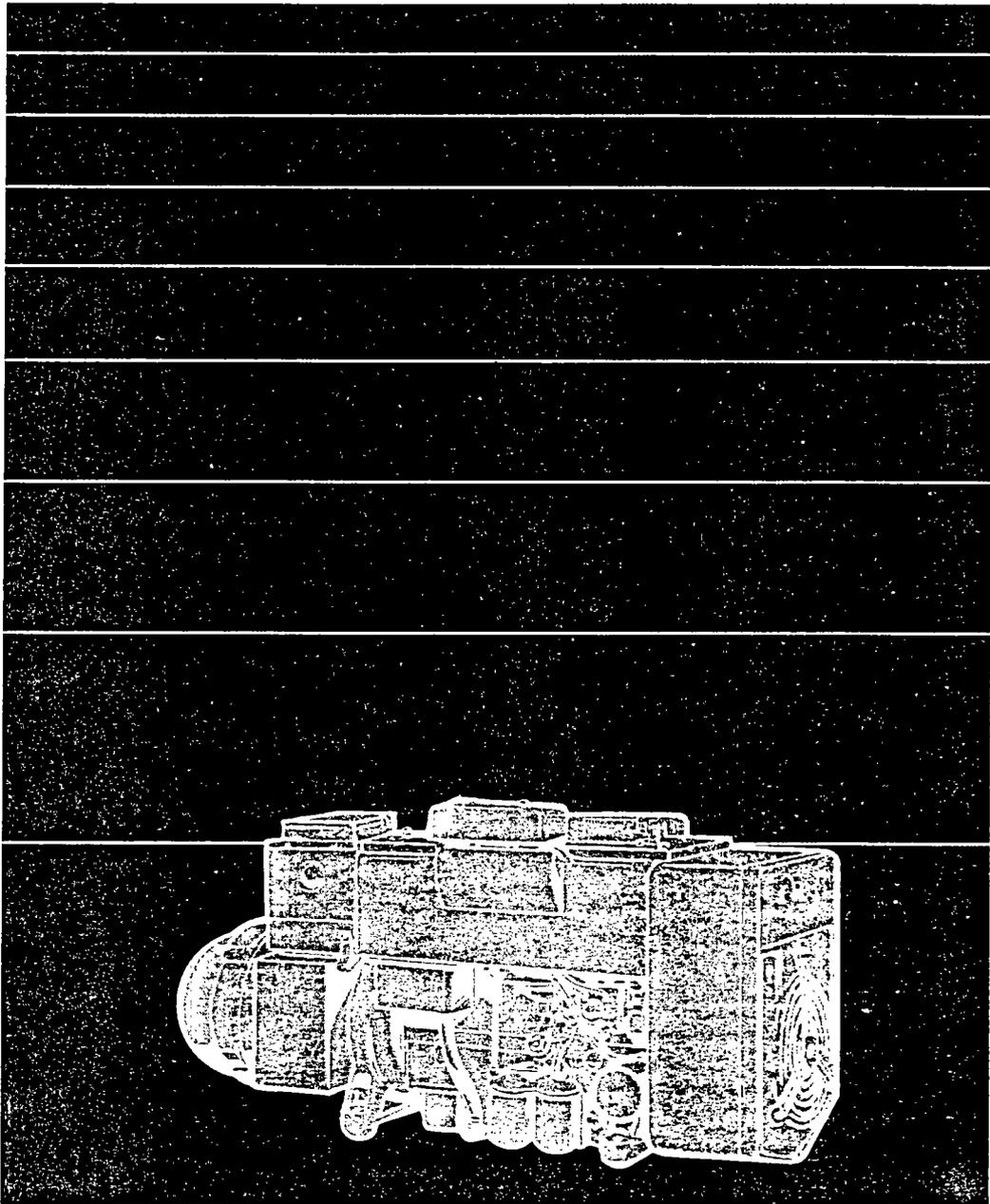


The following catalog has gaps in its page numbers, or doesn't have any numbers. We have chosen to leave the page numbering in the order that Acrobat assigns it.



Parts Catalog

DJC GENERATOR SET



Printed U.S.A.

967-0222 (Spec A-AD) 9-88
Replaces (Spec A-AC) 2-81

Supplement: 967-2002
Date: 9-94
Insert With-
Title: "J" Series Diesel
 Parts Catalog Spec
 Advance
Number: As Listed Below

This Supplementary Parts List Spec advances specific "J" series diesel generator sets as shown:

| "J" Series Models | New Spec Advance Letter | Catalog Number |
|---------------------------|--------------------------------|-----------------------|
| DJB Generator Spec AC to | D | 967-0221 |
| DJC Generator Spec AD to | E | 967-0222 |
| DJE Generator Spec AG to | H | 967-0225 |
| RDJC Generator Spec AD to | E | 974-0221 |

Note that all models are being Spec advanced to a single letter due to limited computer space.

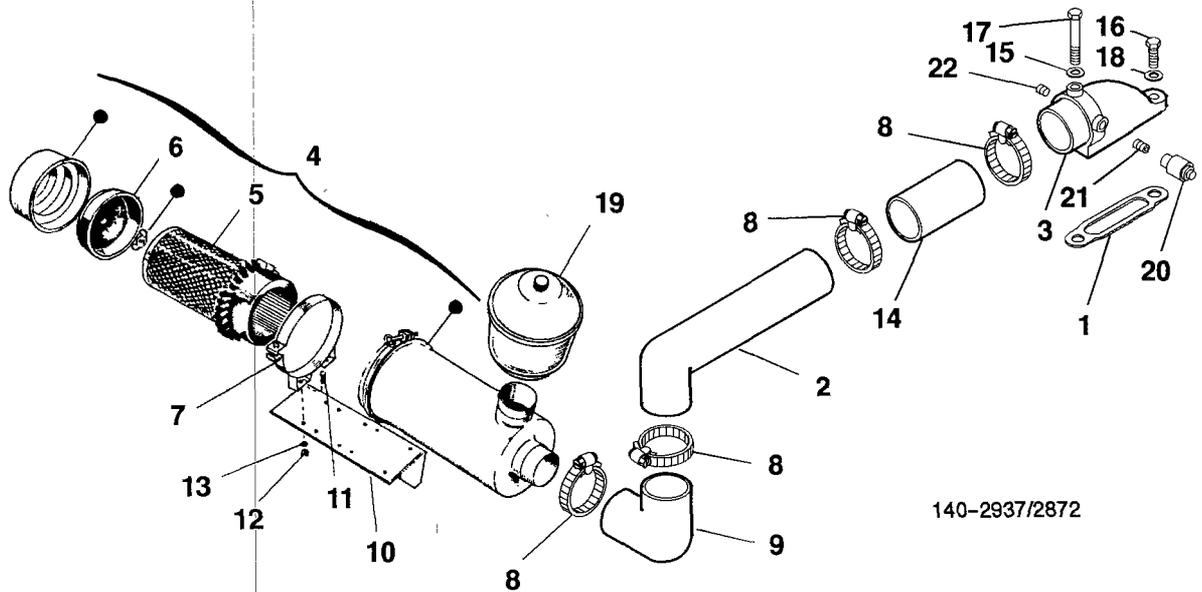
Model DJE was first manufactured in the double Spec letter AB and advanced through the alphabet (AB to AC, AC to AD, etc.) due to manufacturing changes using the double letter format to Spec AG and is now being advanced to the single Spec letter H as shown in the middle column above.

Models DJB, DJC and RDJC were first manufactured in the early 1960's beginning with the single Spec letter A. The Spec letters advanced through the alphabet (A to B, B to C.....Z to AA, AA to AB, etc.) due to manufacturing changes and are now advanced to a single Spec letter as shown in the middle column above. Use caution when ordering service replacement parts for the DJB, DJC and RDJC models. Do not confuse 1994 single letter production models with 1960's single letter production models. Example: When the parts catalog lists two part number choices based on Spec letter differences such as "Spec A through R" and "Begin Spec S", use the "Spec A through R" part number for 1960's single Spec letter production and the "Begin Spec S" part number for 1994 single Spec letter production. Example: When the parts catalog lists three part number choices based on Spec letter differences such as "Spec A through AA", "Spec AB" and "Begin Spec AC", use the "Spec A through AA" part number for 1960's single Spec letter production and the "Begin Spec AC" part number for 1994 single Spec letter production. The following may also be used as a guide: The 1960's production generator set nameplates used a number(s) and letter(s) combination (i.e.: 3CR, 4R, 18R, 53CR, 57XR, 518R, etc.) for the voltage code and is shown near the center of the complete model and Specification number (i.e.: 12.5RDJC-9XR/8066E). With the 1994 production generator set nameplates the voltage code is no longer used (i.e.: 12.5RDJC8066E). When in doubt, obtain the complete model and serial number and consult the factory.

This "J" series diesel supplement covers the change for the "J" series product line standardization program. Some low usage feature options were made obsolete and some high usage feature options were made standard. The following pages reflect these changes. Page headings list the model (s) that the changes apply to. Page headings with no model listed apply to all models.

In addition, the generator page for each catalog has an expanded parts list for the generator and rotor through studs that were not completely covered in prior issues of the parts catalogs.

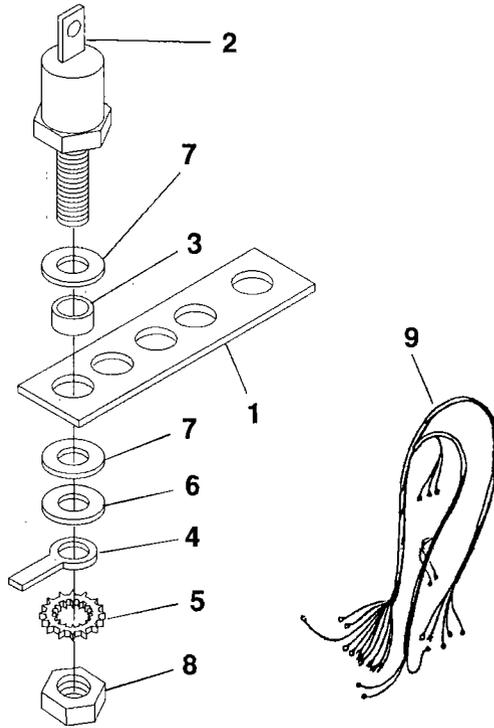
Air Cleaner Heavy Duty DJB, DJC, DJE



140-2937/2872

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|-------------|----------|---|---------|----------|----------|---|
| 1 | 140-0584 | 1 | Gasket | 12 | 862-0015 | 4 | Nut, Hex (5/16-18) |
| 2 | 140-0741 | 1 | Tube, Air Intake | 13 | 850-0045 | 4 | Washer, Lock - Spring (5/16") |
| | 140-0740 | 1 | DJB, DJE | 14 | 503-0330 | 1 | Hose, Connector |
| 3 | 140-0645 | 1 | Adapter, Air Cleaner | 15 | 526-0018 | 1 | Washer, Flat (1/4") |
| | 140-1212-11 | 1 | DJB, DJE | 16 | 800-0007 | 1 | Screw, Cap - Hex Head (1/4-20 x 1") |
| | 140-1212-11 | 1 | DJB, DJE | 17 | 800-0015 | 1 | Screw, Cap - Hex Head (1/4-20 x 3") |
| 4 | 140-0721 | 1 | Cleaner Assembly, Air (Includes Element and Baffle) | 18 | 850-0040 | 1 | Washer, Lock - Spring (1/4") |
| 5 | 140-0765 | 1 | Element | 19 | 140-0723 | 1 | Pre-Cleaner, Air Cleaner |
| 6 | 140-1267 | 1 | Baffle | 20 | 140-0961 | 1 | Indicator, Restriction - DJC |
| 7 | 140-0722 | 2 | Band, Air Cleaner Mounting | 21 | 140-1260 | 1 | Fitting, Mounting - Restriction Indicator - DJC |
| 8 | 503-0365 | 4 | Clamp, Hose | 22 | 505-0008 | 1 | Plug, Slotted (1/8") Air Cleaner Adapter - DJC |
| 9 | 503-0419 | 1 | Elbow, Rubber - Moulded | | | | |
| 10 | 140-1271 | 1 | Bracket, Mounting | | | | |
| 11 | 800-0024 | 4 | Screw, Cap - Hex Head (5/16-18 x 1-1/2") | | | | |

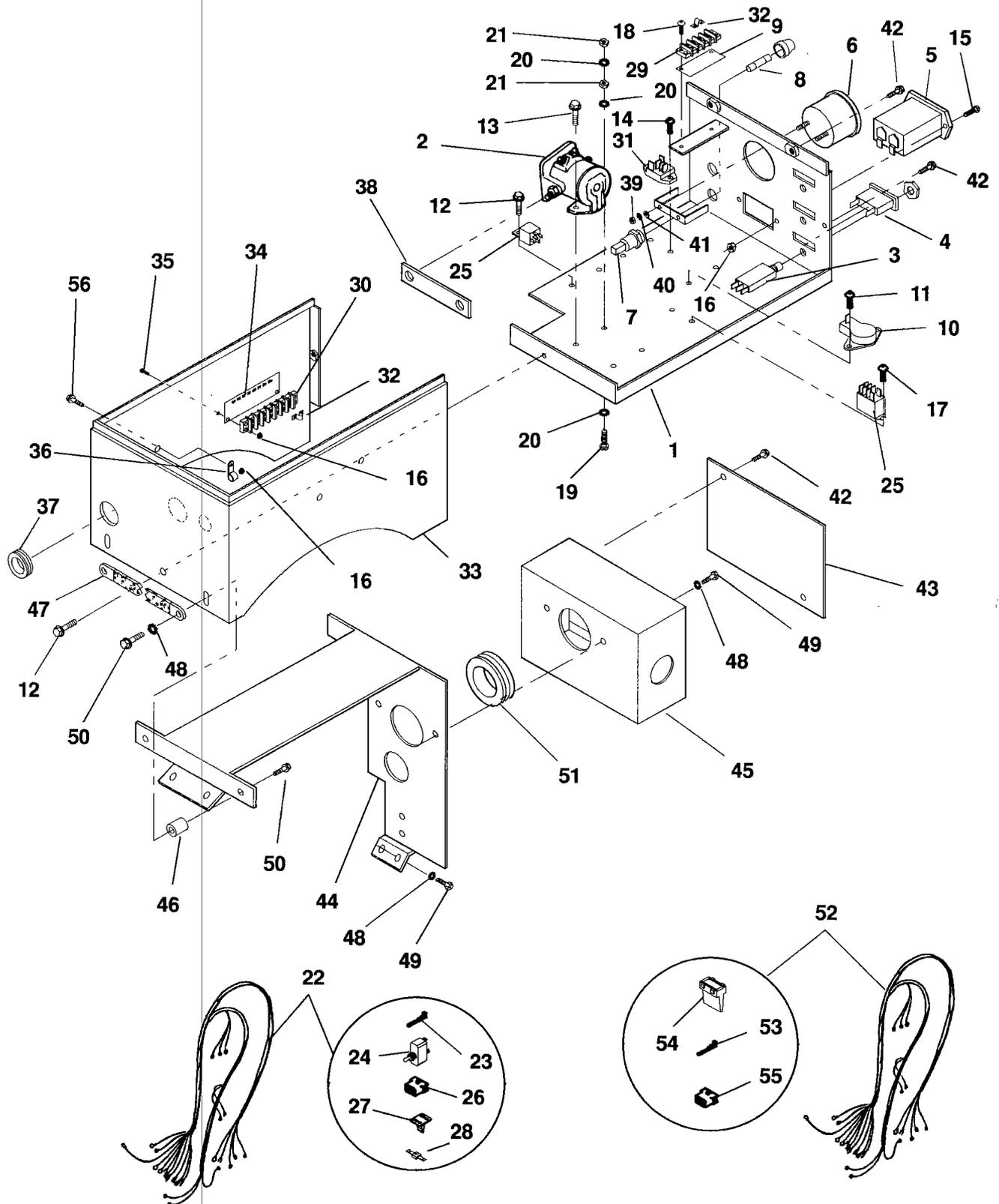
High Air Temperature Switch DJB, DJC, DJE



309-0644

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|----------|----------|-----------------------------------|---------|----------|----------|--------------------------------|
| 1 | 309-0195 | 1 | Bracket, Mounting | 5 | 856-0006 | 1 | Washer, Lock - EIT (1/4") |
| 2 | 309-0206 | 1 | Switch, High Air Temperature (S5) | 6 | 526-0021 | 1 | Washer, Flat (1/4") |
| 3 | 508-0127 | 1 | Insulator, Sleeving | 7 | 508-0126 | 4 | Washer, Insulating |
| 4 | 332-0876 | 1 | Terminal, Ground | 8 | 862-0001 | 1 | Nut, Hex (1/4-20) |
| | | | | 9 | 338-3197 | 1 | Harness, Wiring - Switch (46") |

Control DJB, DJC, DJE



612-6641/6643

Control DJB, DJC, DJE

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|-------------|----------|--|---------|-------------|----------|--|
| 1 | | | Panel, Control | 25 | | | Relay |
| | 319-2035-03 | 1 | Without Indicator Lights | | 307-2817-01 | 3 | *# K12, K14, K15 (Mounted on right side facing panel front) |
| | 319-2035-04 | 1 | With Indicator Lights | | | | # K17 (Sets With Indicator Lights) (Mounted on left side facing panel front) |
| 2 | | | Relay, Solenoid | | 307-2594 | 1 | |
| | 307-0845 | 1 | Start (K11) | | | | |
| | 307-1046 | 1 | Pre-Heat (K13) | | | | |
| 3 | | | Breaker, Circuit | 26 | 323-1623 | 1 | *# Connector, Plug (6 Place) (P1) |
| | 320-1706-14 | 1 | Without Indicator Lights (CB4) | 27 | 323-1624 | 1 | *# Wedge, Connector (Used in P1) |
| | 320-1824-02 | 3 | With Indicator Lights (CB4,5,6) | 28 | 357-0030 | 1 | *# Rectifier (6 Amp) (CR12) |
| 4 | | | Light, Indicator | 29 | 332-0604 | 1 | *# Block, Terminal (5 Place) (TB11) |
| | 322-0108 | 1 | Low Oil Pressure (DS4) | 30 | 332-0706 | 1 | #& Block, Terminal (8 Place) (TB13) |
| | 322-0109 | 1 | High Engine Temp (DS5) | 31 | 305-0880 | 1 | #& Rectifier, Bridge - 20 Amp (CR7) |
| | 322-0111 | 1 | Overspeed (DS6) | 32 | | | Jumper - Terminal Block |
| 5 | 302-0885 | 1 | Meter, Time Totalizing (M12) | | 332-1043 | 1 | * Sets Without Indicator Lights |
| 6 | 302-0446 | 1 | Ammeter, DC (M21) | | 332-1043 | 2 | # Sets With Indicator Lights |
| 7 | 321-0175 | 1 | Holder, Fuse | 33 | 301-1962 | 1 | Box, Control |
| 8 | 321-0146 | 1 | Fuse - 10 Amp (F1) | 34 | 332-3223 | 1 | & Strip, Marker |
| 9 | 332-0616 | 1 | Strip, Marker | 35 | 812-0065 | 2 | & Screw, Machine - Round Head (#6-32 x 5/8") |
| 10 | 309-0270 | 1 | & Thermostat (S8) | | | | |
| 11 | 518-0049 | 2 | & Screw, Machine - Round Head W/ET (#8-32 x 1/4") | 36 | 332-0052 | 1 | Clip, Wire |
| | | | | 37 | 508-0001 | 1 | Grommet |
| 12 | 821-0004 | 4 | Screw, Self-Locking - Hex Washer Head (#10-32 x 5/16") | 38 | 332-0602 | 1 | Jumper, Solenoid |
| | | | | 39 | 871-0010 | 4 | Nut, Hex - Brass (#10-32) |
| 13 | 821-0008 | 3 | Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/16") | 40 | 850-0030 | 2 | Washer, Lock - Spring (#10) |
| | | | | 41 | 526-0049 | 4 | Washer, Flat (#10) |
| 14 | 815-0544 | 2 | & Screw, Machine - Round Head - Cross Recessed W/IT (#6-32 x 1/2") | 42 | 821-0040 | 8 | Screw, Self-Locking - Hex Washer Head (#10-32 x 5/16") |
| | | | | 43 | | | Cover, Output Box |
| 15 | 815-0385 | 2 | Screw, Machine - Round Head (#6-32 x 1/2") | | 301-2466 | 1 | DJB, DJE |
| | | | | | 301-0856 | 1 | DJC, DJE Contractor Models |
| 16 | | | Nut, Hex - W/ET (#6-32) | 44 | 301-3683 | 1 | Saddle, Control Mounting |
| | 870-0183 | 3 | Sets Without Indicator Lights | 45 | | | Box, Output |
| | 870-0183 | 5 | Sets With Indicator Lights | | 301-2467 | 1 | DJB, DJE |
| 17 | 815-0550 | 2 | & Screw, Pan Head - Cross Recessed W/ET (#6-32 x 3/8") | | 301-3682 | 1 | DJC, DJE Contractor Models |
| | | | | 46 | 402-0070 | 4 | Dampner, Vibration |
| 18 | 815-0539 | 2 | Screw, Machine - Round Head - Cross Recessed W/IT (#8-32 x 5/8") | 47 | 337-0036 | 1 | Strap, Ground |
| | | | | 48 | 856-0008 | 7 | Washer, Lock - EIT (5/16") |
| | | | | 49 | 815-0236 | 6 | Screw, Hex Head - Thread Forming (5/16-18 x 5/8") |
| 19 | 810-0153 | 1 | Screw, Machine - Round Head - Brass (1/4-20 x 1") | 50 | 821-0014 | 8 | Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2") |
| 20 | 856-0006 | 3 | Washer, Lock - W/EIT (1/4") | | | | |
| 21 | 871-0016 | 2 | Nut, Hex - Brass (1/4-20) | 51 | 508-0183 | 1 | Grommet |
| 22 | | | Harness, Wiring - Control | 52 | | | Harness, Wiring - Engine to Control (Includes Parts Marked @) |
| | 338-2921-02 | 1 | Sets Without Indicator Lights (Includes Parts Marked *) | | 338-2942 | 1 | DJB, DJE |
| | 338-2922-02 | 1 | Sets With Indicator Lights (Includes Parts Marked #) | | 338-2943 | 1 | DJC |
| 23 | 323-1492 | 6 | *# Socket, Contact (Used in P1) | 53 | 323-1491 | 6 | @ Pin, Contact (Used in J1) |
| 24 | | | Switch, Toggle | 54 | 323-1626 | 1 | @ Wedge, Connector (Used in J1) |
| | | | Sets Without Indicator Lights | 55 | 323-1625 | 1 | @ Connector, Receptacle (J1) |
| | 308-0345 | 1 | * Start/Stop (S11) | 56 | 812-0065 | 1 | Screw, Machine - Round Head (#6-32 x 5/8") |
| | 308-0037 | 1 | * Pre-Heat (S13) | | | | |
| | | | Sets With Indicator Lights | | | | |
| | 308-0329 | 1 | # Start/Stop/Test (S11) | | | | |
| | 308-0037 | 1 | # Pre-Heat (S13) | | | | |

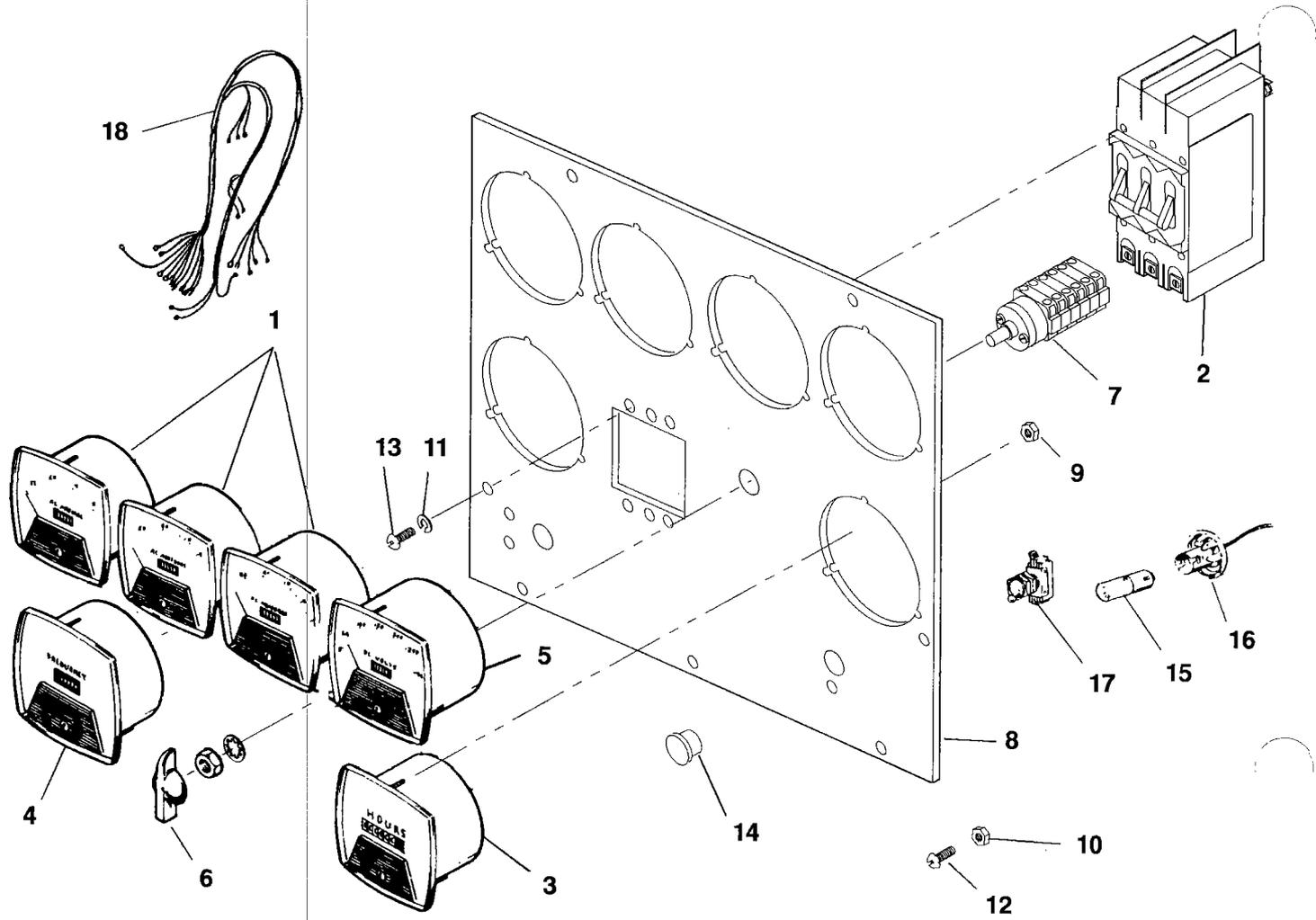
& - Parts Used on Sets With Indicator Lights

* - Parts Included in 338-2921-02 Control Wiring Harness

- Parts Included in 338-2922-02 Control Wiring Harness

@ - Parts Included in 338-2942 and 338-2943 Engine to Control Wiring Harnesses

**AC Meter Panel
DJB, DJC, DJE**

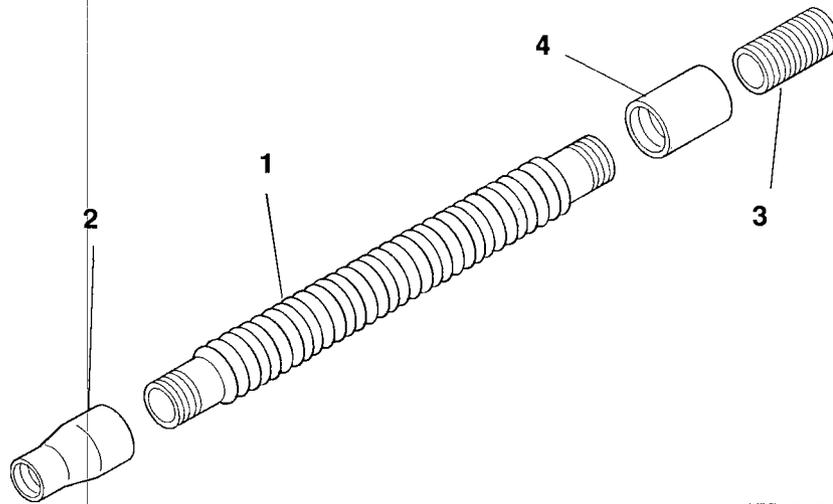


612-6638

AC Meter Panel DJB, DJC, DJE

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|-------------|----------|--|---------|-------------|----------|--|
| 1 | | | Ammeter, AC (Quantity Used: 2 for Sets With 2-Pole Break- ers, 3 for Sets With 3-Pole Breakers) (M3,M4 - Sets With 2-Pole Breakers, M2,M3,M4 - Sets With 3-Pole Breakers) | 3 | | | Meter, Time Totalizing (M1 - Sets With 2-Pole Breakers, M5 - Sets With 3-Pole Breakers) |
| | 302-0460 | 1 | Scale Reads 0-20 | | 302-0468 | 1 | Sets With 2-Pole Breakers 50 Hertz |
| | 302-0418 | 1 | Scale Reads 0-30 | | 302-0465 | 1 | 60 Hertz |
| | 302-0444 | 1 | Scale Reads 0-35 | | | | Sets With 3-Pole Breakers 50 Hertz |
| | 302-0419 | 1 | Scale Reads 0-50 | | 302-0468 | 1 | Under 300 Volts AC |
| | 302-0458 | 1 | Scale Reads 0-80 | | 302-0469 | 1 | Over 300 Volts AC |
| 2 | | | Breaker, Circuit (CB1) | | | | 60 Hertz |
| | | | Two Pole Breakers | | 302-0465 | 1 | Under 300 Volts AC |
| | | | 50 Hertz | | 302-0466 | 1 | Over 300 Volts AC |
| | 320-1841-02 | 1 | 15 Amp | 4 | | | Meter, Frequency (M5 for Sets With 2-Pole Breakers, M6 for Sets With 3-Pole Breakers) |
| | 320-1841-03 | 1 | 20 Amp | | | | Sets With 2-Pole Breakers |
| | 320-1841-04 | 1 | 25 Amp | | 302-1338 | 1 | Sets With 3-Pole Breakers |
| | 320-1841-05 | 1 | 30 Amp | | | | Under 300 Volts AC |
| | 320-1841-08 | 1 | 45 Amp | | 302-1338 | 1 | Over 300 Volts AC |
| | 320-1841-12 | 1 | 65 Amp | | 302-1340 | 1 | |
| | | | 60 Hertz | 5 | | | Voltmeter, AC (M2 for Sets With 2-Pole Breakers, M1 for Sets With 3-Pole Breakers) |
| | 320-1841-03 | 1 | 20 Amp | | | | Scale Reads 0-300 |
| | 320-1841-04 | 1 | 25 Amp | | 302-0421 | 1 | Scale Reads 0-500 |
| | 320-1841-05 | 1 | 30 Amp | | 302-0612 | 1 | |
| | 320-1841-06 | 1 | 35 Amp | 6 | 303-0076 | 1 | Knob, Rotary Switch |
| | 320-1841-07 | 1 | 40 Amp | 7 | 308-1021-02 | 1 | Switch, Rotary (S1) |
| | 320-1841-09 | 1 | 50 Amp | 8 | | | Panel, Meter |
| | 320-1841-11 | 1 | 60 Amp | | 301-2288 | 1 | Sets With 2-Pole Breakers |
| | 320-1841-13 | 1 | 70 Amp | | 319-2233-02 | 1 | Sets With 3-Pole Breakers |
| | | | Three Pole Breakers | 9 | | | Nut, Hex - W/ET (#4-40) |
| | | | 50 Hertz | | 870-1220 | 15 | Sets With 2-Pole Breakers |
| | | | Under 300 Volts AC | | 870-1220 | 18 | Sets With 3-Pole Breakers |
| | 320-1827-03 | 1 | 20 Amp | 10 | 870-0221 | 5 | Nut, Hex - W/ET (#8-32) |
| | 320-1827-04 | 1 | 25 Amp | 11 | | | Washer, Lock - Spring (#6) |
| | 320-1827-06 | 1 | 35 Amp | | 850-0020 | 4 | Sets With 2-Pole Breakers |
| | 320-1827-07 | 1 | 40 Amp | | 850-0020 | 6 | Sets With 3-Pole Breakers |
| | 320-1827-09 | 1 | 50 Amp | 12 | 812-0076 | 5 | Screw, Maching - Round Head (#8-32 x 5/16") |
| | 320-1827-10 | 1 | 55 Amp | | | | Screw, Machine - Round Head (#6-32 x 3/8") |
| | | | Over 300 Volts AC | 13 | | | Sets With 2-Pole Breakers |
| | 320-1827-01 | 1 | 10 Amp | | 812-0061 | 4 | Sets With 3-Pole Breakers |
| | 320-1827-02 | 1 | 15 Amp | 14 | 812-0061 | 6 | Plug, Hole |
| | 320-1827-03 | 1 | 20 Amp | | | | Fits 3/8" Hole |
| | 320-1827-04 | 1 | 25 Amp | | 517-0131 | 1 | Fits 7/16" Hole |
| | 320-1827-05 | 1 | 30 Amp | 15 | 517-0132 | 1 | Bulb, Panel Light (DS1, DS2) |
| | 320-1827-08 | 1 | 45 Amp | 16 | 322-0004 | 2 | Socket, Panel Light |
| | 320-1827-09 | 1 | 50 Amp | 17 | 322-0072 | 2 | Switch, Toggle |
| | 320-1827-11 | 1 | 60 Amp | | | | Panel Light (S1) |
| | | | Over 300 Volts AC | | 308-0002 | 1 | Start/Stop (S2) |
| | 320-1827-02 | 1 | 15 Amp | 18 | 308-0037 | 1 | Manifold Heater (S3) |
| | 320-1827-03 | 1 | 20 Amp | | | | Harness, Wiring - Remote |
| | 320-1827-04 | 1 | 25 Amp | | 338-0496 | 1 | Control to Output Box (5 Wire, 36") (W1) |
| | 320-1827-05 | 1 | 30 Amp | | | | Control to Start/Stop and Manifold Heater Switches (4 Wire, 50") (W2) |
| | 320-1827-06 | 1 | 35 Amp | | 338-0939 | 1 | |

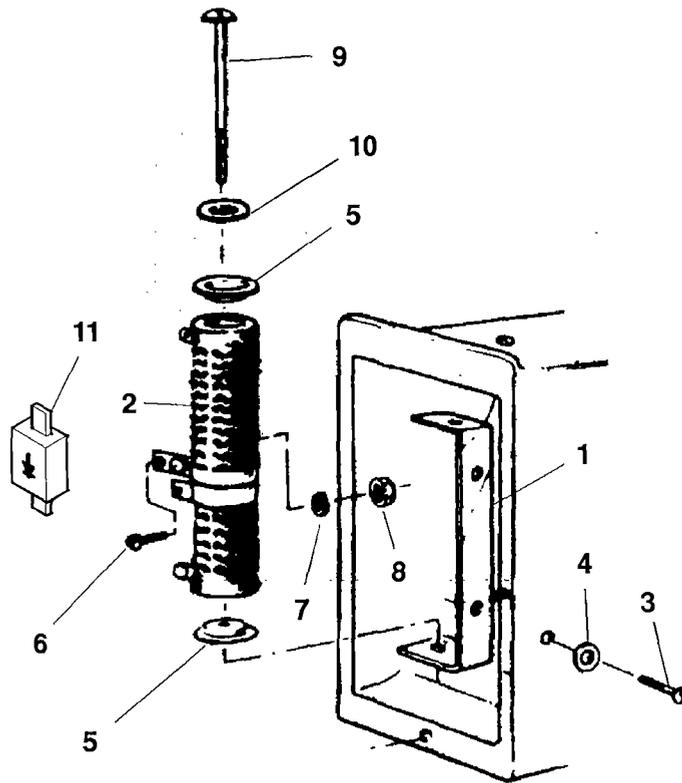
Exhaust



155-2838

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|-------------|----------|---|---------|----------|----------|-------------------------------|
| 1 | 155-2355-13 | 1 | Tube, Exhaust (18") | 3 | 505-0177 | 1 | Nipple, Close - Pipe (1-1/2") |
| 2 | 505-0036 | 1 | Coupling, Reducer - Pipe (1-1/2" to 1-1/4") | 4 | 505-0032 | 1 | Coupling, Pipe (1-1/2") |

