
| 5 | 16 | 21961 | SHIM-COMPRESSOR AND MOTOR, .015 THICK |
| 6 | 16 | 21962 | SHIM-COMPRESSOR AND MOTOR, .005 THICK |
| 7 | 4 | 123478-Q21 | SCREW-HEX., 5/8-11 UNC X 3.00, GRADE 5 |
| 8 | 16 | 110428M062 | FLATWASHER-5/8 |
| 9 | 8 | 123115-10C | LOCKWASHER-5/8 |
| 10 | 8 | 124364-Q02 | NUT-HEX., 5/8-11 UNC |
| 11 | 8 | 21962-002 | SHIM-COMPRESSOR AND MOTOR, .002 THICK |
| 12 | 8 | 21962-003 | SHIM-COMPRESSOR AND MOTOR, .003 THICK |
| 13 | 3 | 123478-M15 | SCREW-HEX., 7/16-14 UNC X 1.50, GRADE 5 |
| 14 | 1 | 123917 | PEDESTAL-CONTROL BOX |
| 15 | 3 | 123115-07C | LOCKWASHER-7/16 |
| 16 | 2 | 110428M044 | FLATWASHER-7/16 |
| 17 | 3 | 124364-M02 | NUT-HEX., 7/16-14 UNC |
| 18 | 2 | 123478-L15 | SCREW-HEX., 3/8-16 UNC X 1.50, GRADE 5 |
| 19 | 16 | 123478-L14 | SCREW-HEX., 3/8-16 UNC X 1.25, GRADE 5 |
| 20 | 4 | 123478-Q23 | SCREW-HEX., 5/8-11 UNC X 3.50, GRADE 5 |
| 21 | 14 | 123115-06C | LOCKWASHER-3/8 |
| 22 | 8 | 110428M075 | FLATWASHER-3/4 |
| 23 | 10 | 124364-L02 | NUT-HEX., 3/8-16 UNC |

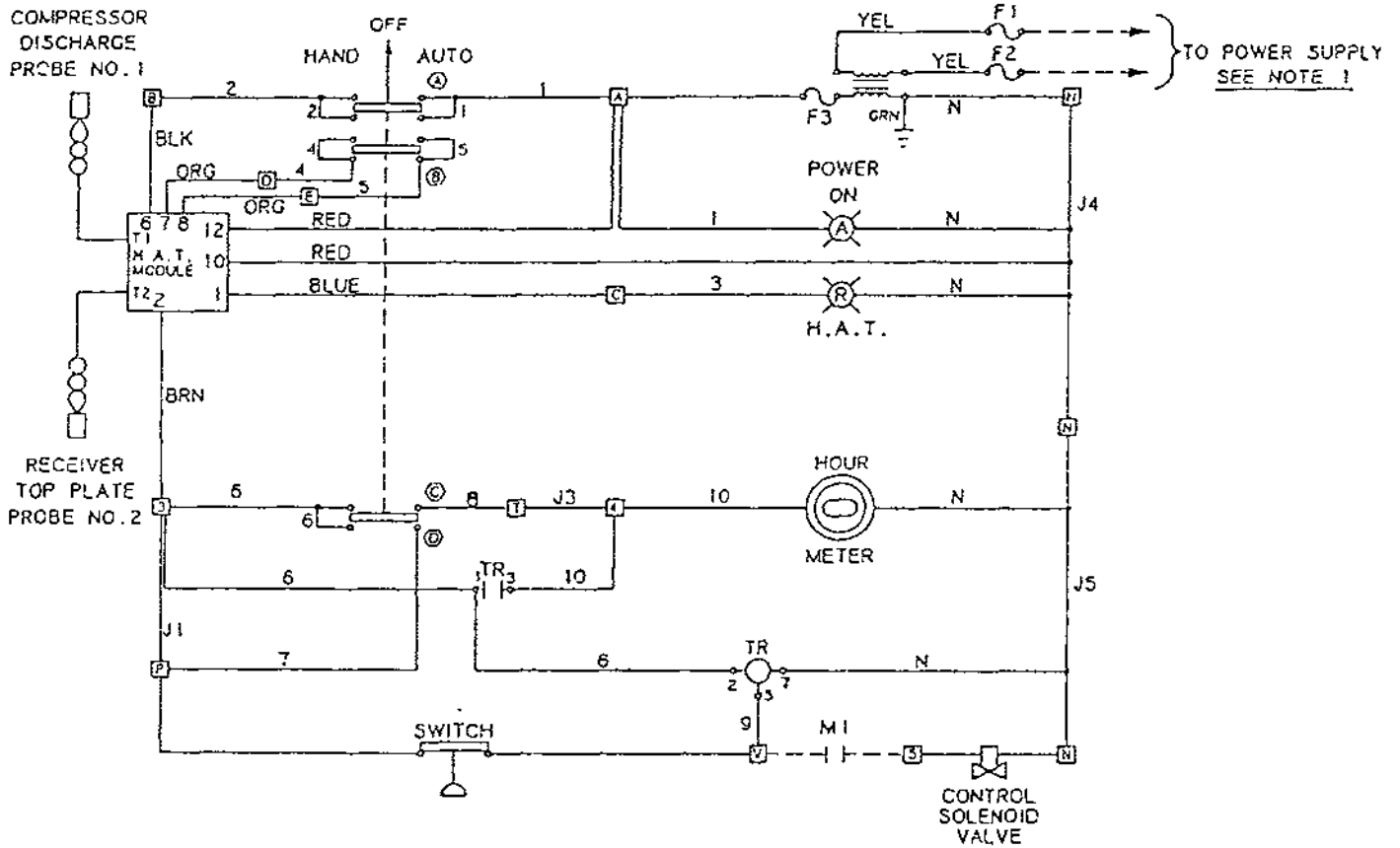
FINAL ASSEMBLY GROUP 120649
(WATERCOOLED MODELS)

| INDEX NUMBER | QTY | PART NUMBER | DESCRIPTION |
|--------------|-----|-------------|--|
| 1 | 2 | 125387-001 | PLATE-RISER |
| 2 | 11 | 123115-06C | LOCKWASHER-3/8 |
| 3 | 4 | 110428W038 | FLATWASHER-3/8 |
| 4 | 8 | 123115-10C | LOCKWASHER-5/8 |
| 5 | 4 | 123115-12C | LOCKWASHER-3/4 |
| 6 | 4 | 122151 | SCREW-HEX., 1/4-20 UNC X .75, GRADE 5 |
| 7 | 3 | 124364-L02 | NUT-HEX., 3/8-16 UNC |
| 8 | 9 | 123478-L12 | SCREW-HEX., 3/8-16 UNC X 1.00, GRADE 5 |
| 9 | 8 | 124364-Q02 | NUT-HEX., 5/8-11 UNC |
| 10 | 4 | 124364-R02 | NUT-HEX., 3/4-10 UNC |
| 11 | 4 | 123478-Q23 | SCREW-HEX., 5/8-11 UNC X 3.50, GRADE 5 |
| 12 | 8 | 110428W075 | FLATWASHER-3/4 |
| 13 | 2 | 123478-Q15 | SCREW-HEX., 5/8-11 UNC X 1/50, GRADE 5 |
| 14 | 16 | 110428W062 | FLATWASHER-5/8 |
| 15 | 2 | 123478-Q16 | SCREW-HEX., 5/8-11 UNC X 1.75, GRADE 5 |
| 16 | 4 | 123478-R2D | SCREW-HEX., 3/4-10 UNC X 2.75, GRADE 5 |
| 17 | 2 | 123478-L15 | SCREW-HEX., 3/8-16 UNC X 1.50, GRADE 5 |

