



# **Parts Manual**

## **Compressor Model**

### **NHP-1500WCU**

**Code: B**



Ingersoll Rand Company  
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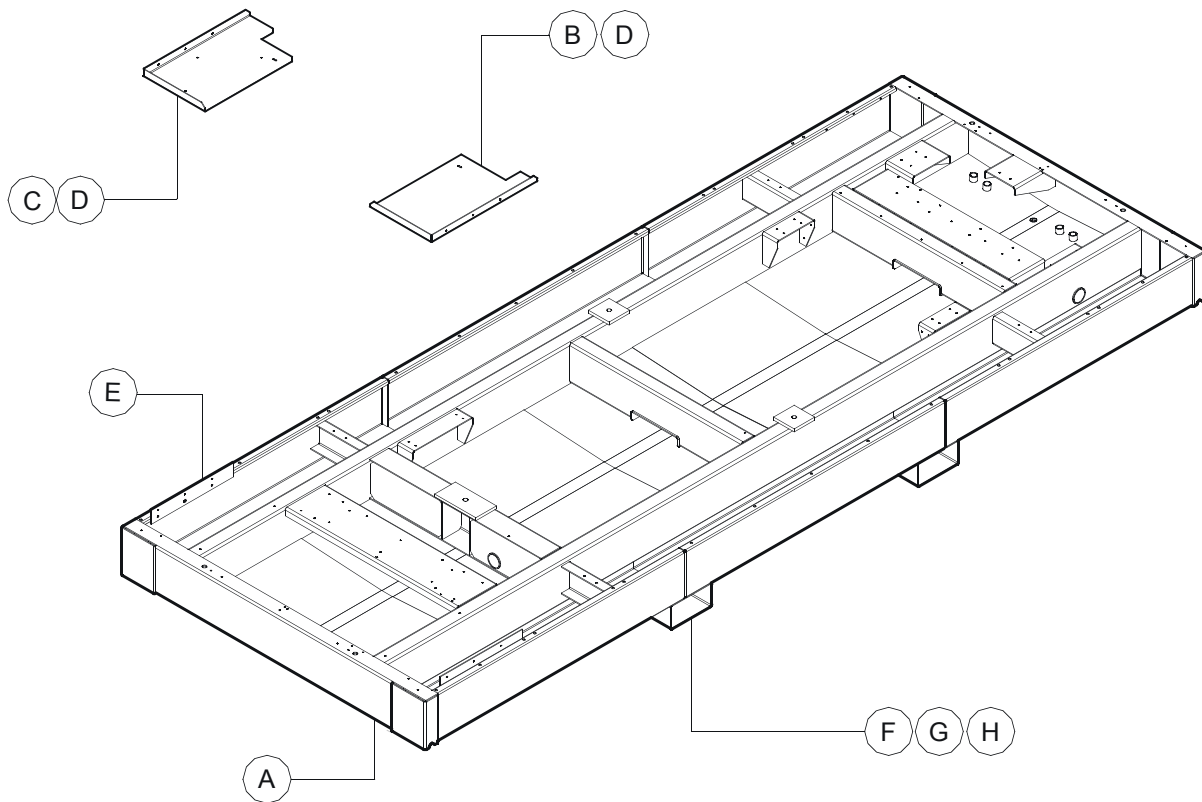
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***\*\*Always use Ingersoll Rand Replacement parts!\*\****



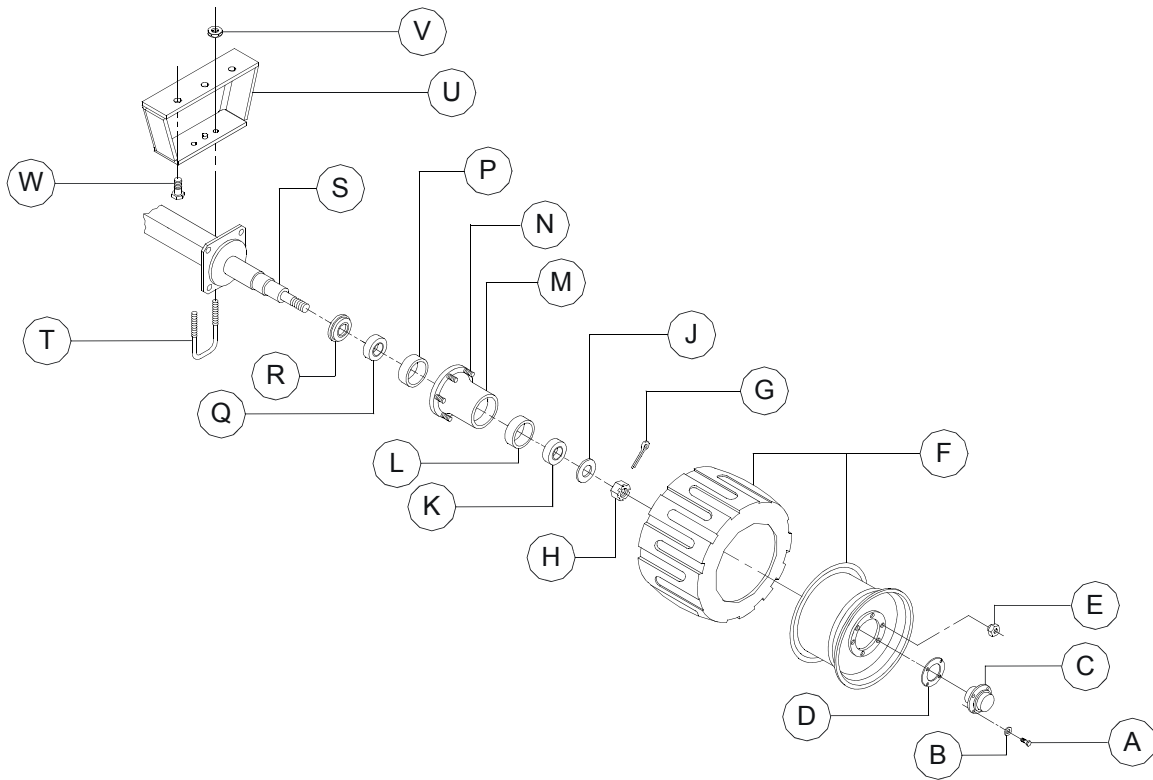
## **Parts List - Frame Assembly**

## Frame Assembly



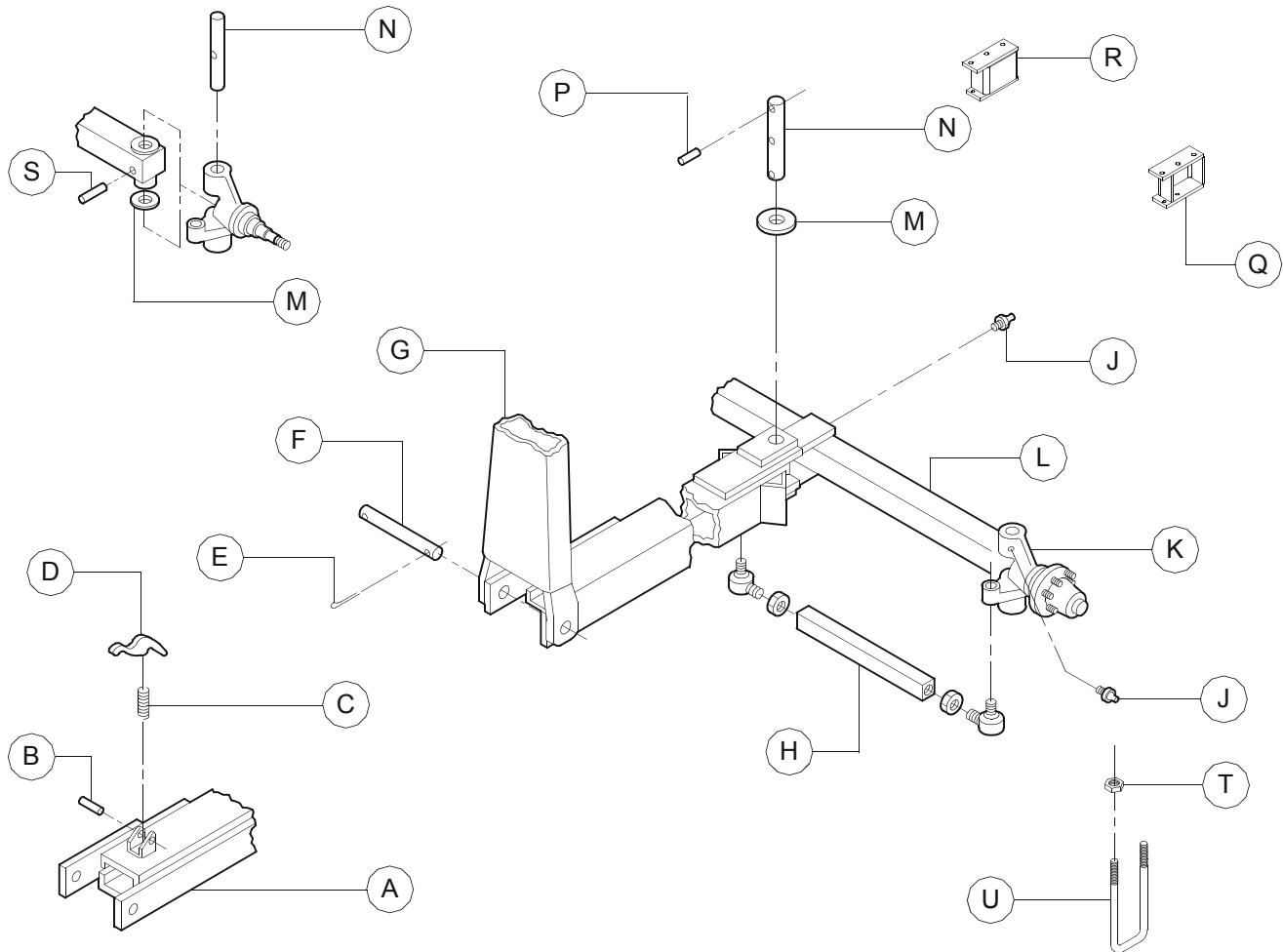
| ITEM | COMM. NO. | DESCRIPTION       | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------|-----|------------------|
| A    | 36922185  | Frame Assembly    | 1   |                  |
| B    | 54631684  | Plate, R.H. Cover | 1   |                  |
| C    | 54631676  | Plate, L.H. Cover | 1   |                  |
| D    | 35279025  | Screw             | *   |                  |
| E    | 54631668  | Support, Plate    | 2   |                  |
| F    | 54500798  | Tube, Forklift    | 2   |                  |
| G    | 36763670  | Screw             | 8   |                  |
| H    | 54676796  | Washer            | 8   |                  |