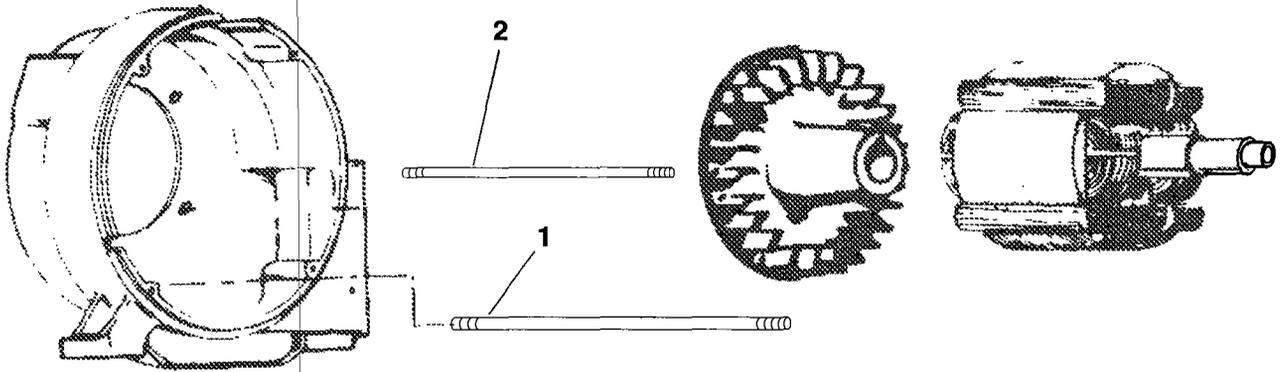
Resistor Generator Air Outlet



304-0824

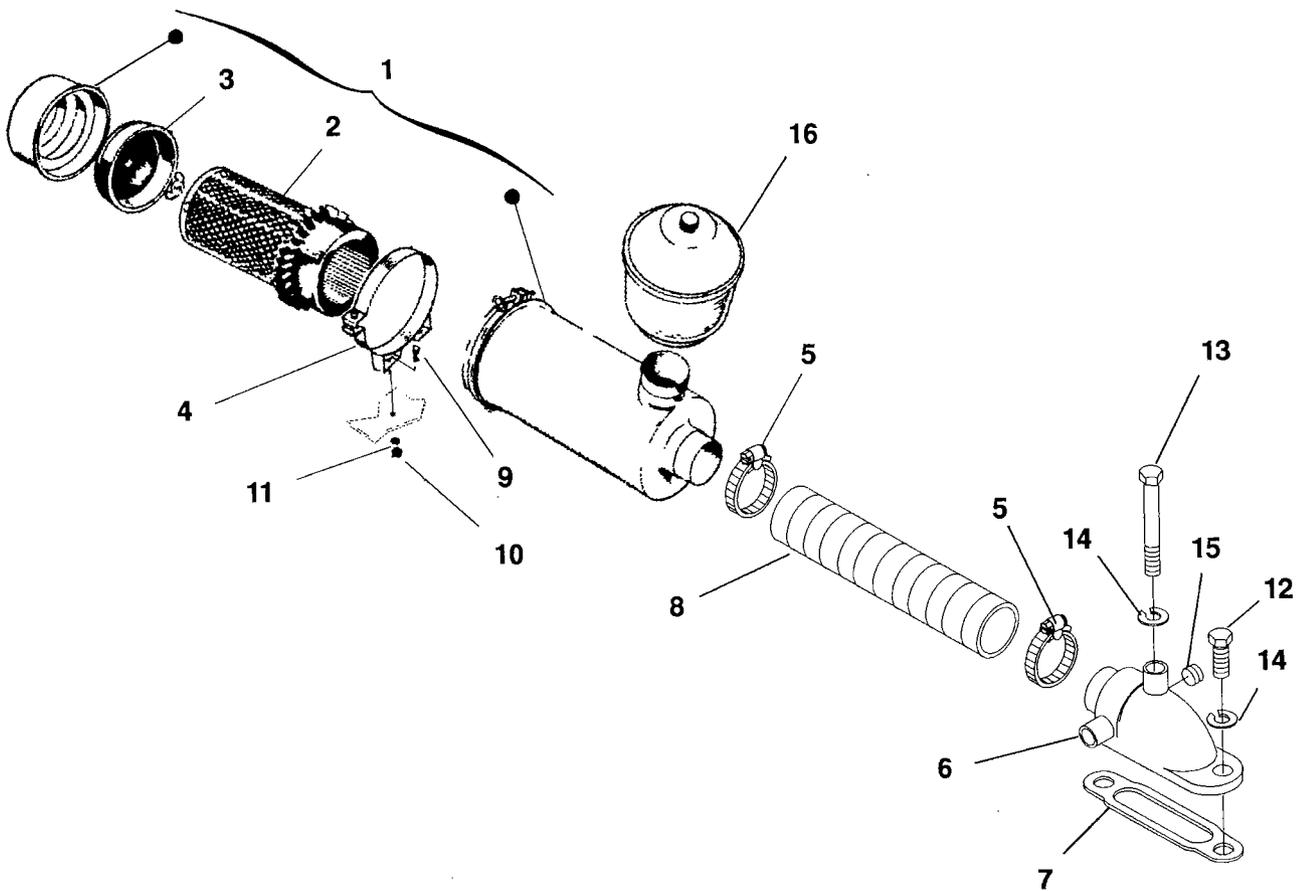
| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|----------|----------|--|---------|----------|----------|--|
| 1 | 232-2399 | 1 | Bracket, Resistor Mounting | 7 | 856-0003 | 1 | Washer, Lock - EIT (#10) |
| 2 | 304-0500 | 1 | Resistor, Tapped - Adjustable (2 Ohm, 150 Watt) | 8 | 871-0010 | 1 | Nut, Hex - Brass (#10-32) |
| 3 | 800-0004 | 2 | Screw, Cap - Hex Head (1/4-20 x 5/8") | 9 | 812-0169 | 1 | Screw, Machine - Round Head (1/4-20 x 5-1/2") |
| 4 | 850-0040 | 2 | Washer, Lock - Spring (1/4") | 10 | 853-0013 | 1 | Washer, Lock - ET (1/4") |
| 5 | 304-0006 | 2 | Washer, Centering | 11 | 357-0067 | 1 | Rectifier (6 Amp, 400 Volt) |
| 6 | 811-0098 | 1 | Screw, Machine - Round Head (Brass) (#10-32 x 3/8") | | | | |

Generator
DJB, DJC, RDJC – Begin Spec AA
DJE – All Models



| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|----------|----------|---|---------|----------|----------|--------------------------------------|
| 1 | | | Stud, Generator Through (3/8" Diameter) | 2 | | | Stud, Rotor Through (7/16" Diameter) |
| | | | DJB, DJE | | | | DJB, DJE |
| | 520-0794 | 4 | 7-9/16" Long | | 520-0786 | 1 | 13-7/16" Long |
| | 520-0795 | 4 | 8-1/4" Long | | 520-0787 | 1 | 14-1/8" Long |
| | 520-0797 | 4 | 9-15/16" Long | | 520-0789 | 1 | 15-9/16" Long |
| | | | DJC | | | | DJC |
| | 520-0797 | 4 | 9-15/16" Long | | 520-0789 | 1 | 15-9/16" Long |
| | 520-0798 | 4 | 10-5/8" Long | | 520-0790 | 1 | 16-1/4" Long |
| | | | RDJC | | | | RDJC |
| | 520-0797 | 4 | 9-15/16" Long | | 520-0789 | 1 | 15-9/16" Long |
| | 520-0798 | 4 | 10-5/8" Long | | 520-0790 | 1 | 16-1/4" Long |
| | 520-0799 | 4 | 11-3/8" Long | | 520-0791 | 1 | 17" Long |

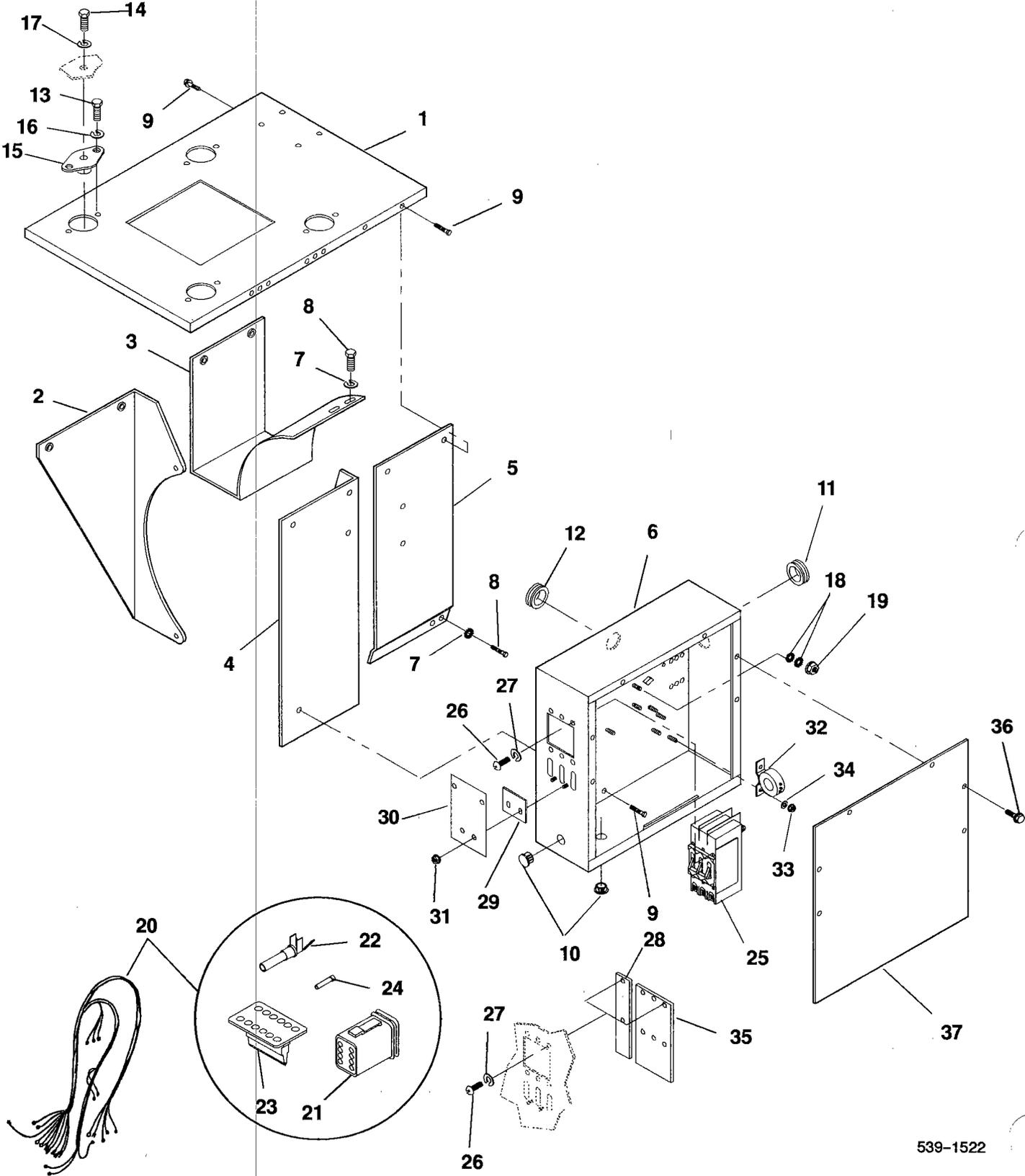
Air Cleaner RDJC



140-2856

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|-------------|----------|---|---------|----------|----------|-------------------------------------|
| 1 | 140-0721 | 1 | Cleaner Assembly, Air (Includes Element and Baffle) | 9 | 800-6057 | 4 | Screw, Cap - Hex Head (M8 x 20mm) |
| 2 | 140-0765 | 1 | Element | 10 | 860-2058 | 4 | Nut, Hex (M8) |
| 3 | 140-1267 | 1 | Baffle | 11 | 850-2058 | 4 | Washer, Lock - Spring (M8) |
| 4 | 140-0722 | 2 | Band, Air Cleaner Mounting | 12 | 800-0007 | 1 | Screw, Cap - Hex Head (1/4-20 x 1") |
| 5 | 503-1141 | 2 | Clamp, Hose | 13 | 800-0015 | 1 | Screw, Cap - Hex Head (1/4-20 x 3") |
| 6 | 140-1212-11 | 1 | Adapter, Air Cleaner | 14 | 850-0040 | 2 | Washer, Lock - Spring (1/4") |
| 7 | 140-0584 | 1 | Gasket | 15 | 505-0008 | 2 | Plug, Pipe - Slotted (1/8") |
| 8 | 503-0082 | - | Hose, Air Cleaner - Bulk (2" ID) (Order by the foot - 2 feet required) | 16 | 140-0723 | 1 | Pre-Cleaner, Air Cleaner |

Output Box RDJC

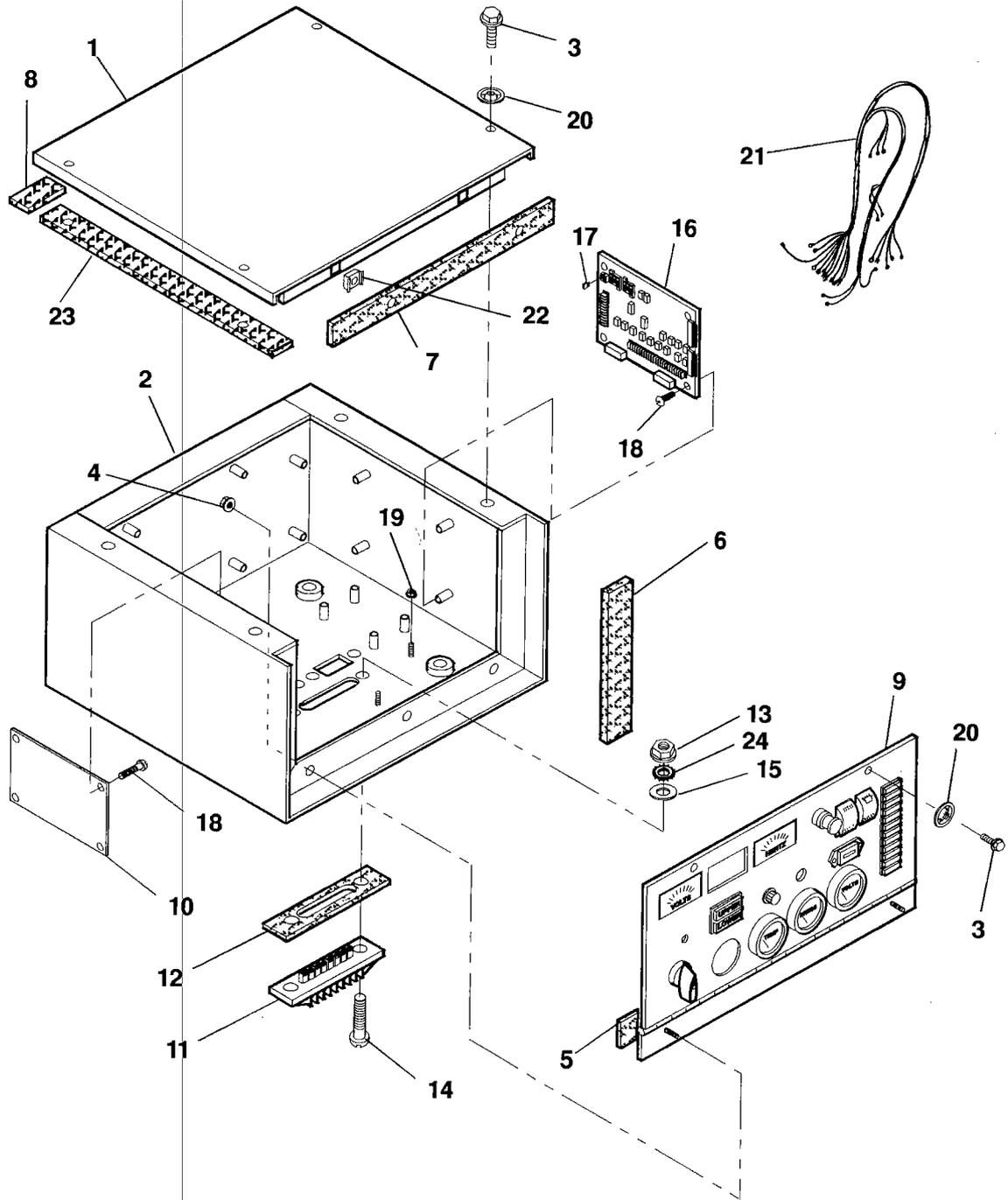


Output Box RDJC

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION | |
|---------|-------------|----------|---|---------|----------|----------|--|--|
| 1 | 319-2170 | 1 | Bracket, Mounting - Top | | | | Three Pole Breakers 480 Volt | |
| 2 | 319-2173 | 1 | Support, Mounting - Right Side | | | | | |
| 3 | 319-2171 | 1 | Bracket, Mounting - Right Side | | | | | |
| 4 | 319-2175 | 1 | Support, Mounting - Left Side | | | | | |
| 5 | 319-2172 | 1 | Bracket, Mounting - Left Side | | | | | |
| 6 | 319-2174 | 1 | Box, Output | | | | | |
| 7 | 856-0008 | 4 | Washer, Lock - EIT (5/16") | | | | | |
| 8 | 815-0236 | 4 | Screw, Hex Head - Thread Forming (5/16-18 x 5/8") | | | | | |
| 9 | 815-0756 | 12 | Screw, Flanged - Hex Head (M6 x 14mm) | | | | | |
| 10 | 517-0137 | 2 | Plug, Hole | | | | | |
| 11 | 508-0051 | 1 | Grommet (Fits 2" Hole) | | | | | |
| 12 | 508-0117 | 1 | Grommet (Fits 1-3/8" Hole) | | | | | |
| 13 | 800-3020 | 8 | Screw, Cap - Hex Head - With Washer and Nylon Patch (M4 x 14mm) | 26 | 812-0061 | 6 | | Screw, Machine - Round Head (#6-32 x 3/8") |
| 14 | 800-2060 | 4 | Screw, Cap - Hex Head (M8 x 35mm) | 27 | 850-0020 | 6 | | Washer, Lock - Spring (#6) |
| 15 | 402-0666 | 4 | Isolator, Vibration | 28 | 319-2185 | 1 | Plate, Cover - Used With Two Pole Circuit Breakers | |
| 16 | 850-0114-51 | 8 | Washer, Lock - Spring (M4) | 29 | 319-2087 | 1 | Cover, Circuit Breaker | |
| 17 | 850-0114-54 | 4 | Washer, Lock - Spring (M8) | 30 | 98-6803 | 1 | Label - Blank (Used as a Hinge) | |
| 18 | 853-2006 | 2 | Washer, Lock - EIT (M6) | 31 | 821-2032 | 2 | Nut, Self-Locking - Hex Washer Head (M6) | |
| 19 | 860-2007 | 1 | Nut, Hex (M6) | 32 | | | Transformer, Current (CT21, CT22, CT23) | |
| 20 | 338-2990 | 1 | Harness, Wiring - Output Box to Control (Includes Parts Marked *) | | | | Ratio 25/5 | |
| 21 | 323-1634 | 1 | *Connector, Plug (12 Place) (J21) | | | | Ratio 50/5 | |
| 22 | 323-1492 | 11 | *Socket, Contact (Used in J21) | | | | Ratio 75/5 | |
| 23 | 323-1583 | 1 | *Wedge, Connector (Used in J21) | | | | Ratio 100/5 | |
| 24 | 323-1591 | 1 | *Plug, Connector (Used in J21) | 33 | 860-2057 | 6 | Nut, Locking - Hex Flange (M6) | |
| 25 | | | Breaker, Circuit (CB21) | 34 | 850-2056 | 6 | Washer, Lock - Spring (M6) | |
| | | | Two Pole Breakers - 240 Volt | 35 | 319-2184 | 1 | Plate, Cover - Generator Sets Without Circuit Breakers | |
| | 320-1841-06 | 1 | 35 Amp | 36 | 815-0756 | 6 | Screw, Flange Head (M6 x 14mm) | |
| | 320-1841-07 | 1 | 40 Amp | 37 | 319-2169 | 1 | Cover, Output Box | |
| | 320-1841-08 | 1 | 45 Amp | | | | | |
| | 320-1841-09 | 1 | 50 Amp | | | | | |
| | 320-1841-10 | 1 | 55 Amp | | | | | |
| | 320-1841-11 | 1 | 60 Amp | | | | | |
| | 320-1841-12 | 1 | 65 Amp | | | | | |
| | 320-1841-13 | 1 | 70 Amp | | | | | |
| | 320-1841-14 | 1 | 75 Amp | | | | | |

* - Parts Included in 338-2990 Wiring Harness

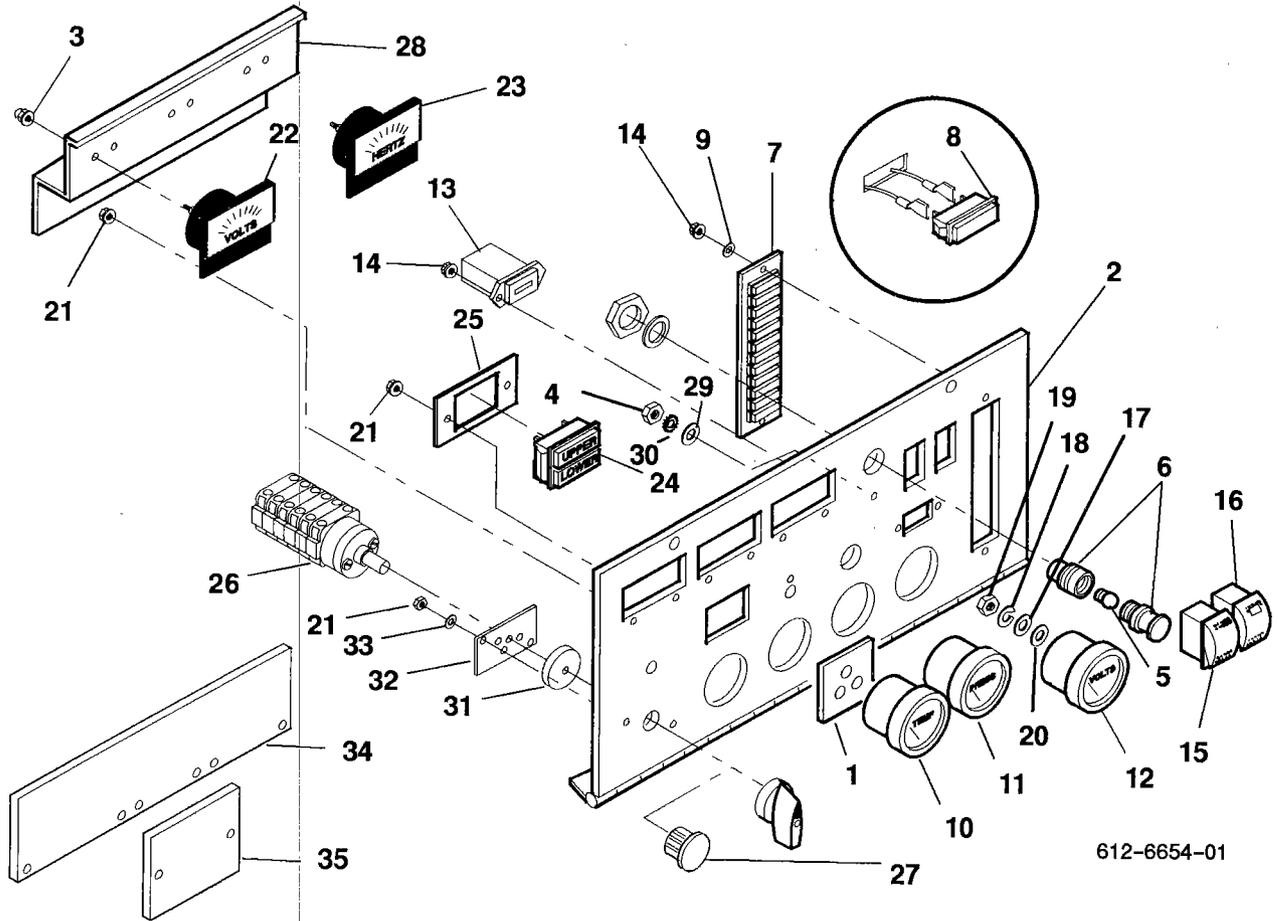
Control RDJC



Control RDJC

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|-------------|----------|--|---------|-------------|----------|---|
| 1 | 319-2100-01 | 1 | Cover, Control Box | 16 | | | Board, Printed Circuit - Engine Monitor (Includes Fuses) (A11) |
| 2 | 319-2105 | 1 | Box, Control | | | | Sets With 7 Light Control |
| 3 | 800-2034-01 | 6 | Screw, Cap - Hex Head (M6 x 20mm) | | 300-4294 | 1 | Sets With 12 Light Control |
| 4 | 870-2058 | 3 | Nut, Hex - W/ET (M5) | 17 | 300-4296 | 1 | Fuse |
| 5 | 895-0337 | 1 | Gasket, Foam - Hinge | | 321-0307-03 | 2 | 5 Amp (Tan) (F4,F5) |
| 6 | 895-0336 | 2 | Gasket, Foam - Sides | | 321-0307-06 | 1 | 15 Amp (Light Blue) (F3) |
| 7 | 895-0338 | 1 | Gasket, Foam - Top | | 321-0307-07 | 2 | 20 Amp (Yellow) (F1,F2) |
| 8 | 895-0339 | 1 | Gasket, Foam - Cover - Rear | 18 | 815-0550 | 8 | Screw, Machine - Round Head - Cross Recessed W/IT (#6-32 x 3/8") |
| 9 | - | 1 | Panel Assembly, Control (See Separate Page for Components) | 19 | 870-0183 | 3 | Nut, Hex - W/EIT (#6-32) |
| 10 | 300-2898 | 1 | Board, Printed Circuit - Time Delay - Start/Stop/Preheat (A15) | 20 | 526-0422 | 6 | Washer, Retainer - Nylon |
| 11 | 332-3239 | 1 | Block, Terminal - 8 Place (TB1) | 21 | - | 2 | Harness, Wiring - Control Panel, Engine to Control (See Separate Page for Components) |
| 12 | 332-3244 | 1 | Gasket, Terminal Block | | | | |
| 13 | 870-0131 | 2 | Nut, Hex - W/ET (#10-32) | 22 | 870-2195 | 2 | Nut, Captive - Floating (M6) |
| 14 | 813-0108 | 2 | Screw, Machine - Round Head Slotted (#10-32 x 1-1/2") | 23 | 895-0353 | 2 | Gasket, Foam - Cover - Sides |
| 15 | 526-0008 | 2 | Washer, Flat (#10) | 24 | 853-0008 | 2 | Washer, Lock - ET (#10) |

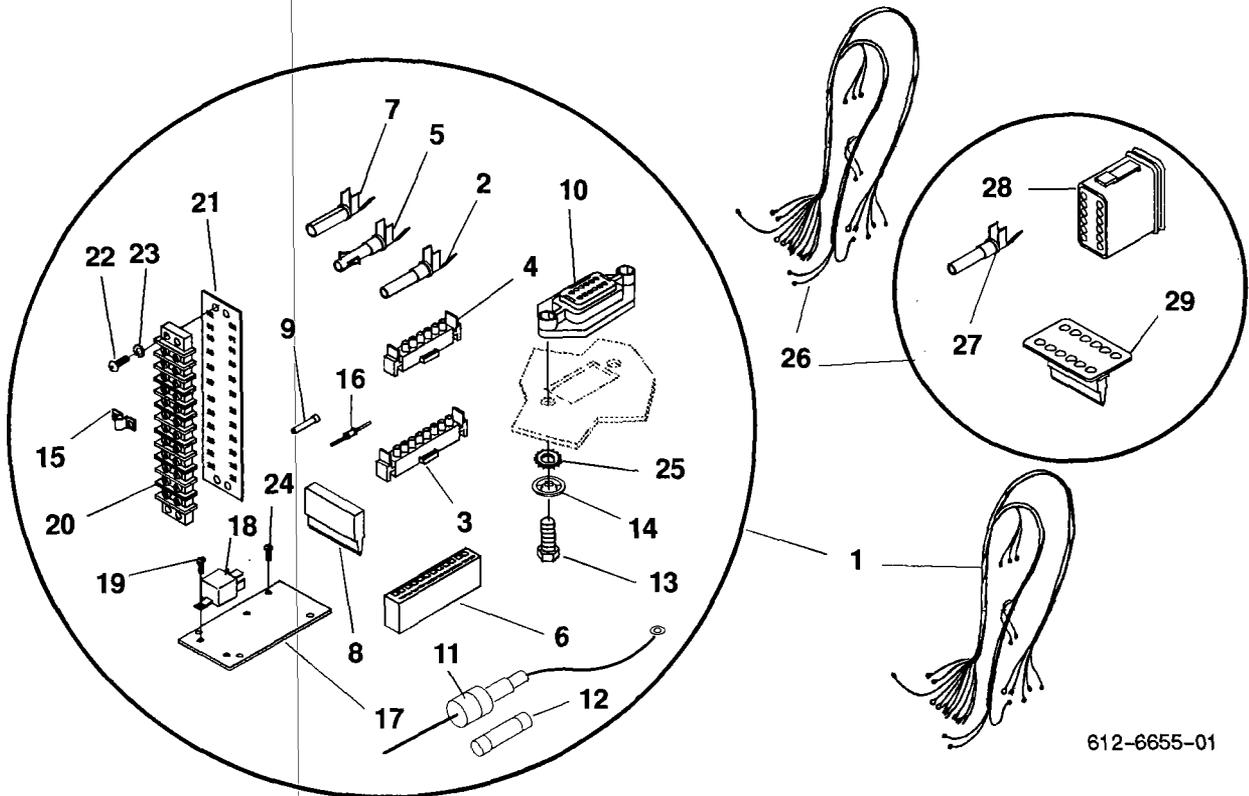
Control Panel Assembly RDJC



Control Panel Assembly RDJC

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|-------------|----------|---|---------|----------|----------|--|
| 1 | 300-4323 | 1 | Board, Printed Circuit - Water Temperature Gauge | 19 | 871-0010 | 10 | Nut, Hex - Brass (#10-32) |
| 2 | 319-2491-02 | 1 | Panel, Control | 20 | 526-0409 | 8 | Washer, Nylon |
| 3 | 870-0439 | 6 | Nut, Acorn (1/4-28) | 21 | 870-1220 | 10 | Nut, Hex - W/ET (#4-40) |
| 4 | 870-0183 | 1 | Nut, Hex - W/ET (#6-32) | 22 | 302-1148 | 1 | Voltmeter (M21) |
| 5 | 322-0004 | 1 | Bulb, Panel Light - Replacement | 23 | 302-1968 | 1 | Meter, Frequency (M23) |
| 6 | 322-0361 | 1 | Light, Panel (DS11) | 24 | 322-0363 | 1 | Light, Indicator - Upper/Lower Scale (DS21,DS22) |
| 7 | | | Light Assembly, Indicator (Includes Wiring Harness and Connector Housing) (A12) | 25 | 319-2141 | 1 | Bracket, Mounting - Indicator Light |
| | 322-0359-01 | 1 | 7 Light Assembly | 26 | 308-1052 | 1 | Switch, Rotary - Voltmeter/Ammeter (Includes Knob) (S21) |
| | 322-0360-01 | 1 | 12 Light Assembly | 27 | 517-0311 | 1 | Plug, Hole - Sets Without Rotary Switch |
| 8 | 322-0369-01 | 1 | Light, Indicator - Replacement | 28 | 319-2144 | 1 | Cover, Meter - Lexan |
| 9 | 526-0196 | 2 | Washer, Flat (7/32" ID x 7/16" OD x 1/8" Thk) | 29 | 526-0002 | 1 | Washer, Flat (#6) |
| 10 | 193-0351 | 1 | Gauge, Water Temperature (M12) | 30 | 853-0005 | 1 | Washer, Lock - ET (#8) |
| 11 | 193-0352 | 1 | Gauge, Oil Pressure (M11) | 31 | 308-1056 | 1 | Gasket, Switch |
| 12 | 302-1641 | 1 | Voltmeter (M13) | 32 | 319-2490 | 1 | Bracket, Mounting - Switch |
| 13 | 302-0885 | 1 | Meter, Time Totalizing (M14) | 33 | 526-0196 | 2 | Washer, Flat (7/32" ID x 7/16" OD x 1/8" Thk) |
| 14 | 870-1220 | 4 | Nut, Hex - W/ET (#4-40) | 34 | 319-2143 | 1 | Plate, Cover - AC Meter Openings - Sets Without AC Meters |
| 15 | 308-1011 | 1 | Switch, Rocker - Run/Stop/Remote (S12) | 35 | 319-2142 | 1 | Plate, Cover - Upper/Lower Scale Opening - Sets Without Upper/Lower Scale Indicator Lights |
| 16 | 308-1010 | 1 | Switch, Rocker - Lamp Test/Restart (S11) | | | | |
| 17 | 526-0049 | 13 | Washer, Flat - Brass (#10) | | | | |
| 18 | 850-0030 | 5 | Washer, Lock - Spring (#10) Voltmeter and Oil Pressure Gauge | | | | |