CONTROL SYSTEM SCHEMATIC



WIRING SCHEMATIC (AUTO-DUAL MODELS) WP1721A

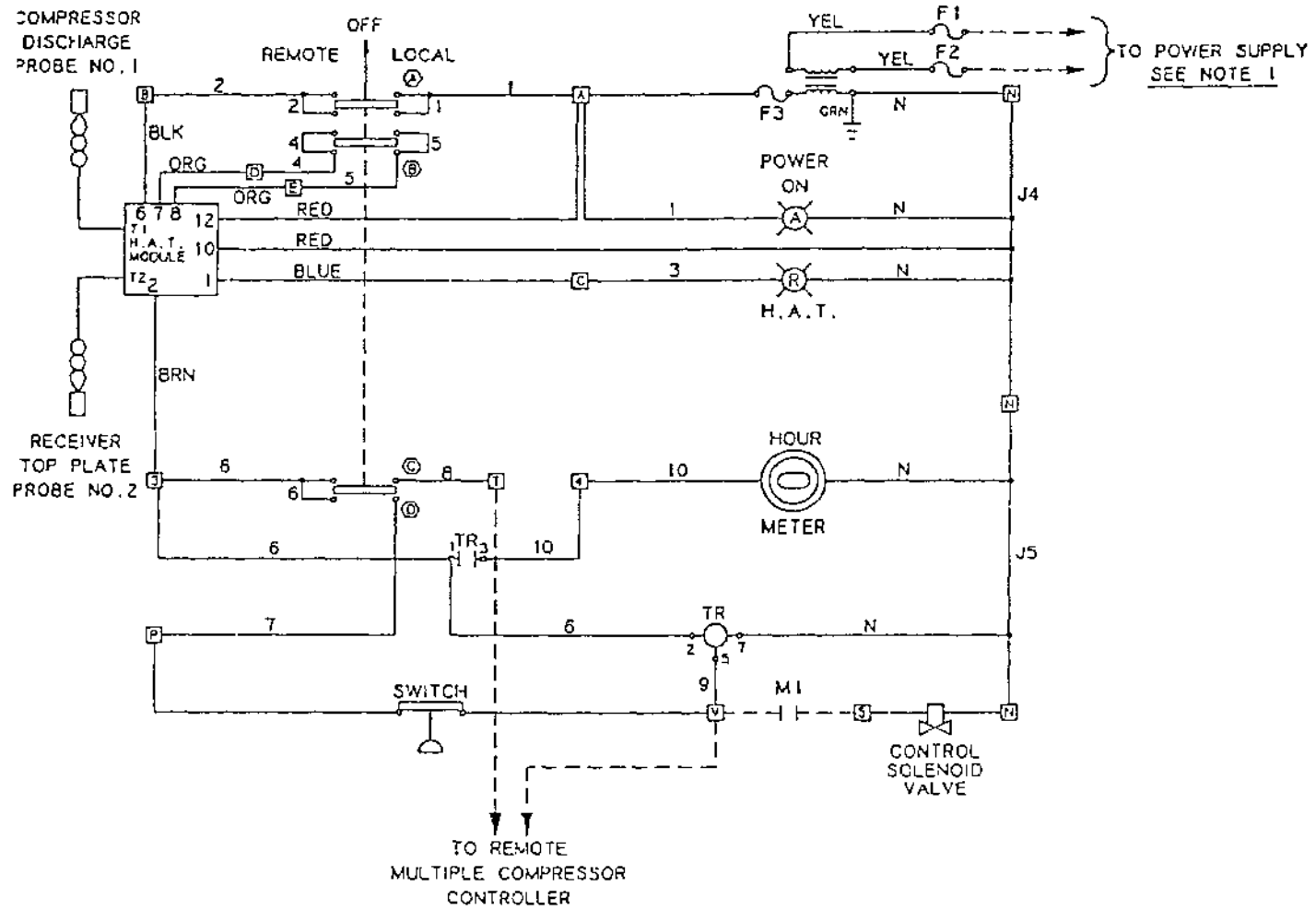


NOTES:

- 1) FOR STARTER CONNECTION REFER TO APPROPRIATE WP1729 SERIES DIAGRAM.
- 2) FOR CONVERSION TO AUTO-DEMAND CONTROL REFER TO WP1721B.
- 3) ALL WIRES ARE RED UNLESS OTHERWISE SPECIFIED.

| POS. CONT. | HAND ↘ | OFF ↓ | AUTO ↙ |
|---------------|-----------|----------|-----------|
| (A) | X | O | X |
| (B) | X | O | X |
| (C) | X | O | O |
| (D) | O | O | X |

WIRING SCHEMATIC (AUTO-DEMAND MODELS) WP1721B

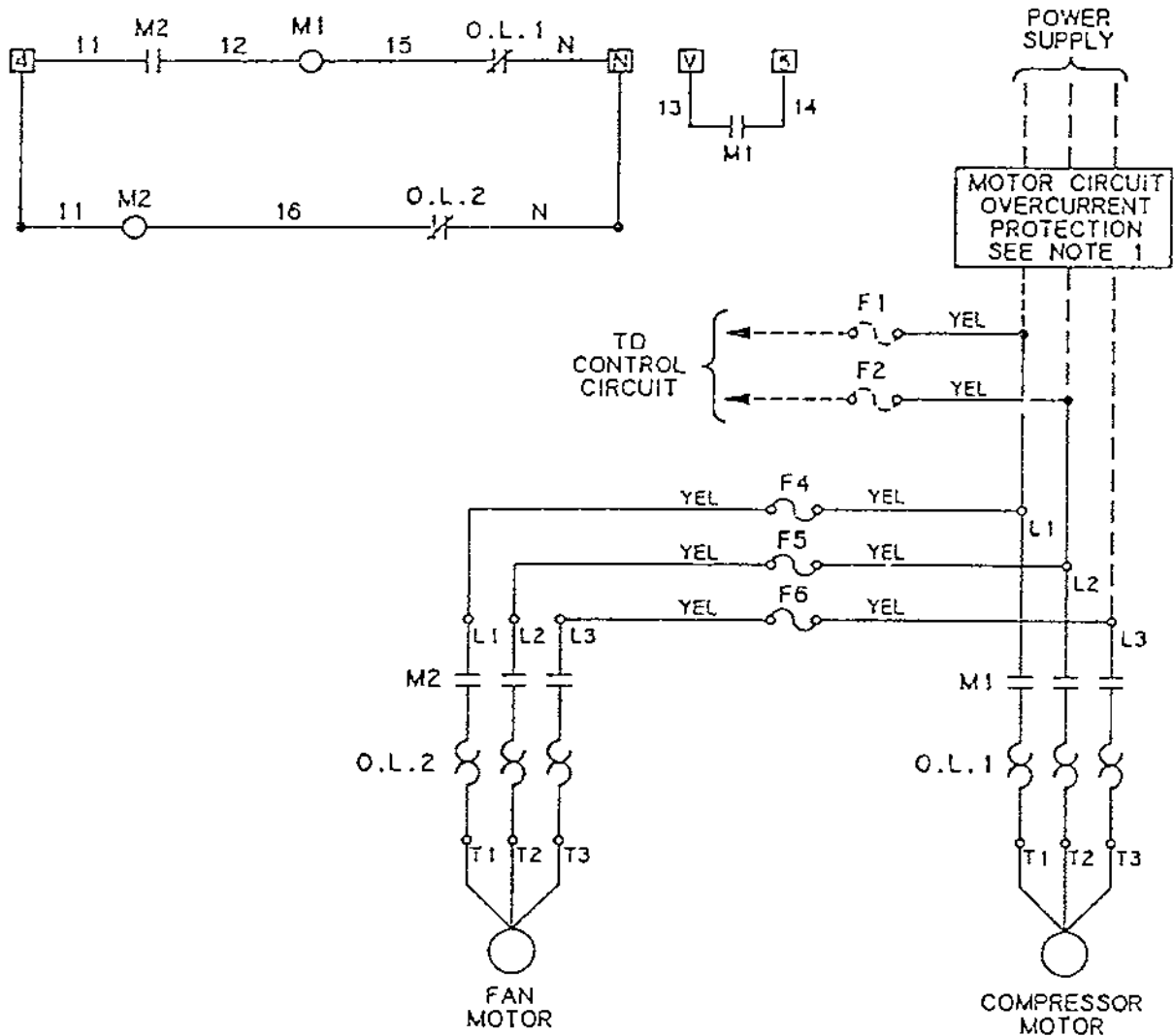


NOTES:

- 1) FOR STARTER CONNECTION REFER TO APPROPRIATE WP1729 SERIES DIAGRAM.
- 2) FOR CONVERSION TO AUTO-DUAL CONTROL REFER TO WP1721A.
- 3) ALL WIRES ARE RED UNLESS OTHERWISE SPECIFIED.