## Running Gear Assembly



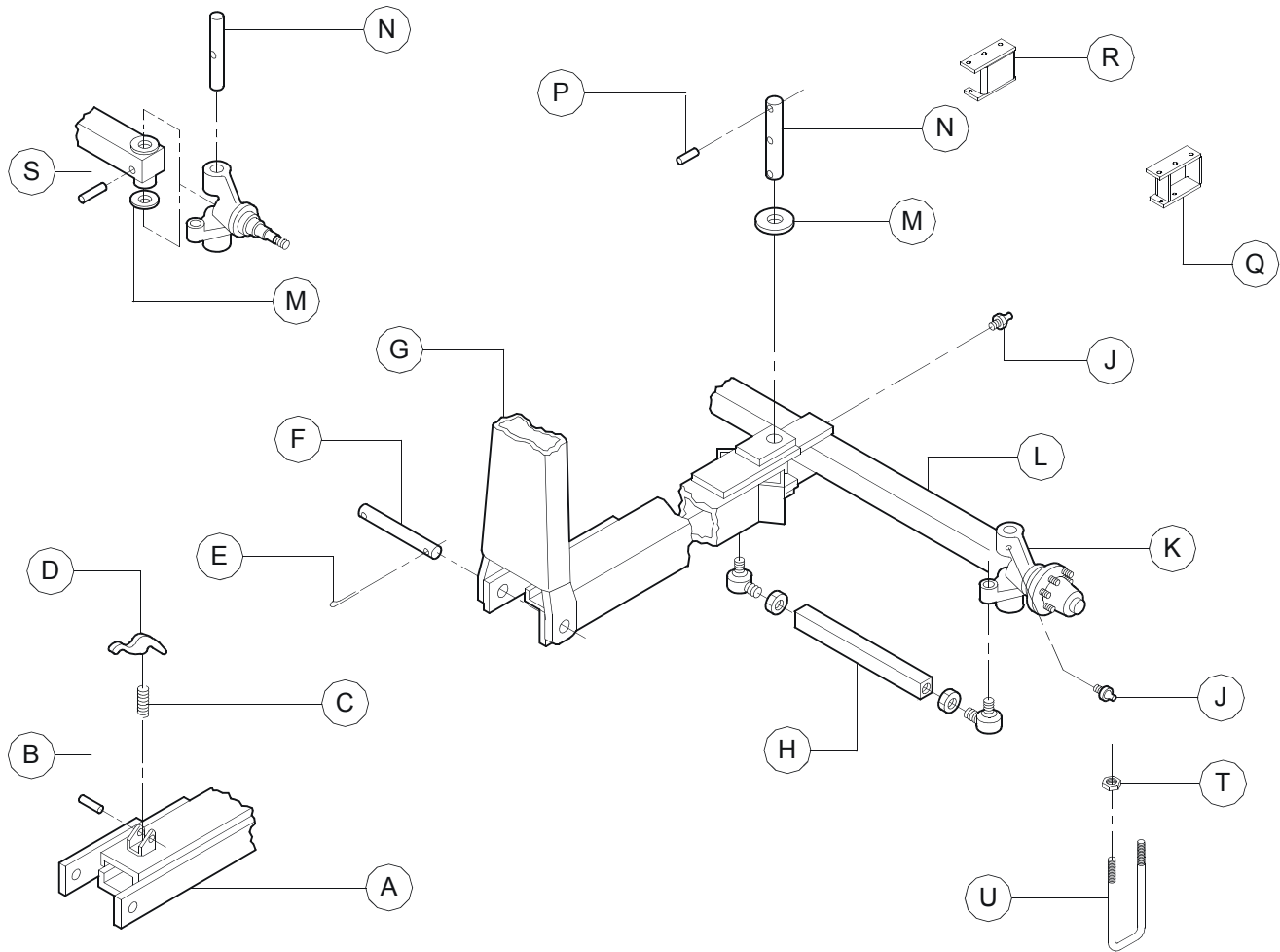
| ITEM | COMM. NO. | DESCRIPTION             | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------|-----|------------------|
| A    | 54677240  | Screw                   | 24  |                  |
| B    | 54677257  | Washer                  | 24  |                  |
| C    | 54677224  | Cap, Grease             | 6   |                  |
| D    | 54677232  | Gasket                  | 6   |                  |
| E    | 54676705  | Nut                     | 36  |                  |
| F    | 54676689  | Wheel and Tire Assembly | 6   |                  |
| G    | 35281229  | Pin, Cotter             | 6   |                  |
| H    | 35360098  | Nut, Spindle            | 6   |                  |
| J    | 35360080  | Washer, Spindle         | 6   |                  |
| K    | 54677182  | Cone, Outer Bearing     | 6   |                  |
| L    | 54677190  | Cup, Outer Bearing      | 6   |                  |
| M    | 54676853  | Front Hub Assembly      | 2   |                  |
|      | 54676879  | Rear Hub Assembly       | 4   |                  |
| N    | 54677265  | Stud, Wheel             | 36  |                  |
| P    | 54677208  | Cup, Inner Bearing      | 6   |                  |
| Q    | 54677174  | Cone, Inner Bearing     | 6   |                  |
| R    | 54677216  | Seal                    | 6   |                  |
| S    | 54676648  | Rear Axle Assembly      | 2   |                  |
| T    | 54676747  | U-Bolt                  | 8   |                  |
| U    | 54385752  | Support, Rear Axle      | 4   |                  |
| V    | 54676762  | Nut                     | 16  |                  |
| W    | 36763670  | Screw                   | 12  |                  |

## Running Gear Assembly



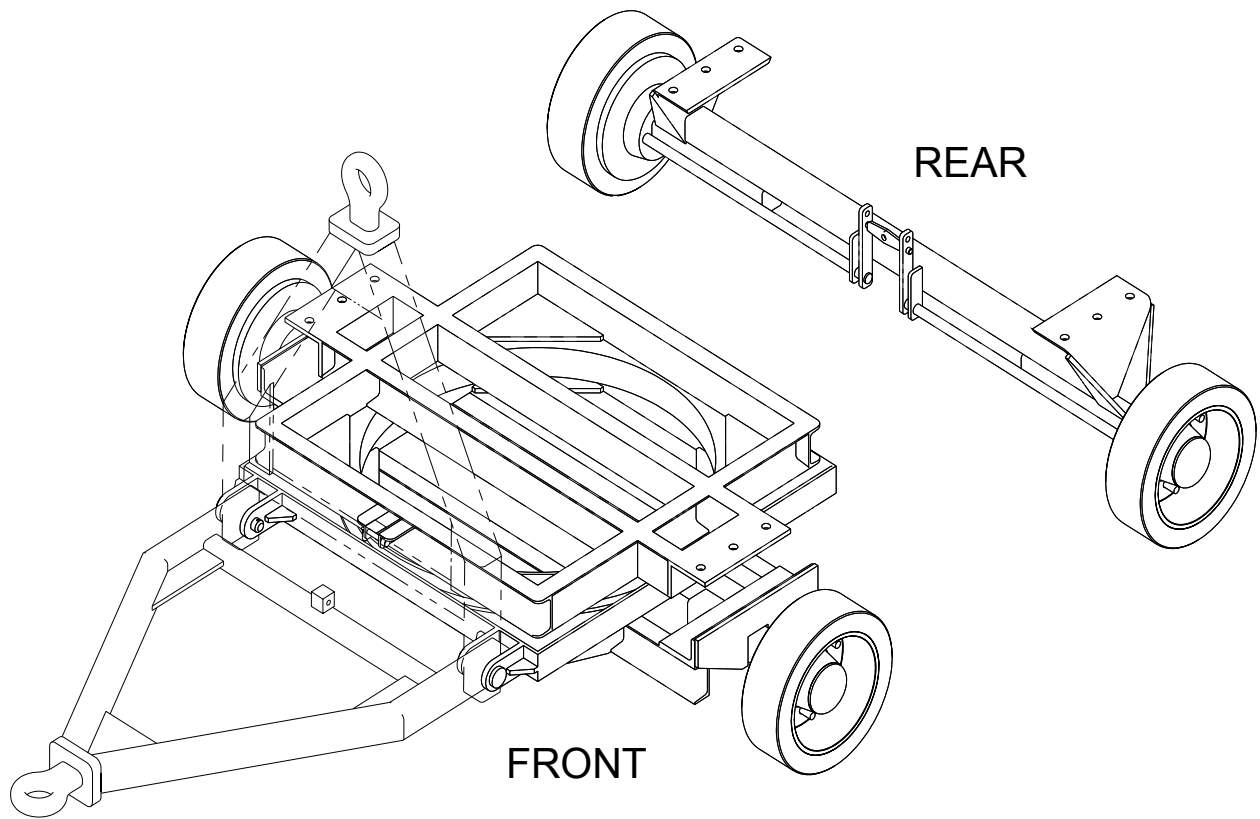
| ITEM | COMM. NO. | DESCRIPTION            | QTY | DIMENSIONS/NOTES      |
|------|-----------|------------------------|-----|-----------------------|
| A    | 54676804  | Center Arm Assembly    | 1   |                       |
| B    | 35281666  | Pin, Roll              | 1   |                       |
| C    | 35281674  | Spring                 | 1   |                       |
| D    | 54676812  | Latch, Pedal           | 1   |                       |
| E    |           |                        | *   |                       |
| F    |           |                        | *   |                       |
| G    | 54676663  | Drawbar Assembly       | 1   |                       |
| H    | 54676796  | Tie Rod Assembly       | 2   |                       |
| J    | 35281773  | Fitting, Lube          | 6   |                       |
| K    | 54676838  | Knuckle Assembly, R.H. | 1   |                       |
|      | 54676820  | Knuckle Assembly, L.H. | 1   |                       |
| L    | 54676622  | Front Axle Assembly    | 1   |                       |
| M    | 54676903  | Washer                 | 4   |                       |
| N    | 54677166  | Pin, King              | 3   |                       |
|      |           |                        |     | <b>Continued.....</b> |