Wiring Harness RDJC

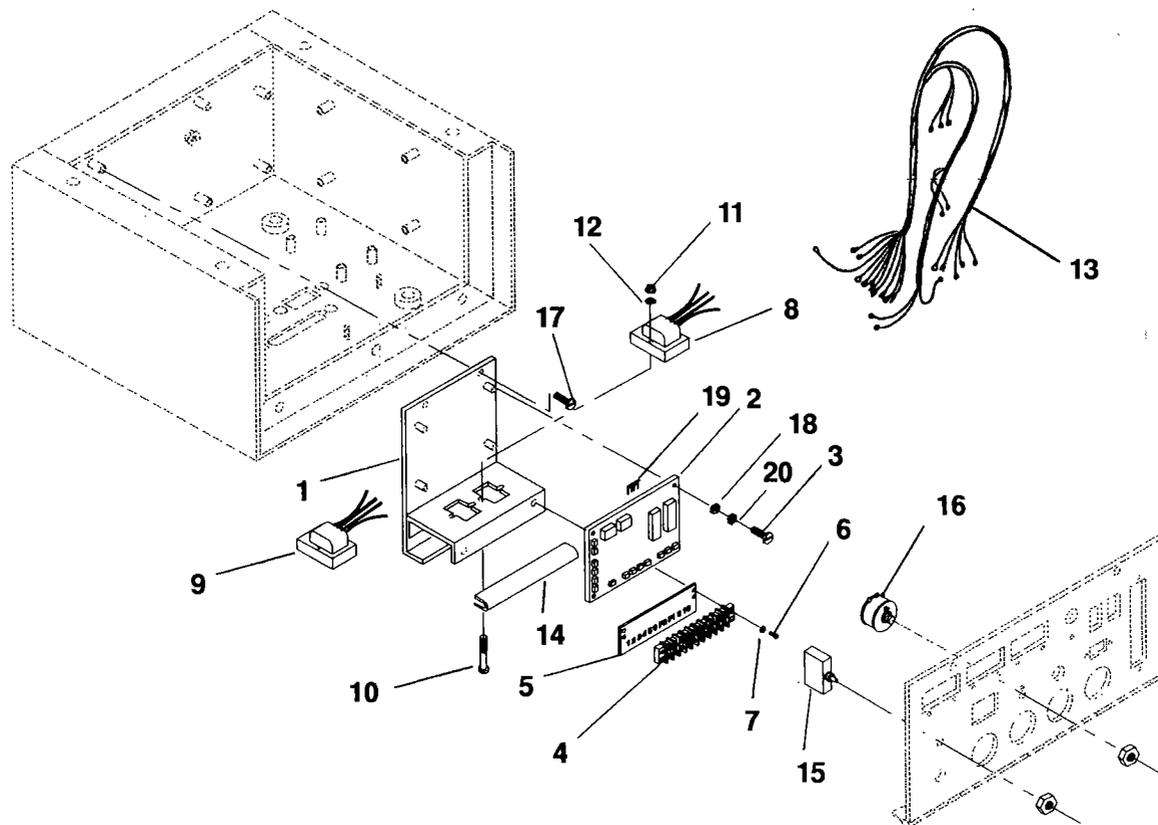


612-6655-01

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|-------------|----------|--|---------|-------------|----------|---|
| 1 | | | Harness, Wiring - Control Panel (Includes Parts Marked *) | 16 | 350-1222 | 1 | Resistor (1.5k Ohms) (Used on TB21) |
| | 338-2991-02 | 1 | Sets Without AC Meters | 17 | 319-2140 | 1 | Plate, Relay Mounting |
| | 338-2992-02 | 1 | Sets With AC Meters | 18 | 307-2817-01 | 3 | Relay (K11,K12,K13) |
| 2 | 323-1491 | 21 | *Pin, Contact (Used in P1, P21) | 19 | 821-0040 | 3 | Screw, Locking - Slotted - Hex Flange Head (#10-32 x 5/16") |
| 3 | 323-1306 | 1 | *Housing, Connector - 8 Place (J1) | 20 | 332-0607 | 1 | Block, Terminal - 12 Place (TB21) |
| 4 | 323-1304 | 2 | *Housing, Connector - 6 Place (J1,J2) | 21 | 332-2723 | 1 | Strip, Marker |
| 5 | 323-1200-01 | 15 | *Socket, Contact (Used in J1,J2) | 22 | 812-0028 | 2 | Screw, Machine - Round Head (#4-40 x 5/16") |
| 6 | 323-1308 | 1 | *Housing, Connector - 12 Place (J4) | 23 | 853-0003 | 2 | Washer, Lock - W/ET (#4) |
| 7 | | | *Pin, Contact (Used in J4) | 24 | 815-0550 | 4 | Screw, Fillister Head - Cross Recessed W/IT (#6-32 x 3/8") |
| | 323-1302 | 11 | Sets Without AC Meters | 25 | 856-0006 | 1 | Washer, Lock - Countersunk W/ET (1/4") (Used on Plug End of Ground Terminal of Engine Wiring Harness 338-2991-02) |
| | 323-1302 | 8 | Sets With AC Meters | 26 | 338-3036 | 1 | Harness, Wiring - Engine to Control (Includes Parts Marked #) |
| 8 | 323-1581 | 2 | *Wedge, Receptacle (Used in P1, P21) | 27 | 323-1492 | 7 | #Socket, Contact (Used in J1) |
| 9 | 323-1591 | 3 | *Plug, Connector (Used in P1, P21) | 28 | 323-1582 | 1 | #Plug, Connector - 12 Place (J1) |
| 10 | | | *Connector, Receptacle - 12 Place | 29 | 323-1583 | 1 | #Wedge, Plug (Used in J1) |
| | 323-1633-01 | 1 | Grey (P1) | | | | |
| | 323-1633-02 | 1 | Black (P21) | | | | |
| 11 | 321-0330 | 1 | *Holder Assembly, Fuse (Includes Fuse) | | | | |
| 12 | 321-0113 | 1 | *Fuse - 30 Amp (F1) | | | | |
| 13 | 800-2033-01 | 4 | Screw, Cap - Hex Head (M6 x 16mm) | | | | |
| 14 | 526-0422 | 4 | Washer, Retainer - Nylon | | | | |
| 15 | 332-1043 | 1 | Jumper (Used on TB21) | | | | |

* - Parts Included in Control Panel Wiring Harnesses
- Parts Included in 338-3036 Engine Wiring Harness

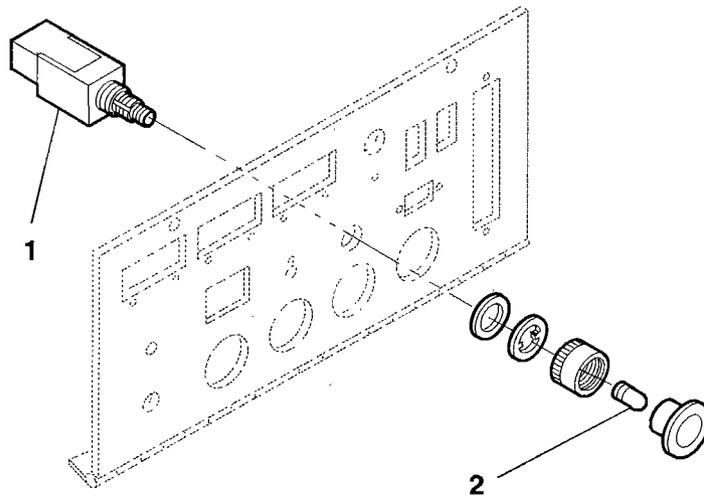
Voltage Regulator RDJC



300-4330-01

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|----------|----------|---|---------|-------------|----------|---|
| 1 | 305-0895 | 1 | Plate, Mounting | 11 | 870-0183 | 4 | Nut, Hex - Locking - W/ET (#6-32) |
| 2 | | | Board, Printed Circuit - Voltage Regulator (VR21) | 12 | 526-0002 | 4 | Washer, Flat (#6) |
| | 300-1540 | 1 | Assembly With Visible Components | 13 | | | Harness, Wiring - Voltage Regulator (VRTB to VR21) |
| | 305-0688 | 1 | Assembly With Potted Components | | 338-3008 | 1 | Used With 300-1540 Voltage Regulator Board (5 Wire) |
| 3 | | | Screw, Machine - Round Head | | 338-3006 | 1 | Used With 305-0688 Voltage Regulator Board (7 Wire) |
| | 812-0061 | 4 | Used With 300-1540 Voltage Regulator Board (#6-32 x 3/8") | 14 | 508-0139 | - | Channel, Rubber - Bulk (Order by the foot - 1 foot required) |
| | 812-0071 | 4 | Used With 305-0688 Voltage Regulator Board (#6-32 x 1-1/2") | 15 | 320-1121-01 | 1 | Breaker, Circuit - 3 Amp (CB21) |
| 4 | 332-0751 | 1 | Block, Terminal (10 Place) (VRTB21) | 16 | 303-0261 | 1 | Potentiometer (R21) |
| 5 | 332-3247 | 1 | Strip, Marker (10 Place) | 17 | 815-0428 | 2 | Screw, Pan Head - W/ET (#10-32 x 3/8") |
| 6 | 812-0082 | 2 | Screw, Machine - Round Head (#8-32 x 3/4") | 18 | 526-0002 | 4 | Washer, Flat (#6) Used With 305-0688 Voltage Regulator Board |
| 7 | 853-0005 | 2 | Washer, Lock - ET (#8) | 19 | 332-2605 | 1 | Jumper - Used With 305-0688 Voltage Regulator Board |
| 8 | 315-0386 | 1 | Transformer, Voltage (T21) | 20 | 853-0003 | 4 | Washer, Lock - W/ET (#6) Used With 305-0688 Voltage Regulator Board |
| 9 | 315-0391 | 1 | Reactor (CMR21) | | | | |
| 10 | 812-0071 | 4 | Screw, Machine - Round Head (#6-32 x 1-1/2") | | | | |

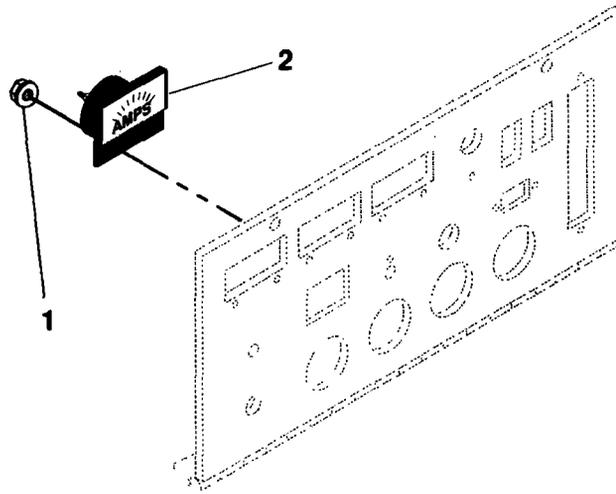
Emergency Stop Switch RDJC



300-4334

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|----------|----------|---|---------|----------|----------|-------------------|
| 1 | 308-1026 | 1 | Switch, Pushbutton - Emergency Stop (Includes Bulb) (S14) | 2 | 322-0223 | 1 | Bulb, Replacement |

AC Ammeter RDJC



300-4333

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|----------|----------|-------------------------|---------|----------|----------|--------------------------|
| 1 | 870-1220 | 2 | Nut, Hex - W/ET (#4-40) | 2 | 302-1473 | 1 | Ammeter (0-50/100) (M22) |

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INTRODUCTION

This catalog applies to the standard DJC Generator Sets as listed below. Parts are arranged in groups of related items. Each illustrated part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the *Model* and *Spec No.* from the nameplate, select the parts from this catalog that apply to your set. Unless otherwise mentioned in the description, parts are interchangeable between models. Right and left sides are determined by facing the engine end (front) of the set.

GENERATING SET DATA TABLE

| £ MODEL AND SPEC NO. | ELECTRICAL DATA | | | | |
|---|---|---------|-------|------|-------|
| | WATTS | VOLTS | HERTZ | WIRE | PHASE |
| 9.0DJC-53CR/* | 9,000 | 120/240 | 50 | ** | 1 |
| 9.0DJC-54R/* | 9,000 | 120/208 | 50 | 4 | 3 |
| 9.0DJC-54XR/* | 9,000 | 277/480 | 50 | 4 | 3 |
| 9.0DJC-55DR/* | 9,000 | 120/240 | 50 | 4 | 3 |
| 9.0DJC-57R/* | 9,000 | 220/380 | 50 | 4 | 3 |
| 9.0DJC-59R/* | 9,000 | 600 | 50 | 3 | 3 |
| 9.0DJC-518R/* | 9,000 | ★ | 50 | 12 | 3 |
| 12.0DJC-3CR/* | 12,000 | 120/240 | 60 | ** | 1 |
| 12.0DJC-4R/* | 12,000 | 120/208 | 60 | 4 | 3 |
| 12.0DJC-4XR/* | 12,000 | 277/480 | 60 | 4 | 3 |
| 12.0DJC-5DR/* | 12,000 | 120/240 | 60 | 4 | 3 |
| 12.0DJC-9R/* | 12,000 | 600 | 60 | 3 | 3 |
| 12.0DJC-18R/* | 12,000 | ★ | 60 | 12 | 3 |
| 12.0DJC-3CE/* (Formerly 12DJC-3E2236/) | Contractor Models - See Special Parts List following the Standard Parts List. | | | | |

* - The Specification Letter advances (A to B, B to C, . . . Z to AA, AA to AB, etc.) with manufacturing changes. A Specification Number, other than 1, designates customer option(s).

** - These generators have four load wires which are reconnectable for 120 volt 2 wire service, or 240 volt 2 wire service, or 120/240 volt 3 wire service. **NOTE:** Previously the C designation was not in the model.

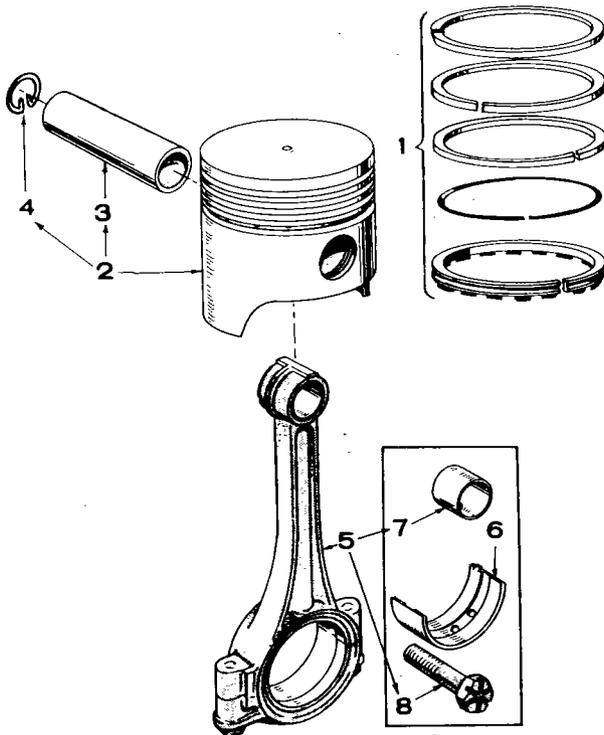
£ - New model designation shown, begin during 1969. Previous designation did not use a decimal in the KW rating. **EXAMPLE:** 9.0DJC was formerly 9DJC and 12.0DJC was formerly 12DJC.

★ - Broad range reconnectable sets, refer to connection diagram inside Outlet Box cover.

NOTICE!

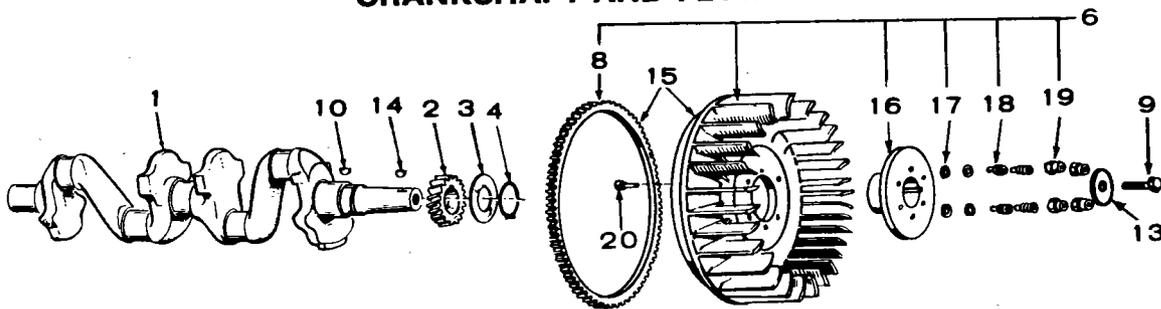
ITEMS REFERENCED AS **OPTIONAL** INDICATE PART IS FACTORY INSTALLED AND MAY NOT BE APPLICABLE TO ALL MODELS. FOR FIELD CONVERSIONS ADDITIONAL PARTS ARE USUALLY REQUIRED.

PISTON AND ROD



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|---|-----------|------------------------------------|
| 1 | RING SET | | |
| | 113-0130 | 4 | Standard |
| | 113-0130-05 | 4 | .005" Oversize |
| | 113-0130-10 | 4 | .010" Oversize |
| | 113-0130-20 | 4 | .020" Oversize |
| | 113-0130-30 | 4 | .030" Oversize |
| | 113-0130-40 | 4 | .040" Oversize |
| 2 | PISTON AND PIN (Includes Pin Retaining Rings) | | |
| | 112-0103 | 4 | Spec A through N Standard |
| | 112-0103-10 | 4 | .010" Oversize |
| | 112-0103-20 | 4 | .020" Oversize |
| | 112-0103-30 | 4 | .030" Oversize |
| | 112-0103-40 | 4 | .040" Oversize |
| | | | Begin Spec P |
| | 112-0109 | 4 | Standard |
| | 112-0109-05 | 4 | .005" Oversize |
| | 112-0109-10 | 4 | .010" Oversize |
| | 112-0109-20 | 4 | .020" Oversize |
| | 112-0109-30 | 4 | .030" Oversize |
| | 112-0109-40 | 4 | .040" Oversize |
| 3 | 112-0093 | 4 | Pin, Piston |
| 4 | 112-0085 | 8 | Ring, Retaining |
| 5 | 114-0168 | 4 | Rod Assembly, Connecting |
| 6 | BEARING HALF, CONNECTING ROD | | |
| | 114-0164 | 8 | Standard |
| | 114-0164-02 | 8 | .002" Undersize |
| | 114-0164-10 | 8 | .010" Undersize |
| | 114-0164-20 | 8 | .020" Undersize |
| | 114-0164-30 | 8 | .030" Undersize |
| 7 | 114-0170 | 4 | Bushing, Piston Pin Connecting Rod |
| 8 | 805-0012 | 8 | Bolt, Place (Special) |

CRANKSHAFT AND FLYWHEEL

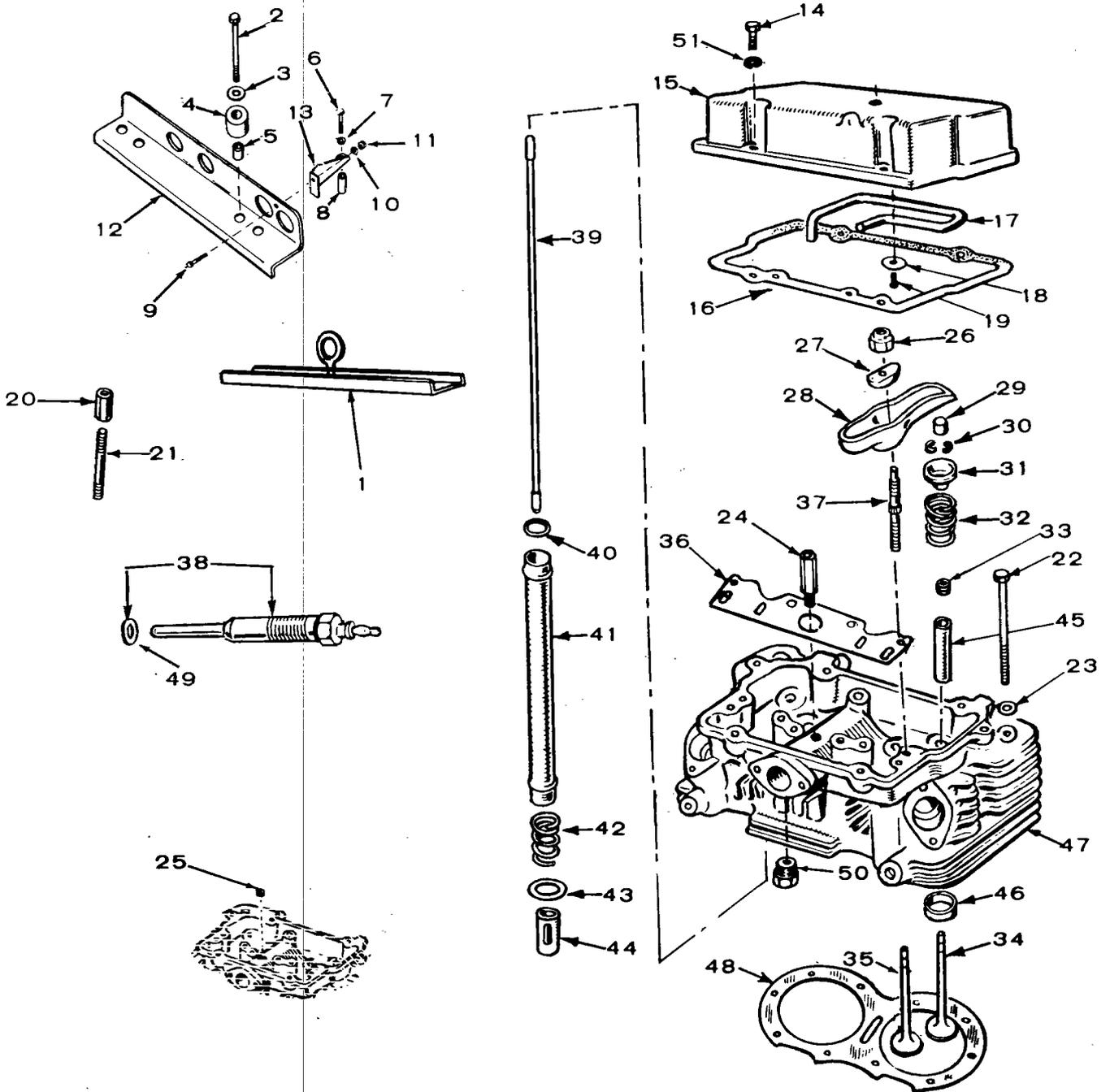


| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|--|
| | 134-3960 | 1 | Kit, Hardware - Hub Mounting (Includes Parts Marked *) |
| 1 | 104-1118 | 1 | Crankshaft |
| 2 | 104-0418 | 1 | Gear, Crankshaft |
| 3 | 104-0416 | 1 | Washer, Gear Retainer |
| 4 | 518-0188 | 1 | Ring, Lock |
| 6 | 134-1405 | 1 | Flywheel, Includes Ring Gear & Hub Assembly |
| 8 | 104-0423 | 1 | Gear, Ring |
| 9 | 800-0500 | 1 | Screw (7/16-14 x 5-1/2") Flywheel Mounting |
| 10 | 515-0001 | 1 | Key, Crankshaft Gear |
| 13 | 526-0185 | 1 | Washer, Flywheel Mounting |

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|---------------|-----------|--|
| 14 | 515-0153 | 1 | Key, Flywheel to Crankshaft |
| 15 | 134-1404 | 1 | Flywheel (Includes Ring Gear, Less Hub) |
| 16 | HUB, FLYWHEEL | | |
| | 134-1401 | 1 | Standard |
| | 134-4527 | 1 | PTO Application |
| 17 | 526-0187 | 4 | *Washer (Special) Hub to Flywheel |
| 18 | 104-0543 | 4 | *Spacer & Washer Assembly, Hub to Flywheel |
| 19 | 870-0352 | 4 | *Nut (3/8-24) Hub to Flywheel |
| 20 | 801-0054 | 4 | *Screw, Cap - Hex Head (3/8-24 x 2" lg) |

* - Parts Included 134-3960 Hardware Kit.

CYLINDER HEAD, VALVE AND ROCKER



CYLINDER HEAD, VALVE AND ROCKER

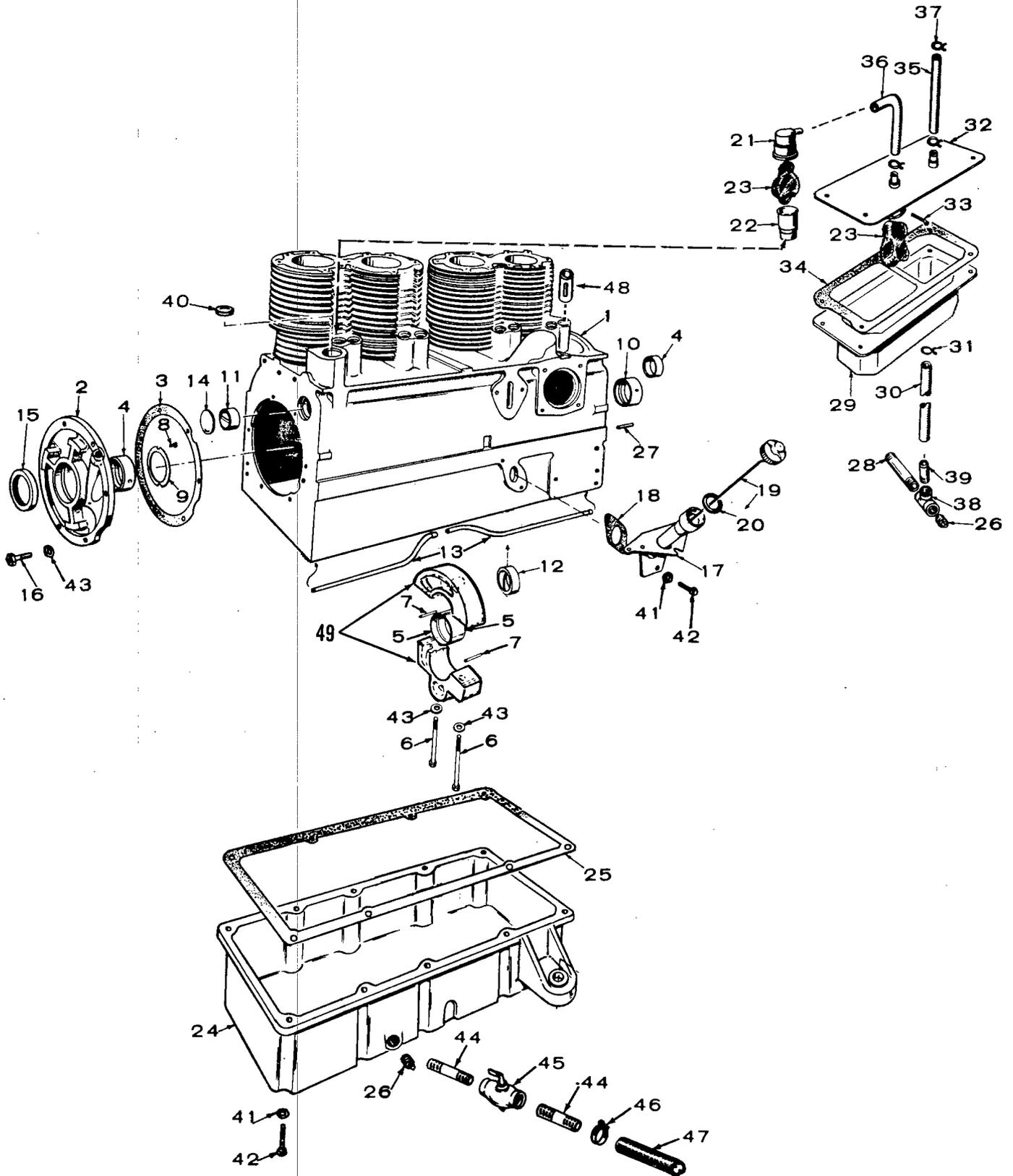
| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|-----------------------|-----------|--|----------|---------------------------------------|-----------|---|
| 1 | | 1 | Bar, Lifting - Spec A Only (Not Available; order 403-0690 and Mtg. Hardware) | 25 | 505-0274 | 2 | £†Plug, Hex - Prior to Spec P |
| | | | | 26 | 115-0150 | 8 | Locknut, Rocker Arm |
| | | | | 27 | 115-0127 | 8 | Ball, Pivot |
| 2 | SCREW, CAP - HEX HEAD | | | 28 | ARM, ROCKER | | |
| | 800-0091 | 2 | Spec A (1/2-13 x 1-1/4") | | 115-0128 | 4 | Exhaust Valves |
| | 800-0094 | 2 | Begin Spec B (1/2-13 x 2") | | 115-0129 | 4 | Intake Valves |
| 3 | 850-0060 | 2 | Washer, Lock - Spring - Spec A (1/2") | 29 | 110-0859 | 8 | Cap, Valve Stem |
| 3 | 526-0100 | 2 | Washer, Flat - Begin Spec B (9/16" ID x 1-3/8" OD x 7/64" Thk) | 30 | 110-0858 | 16 | Lock, Valve Stem |
| 4 | 402-0361 | 2 | Cushion, Vibration - Begin Spec B | 31 | 110-1220 | 8 | Retainer, Valve Spring |
| 5 | 402-0362 | 2 | Spacer - Begin Spec B | 32 | 110-1221 | 8 | Spring, Valve |
| 6 | 800-0038 | 1 | Screw, Cap - Hex Head - Begin Spec B (5/16-18 x 3-1/4") | 33 | SEAL, OIL - VALVE STEM | | |
| 7 | 850-0044 | 1 | Washer, Lock - Spring - Begin Spec B (5/16") | | 509-0132 | 4 | Begin Spec AC |
| 8 | 403-0826 | 1 | Spacer - Begin Spec B | | 509-0090 | 4 | Specs A thru AB |
| 9 | 800-0025 | 1 | Screw, Cap - Hex Head - Begin Spec B (5/16-18 x 5/8") | 34 | 110-1278 | 4 | Valve, Exhaust |
| 10 | 850-0044 | 1 | Washer, Lock - Spring - Begin Spec B (5/16") | 35 | VALVE, INTAKE | | |
| 11 | 862-0015 | 1 | Nut, Hex - Begin Spec B (5/16-18) | | 110-1871 | 4 | Begin Spec AC |
| 12 | 403-0690 | 1 | Bracket, Lifting - Begin Spec B | | 110-1320 | 4 | Specs A thru AB |
| 13 | 403-0890 | 1 | Brace, Lifting Bracket - Begin Spec B | 36 | 115-0196 | 2 | †£Guide, Push Rod |
| 14 | SCREW, CAP - HEX HEAD | | | 37 | 115-0152 | 8 | Stud, Rocker Arm |
| | 800-0030 | 8 | Spec A (5/16-18 x 1-1/4") | 38 | 333-0106 | 4 | Kit, Glow Plug |
| | 800-0030 | 7 | Begin Spec B (5/16-18 x 1-1/4") | 39 | 115-0149 | 8 | Rod, Push |
| 15 | 115-0134 | 2 | Cover Assembly, Rocker (Includes Parts Marked *) | 40 | 509-0084 | 8 | Seal, Push Rod Shield |
| 16 | 115-0130 | 2 | Gasket, Rocker Cover Mounting | 41 | 115-0151 | 8 | Shield, Push Rod |
| 17 | 120-0628 | 2 | *Line, Oil | 42 | 115-0146 | 8 | Spring, Push Rod Shield |
| 18 | 526-0130 | 2 | *Washer, Flat (17/64" ID x 1" OD x 1/16" Thk) | 43 | 115-0155 | 8 | Washer, Flat - Push Rod Shield |
| 19 | 815-0562 | 2 | *Screw, Machine - Pan Head - Cross Recessed (#10 x 5/16") | 44 | TAPPET, VALVE | | |
| 20 | 403-0620 | 2 | Nut, Extension - Spec A Only | | 115-0195 | 8 | Begin Spec P |
| 21 | 520-0626 | 2 | Stud, Cylinder Head - Spec A Only | | 115-0132 | 8 | Specs A thru N |
| 22 | SCREW, CAP - HEX HEAD | | | 45 | £GUIDE, VALVE | | |
| | 110-1264 | 10 | (Special) | | 110-1869 | 4 | Intake - Begin Spec AC |
| | 800-0503 | 10 | Spec A (3/8-16 x 1-3/4") | | 110-1870 | 4 | Exhaust - Begin Spec AC |
| | 800-0503 | 12 | Begin Spec B (3/8-16 x 1-3/4") | | 110-1501 | 8 | Intake/Exhaust - Spec A thru AB |
| 23 | 526-0174 | 12 | Washer, Flat (.406" ID x .781" OD x .1345" Thk) | 46 | £INSERT, VALVE SEAT | | |
| 24 | 123-1140 | 2 | £Vent, Standpipe - Begin Spec T | | 110-1268 | 8 | Standard |
| | | | | | 110-1268-02 | 8 | .002" Oversize |
| | | | | | 110-1268-05 | 8 | .005" Oversize |
| | | | | | 110-1268-10 | 8 | .010" Oversize |
| | | | | | 110-1268-25 | 8 | .025" Oversize |
| | | | | 47 | HEAD ASSEMBLY, CYLINDER (REPLACEMENT) | | |
| | | | | | | | Without Valves (Includes Parts Marked †) |
| | | | | | 110-2941 | 2 | Begin Spec P |
| | | | | | 110-2701 | 2 | Prior to Spec P |
| | | | | | | | With Valves (Includes Parts Marked £) |
| | | | | | 110-2940 | 2 | Begin Spec P |
| | | | | | 110-2993 | 2 | Prior to Spec P |
| | | | | 48 | 110-1223 | 2 | Gasket, Cylinder Head |
| | | | | 49 | 110-0546 | 4 | Gasket, Glow Plug |
| | | | | 50 | 502-0281 | 2 | †Connector, Inverted Male |
| | | | | 51 | 850-0045 | 8 | Washer, Lock - Spring (5/16") |

† - Parts included in Cylinder Head Assembly
Without Valves

£ - Parts included in Cylinder Head Assembly
With Valves

* - Parts included in Rocker Cover Assembly.