| POS. CONT. | REMOTE | OFF | LOCAL |
|---------------|--------|-----|-------|
| (A) | X | O | X |
| (B) | X | O | X |
| (C) | X | O | O |
| (D) | O | O | X |

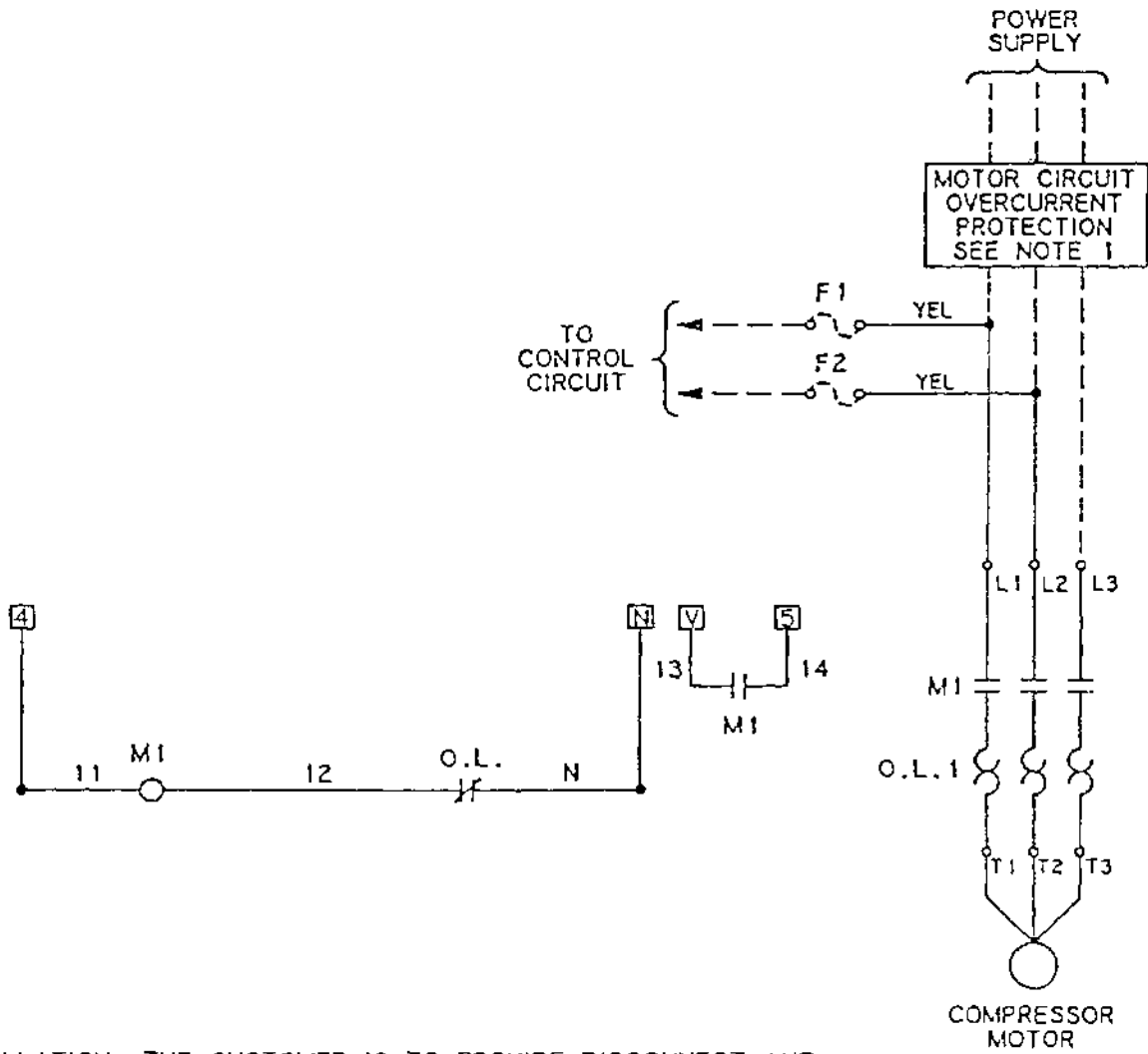
**WIRING SCHEMATIC; STARTER
(AIRCOOLED)
(WATERCOOLED WITH CANOPY)
WP1729A**



NOTES:

- 1) AT INSTALLATION, THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE.
- 2) ALL WIRES ARE RED UNLESS OTHERWISE SPECIFIED.

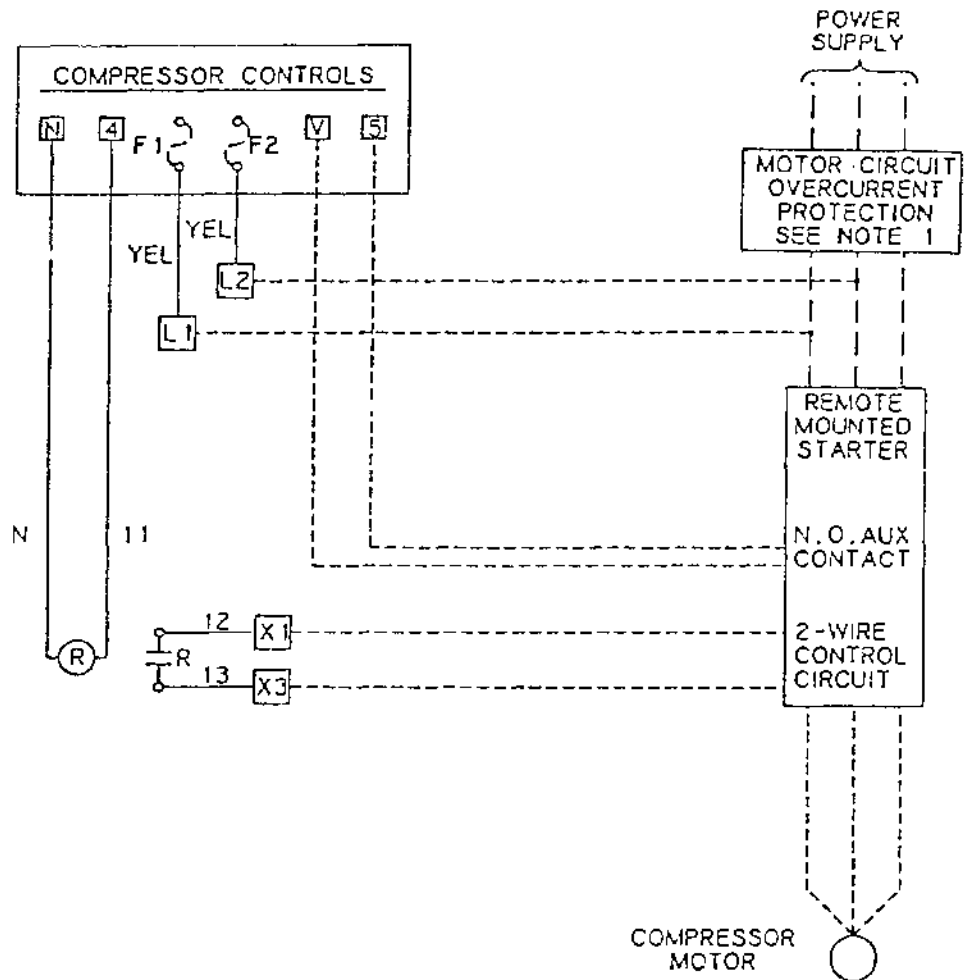
**WIRING SCHEMATIC; STARTER
(WATERCOOLED LESS CANOPY)
WP1729C**



NOTES:

- 1) AT INSTALLATION, THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE.
- 2) ALL WIRES ARE RED UNLESS OTHERWISE SPECIFIED.