## Running Gear Assembly



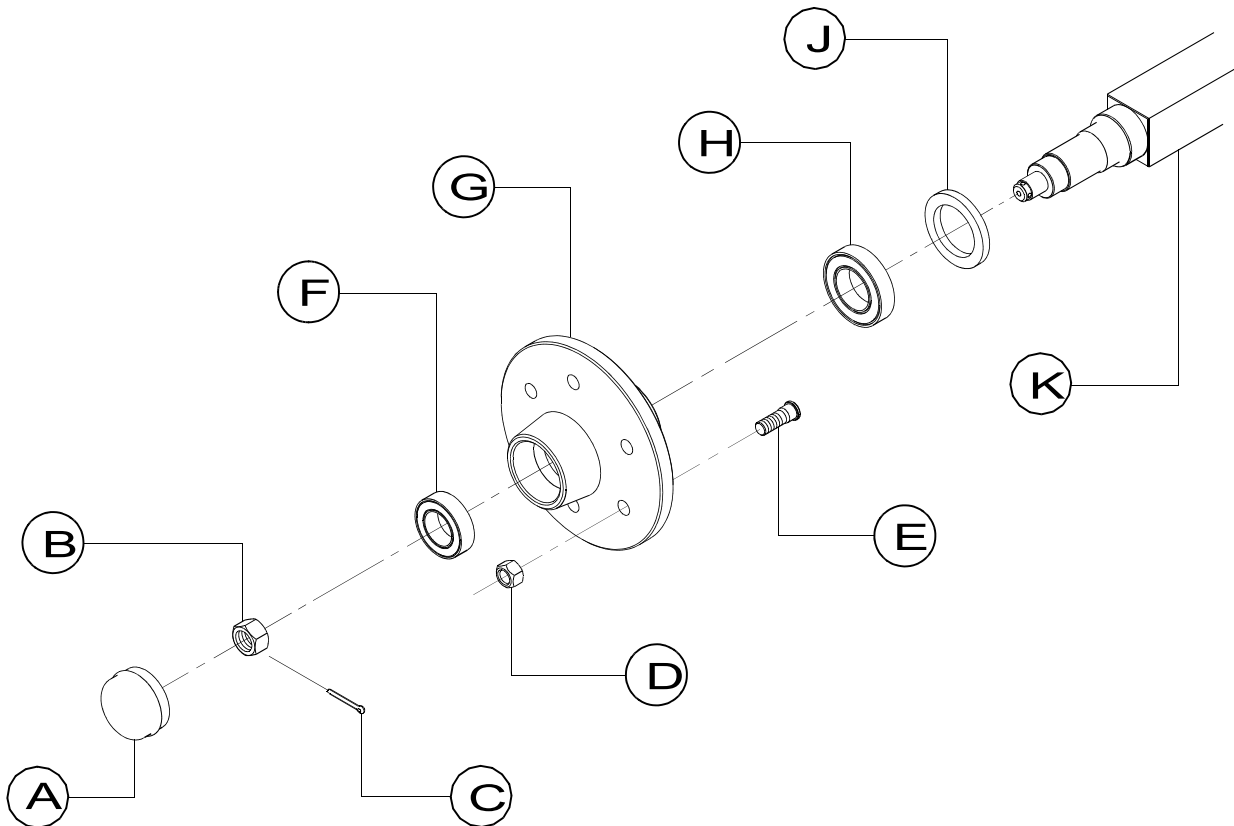
| ITEM | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES       |
|------|-----------|----------------------|-----|------------------------|
| P    | 54676945  | Pin, Spring          | 1   | ..... <i>Continued</i> |
| Q    | 54424114  | Support, L.H.        | 1   |                        |
| R    | 54424569  | Support, R.H.        | 1   |                        |
| S    | 54676929  | Pin, Roll            | 2   |                        |
|      | 35603661  | Bracket, Wheel Chock | 2   |                        |
|      | 35333830  | Straps, Wheel Chock  | 2   |                        |
|      | 35603190  | Chock, Wheel         | 2   |                        |
| T    | 54676762  | Nut                  | 12  |                        |
| U    | 54676747  | U-Bolt               | 2   |                        |
|      |           |                      |     |                        |

## Steerman Running Gear Assembly



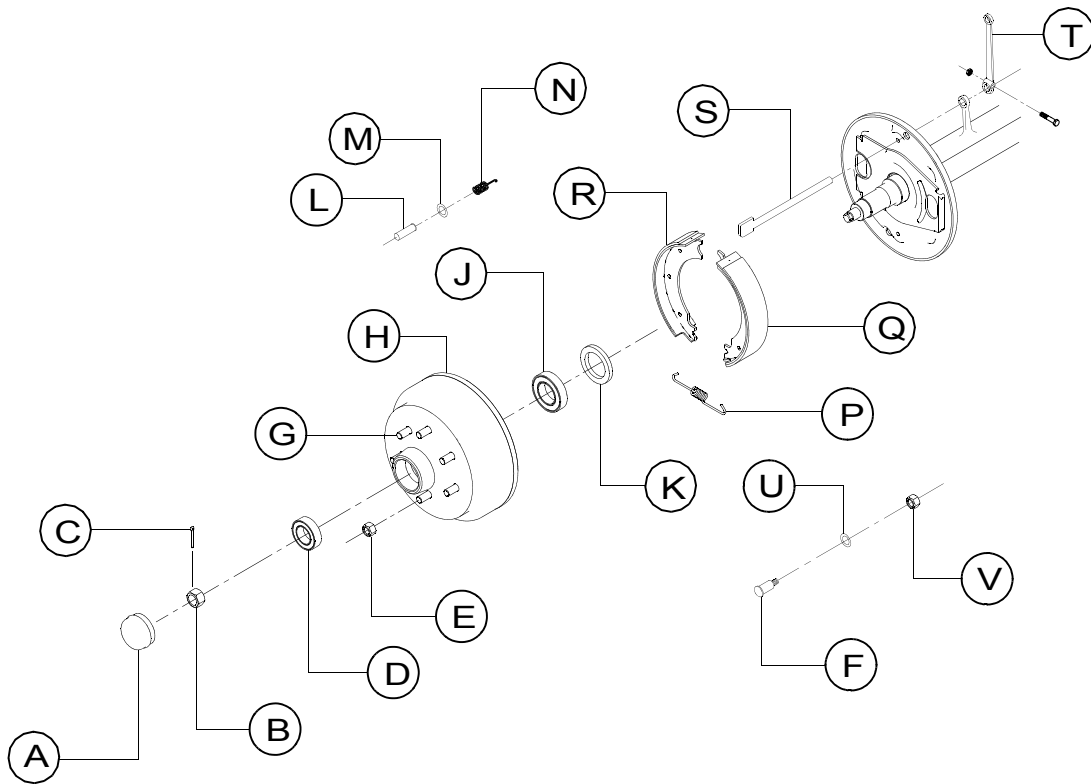


## Steerman Running Gear Assembly



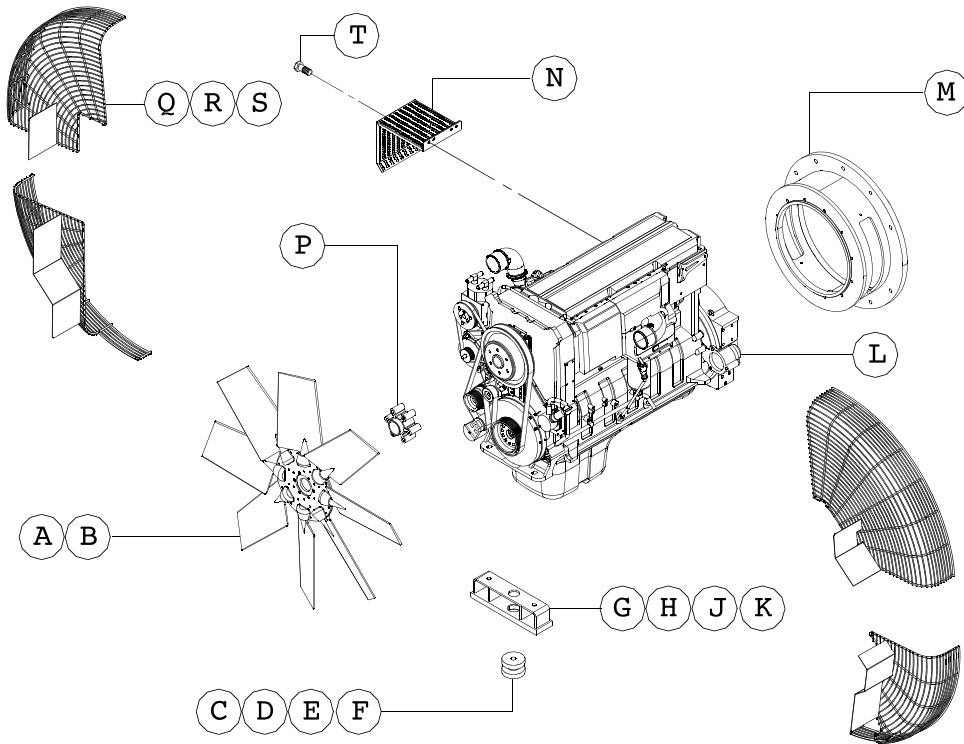
| ITEM                  | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|-----------------------|-----------|-----------------------------|-----|------------------|
| Front Axle Parts List |           |                             |     |                  |
| A                     | 23021140  | Cap, Hub                    | 2   |                  |
| B                     | 23021157  | Nut, Hub                    | 2   |                  |
| C                     | 23021132  | Pin, Cotter                 | 2   |                  |
| D                     | 23021124  | Nut, Wheel                  | 12  |                  |
| E                     | 23021108  | Stud                        | 12  |                  |
| F                     | 23021165  | Bearing, Outer Taper Roller | 2   |                  |
| G                     | 23021116  | Hub                         | 2   |                  |
| H                     | 23021090  | Bearing, Inner Roller       | 2   |                  |
| J                     | 23021082  | Seal, Grease                | 2   |                  |
| K                     | 23021074  | Axle                        | 1   |                  |
|                       | 23021181  | Wheel and Tire Assembly     | 2   |                  |