CYLINDER BLOCK AND OIL BASE

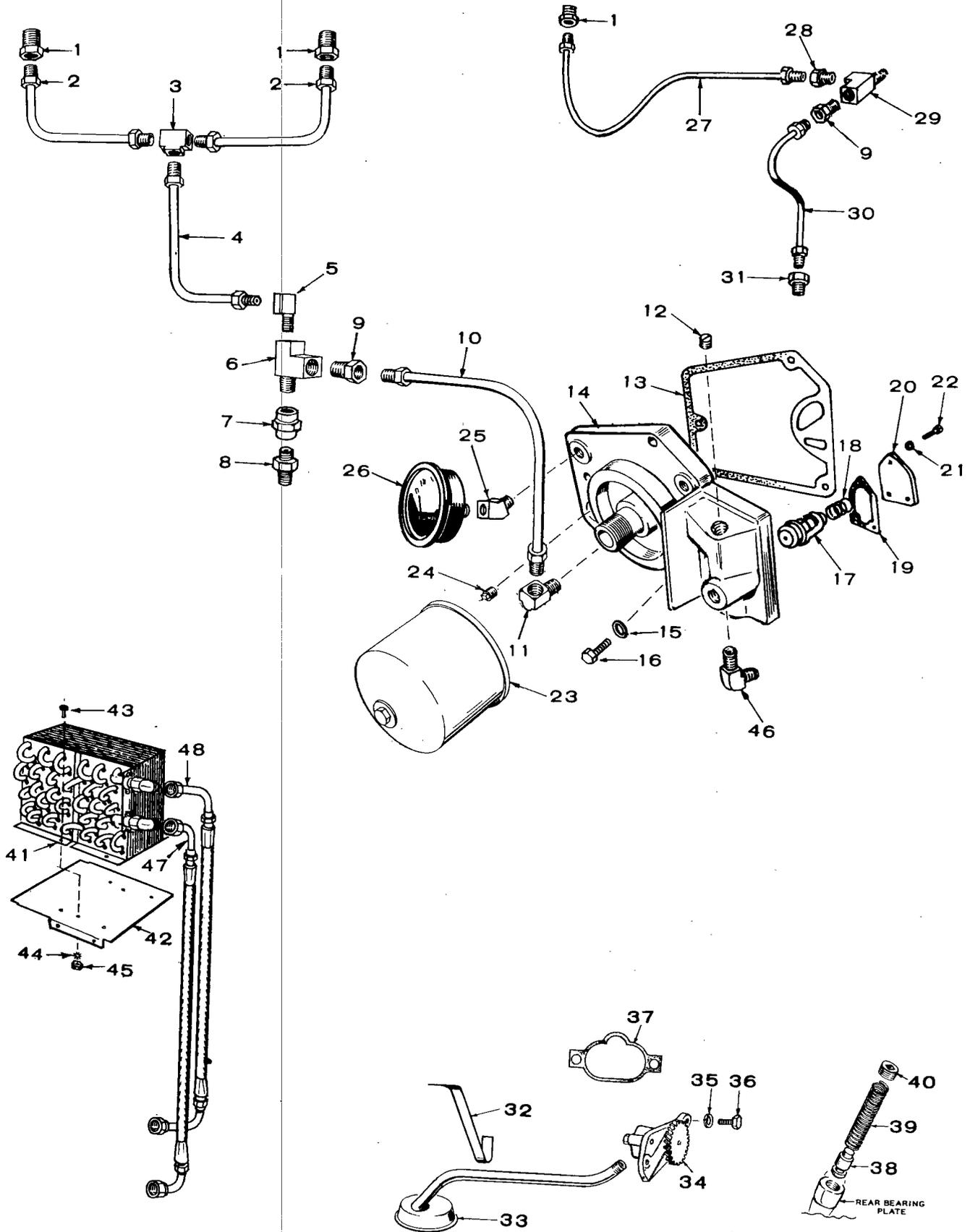


CYLINDER BLOCK AND OIL BASE

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|--|-----------|--|----------|-----------------------|-----------|---|
| 1 | 110-1332 | 1 | Block Assembly, Cylinder (Includes Parts Marked *) | 25 | 102-0475 | 1 | Gasket, Oil Base |
| 2 | 101-0337 | 1 | *Plate, Rear Bearing (Less Bearing and Pins) | 26 | 505-0056 | 1 | Plug |
| 3 | 101-0386 | 1 | *Shim and Gasket Kit, Rear Bearing Plate | 27 | 516-0141 | 2 | *Pin, Gear Cover Alignment |
| 4 | *BEARING, PRECISION MAIN - FRONT OR REAR | | | 28 | 505-0681 | 1 | Nipple, Pipe - Spec S Only |
| | 101-0359 | 2 | Standard | 29 | 123-1061 | 1 | Damper, Breather Pulsation - Spec S Only |
| | 101-0359-02 | 2 | .002" Undersize | 30 | 503-0564 | 1 | Hose, Overflow - Pulsation Damper - Spec S Only |
| | 101-0359-10 | 2 | .010" Undersize | 31 | 503-0197 | 2 | Clamp, Overflow Hose - Spec S Only |
| | 101-0359-20 | 2 | .020" Undersize | 32 | 123-1047 | 1 | Cover, Breather Pulsation Damper - Spec S Only |
| | 101-0359-30 | 2 | .030" Undersize | 33 | 516-0177 | 1 | Pin, Cotter - Baffle Retainer - Spec S Only |
| 5 | *BEARING, HALF - PRECISION - CENTER MAIN | | | 34 | 123-1049 | 1 | Gasket, Breather Pulsation Damper - Spec S Only |
| | 101-0361 | 2 | Standard | 35 | 503-0563 | 1 | Hose, Damper Cover Intake Manifold - Spec S Only |
| | 101-0361-02 | 2 | .002" Undersize | 36 | 503-0562 | 1 | Hose, Damper Cover to Breather Cap - Spec S Only |
| | 101-0361-10 | 2 | .010" Undersize | 37 | 503-0170 | 4 | Clamp, Hose - Breather Pulsation - Spec S Only |
| | 101-0361-20 | 2 | .020" Undersize | 38 | 505-0682 | 1 | Tee, Oil Drain - Spec S Only |
| | 101-0361-30 | 2 | .030" Undersize | 39 | 505-0683 | 1 | Nipple, Half - Damper Hose to Oil Drain - Spec S Only |
| 6 | 101-0342 | 2 | *Bolt, Center Bearing Housing | 40 | 517-0103 | 1 | Plug, Core Hole - Begin Spec T |
| 7 | 516-0149 | 2 | *Pin, Center Bearing Housing | 41 | WASHER, LOCK - SPRING | | |
| 8 | 516-0072 | 4 | *Pin, Thrust Washer | 850-0055 | | 10 | Oil Base Mounting (7/16") |
| 9 | 104-0420 | 2 | *Washer, Crankshaft Thrust | 850-0045 | | 2 | Oil Fill Tube Mounting (5/16") |
| 10 | 101-0363 | 1 | *Bearing, Camshaft - Front | 42 | SCREW, CAP - HEX HEAD | | |
| 11 | 101-0365 | 1 | *Bearing, Camshaft - Rear | 800-0072 | | 10 | Oil Base Mounting (7/16-14 x 1-1/4") |
| 12 | 101-0364 | 1 | *Bearing, Camshaft Center | 800-0026 | | 2 | Oil Fill Tube Mounting (5/16-18 x 3/4") |
| 13 | *TUBE, CRANKCASE OIL | | | 43 | WASHER, FLAT | | |
| | 120-0586 | 1 | Front | 526-0245 | | 6 | Bearing Plate Mounting (.391" ID x .6250" OD x .0598" Thk) |
| | 120-0585 | 1 | Rear | 526-0035 | | 2 | *Center Main Bearing Housing (17/32" ID x 7/8" OD x 1/8" Thk) |
| 14 | 517-0053 | 1 | *Plug, Expansion | 44 | 505-0002 | 1 | Nipple, Oil Drain |
| 15 | 509-0086 | 1 | Seal, Crankshaft Rear | 45 | 504-0011 | 1 | Valve, Oil Drain |
| 16 | 805-0019 | 6 | *Bolt, Rear Bearing Plate (3/8-16 x 1-1/4") | 46 | 503-0197 | 1 | Clamp, Hose |
| 17 | TUBE, OIL FILL | | | 47 | 503-0316 | 1 | Hose, Oil Drain |
| | 123-1086 | 1 | Begin Spec S | 48 | 115-0195 | 8 | *Tappet, Cylinder Block |
| | 123-0681 | 1 | Specs A thru R | 49 | 101-0356 | 1 | *Housing, Bearing - Center Main (Includes Pins) |
| 18 | 123-0667 | 1 | Gasket, Oil Fill | | | | |
| 19 | CAP AND INDICATOR | | | | | | |
| | 123-1056 | 1 | Begin Spec S | | | | |
| | 123-0698 | 1 | Specs A thru R | | | | |
| 20 | 123-0191 | 1 | Gasket, Cap | | | | |
| 21 | 123-0787 | 1 | Cap, Breather Tube - Specs A thru S | | | | |
| 22 | 123-0645 | 1 | Tube, Breather - Specs A thru S | | | | |
| 23 | FILTER, BREATHER | | | | | | |
| | 123-1283 | 2 | Spec S Only (Specs A thru R used 1 only) | | | | |
| 24 | BASE, OIL | | | | | | |
| | 102-0539 | 1 | Begin Spec B | | | | |
| | 102-0476 | 1 | Spec A Only (No Longer Available - Replaced By: 1 - 102-0539 Oil Base 1 - 231-0111 Adapter, Engine to Generator 2 - 402-0285 Mount 2 - 402-0287 Mount 1 - 402-0323 Hardware Pkg.) | | | | |
| | 102-0549 | 1 | Use with Oil Base Heater | | | | |

* - Parts Included in 110-1332 Cylinder Block Assembly

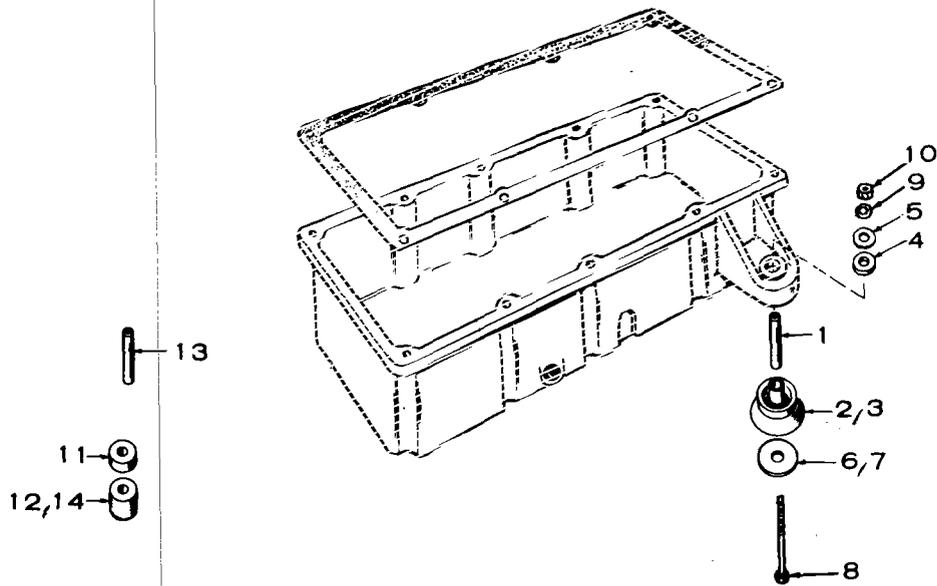
OIL SYSTEM



OIL SYSTEM

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|---------------------------------------|-----------|---|----------|---------------------------------------|-----------|--|
| 1 | CONNECTOR, OIL LINE TO CYLINDER HEAD | | | 25 | 502-0053 | 1 | Elbow, Street (45°) |
| | 502-0281 | 2 | Begin Spec T (Restricted) | 26 | 193-0006 | 1 | Gauge, Oil Pressure |
| | 502-0281 | 1 | Specs P Through S (Restricted) | 27 | LINE, CYLINDER HEAD TO CYLINDER TEE | | |
| | 502-0097 | 1 | Specs A Through N | | 120-0635 | 1 | Specs P Through S |
| 2 | 120-0695 | 2 | Line, Oil - Cylinder Head to Tee - Begin Spec T | | 120-0575 | 1 | Specs A Through N |
| 3 | 502-0373 | 1 | Tee, Oil Lines - Cylinder Heads - Begin Spec T | 28 | CONNECTOR, OIL LINE TO TEE | | |
| 4 | 120-0696 | 1 | Line, Oil - Begin Spec T | | 502-0097 | 1 | Specs P Through S |
| 5 | 502-0037 | 1 | Elbow, Oil Line - Begin Spec P | | 502-0030 | 1 | Specs A Through N |
| 6 | 502-0242 | 1 | Tee, Oil Lines | 29 | TEE, RESTRICTED - FRONT CYLINDER HEAD | | |
| 7 | 502-0051 | 1 | Coupling, Pipe - Oil Lines - Begin Spec P | | 502-0282 | 1 | Specs P Through S |
| 8 | 502-0082 | 1 | Nipple, Pipe - Hex - Begin Spec P | | 502-0242 | 1 | Specs A Through N |
| 9 | CONNECTOR, INVERTED MALE (RESTRICTED) | | | 30 | LINE, INJECTION PUMP TO CYLINDER HEAD | | |
| | 502-0274 | 1 | Begin Spec P | | 120-0632 | 1 | Specs P Through S |
| | 502-0030 | 1 | Specs A Through N | | 120-0583 | 1 | Specs A Through N |
| 10 | LINE, ADAPTER TO CYLINDER HEAD TEE | | | 31 | CONNECTOR, OIL LINE TO TEE | | |
| | 120-0614 | 1 | Begin Spec P | | 502-0097 | 1 | Specs P Through S |
| | 120-0584 | 1 | Specs A Through N | | 502-0030 | 1 | Specs A Through N |
| 11 | ELBOW, INVERTED MALE - ADAPTER | | | 32 | 120-0602 | 1 | Bracket, Intake Cup |
| | 502-0037 | 1 | Begin Spec P | 33 | 120-0601 | 1 | Cup Assembly, Oil Intake |
| | 502-0019 | 1 | Specs A Through P | 34 | 120-0547 | 1 | Pump Assembly, Oil (Components Not Sold Separately) |
| 12 | 505-0274 | 1 | Plug, Pipe - Slotted | 35 | 850-0045 | 2 | Washer, Lock - Spring (5/16") |
| 13 | 122-0246 | 1 | Gasket, Filter Adapter | 36 | 800-0030 | 2 | Screw, Cap - Hex Head (5/16-18 x 1-1/4") |
| 14 | 122-0245 | 1 | Adapter, Oil Filter | 37 | 120-0580 | 1 | Gasket Kit, Oil Pump |
| 15 | 850-0045 | 3 | Washer, Lock - Spring (5/16") | 38 | 120-0539 | 1 | Valve, Oil By-Pass |
| 16 | 800-0028 | 3 | Screw, Cap - Hex Head (5/16-18 x 1") | 39 | 120-0555 | 1 | Spring, By-Pass Valve |
| 17 | 309-0130 | 1 | Thermostat, Oil Temperature | 40 | 505-0274 | 1 | Plug, Pipe - Oil By-Pass Valve |
| 18 | 122-0242 | 1 | Spring, Thermostat | 41 | 102-0843 | 1 | Cooler, Oil (NOTE: Specs A Through Q also order 501-0109 and 501-0110 Lines) |
| 19 | 122-0243 | 1 | Gasket, Thermostat Cover | 42 | 102-0518 | 1 | Bracket Oil Cooler Mounting |
| 20 | 122-0244 | 1 | Cover, Thermostat | 43 | 800-0003 | 4 | Screw, Cap - Hex Head (1/4-20 x 1/2") |
| 21 | 850-0040 | 3 | Washer, Lock - Spring (1/4") | 44 | 853-0013 | 4 | Washer, Lock - Spring (1/4") |
| 22 | 800-0005 | 3 | Screw, Cap - Hex Head (1/4-20 x 3/4") | 45 | 862-0001 | 4 | Nut, Hex (1/4-20) |
| 23 | FILTER, OIL | | | 46 | 502-0277 | 2 | Elbow, Oil Cooler Line to Adapter |
| | 122-0185 | 1 | Small (4-3/8") | 47 | 501-0109 | 1 | Line, Flexible (Short Elbow) |
| | 122-0193 | 1 | Heavy Duty (5-3/4") | 48 | 501-0110 | 1 | Line, Flexible (Long Elbow) |
| 24 | 505-0057 | 1 | Plug, Pipe - Square Head (1/8") | | | | |

MOUNTING HARDWARE

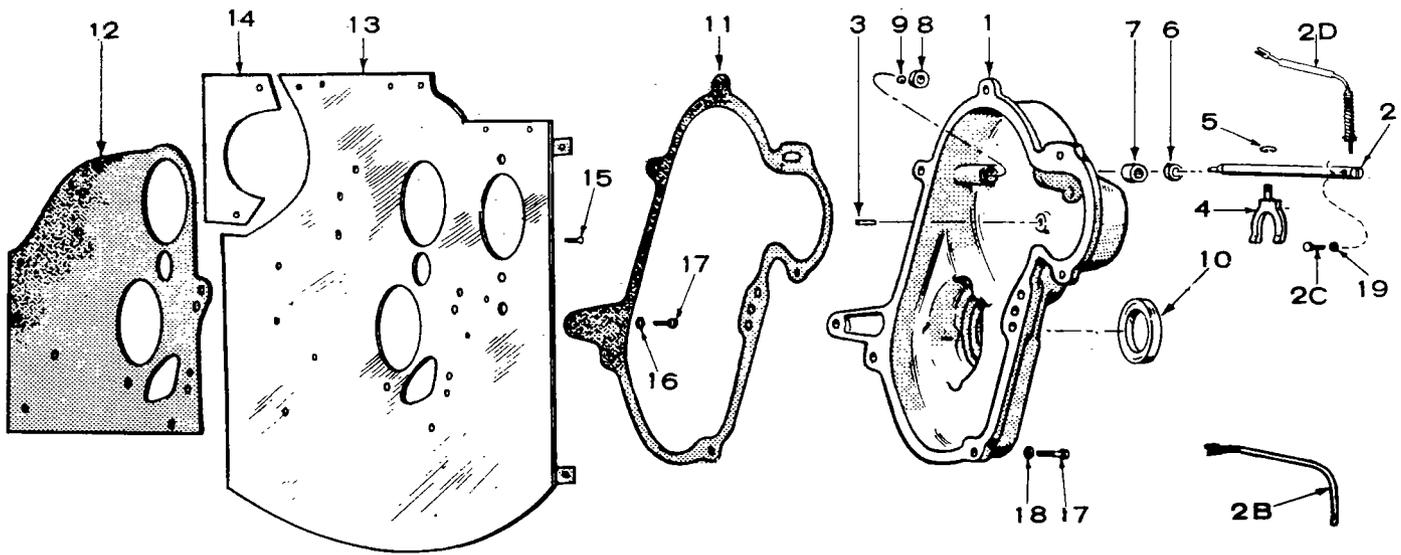


| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|---------------------------------------|-----------|--|
| | HARDWARE PACKAGE, MOUNTING - COMPLETE | | |
| | 402-0291 | 4 | Standard (Includes Parts Marked *) |
| | 402-0327 | 1 | Housed, and Skid w/Battery Rack (Includes Parts Marked #) |
| 1 | 402-0290 | 4 | *#Bushing, Spacer |
| 2 | 402-0286 | 2 | Cushion, Vibration - Generator End |
| 3 | 402-0285 | 2 | Cushion, Vibration - Engine End |
| 4 | 402-0282 | 4 | *#Snubber, Shock Mounting |
| 5 | 526-0014 | 4 | *#Washer, Flat (29/64" ID x 1-1/2" OD x 1/8" Thk) |
| 6 | WASHER, FLAT 526-0195 | 4 | *#29/64" ID x 3-1/4" OD x 1/8" Thk (Three used on Housed and Skid Mounting Sets) |
| | 526-0199 | 1 | *29/64" ID x 3-1/4" OD x 1/8" Thk (Housed and Skid Mounted Sets Only) |
| 7 | 526-0198 | As Req | *#Washer, Flat (5/8" ID x 1-1/2" OD x 1/16" Thk) |
| 8 | 816-0212 | 4 | *Bolt, Carriage (7/16-14 x 5-1/2") |
| 8 | 800-0082 | 4 | #Screw, Cap - Hex Head |
| 9 | 850-0055 | 4 | *#Washer, Lock - Spring (7/16") |
| 10 | 862-0004 | 4 | *#Nut, Hex (7/16-14) |
| 11 | 402-0036 | 4 | Mount, Cylinder - Upper - Spec A Only |
| 12 | 402-0038 | 2 | Mount, Cylinder - Lower - Spec A Only |
| 13 | 402-0046 | 4 | Bushing, Spacer - Spec A Only |
| 14 | 402-0251 | 2 | Mount, Cylinder - Lower - Spec A Only |

* - Parts included in Hardware Package 402-0291.

- Parts included in Hardware Package 402-0327.

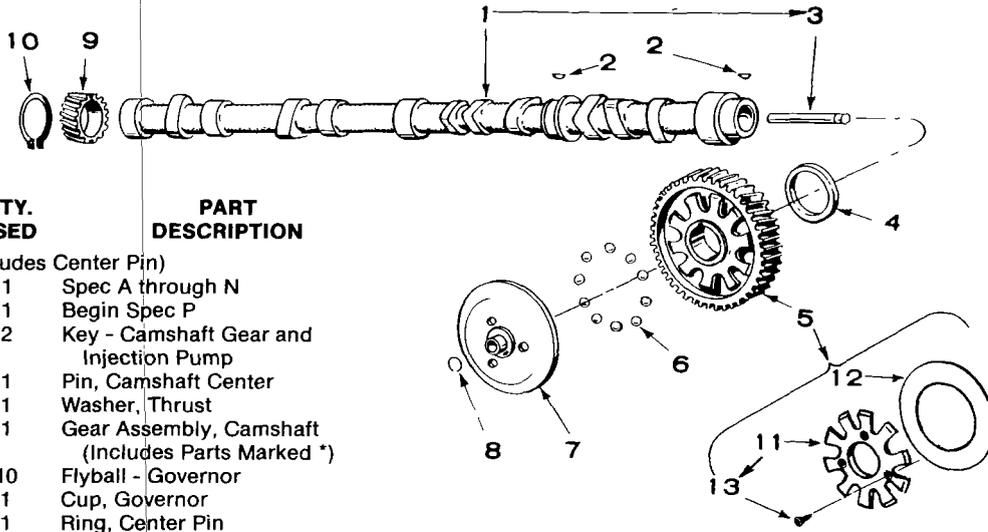
GEARCASE



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|---|----------|-------------------------|-----------|--|
| 1 | 103-0277 | 1 | Gearcase Assembly, Complete (Includes Parts Marked *) | 14 | 134-1532 | 1 | Baffle, Backplate (Not Used on Early Models) |
| 2 | 150-0838 | 1 | *Shaft, Governor | 15 | 815-0347 | 2 | Screw, Flat Head - Gear Cover Backplate Mounting (1/4-20 x 1/2") |
| 2B | 150-0847 | 1 | Arm, Governor - Spec A Thru Q | 16 | 850-0045 | 1 | Lockwasher, Gear Cover Backplate Mounting (5/16") |
| 2C | 815-0176 | 1 | *Screw (#8-32 x 1/2") | 17 | SCREW, HEX CAP 800-0026 | 1 | Gear Cover Backplate Mounting (5/16-18 x 3/4") |
| 2D | 150-1095 | 1 | Arm Assembly, Governor - Begin Spec R | | 800-0028 | 1 | Gear Cover Mounting (5/16-18 x 1") |
| 3 | 516-0111 | 1 | *Pin, Governor Cup Stop | | 110-0879 | 4 | Gear Cover mounting |
| 4 | 150-0777 | 1 | *Yoke, Governor | 18 | 526-0115 | 5 | Washer, Flat - Gear Cover Mounting |
| 5 | 518-0129 | 1 | *Ring, Yoke Retaining | 19 | 850-0025 | 1 | Washer, Lock (#8) |
| 6 | 509-0088 | 1 | *Seal, Governor Shaft | | | | |
| 7 | 510-0048 | 1 | *Bearing, 1/2" Shaft | | | | |
| 8 | 510-0082 | 1 | *Bearing, 1/4" Shaft | | | | |
| 9 | 510-0043 | 1 | *Ball, Governor Shaft Thrust | | | | |
| 10 | 509-0087 | 1 | *Seal | | | | |
| 11 | 103-0251 | 1 | Gasket, Gear Cover | | | | |
| 12 | 103-0218 | 1 | Gasket, Backplate | | | | |
| 13 | 103-0272 | 1 | Backplate | | | | |

* - Included in Gear Cover Assembly.

CAMSHAFT



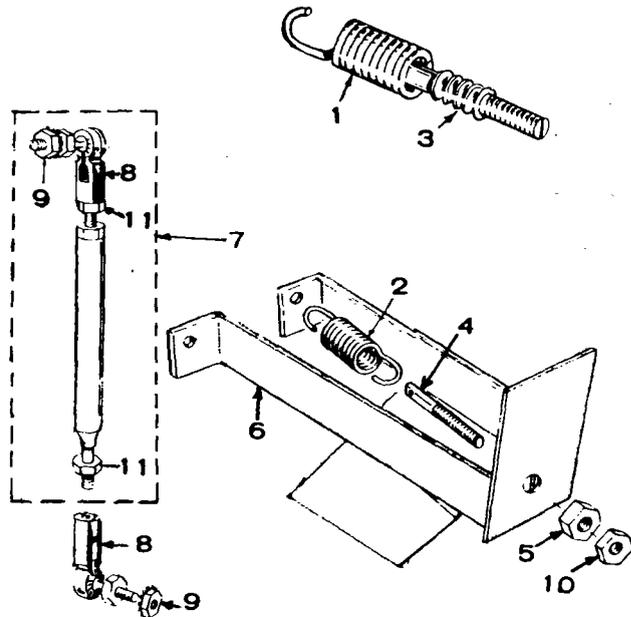
C-1029

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|--------------------------------|-----------|--|
| 1 | CAMSHAFT (Includes Center Pin) | | |
| | 105-0240 | 1 | Spec A through N |
| | 105-0274 | 1 | Begin Spec P |
| 2 | 515-0001 | 2 | Key - Camshaft Gear and Injection Pump |
| 3 | 150-0075 | 1 | Pin, Camshaft Center |
| 4 | 105-0205 | 1 | Washer, Thrust |
| 5 | 105-0218 | 1 | Gear Assembly, Camshaft (Includes Parts Marked *) |
| 6 | 510-0046 | 10 | Flyball - Governor |
| 7 | 150-0775 | 1 | Cup, Governor |
| 8 | 150-0078 | 1 | Ring, Center Pin |
| 9 | 147-0142 | 1 | Gear, Injection Pump Drive |
| 10 | 518-0195 | 1 | Ring, Injection Pump Drive Gear |
| 11 | 150-1842 | 1 | *Kit, Spacer - Governor Flyball (Includes Mounting Screws) |
| 12 | 150-0773 | 1 | *Plate, Governor Flyball |
| 13 | 815-0506 | 3 | *Screw, Spacer Mounting (Special) |

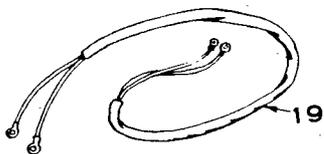
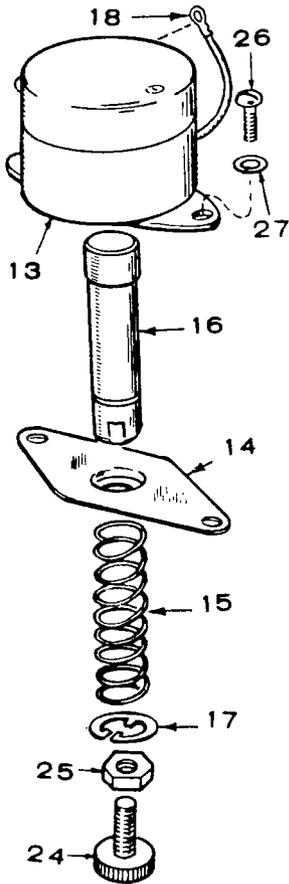
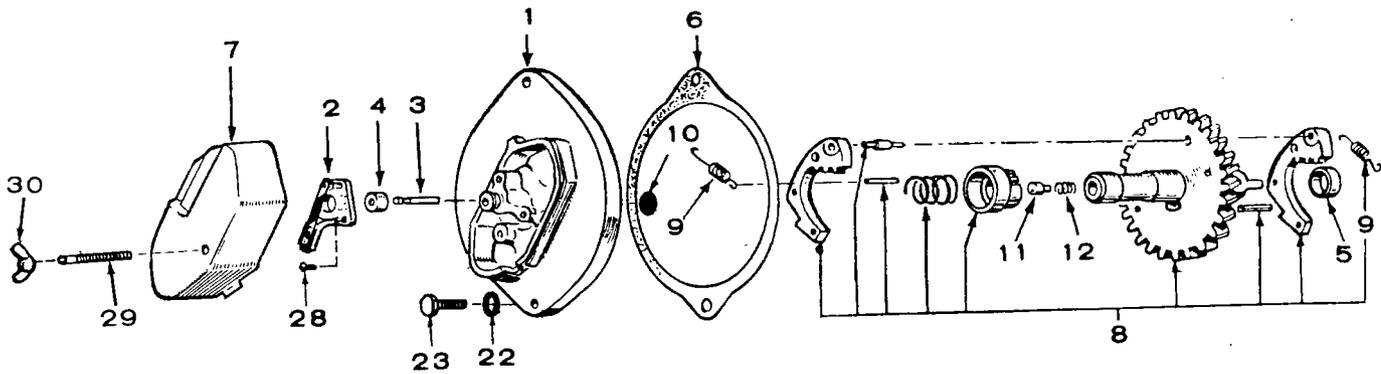
* - Parts Included in 105-0218 Camshaft Gear Assembly.

GOVERNOR

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|------------------|-----------|-------------------------------------|
| 1 | 150-0846 | 1 | Spring, Governor - Spec A through Q |
| 2 | 150-1084 | 1 | Spring, Governor - Begin Spec R |
| 3 | 150-0822 | 1 | Stud, Adjusting - Spec A through Q |
| 4 | 150-1083 | 1 | Stud, Adjusting - Begin Spec R |
| 5 | NUT, ADJUSTING | | |
| | 104-0091 | 1 | Spec A through Q |
| | 862-0011 | 1 | Begin Spec R |
| 6 | BRACKET ASSEMBLY | | |
| | 150-0814 | 1 | Spec A through Q |
| | 150-1110 | 1 | Begin Spec R |
| 7 | LINKAGE ASSEMBLY | | |
| | 150-0831 | 1 | Spec A through Q |
| | 150-1132 | 1 | Begin Spec R |
| 8 | JOINT, BALL | | |
| | 150-0974 | 2 | Spec A through Q Governor End |
| | 150-1358 | 1 | Injection Pump End |
| | 150-0939 | 1 | Injection Pump End |
| 9 | 870-0131 | 2 | Nut, Hex W/ET (10-32) |
| 10 | NUT, LOCKING | | |
| | 870-0130 | 1 | Spec A through Q (3/8-24") |
| | 870-0133 | 1 | Begin Spec R (3/8-16") |
| 11 | 871-0010 | 2 | Nut, Hex (10-32) |

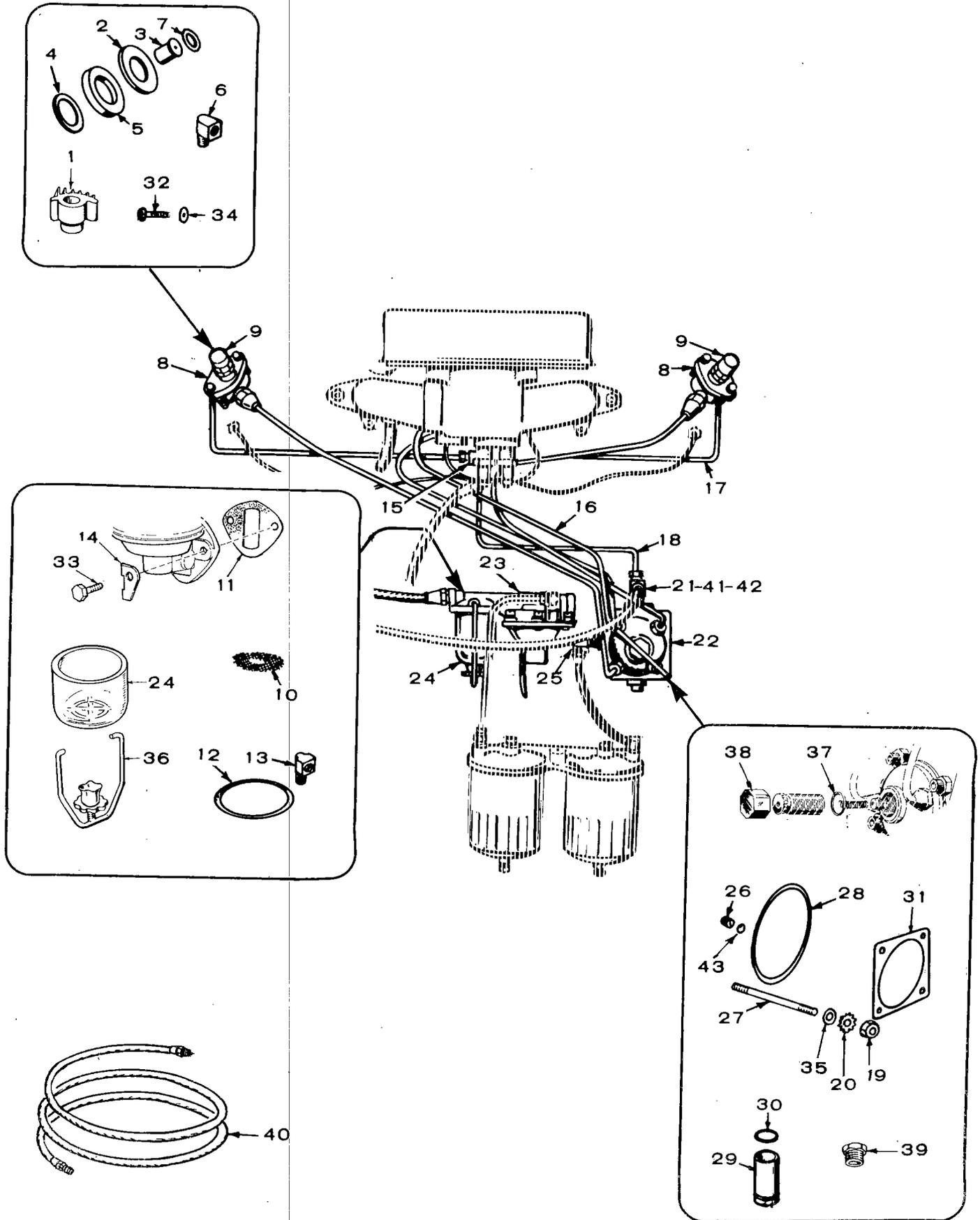


START-DISCONNECT PLATE AND STOP SOLENOID



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|--------------------|-----------|--|
| 1 | 191-0496 | 1 | Plate |
| 2 | 309-0134 | 1 | Switch Assembly |
| 3 | 309-0152 | 1 | Plunger, Switch |
| 4 | 160-0382 | 1 | Diaphragm, Switch Plunger |
| 5 | 160-0720 | 1 | Spacer, Switch Plate |
| 6 | 160-0721 | 1 | Gasket, Plate |
| 7 | 191-0392 | 1 | Cover, Switch Plate |
| 8 | 191-0388 | 1 | Control Assembly, Switch |
| 9 | 160-0711 | 2 | Spring, Weight (Included in Switch Control Assembly) |
| 10 | 160-0806 | 1 | Disc, Thrust Plunger |
| 11 | 160-0774 | 1 | Plunger, Thrust |
| 12 | 160-0773 | 1 | Spring, Thrust Plunger |
| 13 | SOLENOID, STOPPING | | |
| | 307-0628 | 1 | 12 Volt |
| | 307-0668 | 1 | 24 Volt (Optional) |
| 14 | 306-0162 | 1 | Retainer, Solenoid Plunger |
| 15 | 306-0161 | 1 | Spring, Solenoid Plunger |
| 16 | 306-0159 | 1 | Plunger, Solenoid |
| 17 | 518-0203 | 1 | Ring, Snap - Spring Retaining |
| 18 | 336-0706 | 1 | Lead, Ground - Solenoid |
| 19 | 338-0264 | 1 | Harness, Wiring - Switch Plate to Control |
| 20 | 336-1347 | 1 | Lead, Solenoid to Control |
| 22 | 850-0050 | 2 | Washer, Lock (3/8") - Plate Mounting |
| 23 | 800-0052 | 2 | Screw, Hex Cap - Plate Mounting (3/8-16 x 1-1/2") |
| 24 | 306-0242 | 1 | Screw (1/4-20 x 1") - Plunger Adjustment |
| 25 | 862-0001 | 1 | Nut, Hex (1/4-20) |
| 26 | 812-0150 | 2 | Screw (1/4-20 x 5/8") - Solenoid Mounting |
| 27 | 850-0040 | 2 | Washer, Lock (1/4) |
| 28 | 815-0201 | 2 | Screw (8-32 x 3/8") - Switch Assembly to Plate |
| 29 | 520-0347 | 1 | Stud, Steel - Cover Mounting (10-32 x 1-5/8") |
| 30 | 865-0011 | 1 | Nut, Wing (10-32) |