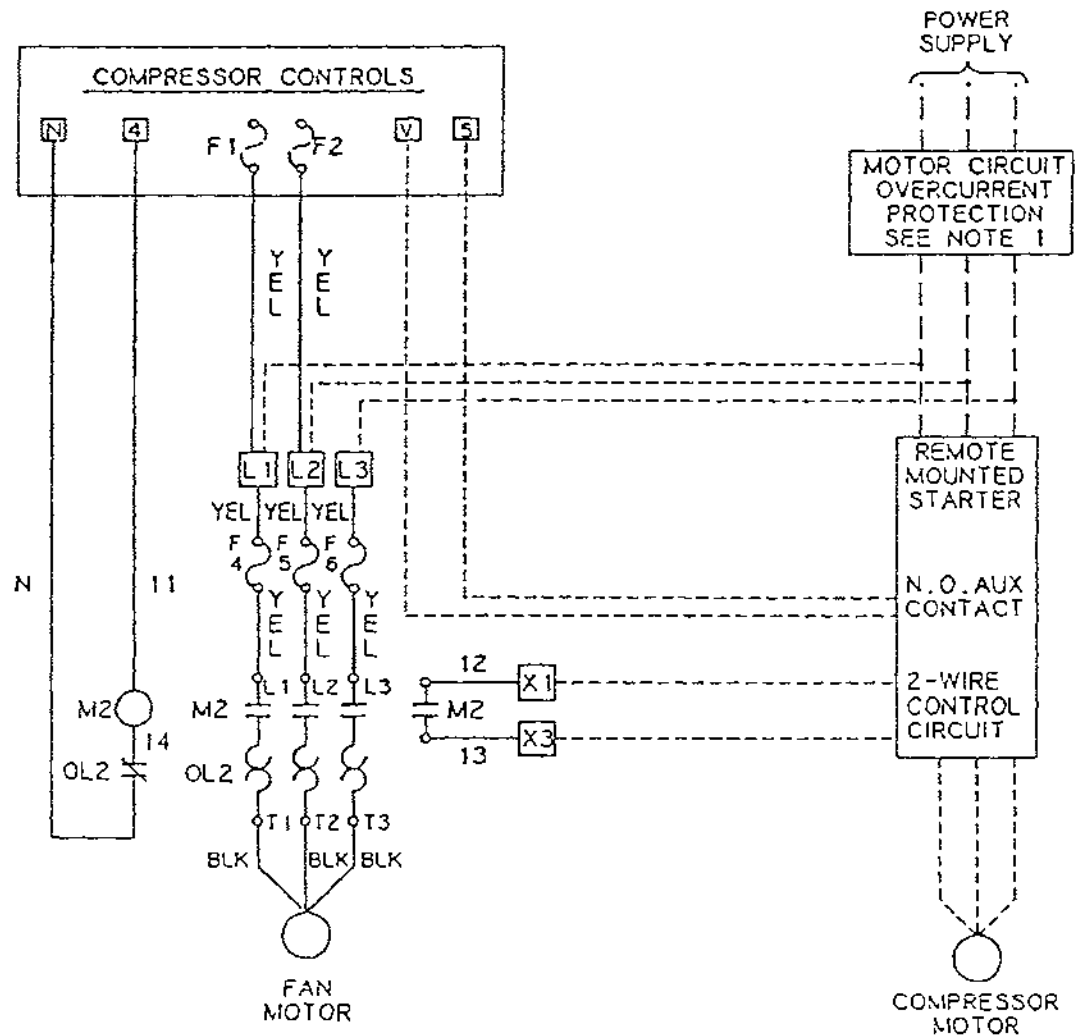
**WIRING SCHEMATIC; REMOTE STARTER
(WATERCOOLED LESS CANOPY)
WP1729E**



NOTES:

- 1) AT INSTALLATION THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE.
- 2) ALL WIRES ARE RED UNLESS OTHERWISE SPECIFIED.
- 3) ALL STARTER COILS ARE TO BE 120VAC.
- 4) THE REMOTE COMPRESSOR MOTOR STARTER MUST PROVIDE ITS OWN 120VAC CONTROL CIRCUIT.
- 5) THE COMPRESSOR CONTROL PANEL PROVIDES A ISOLATED CONTACT FOR THE TWO WIRE CONTROL OF THE COMPRESSOR MOTOR STARTER. THE STARTER MUST BE PROVIDED WITH A ISOLATED CONTACT FOR CONNECTION TO TERMINALS "V" AND "5" AS SHOWN.

**WIRING SCHEMATIC; REMOTE STARTER
(AIRCOOLED)
(WATERCOOLED WITH CANOPY)
WP1729F**



NOTES:

- 1) AT INSTALLATION THE CUSTOMER IS TO PROVIDE DISCONNECT AND BRANCH CIRCUIT OVERCURRENT PROTECTION IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND/OR ANY LOCAL CODES HAVING PRECEDENCE.
- 2) ALL WIRES ARE RED UNLESS OTHERWISE SPECIFIED.
- 3) ALL STARTER COILS ARE TO BE 120VAC.
- 4) THE REMOTE COMPRESSOR MOTOR STARTER MUST PROVIDE ITS OWN 120VAC CONTROL CIRCUIT.
- 5) THE COMPRESSOR CONTROL PANEL PROVIDES A ISOLATED CONTACT FOR THE TWO WIRE CONTROL OF THE COMPRESSOR MOTOR STARTER. THE STARTER MUST BE PROVIDED WITH A ISOLATED CONTACT FOR CONECTION TO TERMINALS "V" AND "5" AS SHOWN.

PIPE COUPLING ASSEMBLY INSTRUCTIONS

THE FOLLOWING PROCEDURE IS TO BE FOLLOWED FOR CORRECT PREPARATION AND ASSEMBLY OF AERQUIP FLEXMASTER COUPLINGS:

- 1) PIPE END PREPARATION
 - A) DEBURR AND CLEAN PIPE ENDS
 - B) PIPE SURFACE MUST BE ROUND AND FREE OF DEEP SCRATCHES, GOUGES, DENTS, ETC.
 - C) THE ACCEPTABLE DISTANCE BETWEEN PIPE ENDS IS SHOWN IN TABLE 1.
 - D) MAXIMUM TOTAL MISALIGNMENT BETWEEN PIPES IS $\pm 4^\circ$. THIS INCLUDES ANGULAR MISALIGNMENT AND OFFSET. SEE TABLE 2.

- 2) JOINT INSTALLATION
REFERENCE FIG. 1.
 - A) INSTALL RETAINER (1) ON PIPE.
SLIP THE LOWER HALF OF THE SELF RESTRAINED GASKET (3) OVER THE PIPE, LEAVING THE SPLIT AREA OF THE STEEL RESTRAINING RING (2) FREE AT THE TOP. THEN STRETCH THE GASKET (3) AND THE SPLIT AREA OF THE STEEL RESTRAINING RING (2) UNTIL THEY SLIP OVER THE PIPE AND INTO POSITION.
REFERENCE FIGS. 2 & 3 AND TABLE 3.
 - B) POSITION RETAINER (4) AND GASKET WITH STEEL RESTRAINER (5) TO PROPER INSERTION DEPTH AS SHOWN IN TABLE 3.
 - C) SLIDE SLEEVE (3) TO GASKET (5) AND MOVE GASKET (2) AND RETAINER (1) INTO POSITION AS SHOWN IN FIGURE 3. PIPE MUST BE INSERTED TO PROPER DEPTH "D" IN BOTH GASKETS.

- 3) COUPLER INSTALLATION
REFERENCE FIG. 4 AND TABLE 4.
INSTALL V COUPLINGS 8 AND 9, ENCOMPASSING THE RETAINERS 1 AND 4, THE GASKETS 3 AND 5, AND THE SLEEVE 7. DO NOT TIGHTEN EITHER COUPLING UNTIL THE ENTIRE JOINT HAS BEEN ASSEMBLED. TIGHTEN NUTS GRADUALLY, ALTERNATING FROM ONE NUT TO THE OTHER AND TAPPING THE V COUPLINGS LIGHTLY AS THE TORQUE VALUES SHOWN IN TABLE 4 ARE APPROACHED. RETIGHTENING OF THE COUPLER WILL BE NECESSARY IF LEAKAGE OCCURS.

- 4) SPECIAL NOTES
 - A) ASSEMBLY OF THE GASKETS CAN BE MADE EASIER BY DIPPING INTO A SOAPY WATER SOLUTION OR THE FLUID TO BE SEALED. NO OTHER LUBRICANT SHOULD BE USED.
 - B) GASKETS WITH STEEL RESTRAINING RINGS SHOULD NEVER BE REUSED.