## Steerman Running Gear Assembly



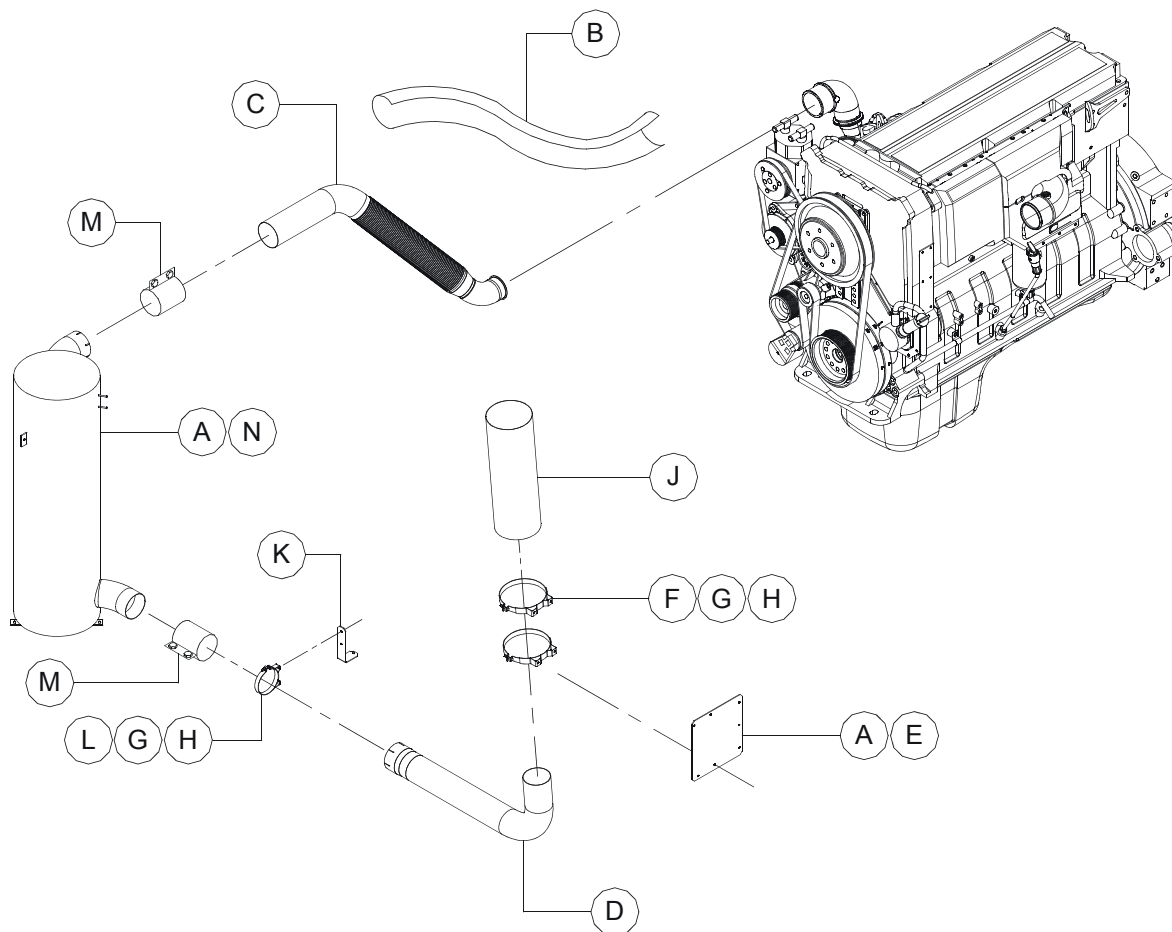
| ITEM                 | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|----------------------|-----------|-----------------------------|-----|------------------|
| Rear Axle Parts List |           |                             |     |                  |
| A                    | 23021140  | Cap, Hub                    | 2   |                  |
| B                    | 23021157  | Nut, Hub                    | 2   |                  |
| C                    | 23021132  | Pin, cotter                 | 2   |                  |
| D                    | 23021272  | Bearing, Outer Taper Roller | 2   |                  |
| E                    | 23021124  | Nut, Wheel                  | 12  |                  |
| F                    | 23021306  | Pin, Pivot                  | 2   |                  |
| G                    | 23021108  | Stud, Wheel                 | 12  |                  |
| H                    | 23021280  | Hub, Brake Drum             | 2   |                  |
| J                    | 23021264  | Bearing, Inner Taper Roller | 2   |                  |
| K                    | 23021298  | Seal, Grease                | 2   |                  |
| L                    | 23021256  | Pin, Brake Shoe Centering   | 4   |                  |
| M                    | 23021249  | Disc, Retaining             | 4   |                  |
| N                    | 23021231  | Spring                      | 4   |                  |
| P                    | 23021314  | Spring, Brake Shoe Return   | 2   |                  |
| Q                    | 23021215  | Shoe, Right Brake           | 2   |                  |
| R                    | 23021223  | Shoe, Left Brake            | 2   |                  |
| S                    | 23021207  | Shaft, Cam                  | 2   |                  |
| T                    | 23021199  | Lever, Brake                | 1   |                  |
| U                    | 23021322  | Washer, Spring              | 2   |                  |
| V                    | 23021330  | Nut, Pivot Pin              | 2   |                  |
|                      | 23021348  | Cable, Hand Brake           | 1   |                  |
|                      | 23021355  | Lever, Hand Brake           | 1   |                  |

## Engine Assembly



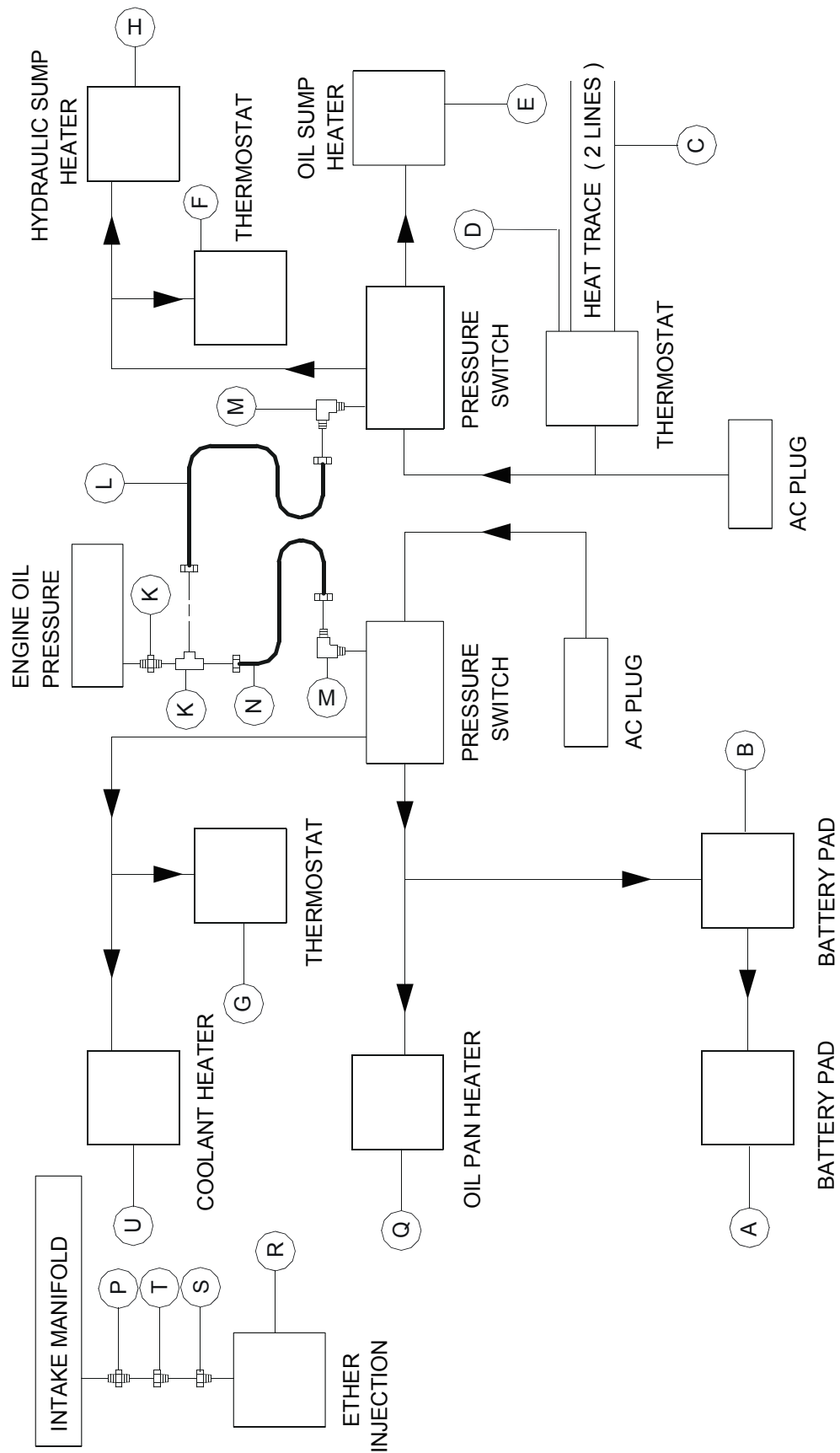
| ITEM | COMM. NO. | DESCRIPTION            | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------|-----|------------------|
| A    | 36884047  | Fan, 54 inch           | 1   |                  |
| B    | 95104303  | Screw                  | 6   |                  |
| C    | 36921302  | Mount, Rubber          | 1   |                  |
| D    | 54610621  | Washer                 | 1   |                  |
| E    | 54720768  | Screw                  | 1   |                  |
| F    | 51206787  | Nut                    | 1   |                  |
| G    | 36921492  | Mount, Engine          | 1   |                  |
| H    | 36763670  | Screw                  | 2   |                  |
| J    | 95935011  | Washer                 | 2   |                  |
| K    | 35297340  | Nut                    | 2   |                  |
| L    | 22648430  | Engine                 | 1   |                  |
| M    | 54592951  | Adapter, Air End       | 1   |                  |
| N    | 54687322  | Guard, Turbo           | 1   |                  |
| P    | 54409339  | Spacer, Fan            | 1   |                  |
| Q    | 22244206  | Guard, Fan             | 1   |                  |
| R    | 35279025  | Screw                  | 8   |                  |
| S    | 36898096  | Screw                  | 2   |                  |
| T    | 36879492  | Screw                  | 2   |                  |
|      | 54604343  | Pump, Hydraulic        | 1   |                  |
|      | 54662028  | Filter, Engine Oil     | 1   |                  |
|      | 54662036  | Filter, Engine Fuel    | 1   |                  |
|      | 54662051  | Filter, Engine Coolant | 1   |                  |
|      | 22928873  | Belt, Engine Fan       | 1   |                  |
|      | 22065916  | Belt, Alternator       | 1   |                  |