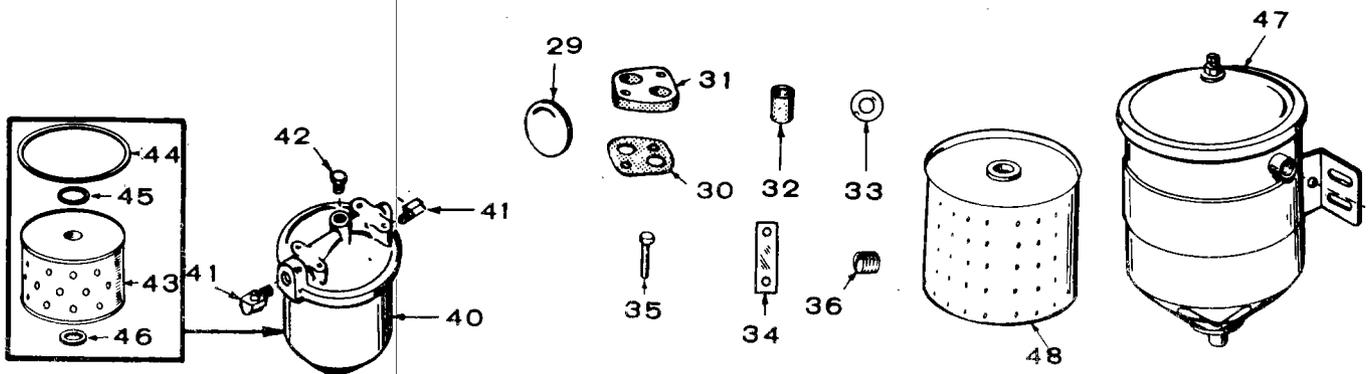
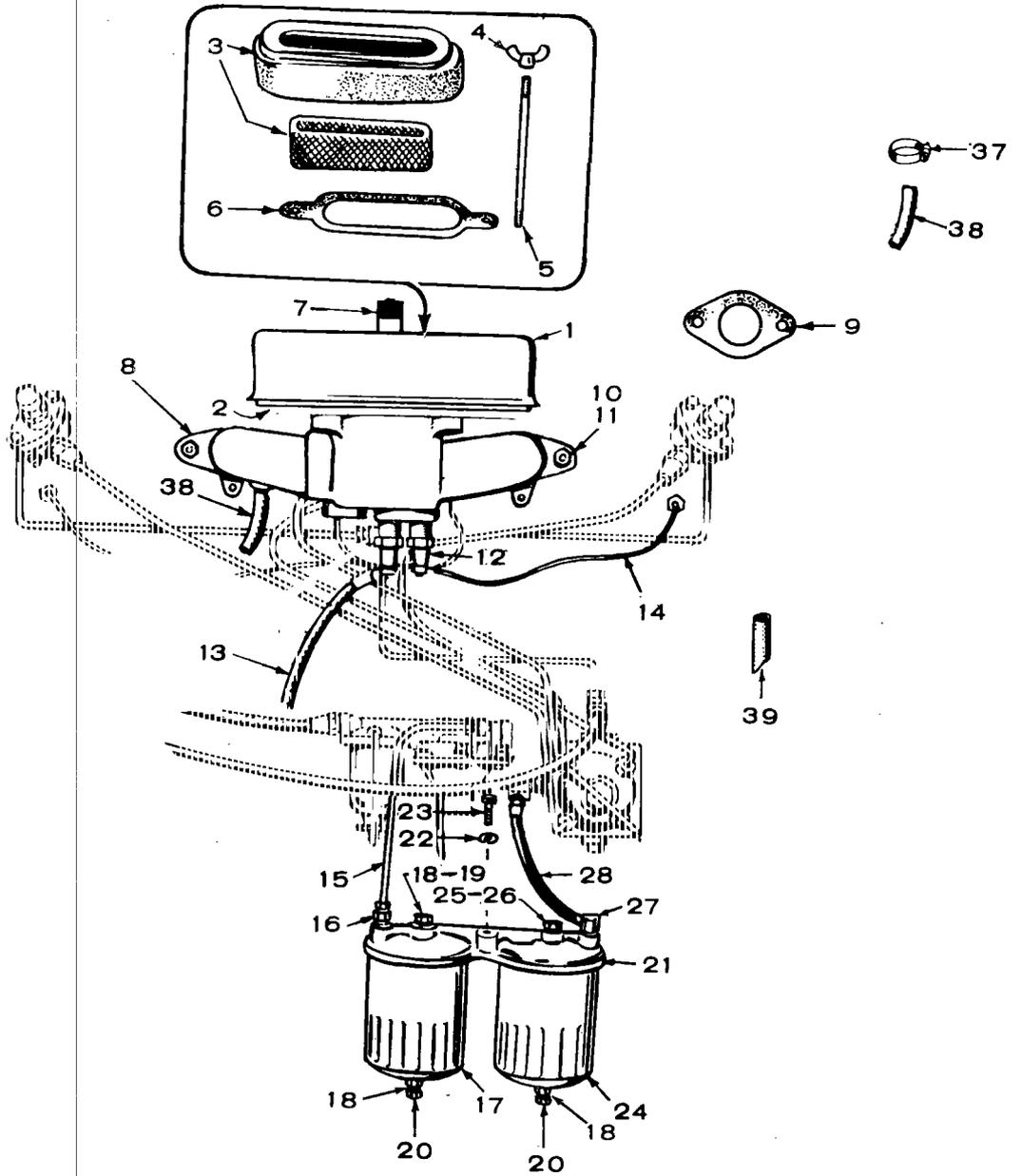
FUEL PUMP AND INJECTION SYSTEM



FUEL PUMP AND INJECTION SYSTEM

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|--|-----------|---|----------|--|---|--|
| | 149-1046 | 1 | Repair Kit, Fuel Pump (Includes Diaphragm and Gaskets) Note: Does not apply for AC pumps | 22 | PUMP, INJECTION - FUEL | | |
| 1 | ADAPTER, INJECTION NOZZLE | | | 147-0232 | 1 | Begin Spec R (Includes Buttons 1,2,12,13) | |
| | 147-0132 | 2 | Number 2 and 4 Cylinders | 147-0231 | 1 | Specs A Through Q (Includes Buttons 1,2,12,13 and Injection Lines) | |
| | 147-0133 | 2 | Number 1 and 3 Cylinders | 23 | 149-1704 | 1 | Pump, Transfer - Fuel |
| 2 | 147-0043 | 4 | Gasket, Nozzle Heat Shield (Asbestos) | 24 | BOWL, FUEL PUMP - GLASS (Measure for Correct Length) | | |
| 3 | 147-0268 | 4 | Nozzle Only (Component of Nozzle and Holder Assembly) | 149-0116 | 1 | 2-3/8" Long | |
| 4 | 110-0419 | 4 | Gasket, Nozzle Heat Shield to Head (Copper) | 149-1168 | 1 | 1-5/8" Long | |
| 5 | 147-0044 | 4 | Shield, Nozzle Heat (Steel) | 25 | ELBOW, INJECTION PUMP INLET | | |
| 6 | ELBOW, INVERTED - FUEL RETURN LINE | | | 502-0039 | 1 | Begin Spec S | |
| | 502-0065 | 2 | 45° - Number 1 and 4 Cylinders | 502-0054 | 1 | Specs A Through R | |
| | 502-0002 | 2 | 90° - Numbers 2 and 3 Cylinders | 26 | BUTTON, INJECTION PUMP PLUNGER | | |
| 7 | 147-0243 | 4 | Gasket, Nozzle | 147-0147 | 1 | .119 - Marked 1 or A | |
| 8 | 147-0141 | 4 | Flange, Injection Nozzle Hold-down | 147-0148 | 1 | .116 - Marked 2 or B | |
| 9 | 147-0136 | 4 | Nozzle and Holder Assembly | 147-0149 | 1 | .113 - Marked 3 or C | |
| 10 | 149-0463 | 1 | Screen, Fuel Pump Filter | 147-0150 | 1 | .110 - Marked 4 or D | |
| 11 | 149-0792 | 1 | Gasket, Fuel Transfer Pump Mounting | 147-0151 | 1 | .107 - Marked 5 or E | |
| 12 | 149-0517 | 1 | Gasket, Fuel Pump Bowl | 147-0161 | 1 | .104 - Std. Marked 11 or No Mark | |
| 13 | 502-0002 | 2 | Elbow, Fuel Pump Inlet and Outlet | 147-0152 | 1 | .101 - Marked 6 or F | |
| 14 | 149-1307 | 2 | Washer, Flange - Fuel Pump Mounting | 147-0153 | 1 | .098 - Marked 7 or H | |
| 15 | 502-0245 | 1 | Adapter, Return Lines | 147-0154 | 1 | .095 - Marked 8 of J | |
| 16 | LINE, INJECTION PUMP TO NOZZLE | | | 147-0155 | 1 | .092 - Marked 9 or K | |
| | | | Begin Spec R | 147-0156 | 1 | .089 - Marked 10 or L | |
| | 149-1150 | 1 | Number 1 Cylinder | 147-0190 | 1 | .122 - Marked 12 or M | |
| | 149-1151 | 1 | Number 2 Cylinder | 147-0189 | 1 | .125 - Marked 13 or N | |
| | 149-1152 | 1 | Number 3 Cylinder | 147-0188 | 1 | .128 - Marked 14 or P | |
| | 149-1153 | 1 | Number 4 Cylinder | 147-0187 | 1 | .131 - Marked 15 or R | |
| | | | Specs A Through Q | 147-0186 | 1 | .134 - Marked 16 or S | |
| | 149-0963 | 1 | Number 1 Cylinder | 27 | 520-0129 | 4 | Stud, Injection Pump Mounting |
| | 149-0964 | 1 | Number 2 Cylinder | 28 | 509-0094 | 1 | Seal, O-Ring - Injection Pump to Crankcase |
| | 149-0965 | 1 | Number 3 Cylinder | 29 | 147-0182 | 1 | Tappet, Injection Pump |
| | 149-0966 | 1 | Number 4 Cylinder | 30 | 147-0196 | 1 | Gasket, O-Ring - Injection Pump Tappet |
| 17 | LINE, NOZZLE FUEL RETURN | | | 31 | 147-0145 | 1 | Shim Kit, Injection Pump Mtg. |
| | | | Begin Spec P | 32 | 800-0508 | 8 | Screw, Cap - Hex Head (5/16-18 x 2-3/4") |
| | 149-1060 | 1 | Number 1 Cylinder | 33 | 800-0027 | 2 | Screw, Cap - Hex Head (5/16-18 x 7/8") |
| | 149-1059 | 2 | Number 2 and 3 Cylinders | 34 | 526-0122 | 8 | Washer, Flat (11/32 ID x 23/32 OD x 10 GA) |
| | 149-1061 | 1 | Number 4 Cylinder | 35 | 526-0022 | 4 | Washer, Flat (21/64 ID x 9/16 OD x 1/16 Thk) |
| | | | Specs A Through N | 36 | BAIL, FUEL PUMP BOWL (Measure for Correct Length) | | |
| | 149-0909 | 1 | Number 1 Cylinder | 149-1006 | 1 | 3-5/8" Long | |
| | 149-0908 | 2 | Number 2 and 3 Cylinders | 149-1169 | 1 | 2-7/8" Long | |
| | 149-0910 | 1 | Number 4 Cylinder | 37 | 147-0254 | 1 | Gasket, Delivery Valve Cap |
| 18 | LINE INJECTION PUMP TO FUEL RETURN LINES TEE | | | 38 | 147-0253 | 1 | Cap, Delivery Valve |
| | 149-1062 | 1 | Begin Spec P | 39 | 502-0176 | 1 | Adapter, Pipe - Bleeder Valve to Pump (Early Models) |
| | 149-0949 | 1 | Specs A Through N | 40 | 501-0007 | 2 | Line, Fuel |
| 19 | 110-0445 | 4 | Nut, Hex | 41 | 502-0048 | 1 | Tee, Return Line (Early Models) |
| 20 | 850-0045 | 6 | Washer, Lock - Spring (5/16") | 42 | 502-0029 | 1 | Bushing, Pipe - Return Line Tee to Pump (Early Models) |
| 21 | 147-0183 | 1 | Valve, Bleeder - Injection Pump | 43 | 147-0259 | 1 | Ring, Retaining - Timing Button |

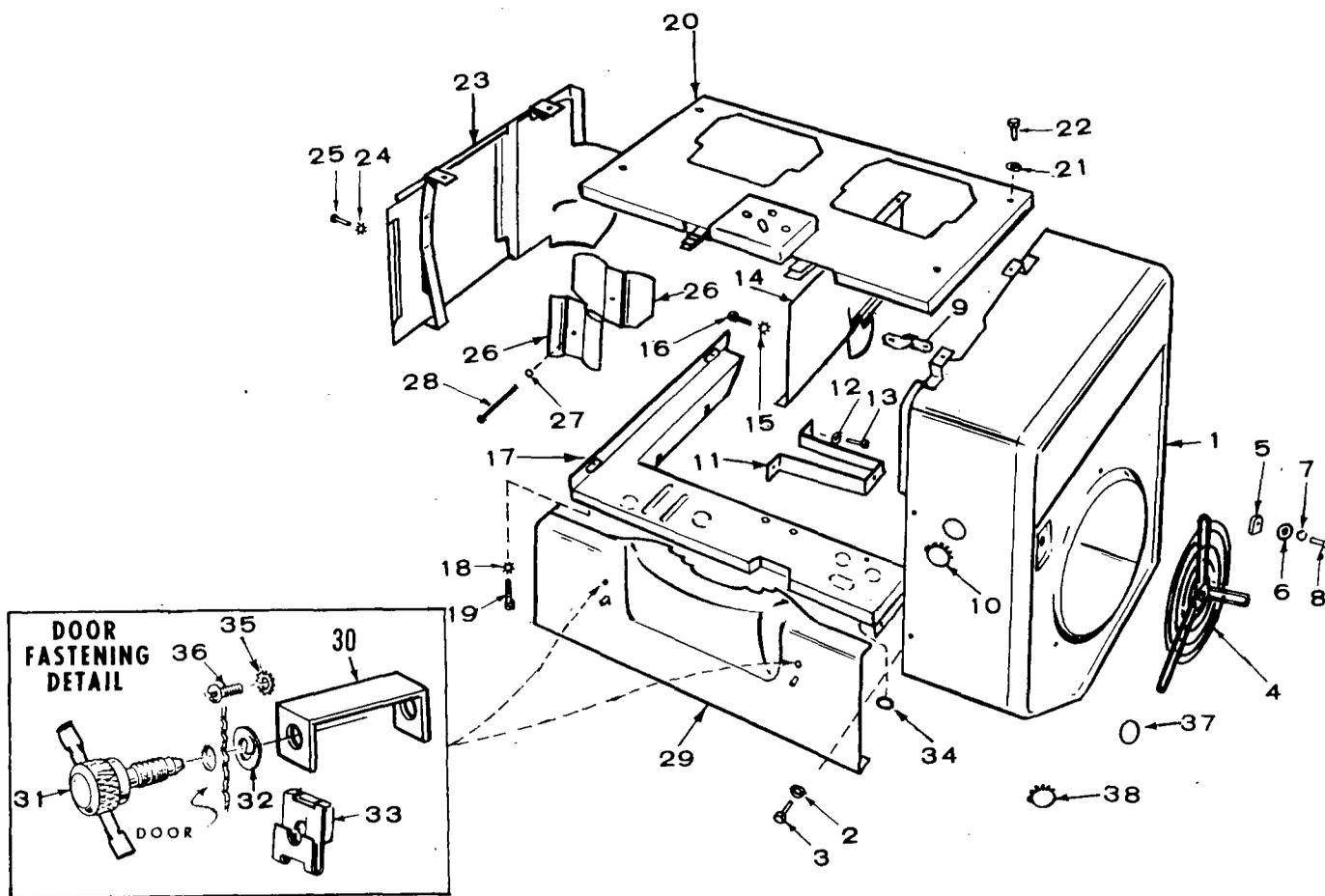
AIR CLEANER AND FUEL FILTER



AIR CLEANER AND FUEL FILTER

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|--------------------------------|-----------|--|----------|---------------------------------------|-----------|---|
| 1 | COVER, AIR CLEANER 140-1194 | 1 | Begin Spec T (Sets With Restriction Indicator) | 26 | 801-0053 | 1 | Screw, Cap - Hex Head (3/8-24 x 2") |
| | 140-0594 | 1 | Specs A through S (Sets Without Restriction Indicator) | 27 | 502-0099 | 1 | Elbow, Reducer - Secondary Fuel Filter Outlet |
| 2 | 140-0595 | 1 | Pan, Air Cleaner | 28 | LINE, FUEL - FILTER TO INJECTION PUMP | | |
| 3 | 140-0636 | 1 | Element, Air Cleaner (Includes Retainer) | 501-0129 | | 1 | Begin Spec S |
| 4 | 865-0020 | 2 | Nut, Wing | 501-0091 | | 1 | Specs A Through R |
| 5 | 520-0621 | 2 | Stud, Air Cleaner | 29 | 517-0104 | 1 | Plug, Core Hole |
| 6 | 140-0584 | 1 | Gasket, Air Cleaner | | | | Intake Manifold - Begin Spec R |
| 7 | 140-0961 | 1 | Indicator, Restriction | 30 | 140-0706 | 1 | Gasket, Manifold Heater |
| 8 | 154-1378 | 1 | Manifold, Intake | | | | Insulator |
| 9 | 154-0733 | 2 | Gasket, Intake Manifold | 31 | 140-0705 | 1 | Plate, Manifold Heater Mtg. |
| 10 | STUD, MANIFOLD MOUNTING | | | 32 | 508-0103 | 2 | Sleeve, Insulator - Manifold Heater |
| | 520-0011 | 2 | 1-7/16" Long | 33 | 508-0102 | 2 | Washer, Insulator - Manifold Heater |
| | 520-0338 | 2 | 2-7/8" Long | | | | |
| 11 | 870-0137 | 4 | Nut, Hex - Locking (5/16-24) | 34 | 332-0829 | 1 | Strap, Jumper - Manifold Heater |
| 12 | 154-0712 | 2 | Heater, Manifold - 12 Volt (Includes Gasket) | | | | |
| 13 | 336-1331 | 1 | Lead, Air Heater to Solenoid in Control | 35 | 114-0023 | 2 | Screw, Cap - Hex Head (1/4-20 x 1-1/4") Manifold Heater Mounting |
| 14 | LEAD, GLOW PLUG TO AIR HEATER | | | 36 | 505-0180 | 1 | Plug, Intake Manifold (1/4" Countersunk) |
| | | | Blade Type Terminal (Used on Late Models) | 37 | 503-0171 | 1 | Clamp, Breather Hose |
| | 336-1504 | 2 | Number 1 and 4 Cylinders | | | | Specs A Through R |
| | 336-1505 | 2 | Number 2 and 3 Cylinders | 38 | 503-0328 | 1 | Hose, Breather |
| | | | Round Type Terminal (Used on Early Models) | | | | Specs A Through R |
| | 336-1314 | 1 | Number 1 Cylinder | 39 | 123-0732 | 1 | Tube, Nylon - Breather |
| | 336-1313 | 2 | Number 2 and 3 Cylinder | | | | Hose to Manifold |
| | 334-0030 | 1 | Number 4 Cylinder | | | | Specs A Through R |
| 15 | LINE, FUEL PUMP TO FILTER | | | 40 | 149-0408 | 1 | Filter, Fuel - Secondary (Includes Cartridge) - Specs A Through R |
| | 149-1189 | 1 | Begin Spec S | | | | |
| | 149-0806 | 1 | Specs A through R | 41 | 502-0041 | 2 | Elbow, Inverted Male |
| 16 | 502-0003 | 1 | Connector, Primary Fuel Filter Inlet - Begin Spec S | | | | Specs A Through R |
| 17 | 122-0325 | 1 | Filter, Fuel - Primary | 42 | 149-0769 | 1 | Plug, Bleed - Secondary |
| | | | Includes 1-526-0068 | | | | Filter - Specs A Through R |
| | | | Begin Spec S | 43 | 149-0428 | 1 | Cartridge, Secondary Filter |
| 18 | 526-0068 | 3 | Washer, Flat (29/64" ID x 3/4" OD x 1/16" Thk) - Begin Spec S | | | | Specs A Through R |
| 19 | 801-0074 | 1 | Screw, Cap - Hex Head (7/16-20 x 1-3/4") - Begin Spec S | 44 | 149-0456 | 1 | Gasket, Secondary Filter Bowl to Cover - Specs A Through R |
| 20 | 502-0080 | 2 | Plug, Drain - Fuel Filter | 45 | 149-0455 | 1 | Gasket, Secondary Filter Cartridge to Head - Specs A Through R |
| | | | Begin Spec S | 46 | 149-0493 | 1 | Gasket, Secondary Filter Cartridge to Retainer |
| 21 | 149-1185 | 1 | Adapter, Fuel Filters - Begin Spec S | | | | Specs A Through R |
| 22 | 850-0045 | 3 | Washer, Lock - Spring (5/16") - Begin Spec S | 47 | 149-1078 | 1 | Filter, Fuel - Mounted |
| 23 | 800-0026 | 3 | Screw, Cap - Hex Head (5/16-18 x 3/4") - Begin Spec S | | | | Between Fuel Tank and Transfer Pump |
| 24 | 122-0326 | 1 | Filter, Fuel - Secondary - Includes 526-0068 - Begin Spec S | 48 | 149-0846 | 1 | Cartridge (For 149-1078 Filter) - Specs A Through R |
| 25 | 526-0066 | 1 | Washer, Flat (25/64" ID x 9/16" OD x 1/16" Thk) - Begin Spec S | | | | |

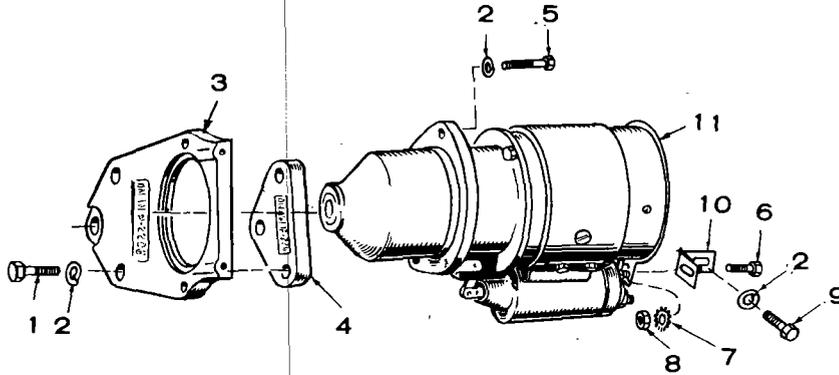
AIR HOUSING



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|--|-----------|---|
| 1 | 134-1447 | 1 | Housing, Blower |
| 2 | 854-0014 | 6 | Washer, Lock - IT (1/4") |
| 3 | 815-0235 | 6 | Screw, Cap - Hex Head (1/4-20 x 5/8") |
| 4 | 134-1178 | 1 | Grille and Plate |
| 5 | 134-1092 | 3 | Retainer, Grille |
| 6 | 526-0115 | 3 | Washer, Flat (.200" ID x 3/8" OD x 1/32" Thk) |
| 7 | 850-0040 | 3 | Washer, Lock - Spring (1/4") |
| 8 | 800-0007 | 3 | Screw, Cap - Hex Head (1/4-20 x 1") |
| 9 | BRACKET, BLOWER HOUSING AND CYLINDER AIR HOUSING COVER | | |
| | 134-1703 | 1 | Front |
| | 134-1704 | 1 | Back |
| 10 | 517-0035 | 1 | Plug, Dot Button - Begin Spec R |
| 11 | 134-1088 | 1 | Support, Blower Housing and Grille |
| 12 | 850-0045 | 2 | Washer, Lock - Spring (5/16") |
| 13 | 800-0024 | 2 | Screw, Cap - Hex Head (5/16-18 x 1/2") |
| 14 | 134-1449 | 1 | Housing, Cylinder Air - Front |
| 15 | 850-0040 | 4 | Washer, Lock - Spring (1/4") |
| 16 | 815-0235 | 4 | Screw, Cap - Hex Head (1/4-20 x 5/8") |
| 17 | PAN, CYLINDER AIR HOUSING (BOTTOM) | | |
| | 134-1418 | 1 | Begin Spec T |
| | 134-1418 | 1 | Specs A through R |
| 18 | 854-0014 | 2 | Washer, Lock - IT (1/4") |

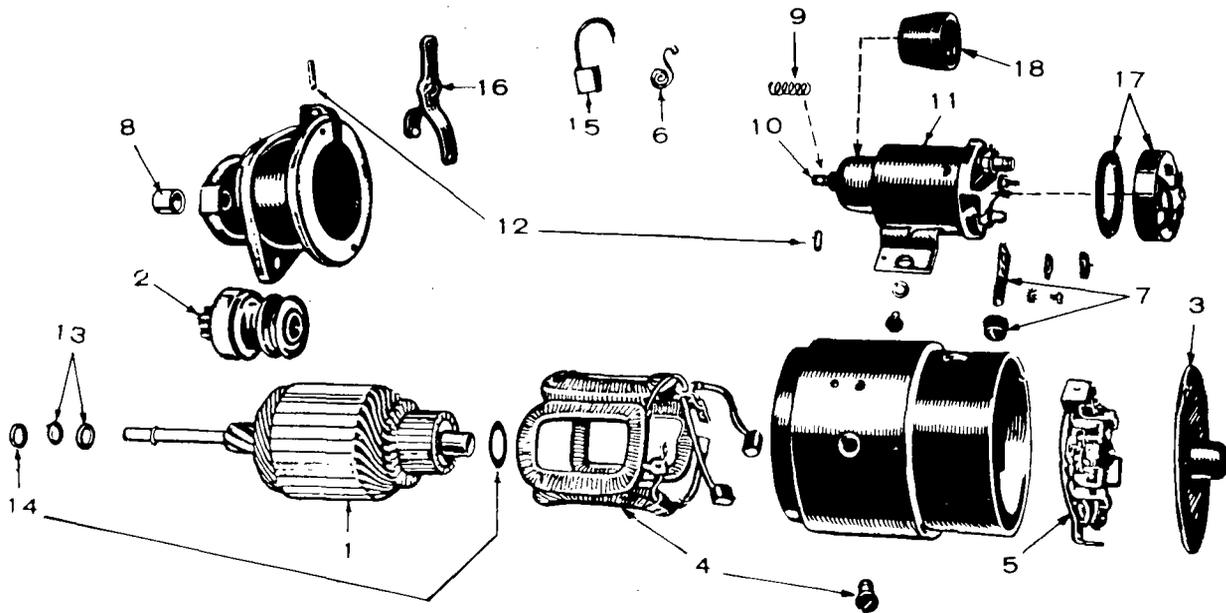
| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|------------------------|-----------|---|
| 19 | 815-0235 | 2 | Screw, Cap - Hex Head (1/4-20 x 5/8") |
| 20 | 134-1200 | 1 | Cover, Cylinder Air Housing |
| 21 | 526-0021 | 4 | Washer, Flat (17/64" ID x 3/4" OD x 1/16" Thk) |
| 22 | 800-0004 | 4 | Screw, Cap - Hex Head (1/4-20 x 5/8") |
| 23 | 134-1051 | 1 | Housing, Cylinder Air - Rear |
| 24 | 854-0010 | 2 | Washer, Lock - IT (#10) |
| 25 | 813-0097 | 2 | Screw, Machine - Round Head (#10-32 x 5/16") |
| 26 | BAFFLE CENTER CYLINDER | | |
| | 134-1097 | 1 | Injection Pump Side |
| | 134-1098 | 1 | Opposite Side of Injection Pump |
| 27 | 854-0014 | 1 | Washer, Lock - IT (1/4") |
| 28 | 812-0165 | 1 | Screw, Machine - Round Head (1/4-20 x 4-1/2") |
| 29 | 134-1202 | 1 | Panel, Door - Air Housing |
| 30 | 134-1089 | 2 | Bracket, Air Housing Door |
| 31 | 134-1373 | 2 | Screw, Door Panel (Special) |
| 32 | 134-1180 | 4 | Washer, Retainer - Door Panel (Also 8 used on top cover on some early models) |
| 33 | 870-0194 | 6 | Nut, Clinch (1/4-20) Door Panel and Cover |
| 34 | 508-0005 | 2 | Grommet, Rubber (9/16") |
| 35 | 853-0008 | 4 | Washer, Lock - ET (#8) |
| 36 | 813-0098 | 4 | Screw, Machine - Round Head (#10-32 x 3/8") |
| 37 | 508-0117 | 1 | Grommet, Rubber |
| 38 | 517-0108 | 2 | Plug, Dot Button |

STARTER (PRESTOLITE)



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|--|-----------|--|
| 1 | 800-0053 | 1 | SCREW, CAP - HEX HEAD 3/8-16 x 1-3/4" |
| | 800-0054 | 2 | 3/8-16 x 2" |
| 2 | 850-0050 | 7 | Washer, Lock - Spring (3/8") |
| 3 | 191-0512 | 1 | Flange, Mounting |
| 4 | 191-0311 | 1 | Spacer, Flange |
| 5 | 800-0051 | 2 | Screw, Cap - Hex Head (3/8-16 x 1-1/4") |
| 6 | 800-0046 | 1 | Screw, Cap - Hex Head (3/8-16 x 1/2") |
| 7 | 856-0010 | 1 | Washer, Lock - EIT (3/8") |
| 8 | 864-0003 | 1 | Nut, Hex (3/8-16) |
| 9 | 800-0052 | 2 | Screw, Cap - Hex Head (3/8-16 x 1-1/2") |
| 10 | 191-0365 | 1 | Bracket, Support |
| 11 | STARTER (See Separate Page for Components) | | |
| | | | Spec A Through AC |
| | 191-0324 | 1 | 12 Volt DC Sets |
| | 191-0443 | 1 | 24 and 32 Volt DC Sets |
| | 191-0443 | 1 | Begin Spec AD - 24 and 32 Volt DC Sets |

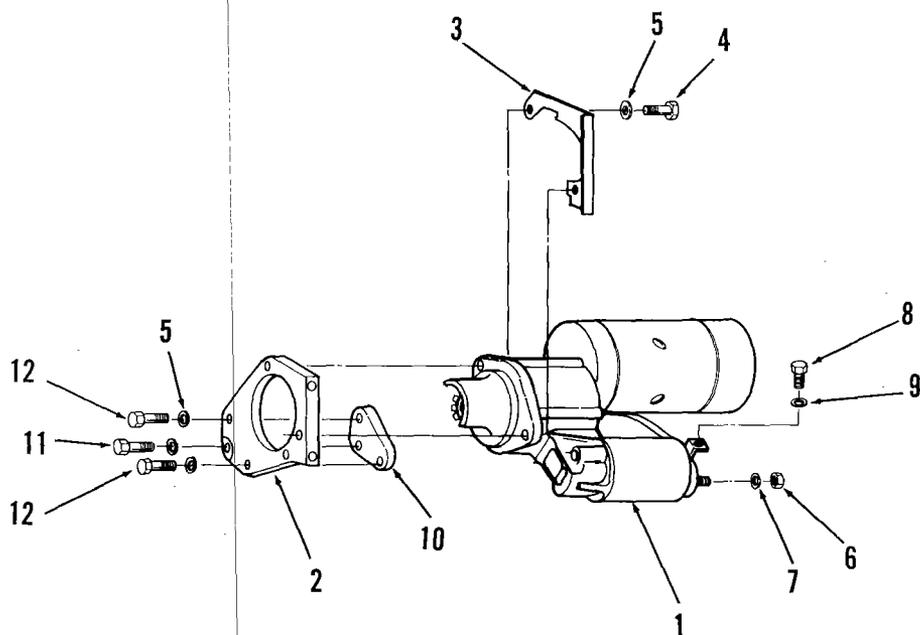
STARTER PARTS (PRESTOLITE)



ES-1098

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|-----------------------|-----------|-------------------------------|----------|--------------------|-----------|---|
| | STARTER | | | 9 | 191-1027 | 1 | Spring, Plunger |
| | 191-0324 | 1 | 12 Volt DC Sets | 10 | 191-1028 | 1 | Core Assembly, Moving |
| | 191-0443 | 1 | 24 and 32 Volt DC Sets | 11 | SWITCH, SOLENOID | | |
| 1 | ARMATURE | | | | 191-0433 | 1 | 12 Volt DC Sets |
| | 191-0712 | 1 | 12 Volt DC Sets | | 191-0715 | 1 | 24 and 32 Volt DC Sets |
| | 191-0713 | 1 | 24 and 32 Volt DC Sets | 12 | 191-1029 | 1 | Parts Package, Yoke |
| 2 | 191-0432 | 1 | Clutch | 13 | 191-1030 | 1 | Stop and Lock Ring Package, Pinion |
| 3 | 191-1023 | 1 | Head Assembly, Commutator End | 14 | 191-1031 | 1 | Thrust Washer Package, Armature (Use as Required) |
| 4 | COIL PACKAGE, FIELD | | | 15 | BRUSH SET, SERVICE | | |
| | 191-1024 | 1 | 12 Volt DC Sets | | 191-0434 | 1 | 12 Volt DC Sets |
| | 191-1043 | 1 | 24 and 32 Volt DC Sets | | 191-0714 | 1 | 24 and 32 Volt DC Sets |
| 5 | PLATE ASSEMBLY, BRUSH | | | 16 | 191-1032 | 1 | Yoke |
| | 191-1025 | 1 | 12 Volt DC Sets | 17 | 191-0468 | 1 | Cover, Solenoid |
| | 191-1042 | 1 | 24 and 32 Volt DC Sets | 18 | 191-1134 | 1 | Boot, Rubber - Part of Moving Core Assembly |
| 6 | 191-1020 | 1 | Spring Set, Brush (Set of 4) | | | | |
| 7 | 191-1263 | 1 | Connector Package | | | | |
| 8 | 191-0497 | 1 | Bearing (Bronze), Drive End | | | | |

STARTER (MITSUBISHI)

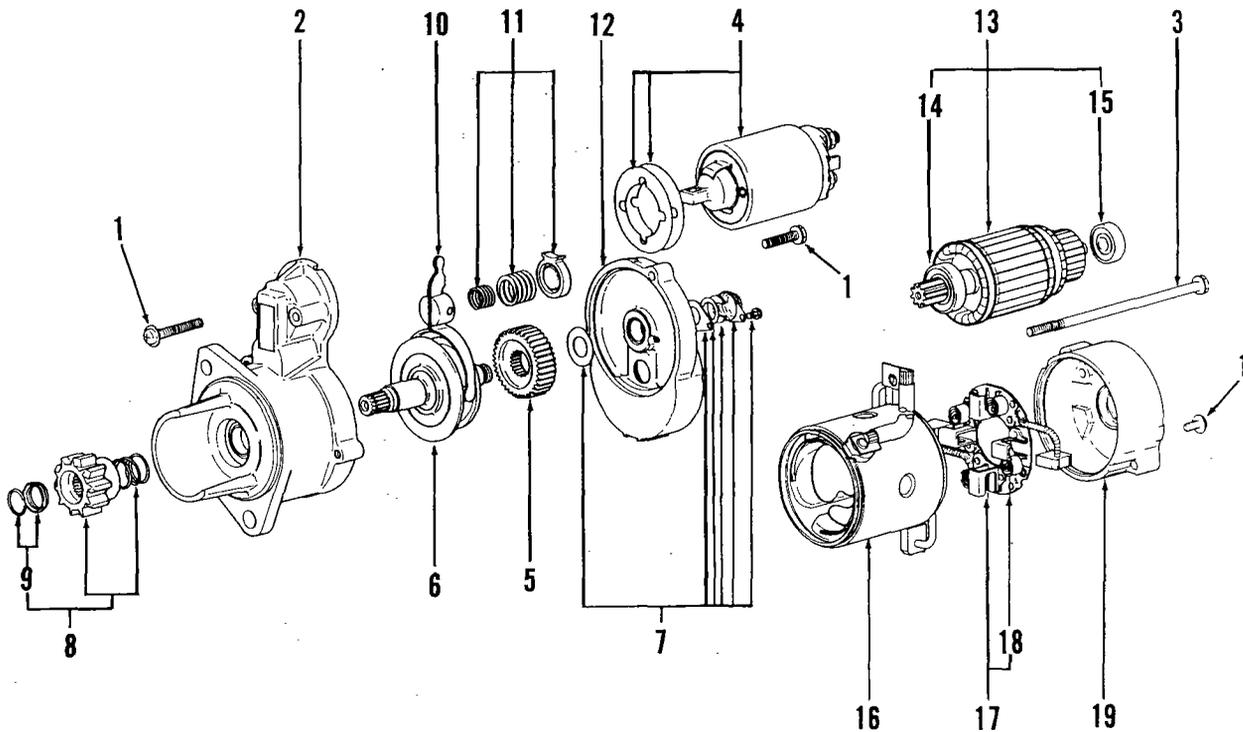


XES-1359

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|--|
| 1 | 191-1399 | 1 | Starter - Begin Spec AD - 12 Volt DC Sets (See Separate Page for Components) (Includes Parts Marked *) |
| 2 | 191-1400 | 1 | Flange, Starter Mounting |
| 3 | 134-4154 | 1 | Baffle, Starter |
| 4 | 800-0051 | 2 | Screw, Cap - Hex Head (3/8-16 x 1-1/4") |
| 5 | 850-0050 | 5 | Washer, Lock - Spring (3/8") |
| 6 | 860-2008 | 1 | *Nut, Hex (M8) B+ Terminal |
| 7 | 850-2008 | 1 | *Washer, Lock - Spring (M8) B+ Terminal |
| 8 | 800-2000 | 1 | *Screw, Cap - Hex Head (M5 x 8MM) Solenoid Terminal |
| 9 | 850-2005 | 1 | *Washer, Lock - Spring (M5) Solenoid Terminal |
| 10 | 191-0311 | 1 | Spacer, Flange |
| 11 | 800-0053 | 1 | Screw, Cap - Hex Head (3/8-16 x 1-3/4") |
| 12 | 800-0054 | 2 | Screw, Cap - Hex Head (3/8-16 x 2") |