PIPE COUPLING ASSEMBLY INSTRUCTIONS

| PIPE SIZE | DISTANCE "L" | OFFSET "M" |
|-----------|--------------|------------|
| 1 | 1.9 | .13 |
| 1¼ | 2.28 | .16 |
| 1½ | 2.53 | .18 |
| 2 | 3.03 | .21 |
| 2½ | 4.56 | .32 |
| 3 | 5.19 | .36 |
| 3½ | 5.66 | .40 |
| 4 | 8.56 | .44 |

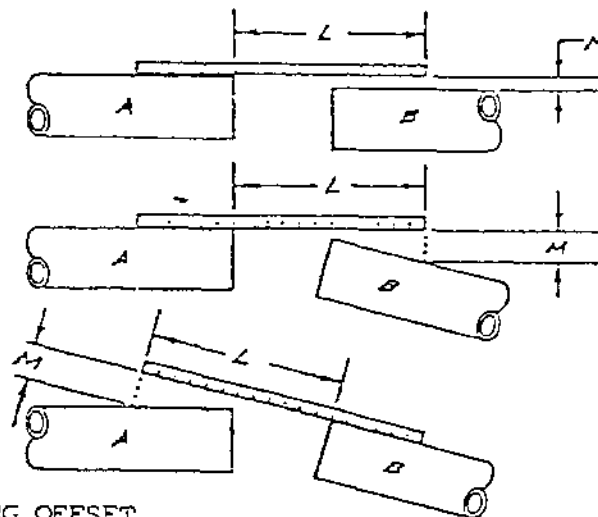
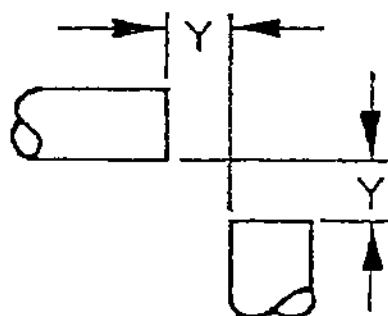
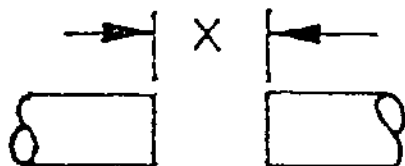


TABLE 2
METHOD OF ESTABLISHING OFFSET

1. LAY STRAIGHTEDGE ALONG TOP OF PIPE "A".
2. MEASURE OUT DISTANCE "L" AS SHOWN IN TABLE FOR PIPE SIZE BEING FITTED WITH COUPLING.
3. TAKE MEASUREMENT "M" AT DISTANCE "L", 90° FROM BOTTOM OF STRAIGHTEDGE TO PIPE "B". THE OFFSET "M" MUST NOT EXCEED THE CORRESPONDING VALUE IN THE TABLE.
4. LAY STRAIGHTEDGE ALONG TOP OF PIPE "B" AND REPEAT STEPS 2 AND 3.
5. WHEN THE OFFSET "M" IS EXCEEDED IN EITHER DIRECTION, THE PIPES MUST BE REALIGNED.



| PIPE SIZE | DISTANCE BETWEEN PIPE ENDS, STRAIGHT COUPLING | | | | | | | |
|----------------|---|-----|------|------|------|------|------|------|
| | 1 | 1¼ | 1½ | 2 | 2½ | 3 | 3½ | 4 |
| MAX. DIST. "X" | .60 | .95 | 1.18 | 1.64 | 3.14 | 3.10 | 3.06 | 3.02 |
| MIN. DIST. "X" | .10 | .13 | .26 | .32 | 1.74 | 1.70 | 1.66 | 1.62 |

| PIPE SIZE | DISTANCE BETWEEN PIPE ENDS, 90° LONG ELBOW COUPLING | | | | | | | |
|----------------|---|------|------|------|------|------|------|------|
| | 1 | 1¼ | 1½ | 2 | 2½ | 3 | 3½ | 4 |
| MAX. DIST. "Y" | 2.44 | 2.52 | 2.77 | 3.01 | 3.00 | 4.61 | 5.36 | 6.07 |
| MIN. DIST. "Y" | 2.03 | 2.11 | 2.31 | 2.35 | 2.30 | 3.91 | 4.64 | 5.37 |

TABLE 1

PIPE COUPLING ASSEMBLY INSTRUCTIONS

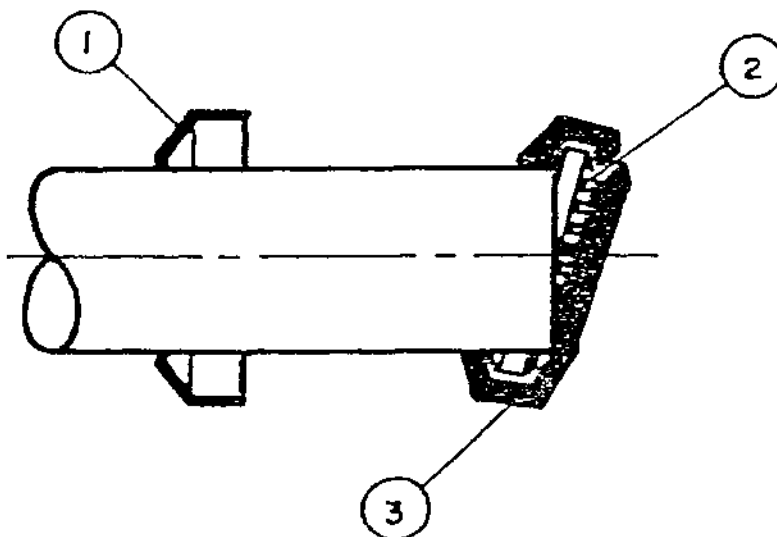


FIG. 1

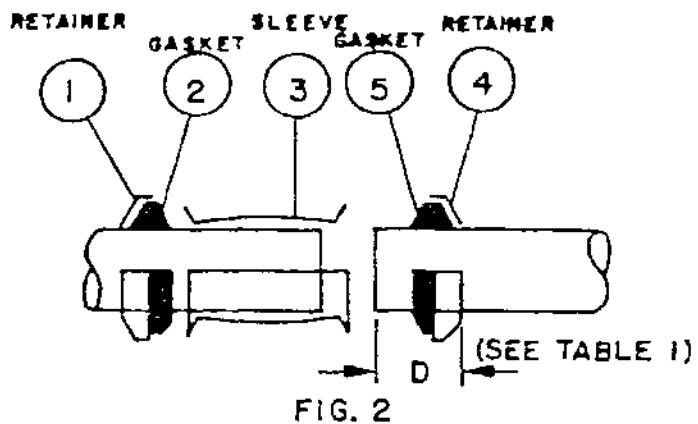


FIG. 2

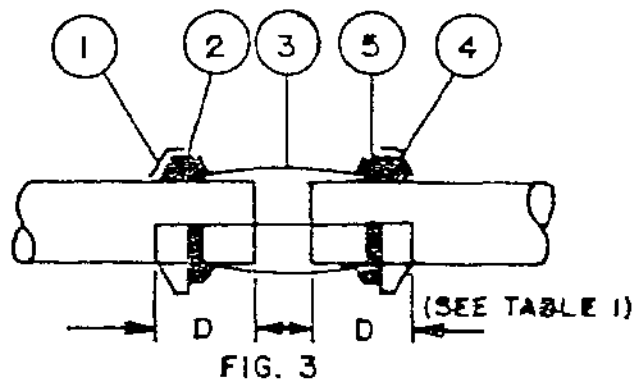


FIG. 3

TABLE 1 INSERTION DEPTH ("D")

| PIPE SIZE | ("D") MINIMUM | ("D") MAXIMUM |
|-----------|---------------|---------------|
| 0.38 | 0.71 | 1.00 |
| 0.50 | 0.71 | 1.09 |
| 0.75 | 1.00 | 1.21 |
| 1.00 | 1.14 | 1.39 |
| 1.25 | 1.15 | 1.56 |
| 1.50 | 1.16 | 1.62 |
| 2.00 | 1.18 | 1.84 |
| 2.50 | 1.68 | 2.38 |
| 3.00 | 1.70 | 2.40 |
| 3.50 | 1.72 | 2.42 |
| 4.00 | 1.74 | 2.44 |
| 5.00 | 2.08 | 2.24 |
| 6.00 | 1.86 | 2.33 |

TABLE 3

PIPE COUPLING ASSEMBLY INSTRUCTIONS

TABLE 4 - TORQUE CHART *

| <u>PIPE SIZE</u> | <u>STANDARD</u> | <u>SELF RESTRAINED</u> |
|------------------|------------------|------------------------|
| .39"-.75" | 40-60 IN. LBS. | 40-60 IN. LBS. |
| 1"-2" | 90-110 IN. LBS. | 140-160 IN. LBS. |
| 2.50"-3.00" | 180-200 IN. LBS. | 220-240 IN. LBS. |
| 3.50"-4.00" | 240-260 IN. LBS. | 280-300 IN. LBS. |
| 5.00"-6.00" | 300-320 IN. LBS. | 480-500 IN. LBS. |

*TORQUE TO INCH-LBS. AS SHOWN IN TABLE 4 OR TO A MINIMUM OF 1/16" CLEARANCE BETWEEN COUPLING LUGS, WHICHEVER OCCURS FIRST.