## Exhaust Assembly



| ITEM | COMM. NO. | DESCRIPTION         | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------|-----|------------------|
| A    | 35279025  | Screw               | 8   |                  |
| B    | 54662010  | Insulation, Exhaust | 1   |                  |
| C    | 22883920  | Pipe, Flex Turbo    | 1   |                  |
| D    | 54648209  | Pipe, Exhaust       | 1   |                  |
| E    | 54656624  | Plate, Support      | 1   |                  |
| F    | 36787026  | Clamp, Band         | 2   |                  |
| G    | 36889608  | Screw               | 4   |                  |
| H    | 36881886  | Nut                 | 4   |                  |
| J    | 36787034  | Tube, Exhaust       | 1   |                  |
| K    | 54656632  | Bracket, Support    | 1   |                  |
| L    | 35303361  | Clamp, Band         | 1   |                  |
| M    | 36799807  | Clamp, Seal         | 2   |                  |
| N    | 54615752  | Muffler             | 1   |                  |

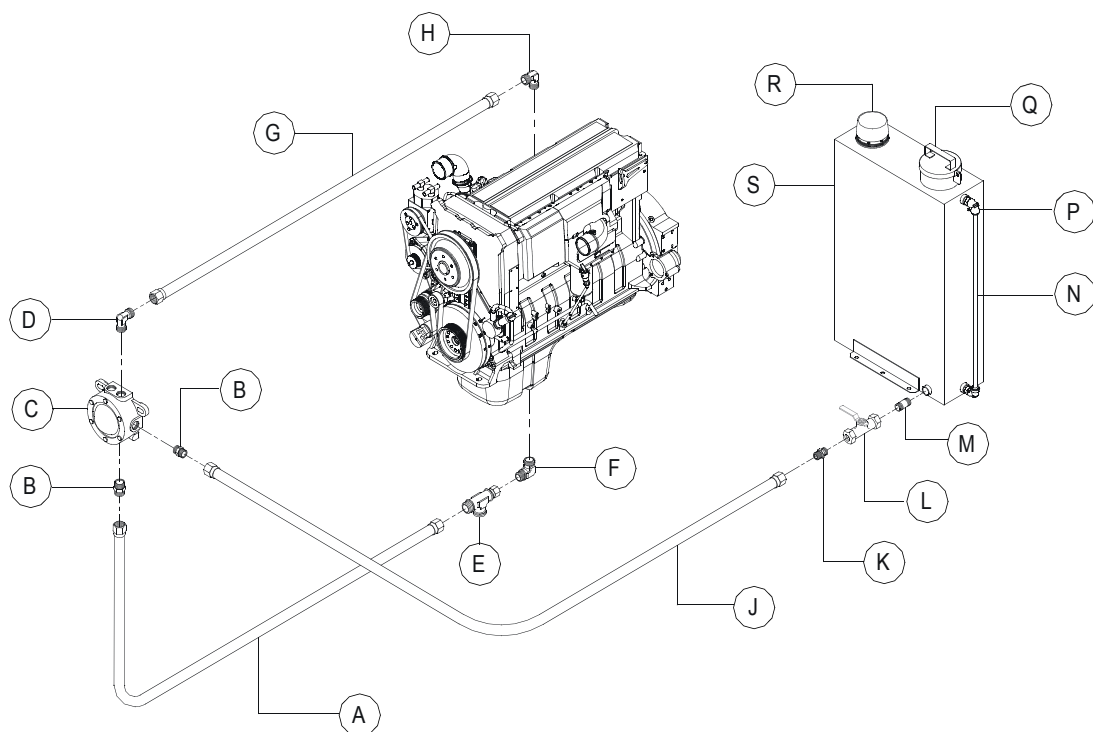
# Cold Start



# Cold Start

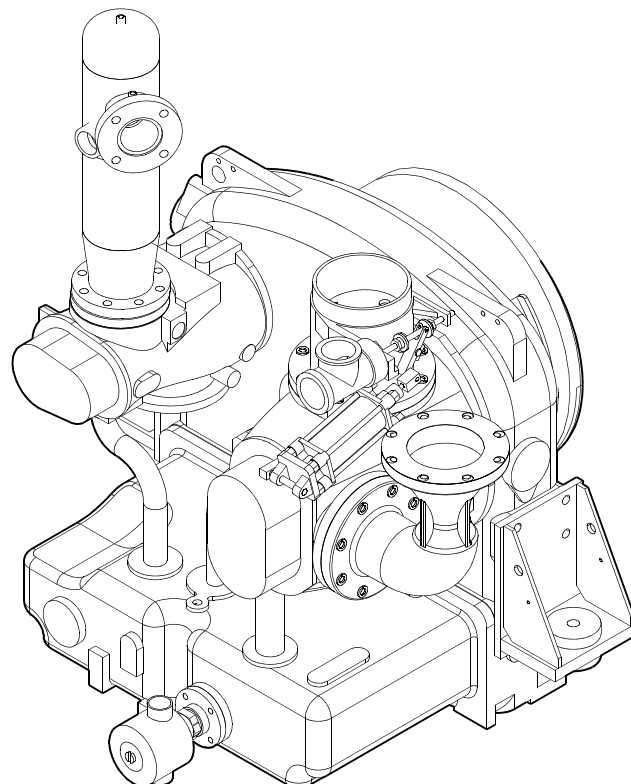
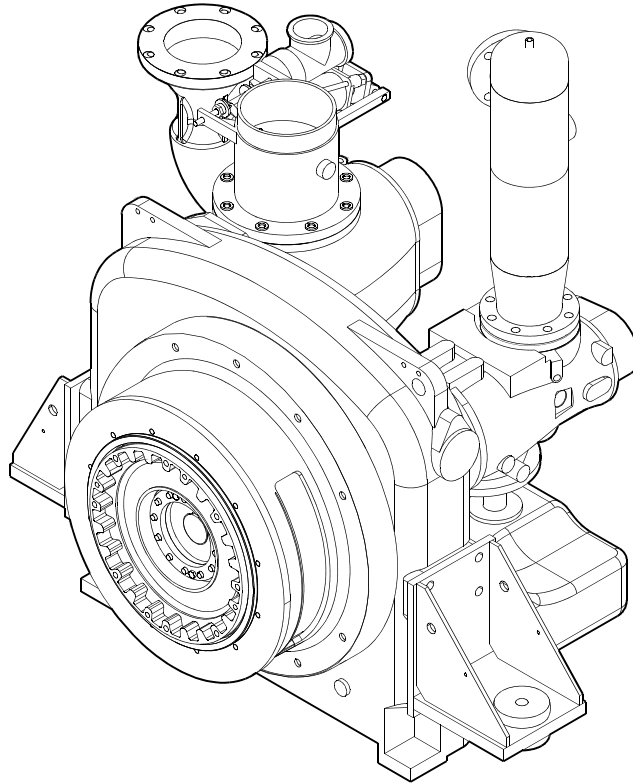
| ITEM | COMM. NO. | DESCRIPTION                        | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------------|-----|------------------|
| A    | 36920346  | Heater, Battery Pad (1 Lead)       |     |                  |
| B    | 36920338  | Heater, Battery Pad (2 Leads)      |     |                  |
| C    | 22079693  | Harness, Heat Trace Thermostat     |     |                  |
| D    | 22079701  | Heat Trace Assembly                |     |                  |
| E    | 54671607  | Heater, Air End Oil Sump           |     |                  |
| F    | 36858751  | Well, Hydraulic Thermostat         |     |                  |
| G    | 54480298  | Well, Engine Thermostat            |     |                  |
| H    | 54464631  | Heater, Hydraulic Reservoir        |     |                  |
| J    | 95419073  | Tee                                |     |                  |
| K    | 54720719  | Adapter                            |     |                  |
| L    | 35284520  | Hose Assembly                      |     |                  |
| M    | 35283464  | Elbow                              |     |                  |
| N    | 54718929  | Hose Assembly                      |     |                  |
| P    | 54720719  | Adapter                            |     |                  |
| Q    | 54464623  | Heater, Engine Oil Pan             |     |                  |
| R    | 35357052  | Ether Kit                          |     |                  |
| S    | 35602812  | Atomizer, Ether                    |     |                  |
| T    | 95930301  | Bushing                            |     |                  |
| U    | 54758404  | Heater, Engine Coolant             |     |                  |
|      | 54464664  | Harness, Engine Heaters            |     |                  |
|      | 54464672  | Harness, Air End Heaters           |     |                  |
|      | 54464607  | Engine Cold Start Heater Assembly  |     |                  |
|      | 54464615  | Air End Cold Start Heater Assembly |     |                  |