* - Parts Included With 191-1399 Starter

STARTER PARTS (MITSUBISHI)



XES-1361

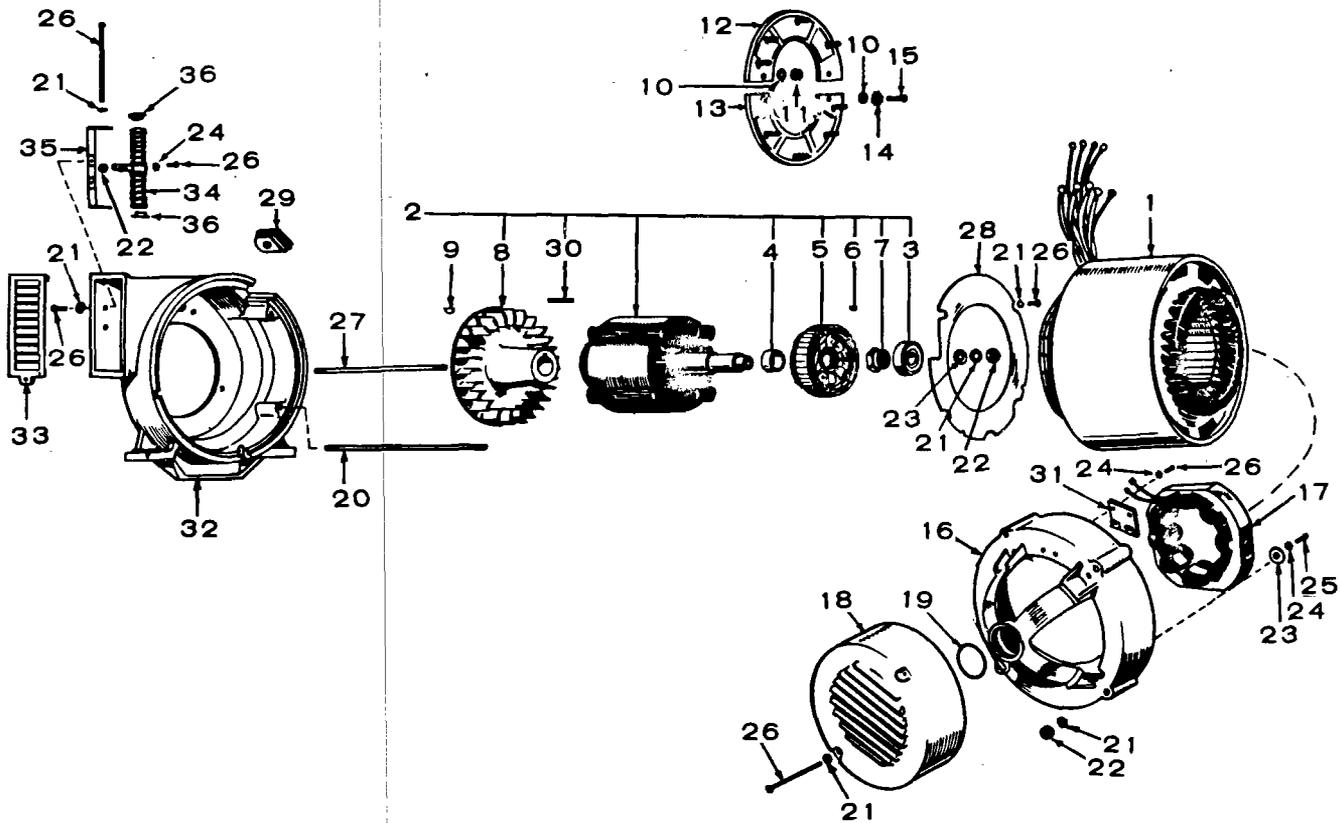
| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|---|
| | 191-1399 | 1 | Starter (12 Volt DC Sets) |
| 1 | 191-1450 | 1 | Screw Set |
| 2 | 191-1479 | 1 | Bracket, Front - Includes Bearing |
| 3 | 191-1431 | 1 | Bolt Set |
| 4 | 191-1486 | 1 | Switch |
| 5 | 191-1446 | 1 | Gear |
| 6 | 191-1482 | 1 | Clutch |
| 7 | 191-1444 | 1 | Cover Set |
| 8 | 191-1483 | 1 | Pinion Set (Includes Parts Marked *) |
| 9 | 191-1442 | 1 | *Stopper Set |
| 10 | 191-1484 | 1 | Lever |
| 11 | 191-1440 | 1 | Spring Set |
| 12 | 191-1439 | 1 | Bracket, Center |
| 13 | 191-1438 | 1 | Armature Assembly (Includes Parts Marked #) |
| 14 | 191-1437 | 1 | #Bearing, Center |
| 15 | 191-1436 | 1 | #Bearing, Rear |
| 16 | 191-1485 | 1 | Yoke - Includes Pole Shoes, Field Coil and Positive Brushes |
| 17 | 191-1434 | 1 | Holder Assembly, Brush (Includes Negative Brushes and Parts Marked ‡) |
| 18 | 191-1433 | 4 | ‡Spring, Brush |
| 19 | 191-1432 | 1 | Bracket, Rear |

* - Parts Included in 191-1483 Pinion Set

- Parts Included in 191-1438 Armature Assembly

‡ - Parts Included in 191-1434 Brush Holder Assembly

GENERATOR - BEGIN SPEC AA



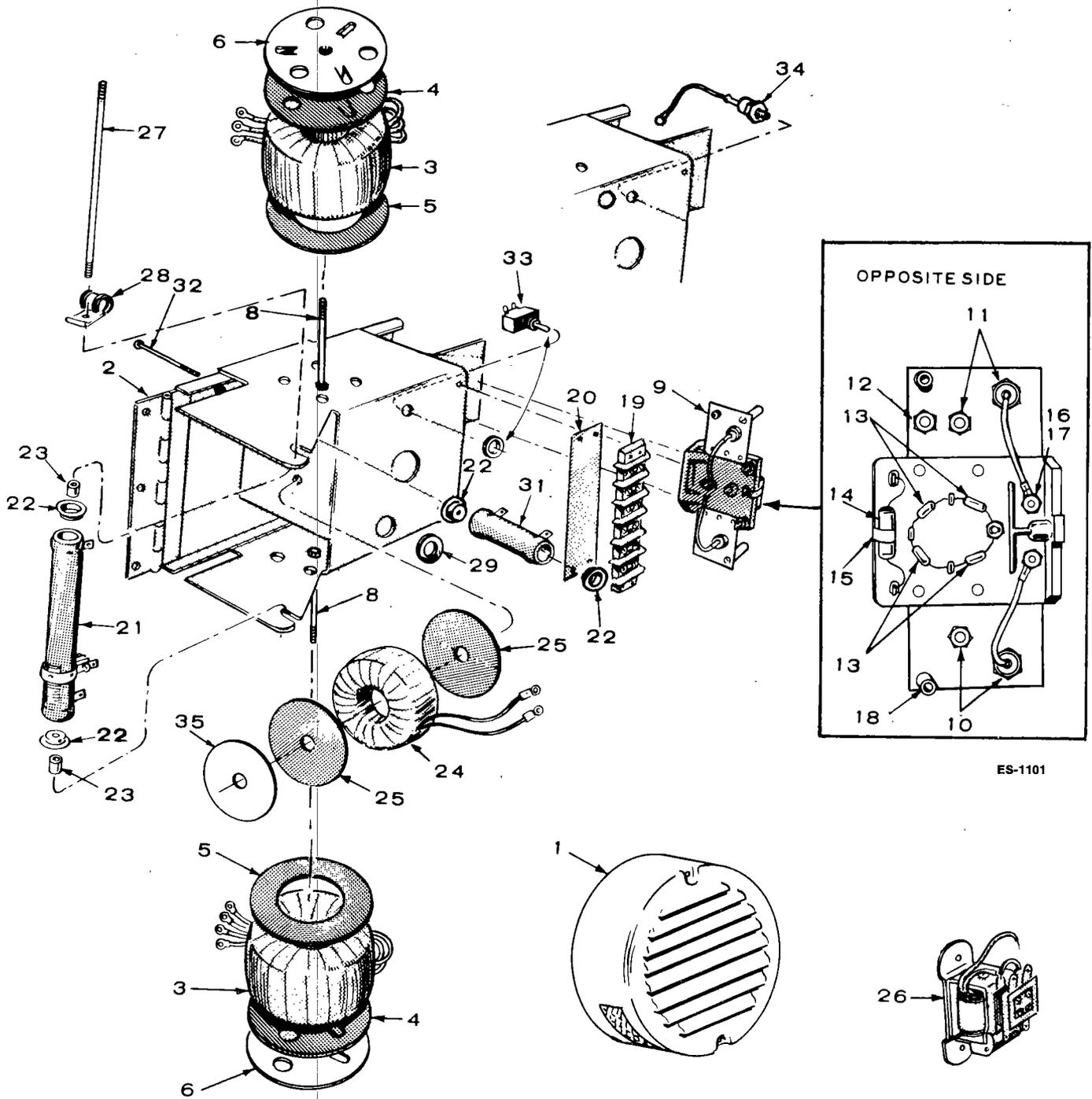
| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|---------------|-----------|---|----------|-----------------------------|-----------|--|
| 1 | STATOR, WOUND | | | 18 | COVER, END BELL | | |
| | 220-2025 | 1 | 1 Phase, 50 Hertz (AC) - 12 Volt (DC) | | 234-0185 | 1 | Unhoused Sets |
| | 220-2207 | 1 | 1 Phase, 50 Hertz (AC) - 24 Volt (DC) | | 234-0223 | 1 | Housed Sets |
| | 220-2232 | 1 | 1 Phase, 50 Hertz (AC) - 32 Volt (DC) | | 234-0498 | 1 | Housed and Unhoused Sets with Overspeed Switch |
| | 220-2017 | 1 | 1 Phase, 60 Hertz (AC) - 12 Volt (DC) | 19 | 509-0094 | 1 | Seal, Bearing ("O" Ring) |
| | 220-2199 | 1 | 1 Phase, 60 Hertz (AC) - 24 Volt (DC) | 20 | 520-0797 | 4 | Stud, Generator Through |
| | 220-2224 | 1 | 1 Phase, 60 Hertz (AC) - 32 Volt (DC) | 21 | WASHER, LOCK | | |
| | 220-2050 | 1 | 3 Phase, 50 Hertz (AC) - 12 Volt (DC) | | 850-0050 | 4 | Generator Through Stud (3/8") |
| | 220-2157 | 1 | 3 Phase, 50 Hertz (AC) - 24 Volt (DC) | | 850-0040 | 2 | End Bell Cover Mounting (1/4") |
| | 220-2182 | 1 | 3 Phase, 50 Hertz (AC) - 32 Volt (DC) | | 850-0040 | 2 | Resistor Bracket Mounting (1/4") |
| | 220-2042 | 1 | 3 Phase, 60 Hertz (AC) - 12 Volt (DC) | | 850-0055 | 1 | Rotor Through Stud (7/16") |
| | 220-2149 | 1 | 3 Phase, 60 Hertz (AC) - 24 Volt (DC) | | 850-0040 | 1 | Resistor Through Screw (1/4") |
| | 220-2174 | 1 | 3 Phase, 60 Hertz (AC) - 32 Volt (DC) | | 850-0030 | 4 | Air Baffle Mounting (#10) |
| 2 | 201-2157 | 1 | Rotor Assembly, Wound - Includes parts marked + | 22 | NUT, HEX | | |
| 3 | 510-0112 | 1 | +Bearing, Rotor | | 862-0011 | 4 | Generator Through Stud (3/8-16) |
| 4 | 232-2398 | 1 | +Spacer, Bearing | | 870-0203 | 1 | Rotor Through Stud (7/16-20) |
| 5 | 201-2151 | 1 | +Rotor, Wound - Exciter | | 871-0010 | 1 | Resistor Tap (#10-32) |
| 6 | 515-0094 | 1 | +Key, Exciter Rotor | 23 | WASHER, FLAT - WASHER, STUD | | |
| 7 | 870-0284 | 1 | +Nut, Exciter Rotor Locking | | 526-0260 | 2 | Exciter Stator Mounting |
| 8 | 205-0105 | 1 | +Fan, Generator | | 232-0200 | 1 | Rotor Through Stud |
| 9 | 515-0006 | 1 | Key, Fan | 24 | WASHER, SHAKEPROOF | | |
| 10 | 526-0008 | 12 | +Washer, Flat | | 853-0013 | 2 | Exciter Stator Mounting (1/4") |
| 11 | 870-0131 | 8 | +Nut, Hex (#10-32) | | 853-0008 | 2 | End Bell Cover Mounting (#10) |
| 12 | 358-0069 | 1 | +Rectifier Assembly (Positive) | | 856-0003 | 1 | Resistor Tap (#10) |
| 13 | 358-0070 | 1 | +Rectifier Assembly (Negative) | | | | |
| 14 | 853-0008 | 4 | +Washer, Shakeproof (#10) | | | | |
| 15 | 813-0100 | 4 | +Screw, Round Head (#10-32 x 1/2") | | | | |
| 16 | 211-0237 | 1 | Bell, End | | | | |
| 17 | 220-2009 | 1 | Stator, Wound - Exciter | | | | |

GENERATOR — BEGIN SPEC AA

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|--|----------|-------------------------------|-----------|---------------------------------------|
| 25 | 800-0004 | 2 | Screw, Hex Cap - Exciter Stator Mounting (1/4-20 x 5/8") | 28 | 234-0532 | 1 | Baffle, Air |
| 26 | SCREW | | | 29 | GROMMET, RUBBER | | |
| | 812-0165 | 2 | End Bell Cover Mounting (1/4-20 x 4-1/2") | | 508-0112 | 1 | 2-3/4" x 1-7/8" (Lead Outlet) |
| | 813-0100 | 2 | End Bell Cover Mounting (#10-32 x 1/2") | | 508-0095 | 1 | 25/32 x 21/32" |
| | 812-0167 | 2 | End Bell W/Overspeed Cut Off Switch (1/4-20 x 6") | 30 | 515-9103 | 1 | *Key, Fan |
| | 813-0098 | 4 | Air Baffle Mounting (#10-32 x 3/8) | 31 | 232-2418 | 1 | Board, Connection |
| | 812-0150 | 2 | Resistor Bracket Mounting (1/4-20 x 5/8) | 32 | 231-0161 | 1 | Adapter, Generator |
| | 812-0169 | 1 | Resistor Through (1/4-20 x 5-1/2") | 33 | 234-0493 | 1 | Cover, Air Outlet |
| | 811-0098 | 1 | Resistor Tap (#10-32 x 3/8") | 34 | RESISTOR, TAPPED (Adjustable) | | |
| 27 | 520-0789 | 1 | Stud, Rotor Through | | 304-0500 | 1 | 12 and 24 Volt DC |
| | | | | | 304-0534 | 1 | 32 Volt DC |
| | | | | 35 | 232-2399 | 1 | Bracket, Resistor Mounting |
| | | | | 36 | 304-0006 | 2 | Washer, Centering - Resistor Mounting |

* - Included in the Rotor Assembly.

GENERATOR EXCITER - SPEC A THRU Z



ES-1101

NOTE: 06SX1N1B used on all 60 hertz sets Spec A through N.
 06SX1N1B used on 60 hertz 120/240 volt, 277/480 volt, and 600 volt 3 phase sets Spec P through Z.
 06SX1N3B used on all 60 hertz sets except 120/240 volt, 277/480 volt, and 600 volt 3 phase sets Spec P through Z.
 06SX51N1B used on all 50 hertz sets Spec A through N.
 06SX51N1B used on 50 hertz sets 120/240 volt, 277/480 volt, and 600 volt 3 phase sets Spec P through Z.
 06SX51N3B used on all 50 hertz sets except 120/240 volt, 277/480 volt, and 600 volt 3 phase sets Spec P through Z.
 Check set nameplate for Magneciter number and use correct column.

GENERATOR EXCITER - SPEC A THRU Z

| REF NO. | PART NUMBER | PART DESCRIPTION | QUANTITY USED | | | | | | | | | | | | | | | | | |
|---------|-------------|--|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | F | G | H | J | K | | | | | | | | |
| | | 02SX1N1A Use Column A | X | | | | | | | | | | | | | | | | | |
| | | 04SX1N1A Use Column B | | X | | | | | | | | | | | | | | | | |
| | | 04SX1N1B Use Column C | | | X | | | | | | | | | | | | | | | |
| | | 04SX1N3B Use Column D | | | | X | | | | | | | | | | | | | | |
| | | 06SX1N1A Use Column E | | | | | X | | | | | | | | | | | | | |
| | | 06SX1N1B Use Column F | | | | | | X | | | | | | | | | | | | |
| | | 06SX1N3B Use Column G | | | | | | | X | | | | | | | | | | | |
| | | 06SX51N1A Use Column H | | | | | | | | X | | | | | | | | | | |
| | | 06SX51N1B Use Column J | | | | | | | | | X | | | | | | | | | |
| | | 06SX51N3B Use Column K | | | | | | | | | | X | | | | | | | | |
| | 209-0001 | Exciter, Complete (Less Cover) | 1 | | | | | | | | | | | | | | | | | |
| | 209-0002 | Exciter, Complete (Less Cover) | | 1 | | | | | | | | | | | | | | | | |
| | 209-0003 | Exciter, Complete (Less Cover) | | | 1 | | | | | | | | | | | | | | | |
| | 209-0005 | Exciter, Complete (Less Cover) | | | | 1 | | | | | | | | | | | | | | |
| | 209-0007 | Exciter, Complete (Less Cover) | | | | | 1 | | | | | | | | | | | | | |
| | 209-0008 | Exciter, Complete (Less Cover) | | | | | | 1 | | | | | | | | | | | | |
| | 209-0010 | Exciter, Complete (Less Cover) | | | | | | | | 1 | | | | | | | | | | |
| | 209-0011 | Exciter, Complete (Less Cover) | | | | | | | | | 1 | | | | | | | | | |
| | 209-0012 | Exciter, Complete (Less Cover) | | | | | | | | | | 1 | | | | | | | | |
| | 209-0013 | Exciter, Complete (Less Cover) | | | | | | | | | | | 1 | | | | | | | |
| 1 | 234-0185 | • Cover, Exciter | | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 234-0153 | Panel Only, Exciter | 1 | 1 | | | | 1 | | | | 1 | | | | | | | | |
| 2 | 234-0188 | Panel Only, Exciter | | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 | 315-0084 | Reactor, Gate | 2 | | | | | | | | | | | | | | | | | |
| 3 | 315-0099 | Reactor, Gate | | 2 | 2 | 2 | | | | | | | | | | | | | | |
| 3 | 315-0102 | Reactor, Gate | | | | | | 2 | 2 | 2 | | | | | | | | | | |
| 3 | 315-0104 | Reactor, Gate | | | | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 4 | 232-1553 | Gasket, Gate Reactor Mounting - Outer | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | | | | | | | | | | |
| 5 | 232-1551 | Gasket, Gate Reactor Mounting - Inner | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 6 | 232-1552 | Retainer, Gate Reactor | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | | | | | | | | | | |
| 6 | 234-0191 | Retainer, Gate Reactor | | | | | | 2 | | | | 2 | | | | | | | | |
| 8 | 800-0013 | Screw, Cap - Hex Head (1/4-20 x 2-1/2") | | | | 2 | 2 | | | | | | | | | | | | | |
| 8 | 800-0015 | Screw, Cap - Hex Head (1/4-20 x 3") | | | | | | | 2 | 2 | | | | | | | | | | |
| 9 | 305-0259 | Rectifier Assembly (Includes Parts Marked †) | 1 | 1 | 1 | | | | | | | | | | | | | | | |
| 9 | 305-0387 | Rectifier Assembly (Includes Parts Marked Δ) | | | | | 1 | | | | | | | | | | | | | |
| 9 | 305-0264 | Rectifier Assembly (Includes Parts Marked *) | | | | | | 1 | 1 | | | 1 | 1 | | | | | | | |
| 9 | 305-0388 | Rectifier Assembly (Includes Parts Marked £) | | | | | | | | | | 1 | | | | | | | | 1 |
| 10 | 305-0238 | †Δ*£ Rectifier Only, Power Field (Negative) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 11 | 305-0239 | †Δ*£ Rectifier Only, Power Field (Positive) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 12 | 305-0239 | Δ£ Rectifier Only, Field Flash | | | | | 1 | | | | | 1 | | | | | | | | 1 |
| 13 | 305-0240 | †Δ*£ Rectifier, Voltage Control | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

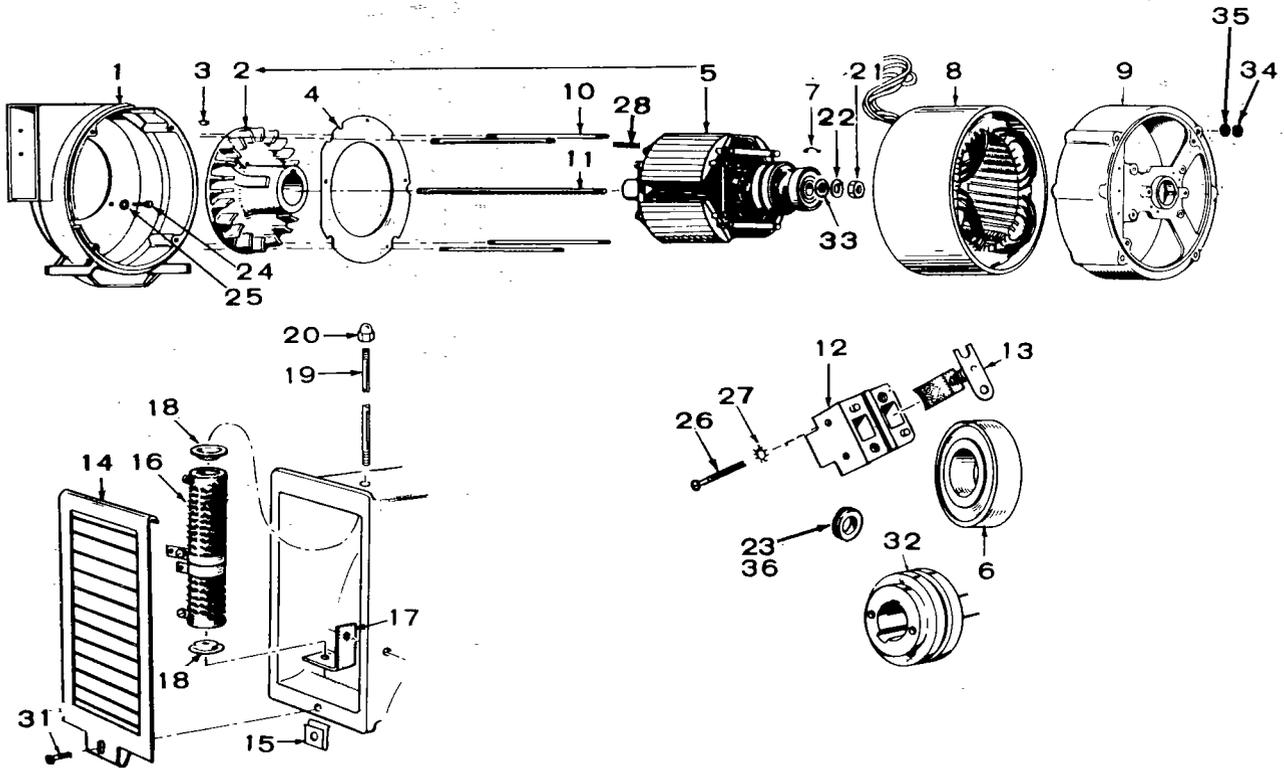
GENERATOR EXCITER - SPEC A THRU Z

| REF NO. | PART NUMBER | PART DESCRIPTION | QUANTITY USED | | | | | | | | | | | | | | | | | |
|---------------------------------------|-------------|--|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | E | F | G | H | J | K | | | | | | | | |
| 14 | 304-0476 | †ΔResistor (500-Ohm, 5 Watt) | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | |
| 14 | 304-0512 | *£Resistor (150-Ohm, 50 Watt) | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 15 | 304-0498 | †Δ*£Clip, Resistor Mounting | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16 | 332-0697 | †Δ*£Stud, Terminal (Flat Head) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 17 | 332-0698 | †Δ*£Stud, Terminal (Extended Slotted Head) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 870-0196 | †Δ*£Fastener (Compression Type) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 19 | 332-0699 | Block, Terminal | 1 | 1 | | | | 1 | | | | | 1 | | | | | | | |
| 19 | 332-0745 | Block, Terminal | | | | 1 | 1 | | 1 | 1 | | | | | | 1 | | | 1 | 1 |
| 20 | 332-0700 | Strip, Block Marker | 1 | | | | | | | | | | | | | | | | | |
| 20 | 332-0738 | Strip, Block Marker | | 1 | | | | 1 | | | | | | 1 | | | | | | |
| 20 | 332-0746 | Strip, Block Marker | | | 1 | | | | 1 | | | | | | 1 | | | | | |
| 20 | 332-0925 | Strip, Block Marker | | | | 1 | | | | 1 | | | | | | | | | | 1 |
| 21 | 304-0489 | Resistor, Fixed (200-Ohm, 50 Watt) | 1 | | | | | | | | | | | | | | | | | |
| 21 | 304-0511 | Resistor, Tapped - 500-Ohm (425 Fixed, 75 Adj.) | | 1 | | | | 1 | | | | | | 1 | | | | | | |
| 21 | 304-0527 | Resistor, Tapped - 500-Ohm (425 Fixed, 75 Adj.) | | | | 1 | 1 | | 1 | 1 | | | | | 1 | | | | | 1 |
| 22 | 304-0015 | Washer, Centering - Resistor | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 23 | 232-1473 | Spacer, Resistor Mounting | 2 | | | | | | | | | | | | | | | | | |
| 23 | 232-1474 | Spacer, Resistor Mounting | | | | 2 | 2 | | 2 | 2 | | | | | 2 | | | | 2 | 2 |
| 24 | 315-0085 | Reactor, Voltage Control | 1 | | | | | | | | | | | | | | | | | |
| 24 | 315-0100 | Reactor, Voltage Control | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | |
| 24 | 315-0105 | Reactor, Voltage Control | | | | | | | | | | | | 1 | 1 | 1 | | | | 1 |
| 25 | 232-1548 | Gasket, Voltage Control Reactor | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 26 | 307-0584 | Relay, Field Build-Up | 1 | | | | | | | | | | | | | | | | | |
| 27 | 520-0641 | Stud, Tapped Resistor Mounting | 1 | | 1 | 1 | | | 1 | 1 | | | | | 1 | | | | 1 | 1 |
| 27 | 812-0116 | Screw, Tapped Resistor Mounting (RHMS #10-24 x 4-1/2") | | 1 | | | | 1 | | | | | | 1 | | | | | | |
| 28 | 332-0050 | Clip, Loop | 1 | 1 | | | | 1 | | | | | | 1 | | | | | | |
| 28 | 332-0052 | Clip, Loop | | | 1 | 1 | | 1 | 1 | 1 | | | | | 1 | | | | 1 | 1 |
| 29 | 508-0008 | Grommet, Rubber (For 7/8" Hole) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31 | 304-0510 | Resistor, Fixed (250-Ohm, 25 Watt) | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32 | 813-0112 | Screw, Fixed Resistor Mounting (RHMS #10-32 x 2-1/2") | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 33 | 308-0175 | Switch, Residual Reset | | | 1 | | | | 1 | | | | | | 1 | | | | | |
| 34 | 305-0238 | Rectifier, Power Field - Negative | | | | 1 | | | | 1 | | | | | | | | | | 1 |
| 35 | 526-0173 | Washer, Retainer - Voltage Control Reactor | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| ASSOCIATED HARDWARE (NOT ILLUSTRATED) | | | | | | | | | | | | | | | | | | | | |
| | | SCREW, MACHINE - ROUND HEAD | | | | | | | | | | | | | | | | | | |
| | 812-0156 | 1/4-20 x 1-1/2" | As Required | | | | | | | | | | | | | | | | | |
| | 813-0101 | #10-32 x 9/16" | As Required | | | | | | | | | | | | | | | | | |
| | 811-0098 | #10-32 x 3/8" (Brass) | As Required | | | | | | | | | | | | | | | | | |
| | 813-0098 | #10-32 x 3/8" | As Required | | | | | | | | | | | | | | | | | |
| | 815-0190 | #8-32 x 3/8" | As Required | | | | | | | | | | | | | | | | | |
| | 815-0198 | #8-32 x 5/8" | As Required | | | | | | | | | | | | | | | | | |
| | 815-0001 | Screw, Machine - Binder Head (Brass) (#6-32 x 1/4") | As Required | | | | | | | | | | | | | | | | | |

GENERATOR EXCITER - SPEC A THRU Z

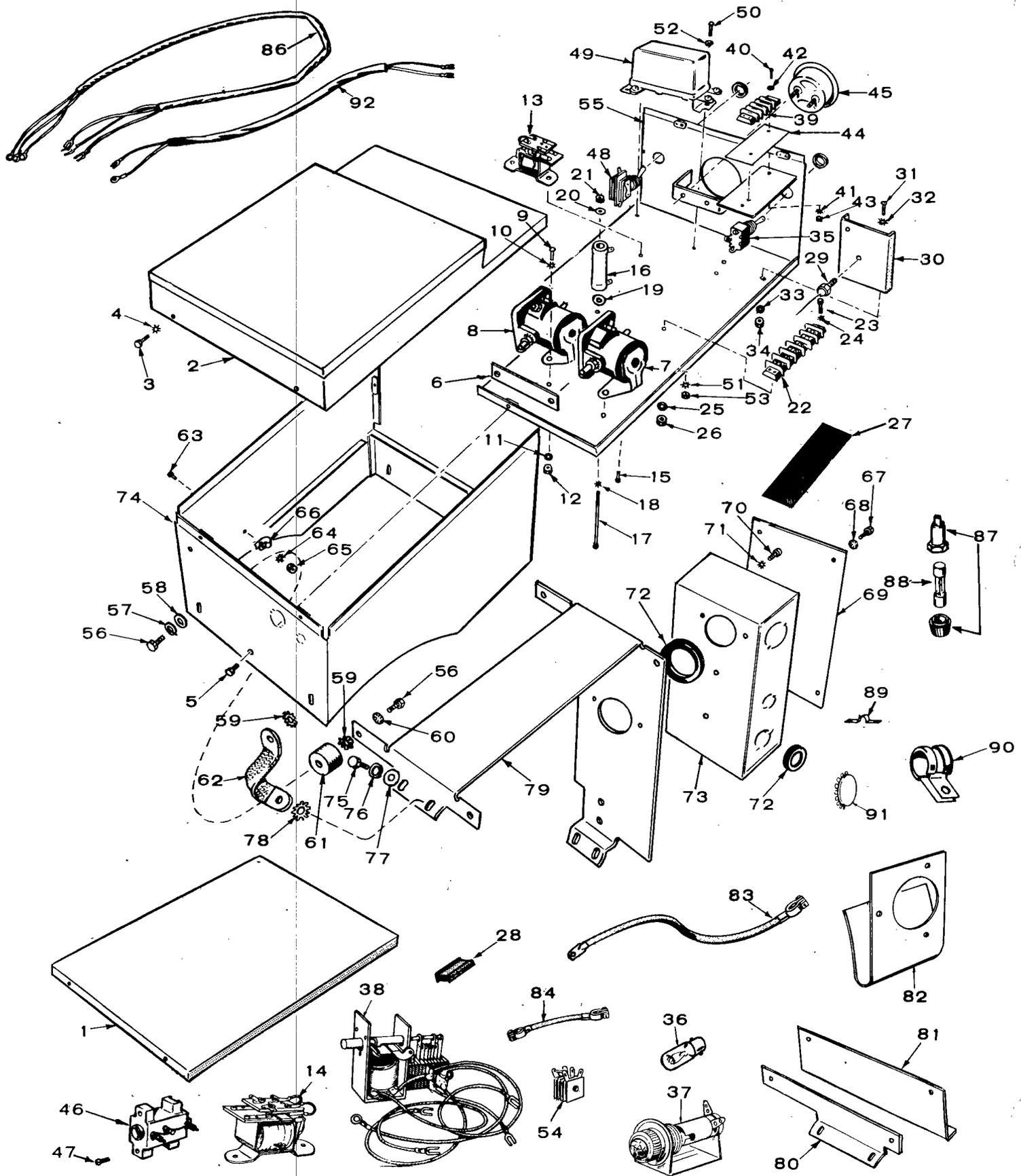
| REF NO. | PART NUMBER | PART DESCRIPTION | QUANTITY USED | | | | | | | | | | | | | | | | | |
|---------|-------------|---|---------------|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|
| | | | A | B | C | D | E | F | G | H | J | K | | | | | | | | |
| | | WASHER, FLAT | | | | | | | | | | | | | | | | | | |
| | 526-0003 | 11/64" ID x 3/8" OD x 1/32" Thk | | | | | | | | | | | | | | | | | | |
| | 526-0048 | .172" ID x 3/8" OD x 1/32" Thk | | | | | | | | | | | | | | | | | | |
| | 526-0049 | .200" ID x 7/16" OD x 1/32" Thk | | | | | | | | | | | | | | | | | | |
| | 526-0179 | 7/32" ID x 5/8" OD x 1/16" Thk | | | | | | | | | | | | | | | | | | |
| | | WASHER, LOCK - SPRING | | | | | | | | | | | | | | | | | | |
| | 850-0030 | #10 | | | | | | | | | | | | | | | | | | |
| | 850-0040 | 1/4" | | | | | | | | | | | | | | | | | | |
| | 853-0005 | Washer, Lock - ET | | | | | | | | | | | | | | | | | | |
| | | WASHER, LOCK - IT | | | | | | | | | | | | | | | | | | |
| | 854-0007 | #8 | | | | | | | | | | | | | | | | | | |
| | 854-0010 | #10 | | | | | | | | | | | | | | | | | | |
| | 854-0014 | 1/4" | | | | | | | | | | | | | | | | | | |
| | | NUT, HEX | | | | | | | | | | | | | | | | | | |
| | 860-0008 | #8-32 | | | | | | | | | | | | | | | | | | |
| | 860-0011 | #10-24 | | | | | | | | | | | | | | | | | | |
| | 862-0001 | 1/4-20 | | | | | | | | | | | | | | | | | | |
| | 870-0053 | #10-32 | | | | | | | | | | | | | | | | | | |
| | 871-0005 | #6-32 (Brass) | | | | | | | | | | | | | | | | | | |
| | 871-0007 | #8-32 (Brass) | | | | | | | | | | | | | | | | | | |
| | 871-0010 | #10-32 (Brass) | | | | | | | | | | | | | | | | | | |
| | | <ul style="list-style-type: none"> • - Use 234-0223 cover for housed sets. † - Parts included in 305-0259 Rectifier Assembly. Δ - Parts included in 305-0387 Rectifier Assembly. * - Parts included in 305-0264 Rectifier Assembly. £ - Parts included in 305-0388 Rectifier Assembly. | | | | | | | | | | | | | | | | | | |