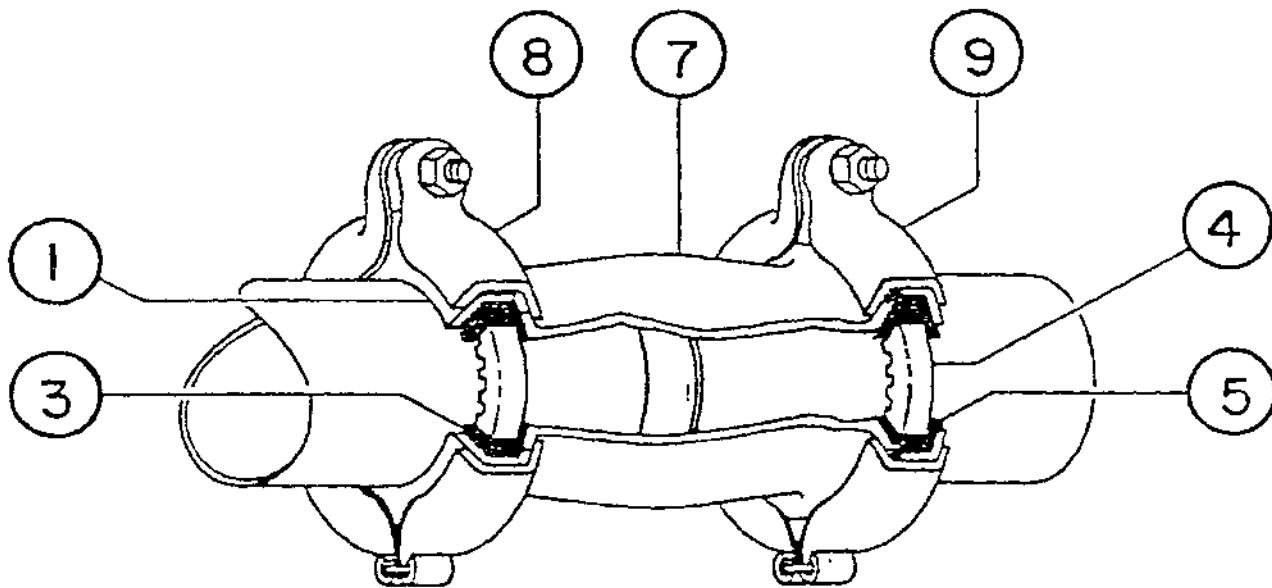
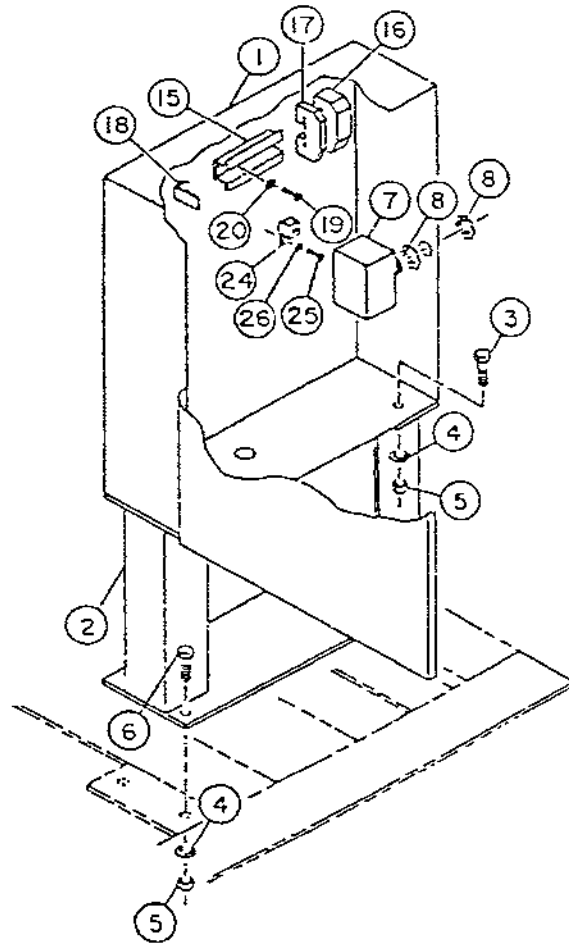
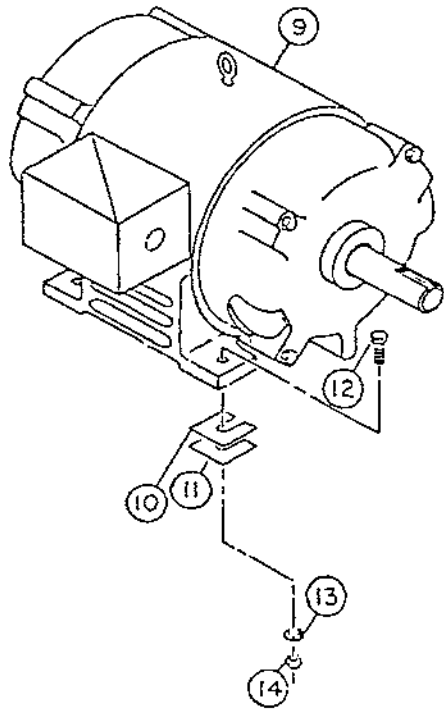


FIG. 4

OPTIONAL HIGH PRESSURE MOTOR/ENCLOSURE GROUP 128137
(AIRCOOLED & WATERCOOLED MODELS WITH CANOPY)
(250 HP - 125 PSI)



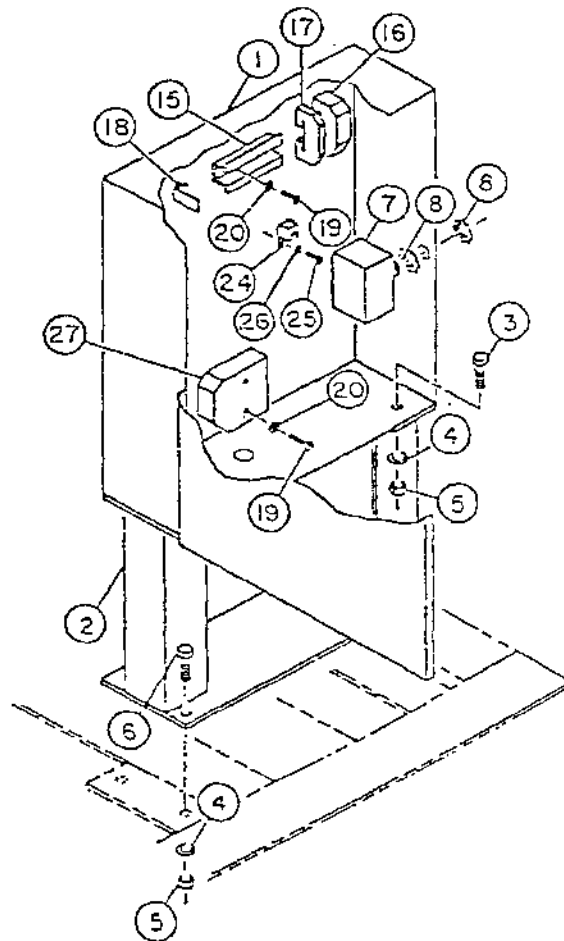
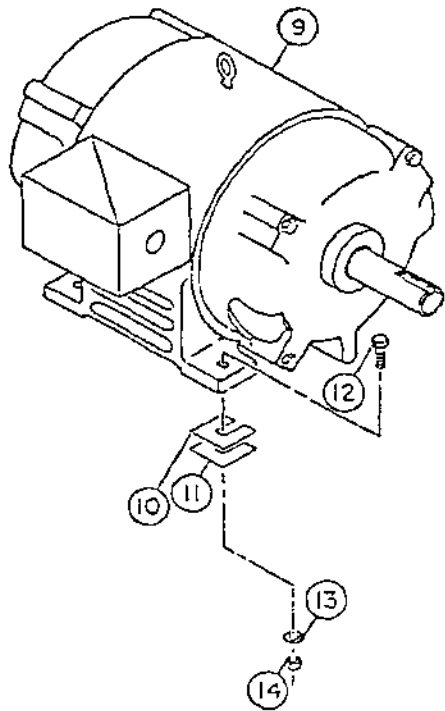
NOTE: 1) ITEMS 21, 22 & 23 ARE NOT SHOWN.