## Replenishment Oil Tank Piping



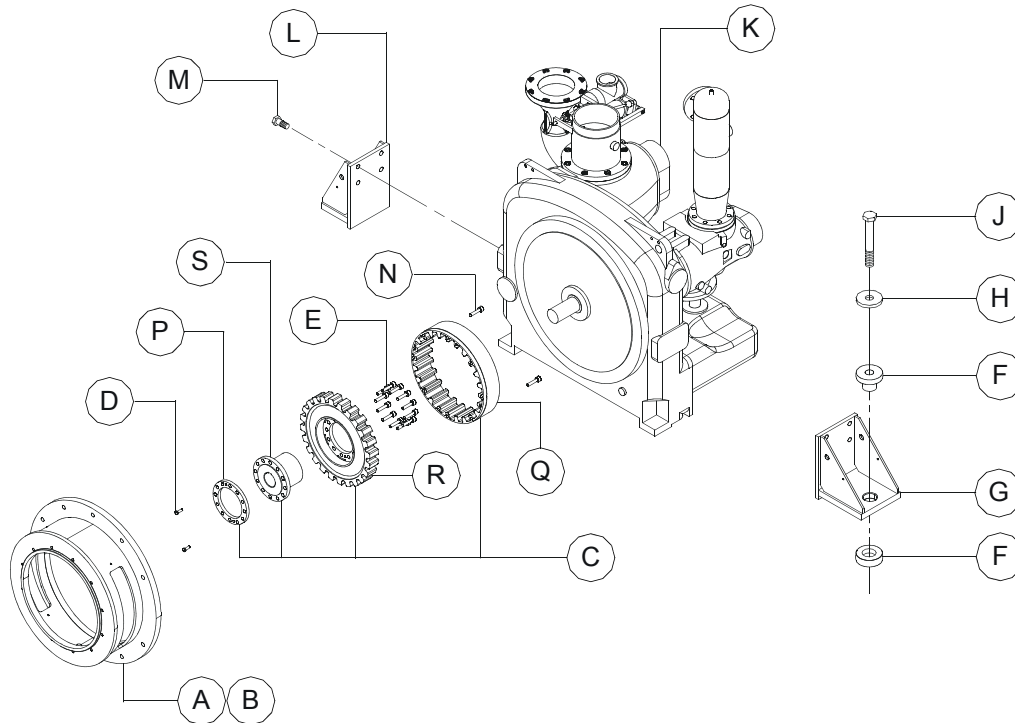
| ITEM | COMM. NO. | DESCRIPTION    | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------|-----|------------------|
| A    | 35289503  | Hose Assembly  | 1   |                  |
| B    | 35286426  | Connector      | 1   |                  |
| C    | 22053235  | Sensor, Murphy | 1   |                  |
| D    | 35309210  | Elbow          | 1   |                  |
| E    | 95951646  | Tee            | 1   |                  |
| F    | 22063937  | Elbow          | 1   |                  |
| G    | 35252782  | Hose Assembly  | 1   |                  |
| H    | 22063945  | Elbow          | 1   |                  |
| J    | 35310234  | Hose Assembly  | 1   |                  |
| K    | 35286426  | Connector      | 1   |                  |
| L    | 35581792  | Valve, Ball    | 1   |                  |
| M    | 95934279  | Nipple         | 1   |                  |
| N    | 22050926  | Tube           | 1   |                  |
| P    | 54627799  | Elbow          | 2   |                  |
| Q    | 36845014  | Cap, Filler    | 1   |                  |
| R    | 43205384  | Cap, Filler    | 1   |                  |
| S    | 22424279  | Tank, Oil      | 1   |                  |

## Air End Assembly



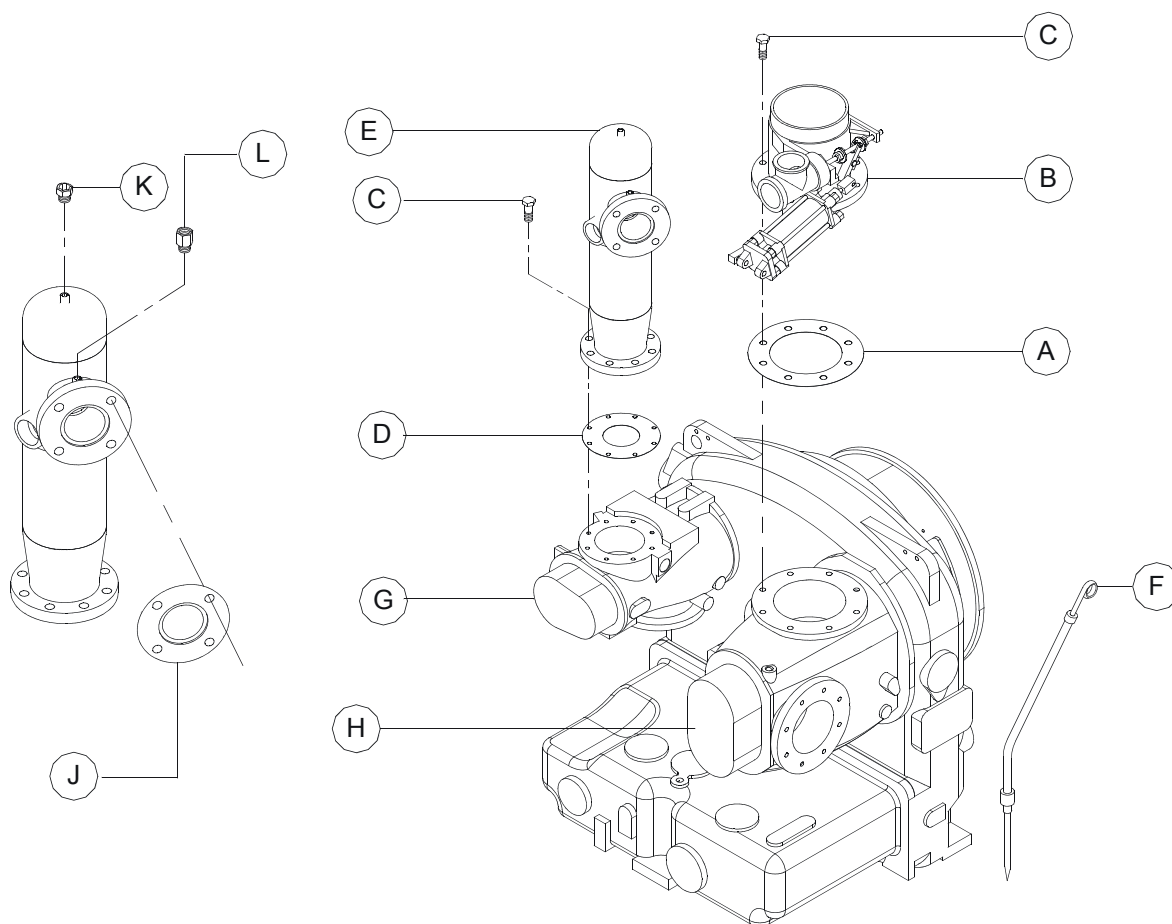


## Air End Coupling and Mounting



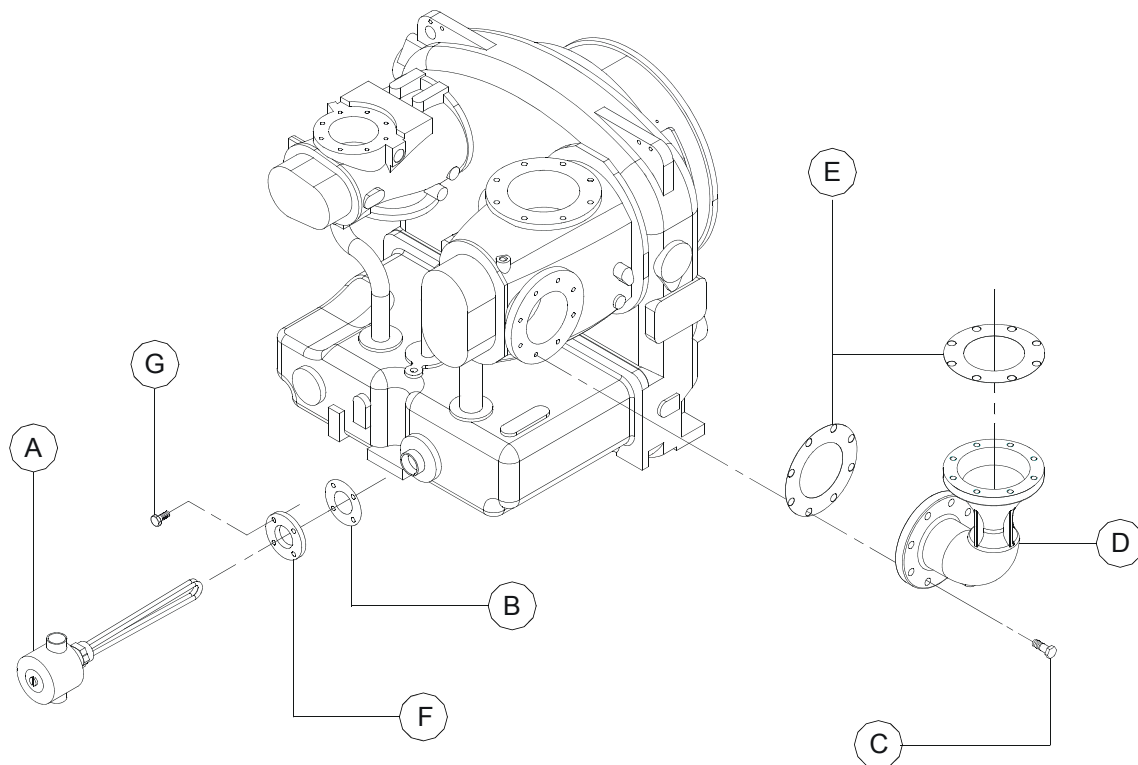
| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| A    | 54592951  | Adapter, Air End               | 1   |                  |
| B    | 39179072  | Screw                          | 10  |                  |
| C    | 54740691  | Air End Coupling Assembly      | 1   |                  |
| D    | 35271154  | Screw                          | 2   |                  |
| E    | 96725130  | Screw                          | 12  |                  |
| F    | 36921302  | Mount, Rubber                  | 2   |                  |
| G    | 36921351  | Mount, L.H. Air End            | 1   |                  |
| H    | 54610621  | Washer                         | 2   |                  |
| J    | 54720768  | Bolt                           | 2   |                  |
| K    | 54434147  | Air End Assembly               | 1   |                  |
|      | 39330741  | Low Pressure Air End Assembly  | 1   |                  |
|      | 39330758  | High Pressure Air End Assembly | 1   |                  |
| L    | 36923886  | Mount, R.H. Air End            | 1   |                  |
| M    | 35375377  | Screw                          | 8   |                  |
| N    | 95104303  | Bolt                           | 8   |                  |
| P    | 54758305  | Spacer, Coupling               | 1   |                  |
| Q    | 54758297  | Ring, Outer                    | 1   |                  |
| R    | 54758263  | Ring, Inner                    | 1   |                  |
| S    | 54758271  | Bushing, Split                 | 1   |                  |
|      | 54690102  | Adapter, Cover                 | 2   |                  |
|      | 35279025  | Screw                          | 4   |                  |
|      | 39213442  | Oil Pump Kit                   | 1   |                  |
|      | 54432612  | Gear Set                       | 1   |                  |