GENERATOR ALTERNATOR SPEC A THROUGH Z



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|------------------------------|-----------|---|----------|-----------------------------------|-----------|---|
| 1 | ADAPTER, ENGINE TO GENERATOR | | | 12 | 212-1064 | 2 | Block, Collector Ring Brush |
| | 231-0099 | 1 | Spec A Only | 13 | 214-0059 | 4 | Brush, Collector Ring |
| | 231-0111 | 1 | Spec B through Z | 14 | 234-0172 | 1 | Cover, Air Outlet |
| 2 | 205-0064 | 1 | Blower, Generator | 15 | 870-0177 | 1 | Clip, Air Outlet Cover |
| 3 | 515-0006 | 1 | Key, Blower | 16 | 304-0500 | 1 | Resistor, Tapped Adjustable |
| 4 | 234-0162 | 1 | Baffle, Generator Air | 17 | 232-1565 | 1 | Bracket, Resistor Mounting |
| 5 | 201-1124 | 1 | Rotor Assembly, Wound (Includes Bearing & Blower) | 18 | 304-0006 | 2 | Washer, Resistor Centering |
| 6 | 510-0047 | 1 | Bearing, Rotor | 19 | 520-0620 | 1 | Stud, Resistor Mounting |
| 7 | 232-0596 | 1 | Clip, Bearing Stop | 20 | 866-0001 | 1 | Nut, Resistor Mounting |
| 8 | STARTER, WOUND | | | 21 | 870-0203 | 1 | Nut, Rotor Stud |
| | | | 50 Hertz | 22 | 232-0200 | 1 | Washer, Rotor Stud |
| | 220-0960 | 1 | 120/208 Volt | 23 | 508-0095 | 1 | Grommet, Rubber - Air Baffle |
| | | | 120/240 Volt | 24 | SCREW, HEX CAP - ADAPTER MOUNTING | | |
| | 220-0792 | 1 | Single Phase | | 800-0050 | 2 | 3/8-16 x 1" |
| | 220-0791 | 1 | Three Phase | | 800-0051 | 2 | 3/8-16 x 1-1/4" |
| | 220-0761 | 1 | 220/380 Volt | 25 | 850-0050 | 4 | Lockwasher (3/8"), Adapter Mounting |
| | | | 60 Hertz | 26 | 812-0026 | 4 | Screw, Round Head (8/32 x 1-1/4") |
| | 220-0602 | 1 | 120/208 Volt | 27 | 856-0002 | 4 | Washer, Lock (EIT #8) |
| | | | 120/240 Volt | 28 | 515-0003 | 1 | Key, Blower to Rotor Shaft |
| | 220-0600 | 1 | Single Phase | 31 | 809-0046 | 1 | Screw, Round Head - Air Outlet Cover Mounting |
| | 220-0652 | 1 | Three Phase | 32 | 204-0061 | 1 | Collector Ring |
| | 220-0769 | 1 | 277/480 Volt | 33 | 850-0055 | 1 | Washer, Lock (7/16") |
| | 220-0755 | 1 | 600 Volt | 34 | 862-0015 | 4 | Nut, Hex (5/16-18) - Generator Through Stud |
| | 220-0600 | 1 | Contractor Models | 35 | 850-0045 | 4 | Washer, Lock (5/16") |
| 9 | 211-0146 | 1 | Bell, End - Alternator to Exciter | 36 | 508-0112 | 1 | Grommet, Rubber - Lead Out |
| 10 | 520-0639 | 4 | Stud, Generator Through | | | | |
| 11 | 520-0614 | 1 | Stud, Rotor Through | | | | |

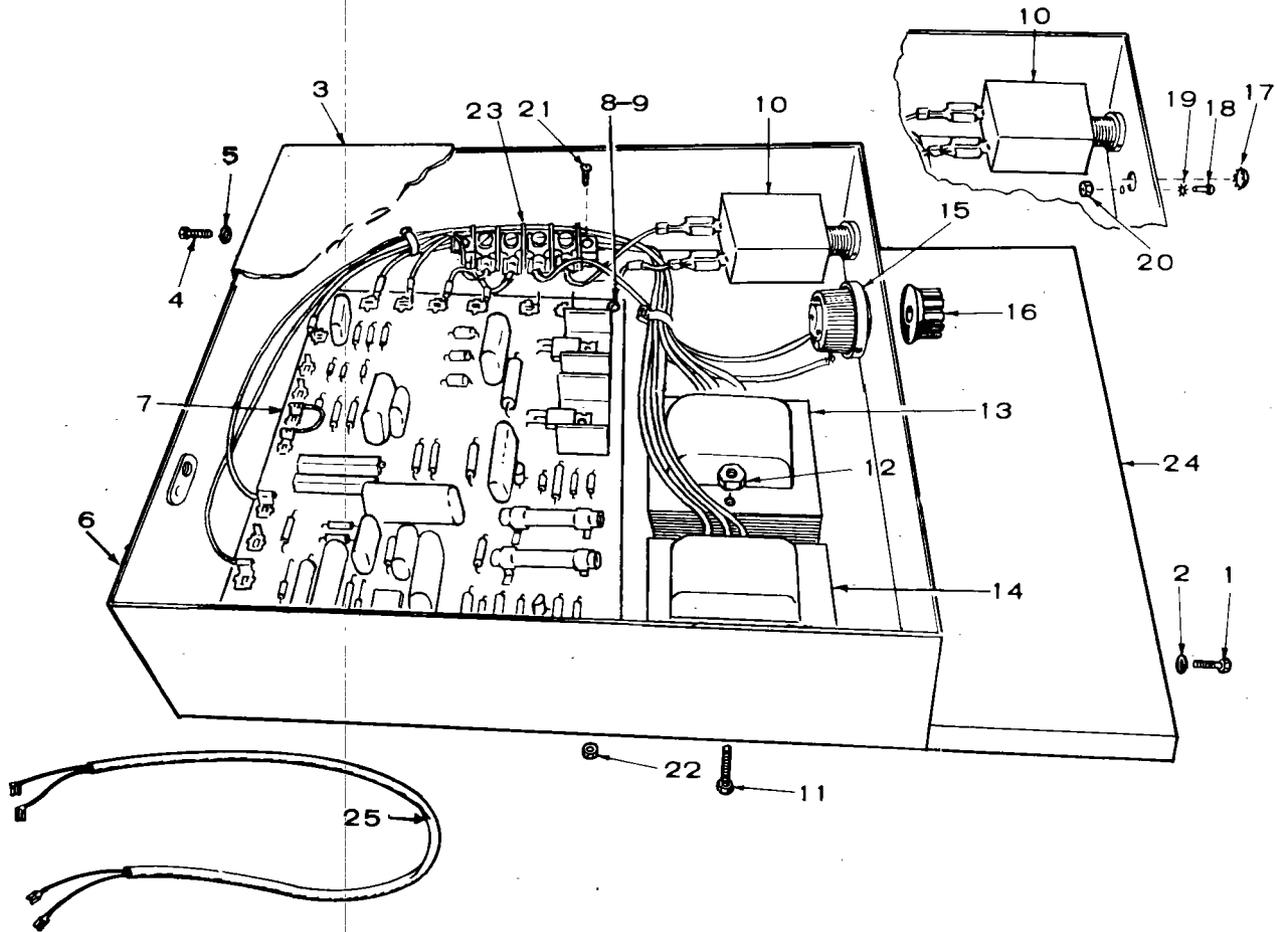
CONTROL



CONTROL

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|---|-----------|---|----------|-----------------------------------|-----------|--|
| 1 | 301-1963 | 1 | Cover, Control Box - Specs A Through Z | 48 | 308-0037 | 1 | Switch, Toggle - Manifold Heater |
| 2 | REGULATOR ASSEMBLY, VOLTAGE (See Separate Group For Components) | | | 49 | 307-0597 | 1 | Relay, Ignition Start - Specs A through Z |
| | 305-0589 | 1 | Without Adjustment | 50 | 812-0079 | 2 | Screw, Roundhead (#8-32 x 1/2") |
| | 305-0590 | 1 | With Adjustment | 51 | 853-0008 | 2 | Washer, Lock - External (#8) |
| 3 | 815-0178 | 4 | Screw, Hex Head (#10-32 x 5/8") | 52 | 850-0025 | 2 | Washer, Lock (#8) |
| 4 | 853-0008 | 4 | Washer, Lock - External (#10) | 53 | 860-0008 | 2 | Nut, Hex (#8-32) |
| 5 | 815-0178 | 5 | Screw, Hex Head (#10-32 x 5/8") | 54 | 305-0197 | 1 | Rectifier - Specs A through E |
| 6 | 332-0602 | 1 | Jumper, Solenoid to Solenoid | 55 | PANEL, CONTROL | | |
| 7 | RELAY, MANIFOLD HEATER | | | | 301-1961 | 1 | Standard |
| | 307-1046 | 1 | 12 & 24 Volt | | 301-2376 | 1 | Units with LOPKO and Overspeed Lamps |
| | 307-0061 | 1 | 32 Volt | 56 | 800-0024 | 8 | Screw, Cap - Hex Head (5/16-18 x 1/2") |
| 8 | RELAY, START SOLENOID | | | 57 | 850-0045 | 8 | Washer, Lock - Spring (5/16") |
| | 307-1046 | 1 | 12 & 24 Volt - Specs A through Z | 58 | 526-0115 | 4 | Washer, Flat (11/32" ID x 11/16" OD x 1/16" Thk) - |
| | 307-0845 | 1 | 12 & 24 Volt - Begin Spec AA | 59 | 856-0008 | 6 | Washer, Lock - External (5/16") |
| | 307-0061 | 1 | 32 Volt - Specs A through Z | 60 | 854-0017 | 4 | Washer, Lock - Internal (5/16") |
| | 307-0875 | 1 | 32 Volt - Begin Spec AA | 61 | 402-0078 | 4 | Mount, Rubber |
| 9 | 815-0180 | 4 | Screw, Round Head (#10-32 x 3/4") | 62 | STRAP, GROUND | | |
| 10 | 853-0008 | 4 | Washer, Lock - External (#10) | | 337-0052 | 1 | Specs A through Z |
| 11 | 850-0030 | 4 | Washer, Lock - Spring (#10) | | 337-0036 | 1 | Begin Spec AA |
| 12 | 870-0053 | 4 | Nut, Hex (#10) | 63 | 812-0079 | 1 | Screw, Roundhead (#8-32 x 1/2") |
| 13 | 307-0623 | 1 | Relay, Start Disconnect | 64 | 856-0052 | 2 | Washer, Lock - External (#8) |
| 14 | 307-0614 | 1 | Relay, Low Oil Pressure Switch (Specs A through E) | 65 | 860-0008 | 1 | Nut, Hex (#8-32) |
| 15 | 812-0079 | 4 | Screw, Roundhead (#8-32 x 1/2") | 66 | 332-0052 | 1 | Clip, Wire |
| 16 | RESISTOR, FIXED | | | 67 | 815-0027 | 4 | Screw, Trusshead (#10-32 x 1/2") |
| | 304-0032 | 1 | 15 Ohm, 10 Watt | 68 | 854-0017 | 4 | Washer, Lock - Internal (5/16") |
| | 304-0217 | 1 | 1 Ohm, 10 Watt - Used with Low Oil Pressure Switch (Begin Spec F) | 69 | 301-0856 | 1 | Cover, Output Box |
| 17 | 812-0090 | 2 | Screw, Roundhead (#8-32 x 2-1/4") | 70 | 815-0236 | 3 | Screw, Hexhead (5/16 x 5/8") |
| 18 | 853-0008 | 1 | Washer, Lock - External (#8) | 71 | 854-0017 | 3 | Washer, Lock - External (5/16") |
| 19 | 508-0015 | As Req | Washer, Insulating | 72 | GROMMET, RUBBER | | |
| 20 | 526-0048 | 2 | Washer, Flat (11/64" ID x 3/8" OD x 1/32" Thk) | | 508-0183 | As Req | 1-3/4" Hole |
| 21 | 860-0008 | 2 | Nut, Hex (#8-32) | | 508-0021 | As Req | 3/4" Hole |
| 22 | 332-0706 | 1 | Block, Terminal | | 508-0001 | As Req | 1-1/16" Hole |
| 23 | 812-0066 | 2 | Screw, Roundhead (#6-32 x 3/4") | | 508-0117 | As Req | 1-3/8" Hole |
| 24 | 853-0003 | 2 | Washer, Lock - External (#6) | 73 | BOX, OUTPUT | | |
| 25 | 850-0020 | 2 | Washer, Lock - Spring (#6) | | 301-1978 | 1 | Specs A thru Z |
| 26 | 860-0005 | 2 | Nut, Hex (#6-32) | | 301-3682 | 1 | Begin Spec AA |
| 27 | 332-0739 | 1 | Marker, Terminal Strip | 74 | 301-1962 | 1 | Box, Control |
| 28 | 332-0750 | 1 | Marker Strip and Holder (Early Models Only) | 75 | 815-0236 | 4 | Screw, Hex Head (5/16 x 5/8") |
| 29 | RECTIFIER, CURRENT | | | 76 | 850-0045 | 3 | Washer, Lock - Spring (5/16") |
| | 305-0235 | 1 | 10 Amp, 100 Volt (12 & 24 Volt) | 77 | 526-0115 | 3 | Washer, Flat (11/32" ID x 11/16" OD x 1/16" Thk) |
| | 358-0015 | 1 | 12 Amp, 100 Volt (32 Volt) | 78 | 856-0008 | 1 | Washer, Lock - External (5/16") |
| 30 | 305-0254 | 1 | Heat Sink, Rectifier | 79 | 301-3683 | 1 | Bracket, Control Box - Begin Spec AA |
| 31 | 813-0103 | 2 | Screw, Roundhead (#10-32 x 3/4") | 80 | 301-1980 | 1 | Bracket, Control Box - Specs A through Z |
| 32 | 853-0008 | 2 | Washer, Lock - External (#10) | 81 | 301-2208 | 1 | Bracket, Control Box - Specs A through Z |
| 33 | 850-0030 | 2 | Washer, Lock - Spring (#10) | 82 | 301-3720 | 1 | Bracket, Output Box - Specs A through Z |
| 34 | 870-0053 | 2 | Nut, Hex (#10-32) | 83 | CABLE, BATTERY | | |
| 35 | 308-0154 | 1 | Switch, Toggle - Start/Stop | | 416-0021 | 2 | Unhoused Sets (20-1/2") |
| 36 | 322-0004 | As Req | Lamp | | 416-0037 | 2 | Housed Sets |
| 37 | 322-0069 | As Req | Holder, Lamp | 84 | 416-0133 | 1 | Cable, Jumper Battery |
| 38 | 307-1129 | 2 | Relay - Optional (LOPKO and Overspeed) | 86 | HARNES, WIRING | | |
| 39 | 332-0604 | 1 | Block, Terminal (5 Place) | | 338-0305 | 1 | Start, Stop |
| 40 | 812-0063 | 2 | Screw, Roundhead (#6-32 x 1/2") | | 338-0495 | 1 | Remote |
| 41 | 853-0003 | 2 | Washer, Lock - External (#6) | 87 | 321-0175 | 1 | Holder, Fuse |
| 42 | 850-0020 | 2 | Washer, Lock - Spring (#6) | 88 | 321-0146 | 1 | Fuse (10 Ampere) |
| 43 | 860-0005 | 2 | Nut, Hex (#6-32) | 89 | 332-1043 | 1 | Jumper, Terminal Block |
| 44 | 332-0616 | 1 | Strip, Terminal Marker (B+,1,2,3,H) | 90 | 416-0096 | 2 | Clamp, Battery Cable Support |
| 45 | 302-0446 | 1 | Ammeter | 91 | BUTTON, DOT | | |
| 46 | SWITCH | | | | 517-0139 | As Req. | 11/16" Hole |
| | 308-0091 | 1 | Reset - Specs A through E | | 517-0012 | As Req. | 5/8" Hole |
| | 320-0104 | 1 | Emergency - Begin Spec F | 92 | HARNES, WIRING (Housed Sets Only) | | |
| 47 | 812-0079 | 2 | Screw, Roundhead (#8-32 x 1/2") | | 338-0496 | 1 | Control to Output Box |
| | | | | | 338-0939 | 1 | Control to Remote Start/Stop |

VOLTAGE REGULATOR - BEGIN SPEC AA



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|-----------------------------|-----------|--|----------|--|-----------|---|
| 1 | 815-0350 | 4 | Screw, Slotted Hex Washer Head (#10-32 x 3/8") | 12 | 870-0183 | 4 | *†Nut, Hex (#6-32) |
| 2 | 850-0030 | 4 | Lockwasher (#10) | 13 | 315-0391 | 1 | *†Reactor (CMR21) |
| 3 | 301-3714 | 1 | Cover, Voltage Regulator | 14 | 315-0386 | 1 | *†Transformer, Voltage (T21) |
| 4 | 815-0350 | 4 | Screw, Slotted Hex Washer Head (#10-32 x 3/8") | 15 | 303-0103 | 1 | †Rheostat (R21) |
| 5 | 850-0030 | 4 | Lockwasher (#10) | 16 | 303-0194 | 1 | †Knob |
| 6 | REGULATOR ASSEMBLY, VOLTAGE | | | 17 | 517-0045 | 1 | *Plug, Dot Button |
| | 305-0589 | 1 | Without Voltage Adjustment (Includes Parts Marked *) | 18 | 812-0027 | 1 | *Screw, Round Head (#4-40 x 1/4") |
| | 305-0590 | 1 | With Voltage Adjustment (Includes Parts Marked †) | 19 | 853-0001 | 1 | *Lockwasher, Ext. Tooth (#4) |
| 7 | BOARD, VOLTAGE REGULATOR | | | 20 | 860-0003 | 1 | *Nut, Hex (#4-40) |
| | 300-1540 | | £Begin Spec AB | 21 | 812-0063 | 2 | *†Screw, Round Head, Slotted (#6-32 x 1/2") |
| | 300-1404 | 1 | *Begin Serial #F760142042 During Spec AA | 22 | 870-0183 | 2 | *†Nut, Hex (#6-32) |
| | 300-1006 | 1 | *Prior to Serial #F760142042 During Spec AA | 23 | 332-1647 | 1 | *†Terminal Strip (TB21) |
| 8 | 815-0190 | 4 | *†Screw, Round Head (#8-32 x 3/8") | 24 | 301-3713 | 1 | *†Panel, Mounting |
| 9 | 853-0005 | 4 | *†Lockwasher (#8) | 25 | HARNESS, WIRING -VOLTAGE REGULATOR TO EXCITER STATOR | | |
| 10 | 320-0505 | 1 | *†Circuit Breaker (CB21) | | 338-0744 | 1 | Used on Unhoused Sets |
| 11 | 812-0070 | 4 | *†Screw, Round Head (#6-32 x 1-1/4") | | 338-0755 | 1 | Used on Housed Sets |

* - Parts included in Non-Adjustable Voltage Regulator Assembly.

† - Parts included in Adjustable Voltage Regulator Assembly.
 £ - 300-1540 Regulator Board is Complete Replacement for 300-1006 and 300-1404 Regulator Boards.

SERVICE KITS AND MISCELLANEOUS

| PART NO. | QTY. USED | PART DESCRIPTION |
|-----------------------------------|-----------|-----------------------------|
| GASKET KIT, SET | | |
| 168-0087 | 1 | Standard Models |
| 168-0155 | 1 | Contractors Models |
| OVERHAUL KIT, SET | | |
| 522-0202 | 1 | Spec A Through R |
| 522-0245 | 1 | Begin Spec S |
| 98-1100 | 1 | Decal Kit |
| PAINT, TOUCH-UP (PRESSURIZED CAN) | | |
| 525-0305 | As Req. | Non-Metallic Green (13 oz.) |
| 525-0137 | As Req. | Metallic Green (13 oz.) |
| 525-0454 | As Req. | Greige (13 oz.) |

NOTE: For other kits, refer to the group for the part in question.

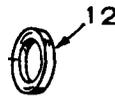
SPECIAL PARTS SECTION

**FOR 12.0DJC-3CE/
CONTRACTORS MODELS
(Formerly 12DJC-3E2236/)**

Parts not listed in this section, refer to the standard parts groups.
Exception: Overhaul Kits do not apply.

CYLINDER BLOCK AND OIL BASE

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|------------------|
| 12 | 509-0112 | 1 | Seal, Oil |



GEARCASE

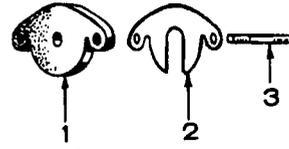
| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|-------------------------------|
| | 103-0454 | 1 | Gear Case Assembly - Complete |
| 10 | 509-0111 | 1 | *Seal, Oil |



* - Included in Gear Case Assembly.

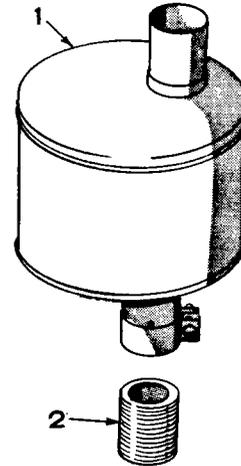
STARTER

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|------------------------|
| 1 | 191-0506 | 1 | Seal, Dirt (Starter) |
| 2 | 191-0505 | 1 | Cover Plate, Dirt Seal |
| 3 | 520-0662 | 1 | Stud, Starter Mounting |



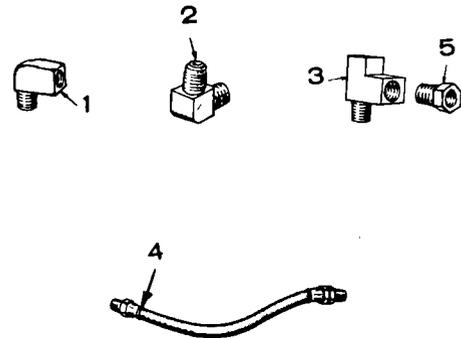
EXHAUST SYSTEM

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|-----------------------------|
| 1 | 155-0824 | 1 | Muffler, Exhaust |
| 2 | 505-0220 | 1 | Nipple, Pipe Close, Exhaust |



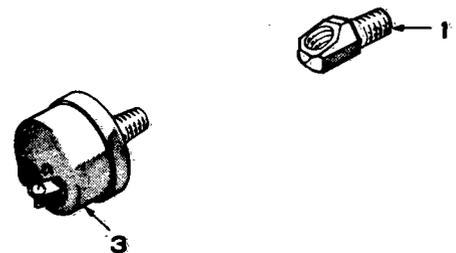
FUEL PUMP AND INJECTION SYSTEM

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|---|
| 1 | 502-0020 | 1 | Elbow, Street - Fuel Pump Outlet |
| 2 | 502-0138 | 1 | Elbow, Male - Fuel Pump Outlet |
| 3 | 502-0058 | 1 | Tee, Fuel Return Line to Injection Pump - Spec P Only |
| 4 | 501-0002 | 1 | Line, Fuel Solenoid Valve to Injection Pump Return Line Tee |
| 5 | 502-0017 | 1 | Connector, Return Line - Begin Spec R |

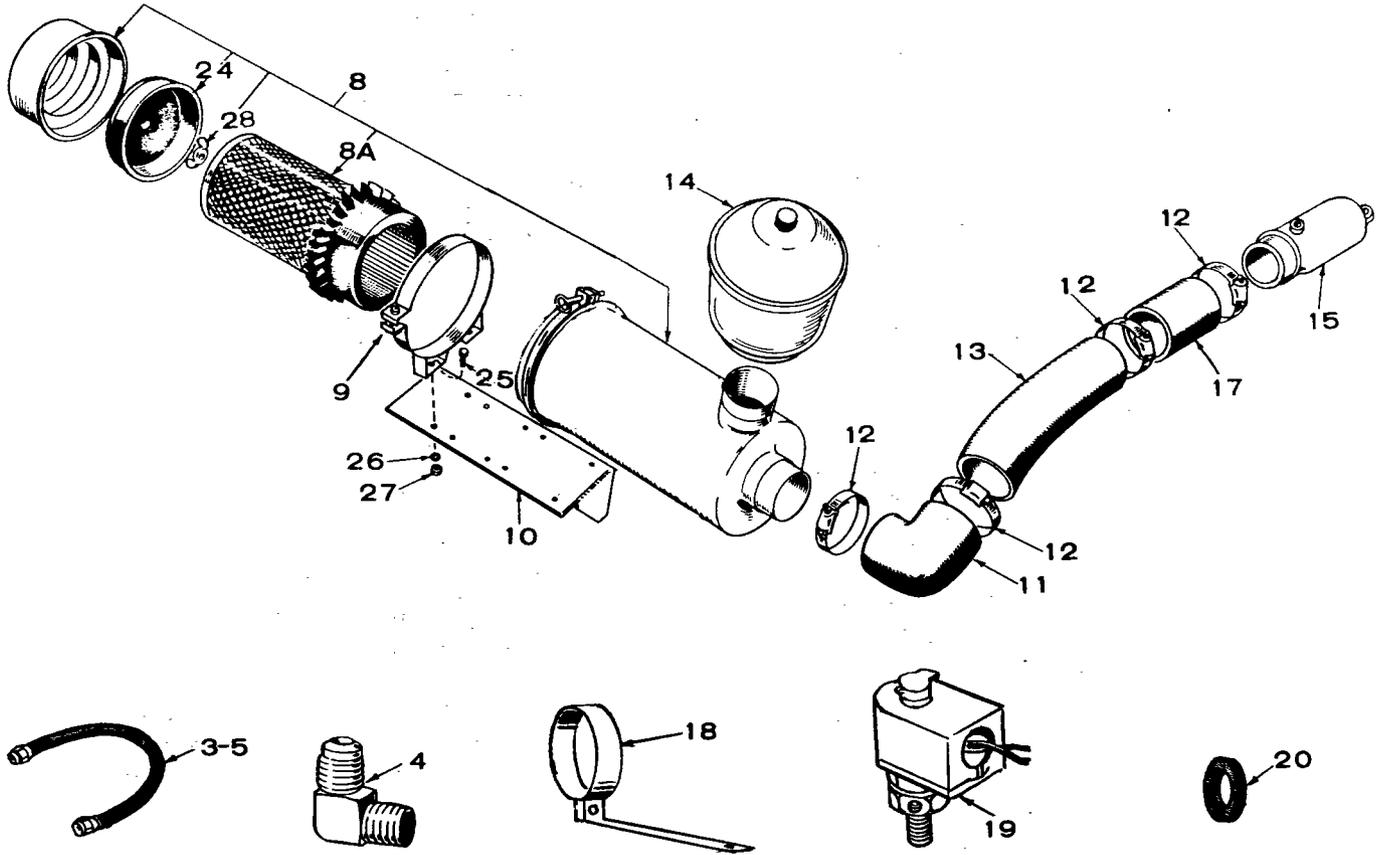


OIL SYSTEM

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|---|
| 1 | 502-0053 | 1 | Elbow, Street (45°), Oil Pressure Switch Mounting |
| 3 | 309-0169 | 1 | Switch, Low Oil Pressure Cut-off |



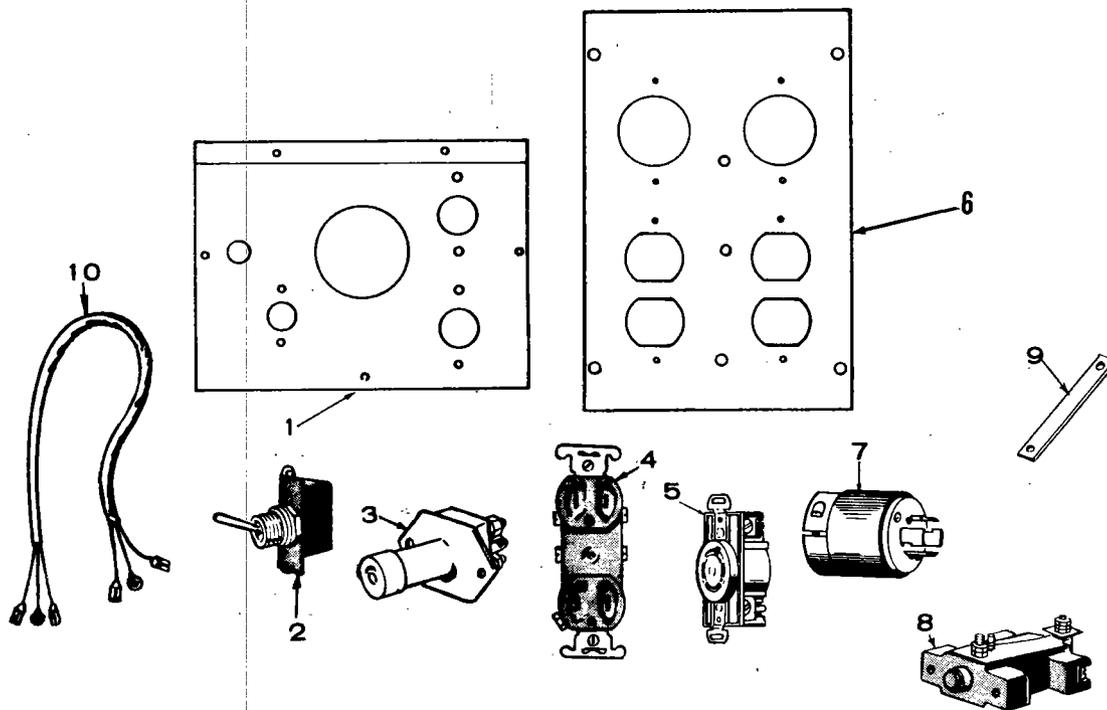
AIR CLEANER AND FUEL FILTER



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------------------|-----------|--|
| 3 | 501-0098 | 1 | Line, Fuel Pump to Secondary Filter |
| 4 | 502-0054 | 1 | Elbow, Secondary Filter Inlet and Outlet |
| 5 | 501-0097 | 1 | Line, Secondary Filter to Injection Pump |
| 8 | 140-0721 | 1 | Cleaner, Air, Includes Element |
| 8A | 140-0765 | 1 | Element Only, Air Cleaner |
| 9 | 140-0722 | 2 | Band, Air Cleaner Mounting |
| 10 | BRACKET, AIR CLEANER | | |
| | 140-0720 | 1 | Spec A through Z |
| | 140-1271 | 1 | Begin Spec AA |
| 11 | 503-0419 | 1 | Elbow, Air Cleaner |
| 12 | 503-0274 | 4 | Clamp, Hose |
| 13 | 140-0740 | 1 | Tube, Air Induction |

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|---|
| 14 | 140-0723 | 1 | Pre-cleaner, Air Cleaner, Plastic |
| 15 | 140-1212 | 1 | Adapter, Air Cleaner |
| 17 | 503-0330 | 1 | Hose, Air Cleaner Connector |
| 18 | 140-0852 | 1 | Bracket, Hose Support |
| 19 | 307-0973 | 1 | Solenoid Replacement Kit, Fuel Shut-Off - Spec P Only |
| 20 | 508-0071 | 1 | Grommet, Fuel Solenoid - Spec P Only |
| 24 | 140-1267 | 1 | Baffle, Air Cleaner |
| 25 | 800-0024 | 4 | Screw, Hex Head (5/16-18 x 1/2) |
| 26 | 850-0045 | 4 | Lockwasher (5/16) |
| 27 | 862-0015 | 4 | Nut, Hex (5/16-18) |
| 28 | 865-0020 | 1 | Nut, Wing |

CONTROL

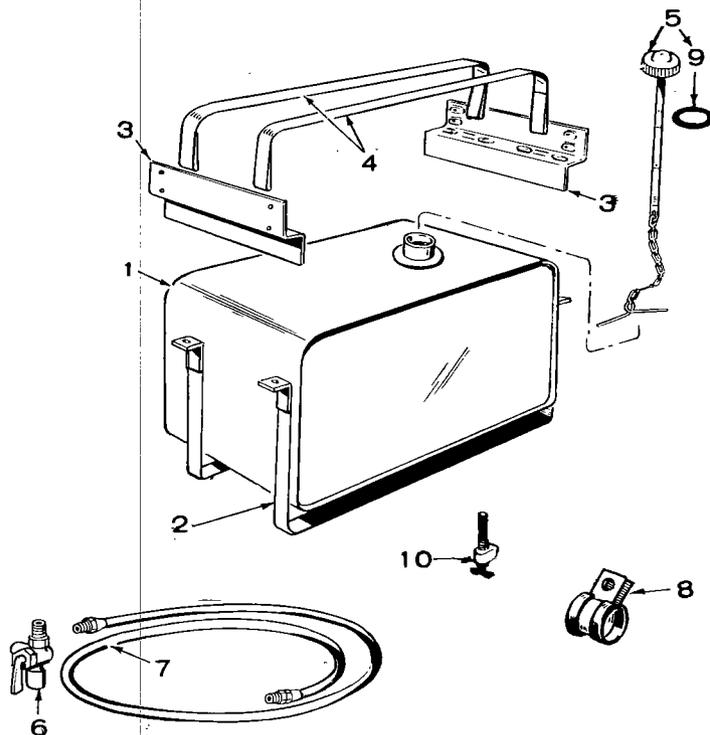


| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------------------------------|-----------|--|
| 1 | 301-2297 | 1 | Panel, Control |
| 2 | 308-0069 | 1 | Switch, Run/Stop |
| 3 | 308-0028 | 2 | Switch (1) Start (1) Heater |
| 4 | 323-0383 | 2 | Receptacle, Duplex |
| 5 | RECEPTACLE, TWISTLOCK | | |
| | 323-0856 | 2 | Begin Spec AA |
| | 323-0091 | 2 | Spec A Through Z |
| 6 | PANEL, RECEPTACLE BOX | | |
| | 301-4754 | 1 | Begin Spec AB |
| | 301-1170 | 1 | Spec A Through AA |
| 7 | PLUG, TWISTLOCK | | |
| | 323-0857 | 2 | Begin Spec AA |
| | 323-0185 | 2 | Spec A Through Z |
| 8 | BREAKER, CIRCUIT - Begin Spec AB | | |
| | 320-0549 | 2 | 60 Ampere |
| | 320-0544 | 2 | 30 Ampere |
| 9 | 332-0602 | 1 | Jumper - Start Switch to Heater Switch |
| 10 | HARNES, WIRING | | |
| | 338-0725 | 1 | Start-Disconnect |
| | 338-0394 | 1 | Starter to Solenoid |

OPTIONAL EQUIPMENT SECTION

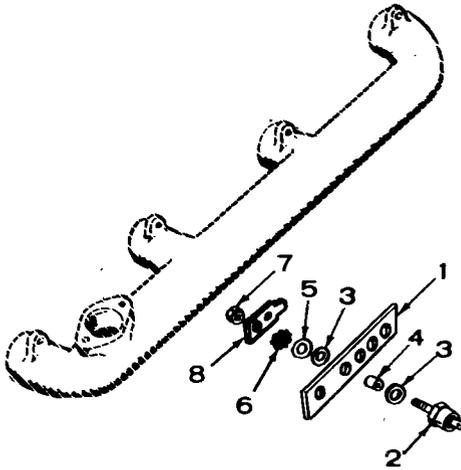
This section contains parts listing of factory installed options.
NOTE: options may not be applicable to all models; for field installations, additional parts are usually required.