**OPTIONAL HIGH PRESSURE MOTOR/ENCLOSURE GROUPS
(AIRCOOLED & WATERCOOLED MODELS WITH CANOPY)
(250 HP - 125 PSI)**

(FOR STANDARD MOTOR/ENCLOSURE GROUPS SEE PAGES 6-7B)

| INDEX NO. | QTY | PART NUMBER | QTY | PART NUMBER | DESCRIPTION |
|-----------|------|------------------------|------|------------------------|--|
| | | 128137-X34 460 VOLT | | 128137-X35 575 VOLT | |
| 1 | 1 | 128008-F01 | 1 | 128008-F01 | ENCLOSURE-FINISHED |
| 2 | 1 | 128005 | 1 | 128005 | SUPPORT-ENCLOSURE |
| 3 | 4 | 123478-L12 | 4 | 123478-L12 | SCREW-HEX., 3/8-16 UNC X 1.00, GRADE 5 |
| 4 | 8 | 123115-06C | 8 | 123115-06C | LOCKWASHER-3/8 |
| 5 | 8 | 124364-L02 | 8 | 124364-L02 | NUT-HEX., 3/8-16 UNC |
| 6 | 4 | 123478-L14 | 4 | 123478-L14 | SCREW-HEX., 3/8-16 UNC X 1.25, GRADE 5 |
| 7 | 1 | 22454-3 | 1 | 22454-1 | SWITCH-PRESSURE |
| 8 | 2 | 8052 | 2 | 8052 | LOCKNUT-CONDUIT, 1/2 |
| 9 | 1 | 21445 | 1 | 121828 | MOTOR |
| 10 | 8 | 21961 | 8 | 21961 | SHIM-COMPRESSOR AND MOTOR, .015 THICK |
| 11 | 8 | 21962 | 8 | 21962 | SHIM-COMPRESSOR AND MOTOR, .005 THICK |
| 12 | 4 | 123478-R20 | 4 | 123478-R20 | SCREW-HEX., 3/4-10 UNC X 2.75, GRADE 5 |
| 13 | 4 | 123115-12C | 4 | 123115-12C | LOCKWASHER-3/4 |
| 14 | 4 | 124364-R02 | 4 | 124364-R02 | NUT-HEX., 3/4-10 UNC |
| 15 | 2 IN | 122757-01 | 2 IN | 122757-01 | TRACK-TERMINAL |
| 16 | 5 | 122751-01 | 5 | 122751-01 | TERMINAL-ELECTRICAL |
| 17 | 1 | 122754-01 | 1 | 122754-01 | BARRIER-FUSE BLOCK |
| 18 | 2 | 122756-01 | 2 | 122756-01 | STOP-TERMINAL |
| 19 | 2 | 123200-F07 | 2 | 123200-F07 | SCREW-PAN HEAD, #8-32 UNC X .50 |
| 20 | 2 | 123108-08C | 2 | 123108-08C | LOCKWASHER-#8 |
| 21 | 6 | 23190-15 | 6 | 23190-15 | TERMINAL-LOCKING FORK |
| 22 | 2 | 23190-01 | 2 | 23190-01 | TERMINAL-LOCKING FORK |
| 23 | 6 | 122848 | 6 | 122848 | WIRE-RED ELECTRICAL, #18 |
| 24 | 1 | 128002-001 | 1 | 128002-001 | TERMINAL-GROUND |
| 25 | 1 | 123200-G07 | 1 | 123200-G07 | SCREW-PAN HEAD, #10-24 UNC X .50 |
| 26 | 1 | 123108-10C | 1 | 123108-10C | LOCKWASHER-#10 |

OPTIONAL HIGH PRESSURE MOTOR/ENCLOSURE GROUP 128138
(WATERCOOLED MODELS LESS CANOPY)
(250 HP - 125 PSI)



NOTE: 1) ITEMS 21, 22 & 23 ARE NOT SHOWN.

**OPTIONAL HIGH PRESSURE MOTOR/ENCLOSURE GROUPS
(WATERCOOLED MODELS LESS CANOPY)
(250 HP - 125 PSI)**

(FOR STANDARD MOTOR/ENCLOSURE GROUPS SEE PAGES 6-7B)

| INDEX NO. | QTY | PART NUMBER | QTY | PART NUMBER | DESCRIPTION |
|-----------|------|------------------------|------|------------------------|--|
| | | 128138-X34 460 VOLT | | 128138-X35 575 VOLT | |
| 1 | 1 | 128008-F01 | 1 | 128008-F01 | ENCLOSURE-FINISHED |
| 2 | 1 | 128005 | 1 | 128005 | SUPPORT-ENCLOSURE |
| 3 | 4 | 123478-L12 | 4 | 123478-L12 | SCREW-HEX., 3/8-16 UNC X 1.00, GRADE 5 |
| 4 | 8 | 123115-06C | 8 | 123115-06C | LOCKWASHER-3/8 |
| 5 | 8 | 124364-L02 | 8 | 124364-L02 | NUT-HEX., 3/8-16 UNC |
| 6 | 4 | 123478-L14 | 4 | 123478-L14 | SCREW-HEX., 3/8-16 UNC X 1.25, GRADE 5 |
| 7 | 1 | 22454-1 | 1 | 22454-1 | SWITCH-PRESSURE |
| 8 | 2 | 8052 | 2 | 8052 | LOCKNUT-CONDUIT, 1/2 |
| 9 | 1 | 21445 | 1 | 121828 | MOTOR |
| 10 | 8 | 21961 | 8 | 21961 | SHIM-COMPRESSOR AND MOTOR, .015 THICK |
| 11 | 8 | 21962 | 8 | 21962 | SHIM-COMPRESSOR AND MOTOR, .005 THICK |
| 12 | 4 | 123478-R20 | 4 | 123478-R20 | SCREW-HEX., 3/4-10 UNC X 2.75, GRADE 5 |
| 13 | 4 | 123115-12C | 4 | 123115-12C | LOCKWASHER-3/4 |
| 14 | 4 | 124364-R02 | 4 | 124364-R02 | NUT-HEX., 3/4-10 UNC |
| 15 | 2 IN | 122757-01 | 2 IN | 122757-01 | TRACK-TERMINAL |
| 16 | 4 | 122751-01 | 4 | 122751-01 | TERMINAL-ELECTRICAL |
| 17 | 1 | 122754-01 | 1 | 122754-01 | BARRIER-FUSE BLOCK |
| 18 | 2 | 122756-01 | 2 | 122756-01 | STOP-TERMINAL |
| 19 | 4 | 123200-F09 | 4 | 123200-F09 | SCREW-PAN HEAD, #8-32 UNC X .62 |
| 20 | 4 | 123108-08C | 4 | 123108-08C | LOCKWASHER-#8 |
| 21 | 2 | 23190-15 | 2 | 23190-15 | TERMINAL-LOCKING FORK |
| 22 | 2 | 23190-17 | 2 | 23190-17 | TERMINAL-LOCKING FORK |
| 23 | 6 | 122848 | 6 | 122848 | WIRE-RED ELECTRICAL, #18 |
| 24 | 1 | 128002-001 | 1 | 128002-001 | TERMINAL-GROUND |
| 25 | 1 | 123200-G07 | 1 | 123200-G07 | SCREW-PAN HEAD, #10-24 UNC X .50 |
| 26 | 1 | 123108-10C | 1 | 123108-10C | LOCKWASHER-#10 |
| 27 | 1 | 8637-120 | 1 | 8637-120 | RELAY-ELECTRICAL |