## Air End Inlet Valve



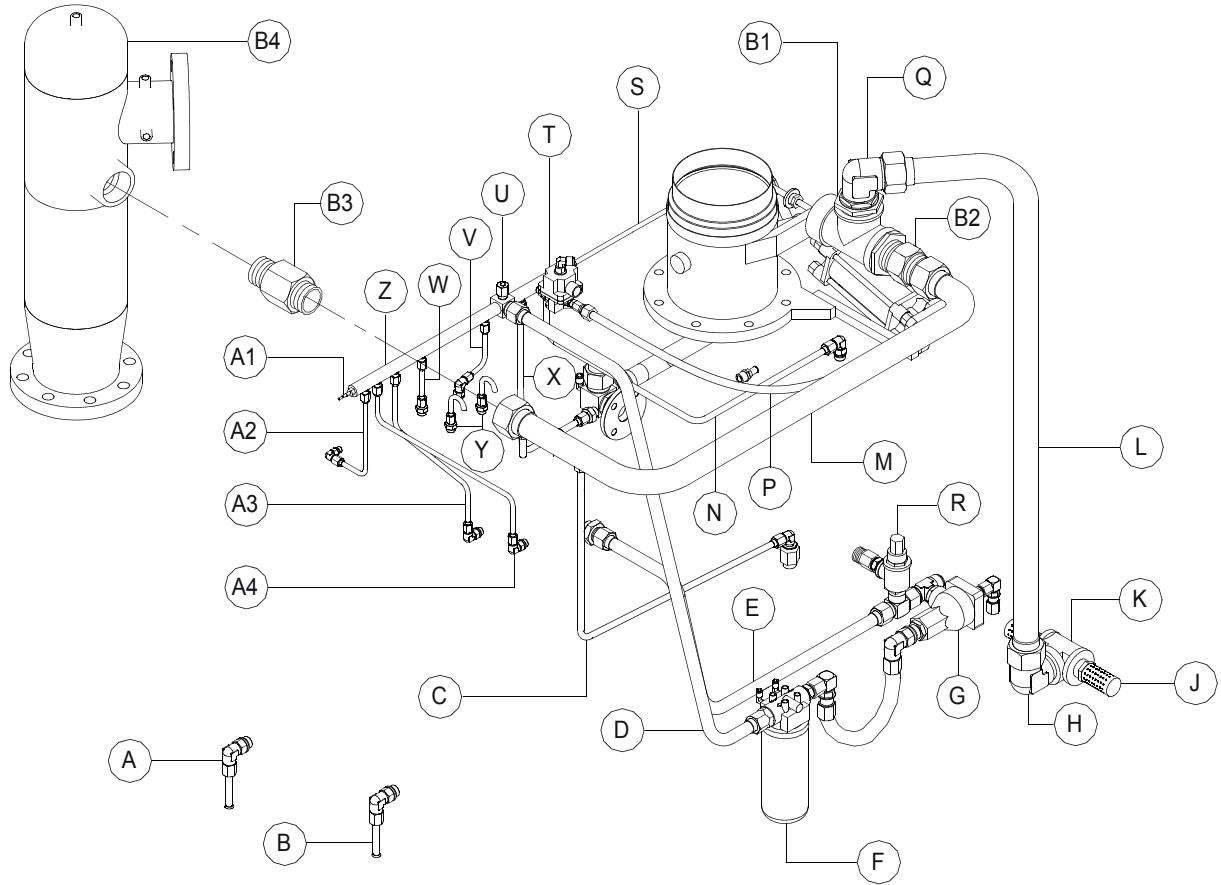
| ITEM | COMM. NO. | DESCRIPTION            | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------|-----|------------------|
| A    | 39330279  | Gasket                 | 1   |                  |
| B    | 39911110  | Valve, Air Inlet       | 1   |                  |
| C    | 39179072  | Screw                  | 16  |                  |
| D    | 39330303  | Gasket                 | 1   |                  |
| E    | 22233258  | Silencer, Second Stage | 1   |                  |
| F    | 54579057  | Oil Dip Stick Assembly | 1   |                  |
| G    | 39330758  | Air End, High Pressure | 1   |                  |
| H    | 39330741  | Air End, Low Pressure  | 1   |                  |
|      | 39213442  | Kit, Oil Pump          | 1   |                  |
|      | 54656657  | Pump, Oil              | 1   |                  |
|      | 54628151  | Coupler, Oil Pump      | 1   |                  |
|      | 39925425  | Driver, Oil Pump       | 1   |                  |
|      | 54432612  | Set, Gear              | 1   |                  |
| J    | 39330287  | Gasket                 | 1   |                  |
| K    | 95252409  | Plug                   | 1   |                  |
| L    | 95371829  | Bushing, Reducing      | 1   |                  |

## Air End - 1st Stage Inlet



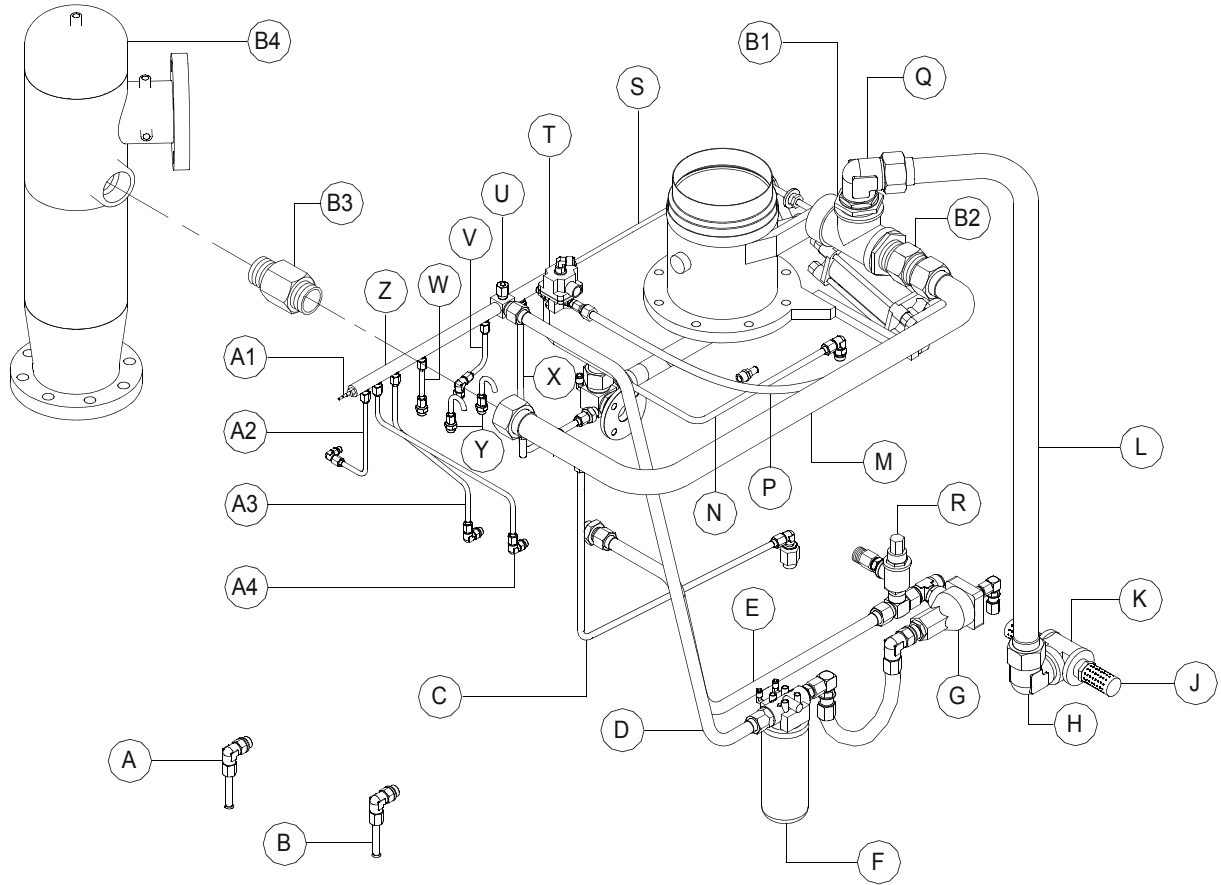
| ITEM | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------|-----|------------------|
| A    | 54671607  | Heater, Sump         | 1   | 120 Volt         |
|      | 54678941  | Heater, Sump         | 1   | 240 Volt         |
| B    | 39497904  | Gasket, Heater       | 1   |                  |
| C    | 39179072  | Screw                | 8   |                  |
| D    | 39913124  | Venturi, First Stage | 1   |                  |
| E    | 39464433  | Gasket               | 1   |                  |
| F    | 39497912  | Plate                | 1   |                  |
| G    | 36877793  | Screw                | 4   |                  |