OPTIONAL FUEL TANK (HOUSED SETS)



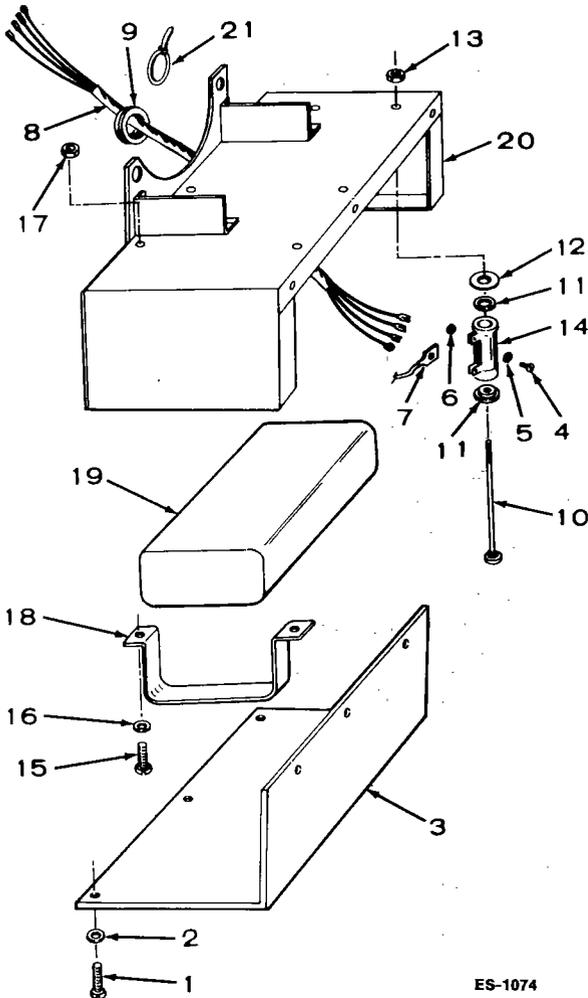
| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|--|-----------------------|-----------|--|
| | 159-0960 | 1 | Fuel Tank Assembly - Complete |
| 1 | 159-0788 | 1 | Tank, Fuel (15 Gal.) |
| 2 | 159-0786 | 2 | Strap, Mounting |
| 3 | 159-0789 | 2 | Bracket, Support |
| 4 | 159-0787 | 2 | Strap, Holddown |
| 5 | 159-0512 | 1 | Cap and Indicator |
| 6 | 504-0007 | 1 | Valve, Shut-off (Return) |
| 7 | LINE, FUEL - FLEXIBLE | | |
| | 501-0007 | 1 | 24" lg |
| | 501-0010 | 1 | 42" lg |
| 8 | 332-0050 | 2 | Clip, Fuel Line |
| 9 | 159-0751 | 1 | Gasket, Cap and Indicator |
| 10 | 504-0013 | 1 | Valve, Shut-off (Outlet) |
| ASSOCIATED MOUNTING HARDWARE - NOT ILLUSTRATED | | | |
| | 800-0009 | 4 | Screw, Cap - Hex Head (1/4-20 x 1-1/2") |
| | 821-0010 | 8 | Screw, Cap - Lockinghead (1/4-20 x 1/2") |
| | 850-0040 | 4 | Washer, Lock - Spring (1/4") |

OPTIONAL HIGH AIR TEMPERATURE SWITCH



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|------------------------------|-----------|--|
| 1 | 309-0195 | 1 | Bracket, Switch Mounting |
| 2 | SWITCH, HIGH AIR TEMPERATURE | | |
| | 309-0196 | 1 | Use W/O Indicator Lights |
| | 309-0206 | 1 | Use With Indicator Lights |
| 3 | 508-0126 | 2 | Insulator, Washer |
| 4 | 508-0127 | 1 | Insulator, Sleeve |
| 5 | 526-0021 | 1 | Washer, Flat (17/64" ID x 3/4" OD x 1/16" Thk) |
| 6 | 856-0006 | 1 | Washer, Lock - ET (1/4") |
| 7 | 862-0001 | 1 | Nut, Hex (1/4-20) |
| 8 | 332-0876 | 1 | Terminal, Ground |

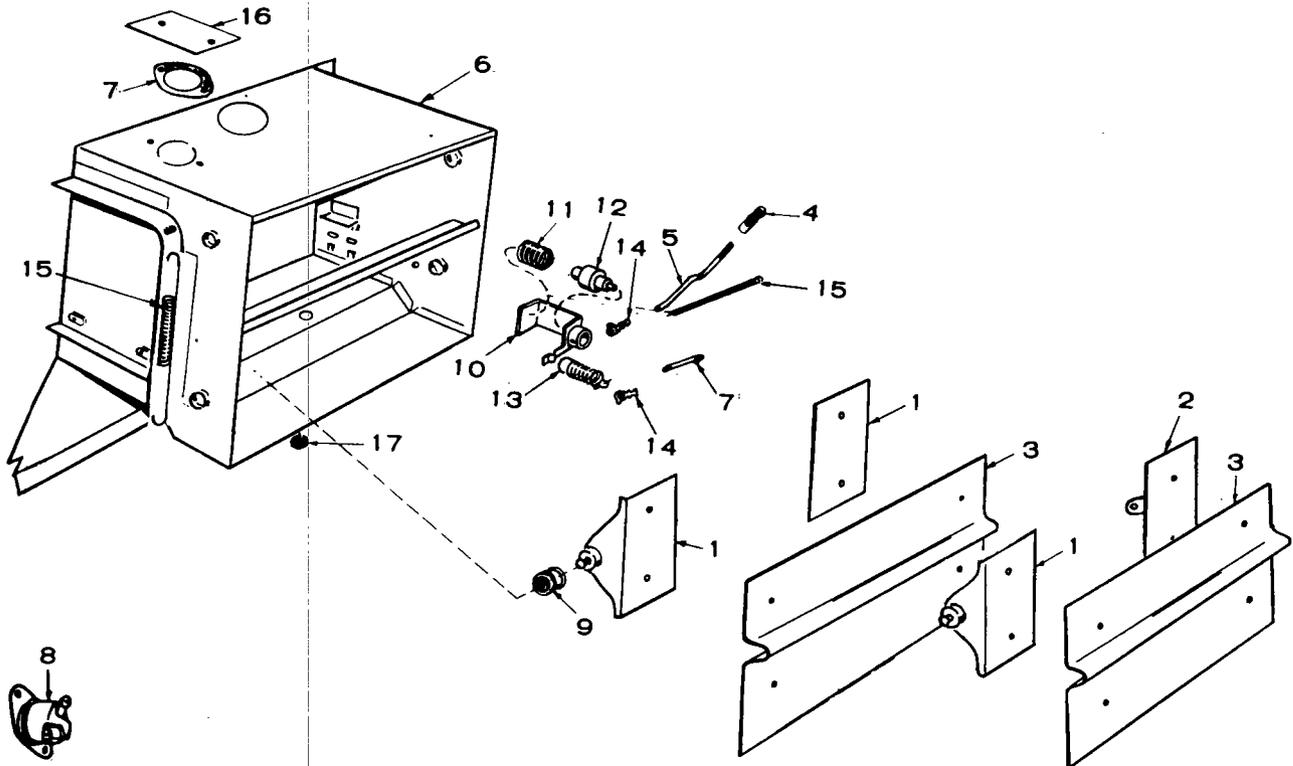
OPTIONAL VOLTAGE REGULATOR FILTER



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|--|
| 1 | 813-0098 | 6 | Screw, Machine - Round Head (#10-32 x 3/8") |
| 2 | 850-0030 | 6 | Washer, Lock - Spring (#10) |
| 3 | 232-2463 | 1 | Cover, Housing |
| 4 | 815-0001 | 4 | Screw, Machine - Binding Head Brass (#6-32 x 1/4") |
| 5 | 853-0003 | 4 | Washer, Lock - ET (#6) |
| 6 | 860-0006 | 4 | Nut, Hex (#6-32) |
| 7 | 332-1279 | 4 | Terminal, Lug |
| 8 | 338-1165 | 1 | Harness, Wiring |
| 9 | 508-0071 | 1 | Grommet, Rubber |
| 10 | 813-0112 | 2 | Screw, Machine - Round Head (#10-32 x 2-1/2") |
| 11 | 304-0015 | 4 | Washer, Centering |
| 12 | 304-0292 | 2 | Insulator, Resistor |
| 13 | 870-0053 | 2 | Nut, Hex (#10-32) |
| 14 | 304-0120 | 2 | Resistor, Fixed (2 Ohm, 25 Watt) |
| 15 | 812-0079 | 4 | Screw, Machine - Round Head (#8-32 x 1/2") |
| 16 | 850-0025 | 4 | Washer, Lock - Spring (#8) |
| 17 | 860-0008 | 4 | Nut, Hex (#8-32) |
| 18 | 312-0198 | 2 | Bracket, Mounting - Capacitor |
| 19 | 312-0197 | 1 | Capacitor |
| 20 | 232-2462 | 1 | Housing, Filter |
| 21 | 332-0942 | 2 | Tie, Cable |

ES-1074

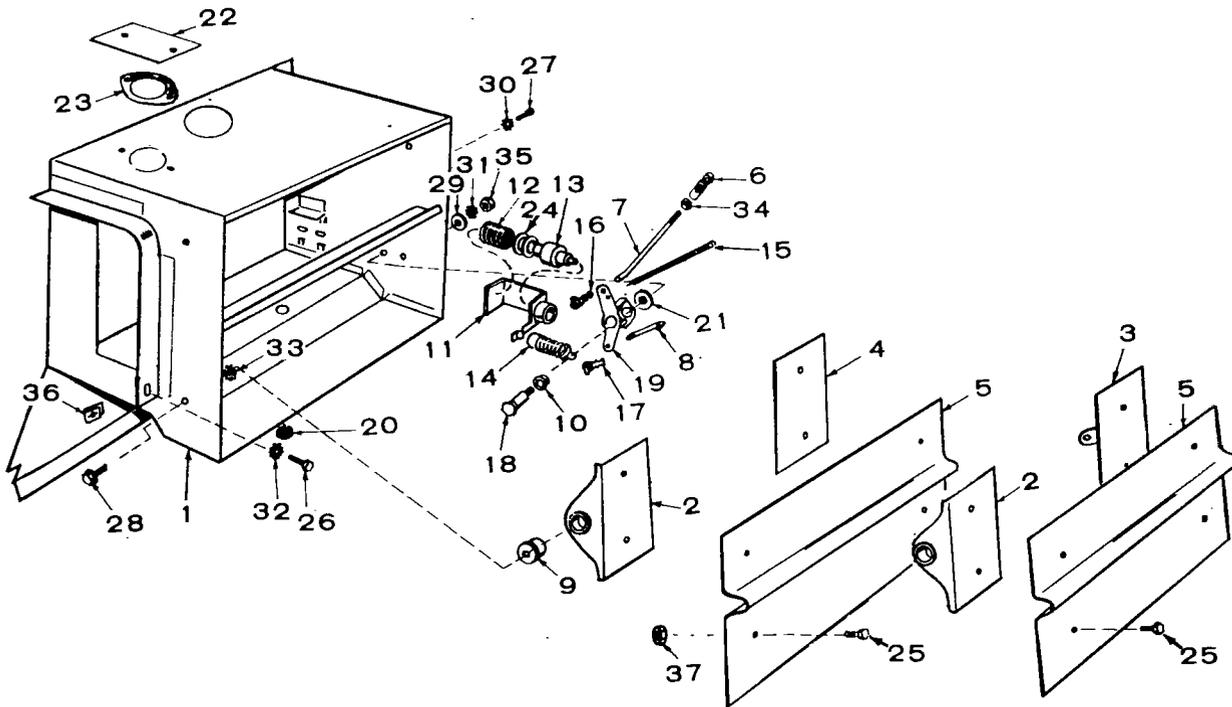
**OPTIONAL
AIR SHUTTER DISCHARGE
SPEC A THROUGH R**



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|---|
| | 134-1234 | 1 | Shutter Assembly, Complete (External Springs) - For replace order #134-3754 |
| 1 | 134-1242 | 3 | Bracket and Pivot |
| 2 | 134-1238 | 1 | Bracket, Shaft and Pin Assembly |
| 3 | 134-1237 | 2 | Shutter (No Longer Available) |
| 4 | 150-1358 | 1 | Joint, Ball |
| 5 | 134-1247 | 1 | Rod, Shutter Control |
| 6 | | 1 | Duct only - Not Sold Separately |
| 7 | 154-0738 | 1 | Gasket, Exhaust Outlet |
| 8 | 309-0162 | 1 | Switch, Hi-Temperature Specs A Through N (Mounts on Air Ducts) |
| 9 | 134-1248 | 4 | Bearing, Shutter |
| 10 | 134-1244 | 1 | Bracket and Guide, Vernatherm |
| 11 | 134-0656 | 1 | Spring, Vernatherm Element |
| 12 | 309-0085 | 1 | Element, Vernatherm |
| 13 | 134-0658 | 1 | Spring, Shutter Return |
| 14 | 518-0004 | 1 | Clip, Rod End |
| 15 | 134-1437 | 2 | Spring, Shutter Pivot |
| 16 | 134-1375 | 1 | Plate, Exhaust Outlet |
| 17 | 508-0002 | 1 | Grommet, Rubber |

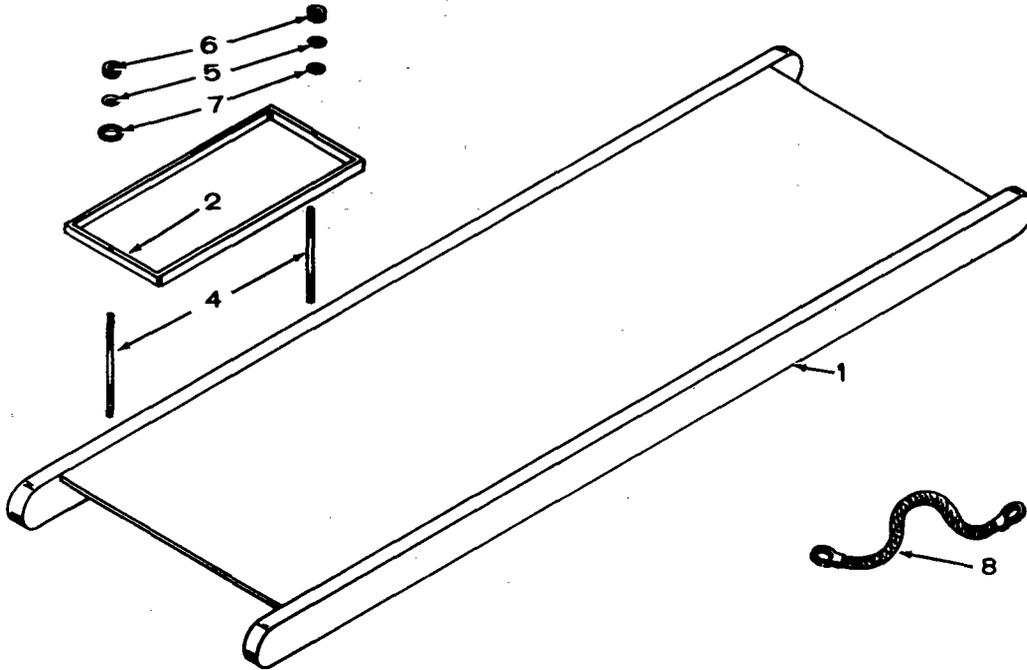
OPTIONAL AIR SHUTTER DISCHARGE

BEGIN SPEC S



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|---|----------|----------|-----------|--|
| | 134-3754 | 1 | Shutter Assembly, Complete (Internal Springs) | 20 | 508-0002 | 1 | Grommet, Rubber |
| 1 | 134-1805 | 1 | Duct only, Air Outlet | 21 | 526-0213 | 1 | Washer, Actuating Shaft |
| 2 | 134-2411 | 2 | Bracket and Pivot, Shutter | 22 | 134-1375 | 1 | Plate, Exhaust Outlet Cover |
| 3 | 134-1802 | 1 | Bracket and Pivot, Shutter and Rod | 23 | 154-0738 | 1 | Gasket, Exhaust Outlet |
| 4 | 134-1801 | 1 | Bracket and Pivot, Shutter and Spring | 24 | 526-0175 | 2 | Washer, Flat (41/64" ID x 29/32" OD x 1/16" Thk) |
| 5 | 134-1614 | 2 | Shutter, Air Outlet | 25 | 815-0194 | 8 | Screw, Cap - Hex Head (#10-32 x 3/8") |
| 6 | 150-1358 | 1 | Joint, Ball | 26 | 815-0235 | 3 | Screw, Cap - Hex Head (1/4-20 x 5/8") |
| 7 | 134-1606 | 1 | Rod, Shutter Control - Upper | 27 | 813-0097 | 2 | Screw, Machine - Round Head (#10-32 x 5/16") |
| 8 | 134-1607 | 1 | Rod, Shutter Control - Lower | 28 | 821-0010 | 4 | Screw, Cap - Hex Head Locking (1/4-20 x 1/2") |
| 9 | 134-2900 | 4 | Bearing, Shutter | 29 | 526-0113 | 1 | Washer, Flat (11/32" ID x 1" OD x 3/32" Thk) |
| 10 | 134-1248 | 2 | Bearing, Actuating Arm | 30 | 853-0008 | 2 | Washer, Lock - ET (#8) |
| 11 | 134-1610 | 1 | Bracket and Guide Vernatherm | 31 | 853-0016 | 1 | Washer, Lock - ET (5/16") |
| 12 | 134-0656 | 1 | Spring, Vernatherm Element | 32 | 853-0013 | 3 | Washer, Lock - ET (1/4") |
| 13 | 309-0085 | 1 | Element, Vernatherm | 33 | 856-0006 | 4 | Washer, Lock - EIT (1/4") |
| 14 | 134-0658 | 1 | Spring, Shutter Return - Lower | 34 | 870-0131 | 1 | Nut, Hex - Locking (#10-32) |
| 15 | 134-1817 | 1 | Spring, Shutter Return - Upper | 35 | 862-0015 | 1 | Nut, Jam - Hex (5/16-18) |
| 16 | 518-0004 | 1 | Clip, Rod End - Right Side | 36 | 870-0178 | 3 | Nut, Clinch (1/4-20) |
| 17 | 518-0006 | 2 | Clip, Rod End - Left Side | 37 | 870-0131 | 8 | Nut, Lock (#10-32) Shutter Mounting |
| 18 | 134-1605 | 1 | Shaft, Actuating Arm | | | | |
| 19 | 134-1604 | 1 | Arm, Actuating | | | | |

OPTIONAL SKID AND BATTERY RACK



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|--|
| 1 | 403-0661 | 1 | Skid |
| 2 | 416-0502 | 1 | Frame, Battery Holddown |
| 4 | 520-0490 | 2 | Stud, Battery Holddown |
| 5 | 850-0045 | 2 | Washer, Lock - Spring (5/16") |
| 6 | 862-0015 | 2 | Nut, Hex (5/16-18) |
| 7 | 526-0115 | 2 | Washer, Flat (11/32" ID x 11/16" OD x 1/16" Thk) |
| 8 | 336-0476 | 1 | Strap, Ground |

OPTIONAL AC METER PANEL

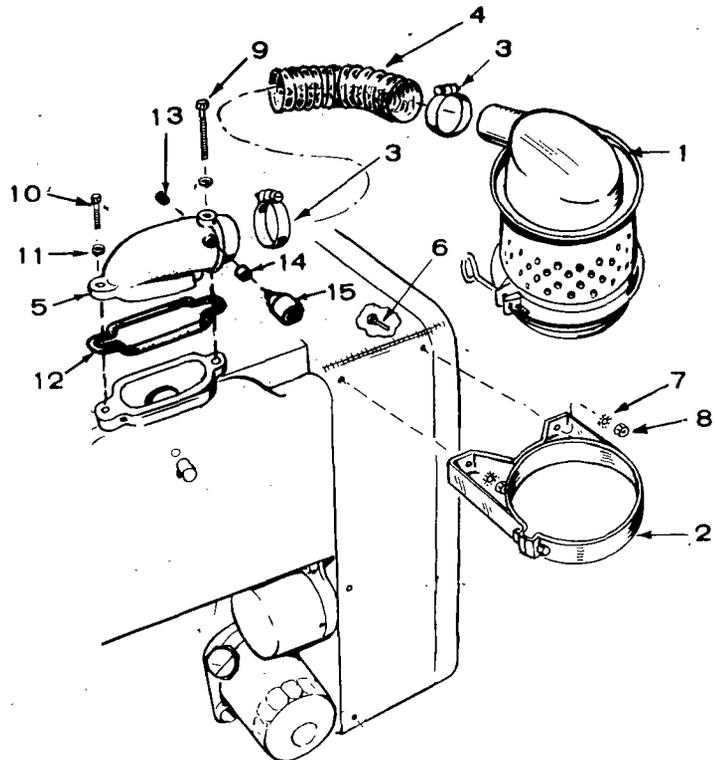
| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|---|-----------|---|----------|--|--------------------------------------|---|
| 1 | PANEL, METER | | | 4 | BREAKER, CIRCUIT (Check Original Part, Select According to Amperage and Voltage) | | |
| | | | 120/208 Volts - 3 Phase | | | | |
| | | | Sets With Frequency Meter | 320-0150 | As Req. | 20 Amp., 480 Volt (Single Pole) | |
| | 301-2204 | 1 | Spec AC | 320-0151 | As Req. | 25 Amp., 480 Volt (Single Pole) | |
| | | | Sets Without Frequency Meter | 320-0020 | As Req. | 35 Amp., 120/240 Volt (Single Pole) | |
| | 301-2088 | 1 | Begin Spec AA | 320-0153 | As Req. | 40 Amp., 240 Volt (Single Pole) | |
| | | | 120/240 Volts | 320-0198 | As Req. | 45 Amp., 240 Volt (Single Pole) | |
| | | | Sets With Frequency Meter - Three Phase | 320-0052 | As Req. | 50 Amp., 240 Volt (Single Pole) | |
| | | | Begin Spec AA Through Spec AB | 320-0195 | As Req. | 55 Amp., 240 Volt (Single Pole) | |
| | 301-2204 | 1 | Sets With Frequency Meter - 1 Phase | 320-0021 | As Req. | 60 Amp., 240 Volt (Single Pole) | |
| | | | Spec AA - 50 Hertz | 320-0366 | As Req. | 65 Amp., 240 Volt (Single Pole) | |
| | 301-2288 | 1 | Spec AC - 60 Hertz | 320-0148 | As Req. | 70 Amp., 240 Volt (Single Pole) | |
| | 301-2288 | 1 | Sets Without Frequency Meter - 1 Phase | 320-0367 | As Req. | 75 Amp., 240 Volt (Single Pole) | |
| | | | Spec AA, Spec AC | 320-0251 | As Req. | 100 Amp., 240 Volt (Single Pole) | |
| | 301-1554 | 1 | 277/480 Volts - 3 Phase | 320-0486 | As Req. | 20 Amp., 480 Volt (3 Pole Companion) | |
| | | | Sets With Frequency Meter | 320-0487 | As Req. | 25 Amp., 480 Volt (3 Pole Companion) | |
| | | | Spec AA, Spec AC | 320-0488 | As Req. | 30 Amp., 480 Volt (3 Pole Companion) | |
| | 301-2308 | 1 | Sets Without Frequency Meter | 320-0514 | As Req. | 15 Amp., 600 Volt (3 Pole Companion) | |
| | | | Spec AA, Spec AC | 320-0459 | As Req. | 20 Amp., 600 Volt (3 Pole Companion) | |
| | 301-2373 | 1 | 347/600 Volts - 3 Phase | 5 | 308-0012 | 1 | Switch, Voltmeter Selector (3 Phase Only) |
| | | | Sets With Frequency Meter | 6 | 303-0076 | 1 | Knob, Selector Switch (3 Phase Only) |
| | 301-3736 | 1 | Spec AC | 7 | METER, FREQUENCY (Check Meter Face for Part Numbers) | | |
| 2 | AMMETER, AC (Check Scale, Select According to Rating) | | | 302-0213 | 1 | 100 through 150 Volt, 60 Hertz | |
| | 302-0460 | As Req. | Scale Reads 0-20 | 302-0221 | 1 | 200 through 250 Volt, 60 Hertz | |
| | 302-0418 | As Req. | Scale Reads 0-30 | 302-0716 | 1 | 480 Volt, 60 Hertz | |
| | 302-0444 | As Req. | Scale Reads 0-35 | 302-0717 | 1 | 600 Volt, 60 Hertz | |
| | 302-0419 | As Req. | Scale Reads 0-50 | 302-0234 | 1 | 100 through 150 Volt, 50 Hertz | |
| | 302-0458 | As Req. | Scale Reads 0-80 | 302-0256 | 1 | 200 through 250 Volt, 50 Hertz | |
| | 302-0410 | As Req. | Scale Reads 0-150 | 302-0825 | 1 | 480 Volt, 50 Hertz | |
| 3 | VOLTMETER, AC (Check Scale, Select According to Rating) | | | 302-0788 | 1 | 600 Volt, 50 Hertz | |
| | 302-0420 | 1 | Scale Reads 0-150 | 8 | 302-0488 | 1 | Plate, Meter Face |
| | 302-0421 | 1 | Scale Reads 0-300 | 9 | SWITCH - HOUSED SETS | | |
| | 302-0422 | 1 | Scale Reads 0-600 | 308-0002 | 1 | Panel Lights | |
| | 302-0423 | 1 | Scale Reads 0-750 | 308-0154 | 1 | Start/Stop | |
| | 302-0612 | 1 | Scale Reads 0-500 | 10 | 322-0004 | 2 | Lamp, Panel Light |
| | | | | 11 | 322-0072 | 2 | Socket, Panel Light |
| | | | | 12 | METER, RUNNING TIME | | |
| | | | | 302-0465 | 1 | 120 Volt, 60 Hertz | |
| | | | | 302-0466 | 1 | 240 Volt, 60 Hertz | |
| | | | | 302-0467 | 1 | 480 Volt, 60 Hertz | |
| | | | | 302-0468 | 1 | 120 Volt, 50 Hertz | |
| | | | | 302-0469 | 1 | 240 Volt, 50 Hertz | |
| | | | | 13 | 304-0536 | 1 | Resistor, Dropping (Fixed) Running Time Meter - 600 Volt Sets (9000-Ohm, 50 Watt) |
| | | | | 14 | BAR, CIRCUIT BREAKER TIE | | |
| | | | | 320-0187 | 1 | For 3 Circuit Breakers | |
| | | | | 320-0202 | 1 | For 2 Circuit Breakers | |

OPTIONAL HOUSING

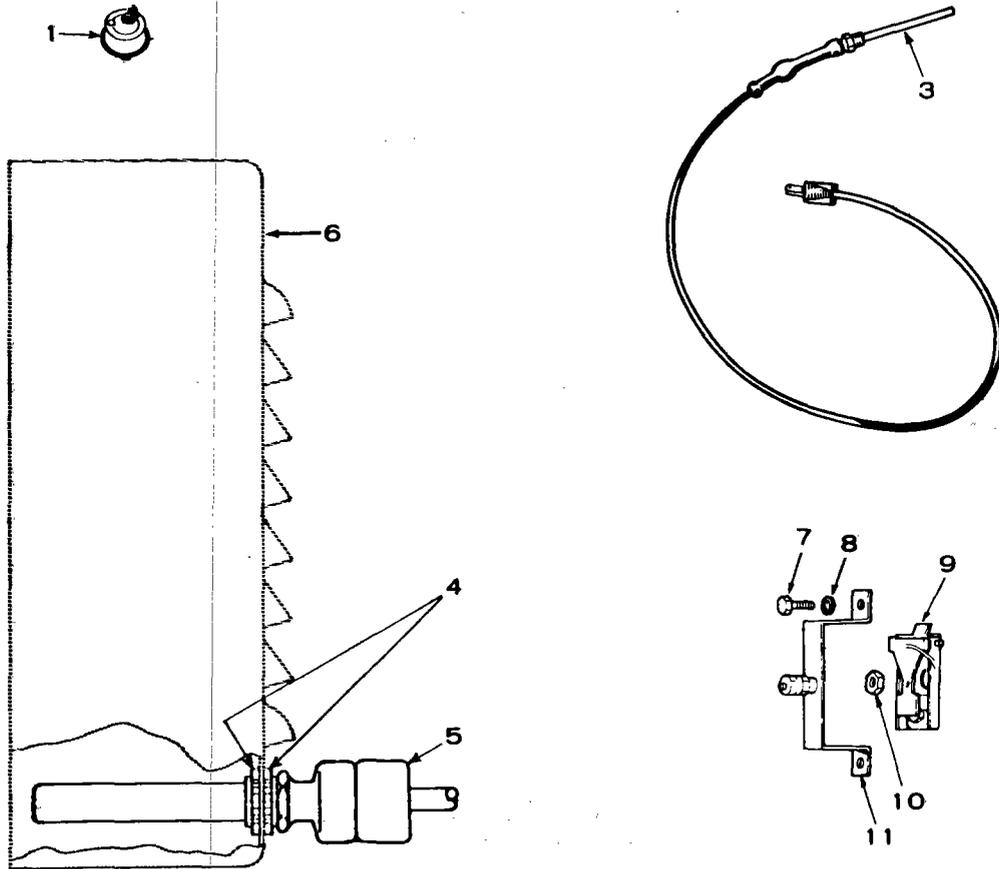
| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION | REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|-----------------------------|-----------|------------------------------|----------|------------------------|-----------|--|
| 1 | 403-0661 | 1 | Base | 18 | 405-1139 | 2 | Spring, Shoulder Pin (Rear Panel) |
| 2 | 405-1323 | 1 | Panel, Upper - Engine End | 19 | 526-0115 | 2 | Washer, Shoulder Pin (Rear Panel) |
| 3 | 405-1333 | 1 | Panel, Lower - Engine End | 20 | 516-0039 | 2 | Pin, Shoulder Pin |
| 4 | PANEL, REAR - GENERATOR END | | | 21 | 520-0490 | 2 | Stud, Battery Hold-down |
| | 405-1322 | 1 | Sets Without Meter Panel | 22 | DUCT, EXHAUST MANIFOLD | | |
| | 405-1331 | 1 | Sets With Meter Panel | | 134-1805 | 1 | Sets Without Shutters |
| 5 | PANEL, DOOR - REAR END | | | | 134-3754 | 1 | Sets With Shutters |
| | 405-1329 | 1 | Sets Without Meter Panel | 23 | 405-1181 | 2 | Stop, Door |
| | 405-1332 | 1 | Sets With Meter Panel | 24 | 503-0423 | 1 | Hose, Flexible - Generator Air Duct |
| 6 | 405-1330 | 1 | Panel, Generator Access | 25 | 336-0476 | 1 | Strap, Ground - Engine to Frame |
| 7 | 405-1326 | 1 | Panel, Top | 26 | 895-0104 | 1 | Stripping, Foam Weather (76" Required for Housing - Cement in Place) |
| 8 | PANEL, RIGHT SIDE | | | 27 | 140-0631 | 2 | Band, Muffler |
| | 405-1342 | 1 | Sets Without Shutters | 32 | 330-0011 | 1 | Box, Junction - Housed Sets |
| | 405-1352 | 1 | Sets With Shutters | 33 | 330-0012 | 1 | Cover, Junction Box - Housed Sets |
| 9 | 405-1325 | 1 | Panel, Left Side | 34 | 331-0088 | 1 | Bushing, Junction Box - Housed Sets |
| 10 | 405-1327 | 1 | Rail, Stiffener (Right Side) | 35 | 405-1673 | 1 | Shield, Rain |
| 11 | 405-1328 | 1 | Rail, Stiffener (Left Side) | | | | |
| 12 | 405-1341 | 2 | Bracket, Stiffener Rail | | | | |
| 13 | 416-0501 | 2 | Bracket, Battery | | | | |
| 14 | 416-0502 | 1 | Frame, Battery Hold-down | | | | |
| 15 | 406-0002 | 1 | Knob, Rear Door Panel | | | | |
| 16 | 406-0105 | 2 | Fastener, Housing | | | | |
| 17 | 405-1138 | 2 | Pin, Shoulder (Rear Panel) | | | | |

OPTIONAL OIL BATH AIR CLEANER

| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------|-----------|---|
| | 140-0677 | 1 | Conversion Kit, Oil Bath Air Cleaner (Includes all parts in this group) |
| 1 | 140-0500 | 1 | Cleaner, Air - Oil Bath |
| 2 | 140-0519 | 1 | Band, Air Cleaner |
| 3 | 503-0365 | 2 | Clamp, Hose |
| 4 | 503-0444 | 1 | Hose, Air Cleaner to Adapter |
| 5 | 140-1212 | 1 | Adapter, Air Cleaner |
| 6 | 800-0003 | 2 | Screw, Cap - Hex Head (1/4-20 x 1/2") |
| 7 | 850-0040 | 2 | Washer, Lock - Spring (1/4") |
| 8 | 862-0001 | 2 | Nut, Hex (1/4-20) |
| 9 | 800-0015 | 1 | Screw, Cap - Hex Head (1/4-20 x 3") |
| 10 | 800-0007 | 1 | Screw, Cap - Hex Head (1/4-20 x 1") |
| 11 | 850-0040 | 2 | Washer, Lock - Spring (1/4") |
| 12 | 140-0584 | 1 | Gasket, Adapter Mounting |
| 13 | 505-0008 | 1 | Plug, Slotted - Intake Manifold |
| 14 | 140-1260 | 1 | Fitting |
| 15 | 140-0961 | 1 | Indicator Assembly, Service |



MISCELLANEOUS OPTIONAL PARTS



| REF. NO. | PART NO. | QTY. USED | PART DESCRIPTION |
|----------|----------------------------|-----------|---|
| 1 | 309-0169 | 1 | Switch, Low Oil Pressure |
| 3 | 102-0558 | 1 | Heater, Oil Base |
| 4 | 331-0041 | 2 | Nut, Lock (1/2") - Begin Spec AA |
| 5 | 333-0184 | 1 | Heater, Generator Space |
| 6 | COVER, END BELL | | |
| | 234-0541 | 1 | Housed Sets |
| | 234-0542 | 1 | Sets Without Overspeed Switch |
| | 234-0543 | 1 | Sets With Overspeed Switch |
| 7 | SCREW | | |
| | 813-0100 | 2 | Machine - Round Head (#10-32 x 1/2") - Spec A Through Z |
| | 800-0003 | 2 | Cap - Hex Head (1/4-20 x 1/2") - Begin Spec AA |
| 8 | WASHER, LOCK - SPRING | | |
| | 850-0030 | 2 | #10 - Spec A Through Z |
| | 850-0040 | 2 | 1/4" - Begin Spec AA |
| 9 | SWITCH, OVERSPEED | | |
| | 150-0956 | 1 | 60 Hertz Sets |
| | 150-1661 | 1 | 50 Hertz Sets |
| 10 | 868-0004 | 1 | Nut, Jam - Hex Head (7/16-20) |
| 11 | BRACKET AND POINT ASSEMBLY | | |
| | 150-0958 | 1 | Spec A Through Z |
| | 150-1446 | 1 | Begin Spec AA |