RECOMMENDED SPARE PARTS

| QTY | PART NUMBER | DESCRIPTION |
|-----|-------------|---------------------------------|
| 1 | 22705-5 | SEPARATOR-RECEIVER AIR/OIL |
| 1 | 122117-5 | SEPARATOR-RECEIVER AIR/OIL |
| 1 | 121015 | KIT-OIL FILTER |
| 1 | 22293 | FUSE-5 AMP, TIME DELAY TYPE |
| 1 | 122862-600 | TIMER-10 MINUTE, DELAY-ON-BREAK |
| 1 | 121857-01 | PROBE-ELECTRICAL |
| 1 | 123389-01 | MOOULE-H.A.T. |
| 1 | 122812-E01 | ELEMENT-FILTER, AIR LINE |
| 1 | 120672 | FUSE-2-1/2 AMP, TIME DELAY TYPE |
| 1 | 23458-5 | ELEMENT-AIR FILTER |
| 1 | 22593-1 | SEAL-OIL |
| 1 | 22749-362 | *O* RING-3/16 WIDE X 6.62 OD |

AIRCOOLED MODELS (STANDARD REMOTE STARTER)

200 HP MODELS

460 VOLT

| | | |
|---|----------|---------------------------------|
| 2 | 9532-509 | FUSE-8/10 AMP, TIME DELAY TYPE |
| 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE |
| 3 | 4073 | OVERLOAD-THERMAL |
| 3 | 120253 | FUSE-15 AMP, TIME DELAY TYPE |

575 VOLT

| | | |
|---|----------|---------------------------------|
| 2 | 9532-608 | FUSE-1 AMP, FAST ACTING TYPE |
| 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE |
| 3 | 4071 | OVERLOAD-THERMAL |
| 3 | 120640 | FUSE-20 AMP, FAST ACTING TYPE |

250 HP MODELS

| | | |
|---|----------|---------------------------------|
| 2 | 9532-509 | FUSE-8/10 AMP, TIME DELAY TYPE |
| 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE |
| 3 | 4073 | OVERLOAD-THERMAL |
| 3 | 120253 | FUSE-15 AMP, TIME DELAY TYPE |

| | | |
|---|----------|---------------------------------|
| 2 | 9532-608 | FUSE-1 AMP, FAST ACTING TYPE |
| 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE |
| 3 | 4071 | OVERLOAD-THERMAL |
| 3 | 120640 | FUSE-20 AMP, FAST ACTING TYPE |

AIRCOOLED MODELS (OPTIONAL MOUNTED STARTER)

200 HP MODELS

460 VOLT

| | | |
|---|----------|---------------------------------|
| 3 | 9370 | OVERLOAD-THERMAL |
| 2 | 120669 | FUSE-1 AMP, TIME DELAY TYPE |
| 1 | 9532-235 | FUSE-3-1/2 AMP, TIME DELAY TYPE |
| 3 | 4073 | OVERLOAD-THERMAL |
| 3 | 120253 | FUSE-15 AMP, TIME DELAY TYPE |

575 VOLT

| | | |
|---|----------|----------------------------------|
| 3 | 9370 | OVERLOAD-THERMAL |
| 2 | 120676 | FUSE-1-1/2 AMP, FAST ACTING TYPE |
| 1 | 9532-235 | FUSE-3-1/2 AMP, TIME DELAY TYPE |
| 3 | 4071 | OVERLOAD-THERMAL |
| 3 | 120640 | FUSE-20 AMP, FAST ACTING TYPE |

*NOTE: PART NUMBER FOR THERMAL OVERLOAD MAY VARY DEPENDING ON ACTUAL MOTOR USED.

RECOMMENDED SPARE PARTS CONTINUED

WATERCOOLED WITH CABINET MODELS (STANDARD REMOTE STARTER)

| <u>200 HP MODELS</u> | | | <u>250 HP MODELS</u> | | |
|----------------------|----------|---------------------------------|----------------------|----------|---------------------------------|
| | | | <u>460 VOLT</u> | | |
| 2 | 9532-509 | FUSE-8/10 AMP, TIME DELAY TYPE | 2 | 9532-509 | FUSE-8/10 AMP, TIME DELAY TYPE |
| 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE | 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE |
| 3 | 8395 | OVERLOAD-THERMAL | 3 | 8395 | OVERLOAD-THERMAL |
| 3 | 120671 | FUSE-2 AMP, TIME DELAY TYPE | 3 | 120671 | FUSE-2 AMP, TIME DELAY TYPE |
| | | | <u>575 VOLT</u> | | |
| 2 | 9532-608 | FUSE-1 AMP, FAST ACTING TYPE | 2 | 9532-608 | FUSE-1 AMP, FAST ACTING TYPE |
| 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE | 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE |
| 3 | 8883 | OVERLOAD-THERMAL | 3 | 8883 | OVERLOAD-THERMAL |
| 3 | 120678 | FUSE-3 AMP, FAST ACTING TYPE | 3 | 120678 | FUSE-3 AMP, FAST ACTING TYPE |

WATERCOOLED WITH CABINET MODELS (OPTIONAL MOUNTED STARTER)

| <u>200 HP MODELS</u> | | |
|----------------------|----------|----------------------------------|
| | | |
| <u>460 VOLT</u> | | |
| 3 | 9370 | OVERLOAD-THERMAL |
| 2 | 120669 | FUSE-1 AMP, TIME DELAY TYPE |
| 1 | 9532-235 | FUSE-3-1/2 AMP, TIME DELAY TYPE |
| 3 | 8395 | OVERLOAD-THERMAL |
| 3 | 120671 | FUSE-2 AMP, TIME DELAY TYPE |
| <u>575 VOLT</u> | | |
| 3 | 9370 | OVERLOAD-THERMAL |
| 2 | 120676 | FUSE-1-1/2 AMP, FAST ACTING TYPE |
| 1 | 9532-235 | FUSE-3-1/2 AMP, TIME DELAY TYPE |
| 3 | 8883 | OVERLOAD-THERMAL |
| 3 | 120678 | FUSE-3 AMP, FAST ACTING TYPE |

WATERCOOLED LESS CABINET MODELS (STANDARD REMOTE STARTER)

| <u>200 HP MODELS</u> | | | <u>250 HP MODELS</u> | | |
|----------------------|----------|---------------------------------|----------------------|----------|---------------------------------|
| | | | | | |
| | | | <u>460 VOLT</u> | | |
| 2 | 9532-509 | FUSE-8/10 AMP, TIME DELAY TYPE | 2 | 9532-509 | FUSE-8/10 AMP, TIME DELAY TYPE |
| 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE | 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE |
| | | | <u>575 VOLT</u> | | |
| 2 | 9532-608 | FUSE-1 AMP, TIME DELAY TYPE | 2 | 9532-608 | FUSE-1 AMP, TIME DELAY TYPE |
| 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE | 1 | 22209 | FUSE-2-1/2 AMP, TIME DELAY TYPE |

WATERCOOLED LESS CABINET MODELS (OPTIONAL MOUNTED STARTER)

| <u>200 HP MODELS</u> | | | <u>250 HP MODELS</u> | | |
|----------------------|----------|---------------------------------|----------------------|--|--|
| | | | | | |
| | | | <u>460 VOLT</u> | | |
| 3 | 22131 | OVERLOAD-THERMAL | | | |
| 2 | 120669 | FUSE-1 AMP, TIME DELAY TYPE | | | |
| 1 | 9532-235 | FUSE-3-1/2 AMP, TIME DELAY TYPE | | | |
| | | | <u>575 VOLT</u> | | |
| 3 | 22131 | OVERLOAD-THERMAL | | | |
| 2 | 120676 | FUSE-1-1/2, FAST ACTING TYPE | | | |
| 1 | 9532-235 | FUSE-3-1/2 AMP, TIME DELAY TYPE | | | |

*NOTE: PART NUMBER FOR THERMAL OVERLOAD MAY VARY DEPENDING ON ACTUAL MOTOR USED.

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