## Air End Tubing and Fittings



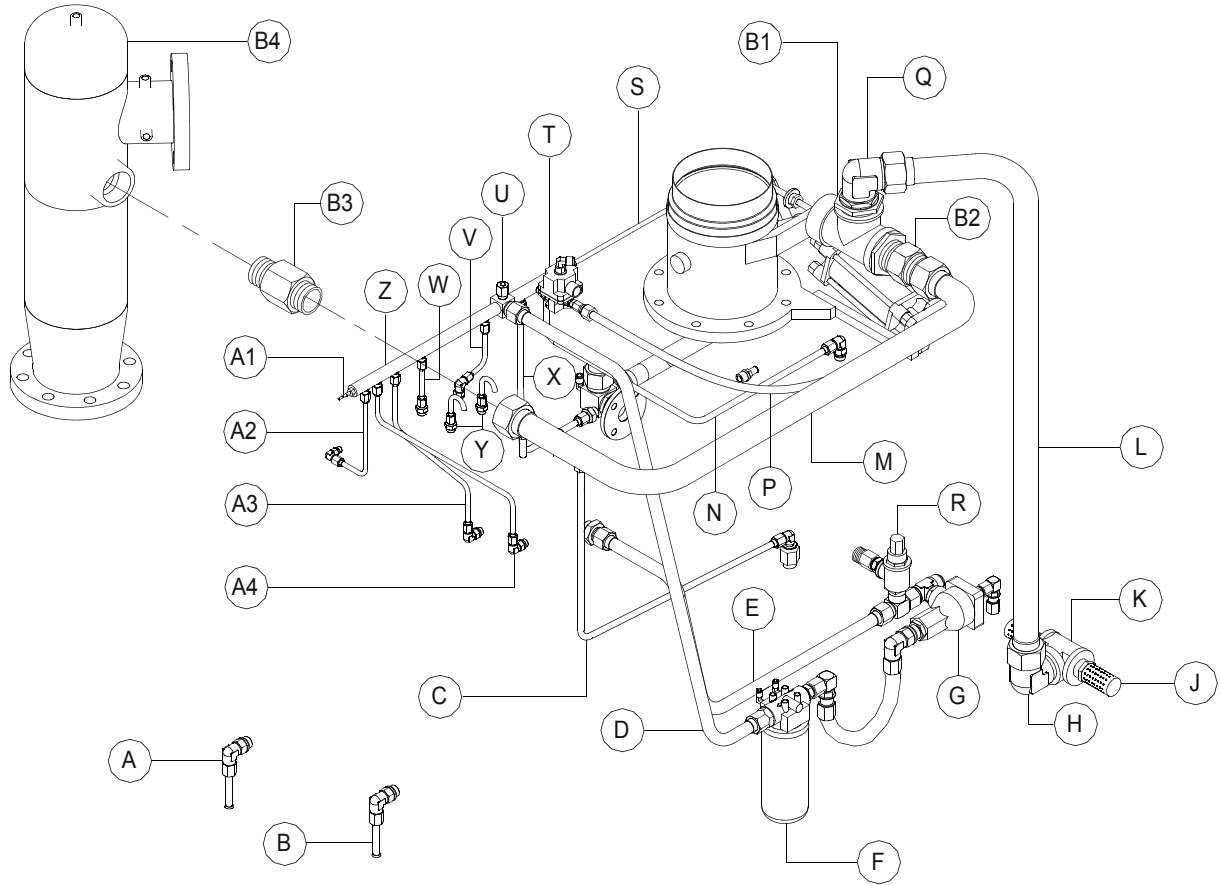
| ITEM | COMM. NO. | DESCRIPTION         | QTY | DIMENSIONS/NOTES      |
|------|-----------|---------------------|-----|-----------------------|
| A    | 39172994  | Elbow               | 7   |                       |
| B    | 54606603  | Tube                | 2   |                       |
| C    | 39914270  | Tube                | 1   |                       |
| D    | 39914254  | Tube                | 1   |                       |
| E    | 22087118  | Tube                | 1   |                       |
| F    | 39911615  | Element, Filter     | 1   |                       |
|      | 39871165  | Head, Filter        | 1   |                       |
| G    | 39467634  | Valve, Temperature  | 1   |                       |
| H    | 95937678  | Elbow               | 1   |                       |
| J    | 39309547  | Muffler             | 2   |                       |
| K    | 95937678  | Tee                 | 1   |                       |
| L    | 54519186  | Tube                | 1   |                       |
| M    | 22235204  | Tube                | 1   |                       |
| N    | 39914221  | Tube                | 1   |                       |
| P    | 35282987  | Hose                | 1   |                       |
|      | 35279926  | Elbow (To Cylinder) | 1   |                       |
| Q    | 39140512  | Elbow               | 3   |                       |
|      | 39313598  | Bushing             | 1   |                       |
| R    | 39167119  | Valve               | 1   | <b>Continued.....</b> |

## Air End Tubing and Fittings



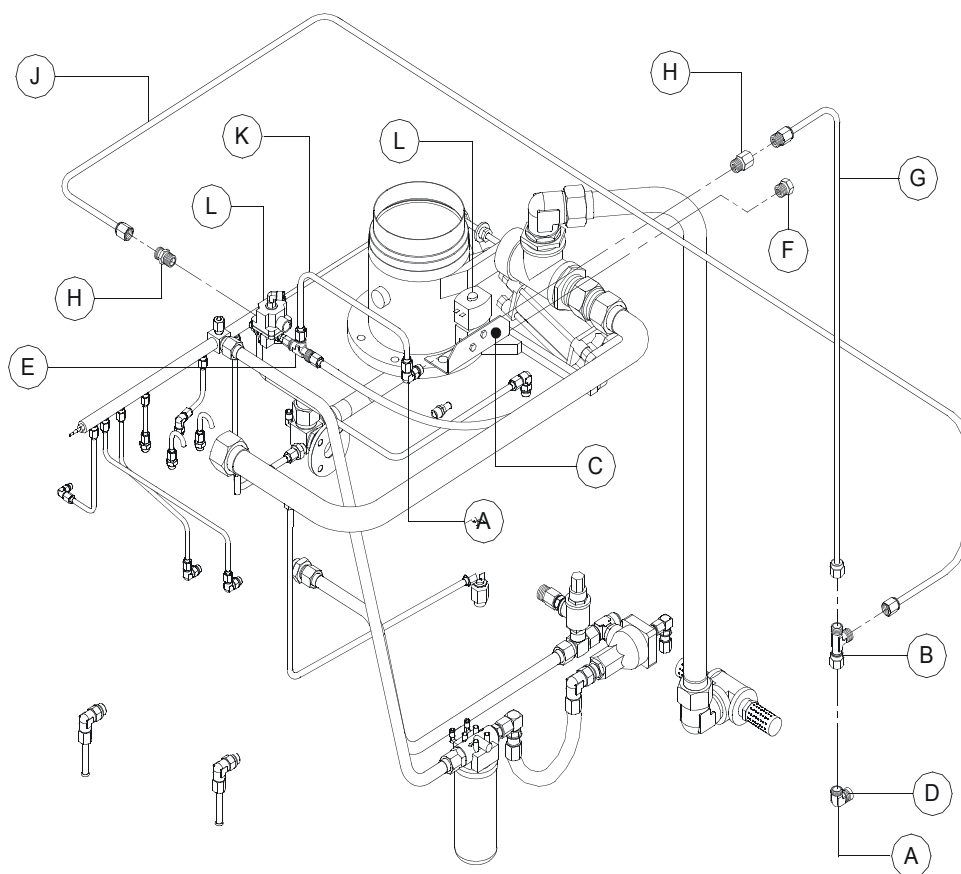
| ITEM | COMM. NO. | DESCRIPTION     | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------|-----|------------------|
| S    | 39914247  | Tube            | 1   | .....Continued   |
|      | 39172952  | Elbow           | 1   |                  |
| T    | 54512611  | Valve, Solenoid | 1   |                  |
| U    | 35313428  | Cap             | 1   |                  |
| V    | 39914189  | Tube            | 1   |                  |
|      | 39172994  | Elbow           | 1   |                  |
| W    | 39914171  | Tube            | 1   |                  |
|      | 39173042  | Adapter         | 1   |                  |
| X    | 39914239  | Tube            | 1   |                  |
| Y    | 39311923  | Tube            | 2   |                  |
|      | 39173042  | Adapter         | 1   |                  |
| Z    | 39913827  | Manifold, Tube  | 1   |                  |
| A1   | 54557087  | Sensor          | 1   |                  |
| A2   | 39914197  | Tube            | 1   |                  |
| A3   | 39914205  | Tube            | 1   |                  |
| A4   | 39914213  | Tube            | 1   |                  |
| A5   | 39172945  | Connector       | 1   |                  |
| A6   | 95937512  | Connector       | 1   |                  |
| A7   | 39172994  | Elbow           | 2   | Continued.....   |

## Air End Tubing and Fittings



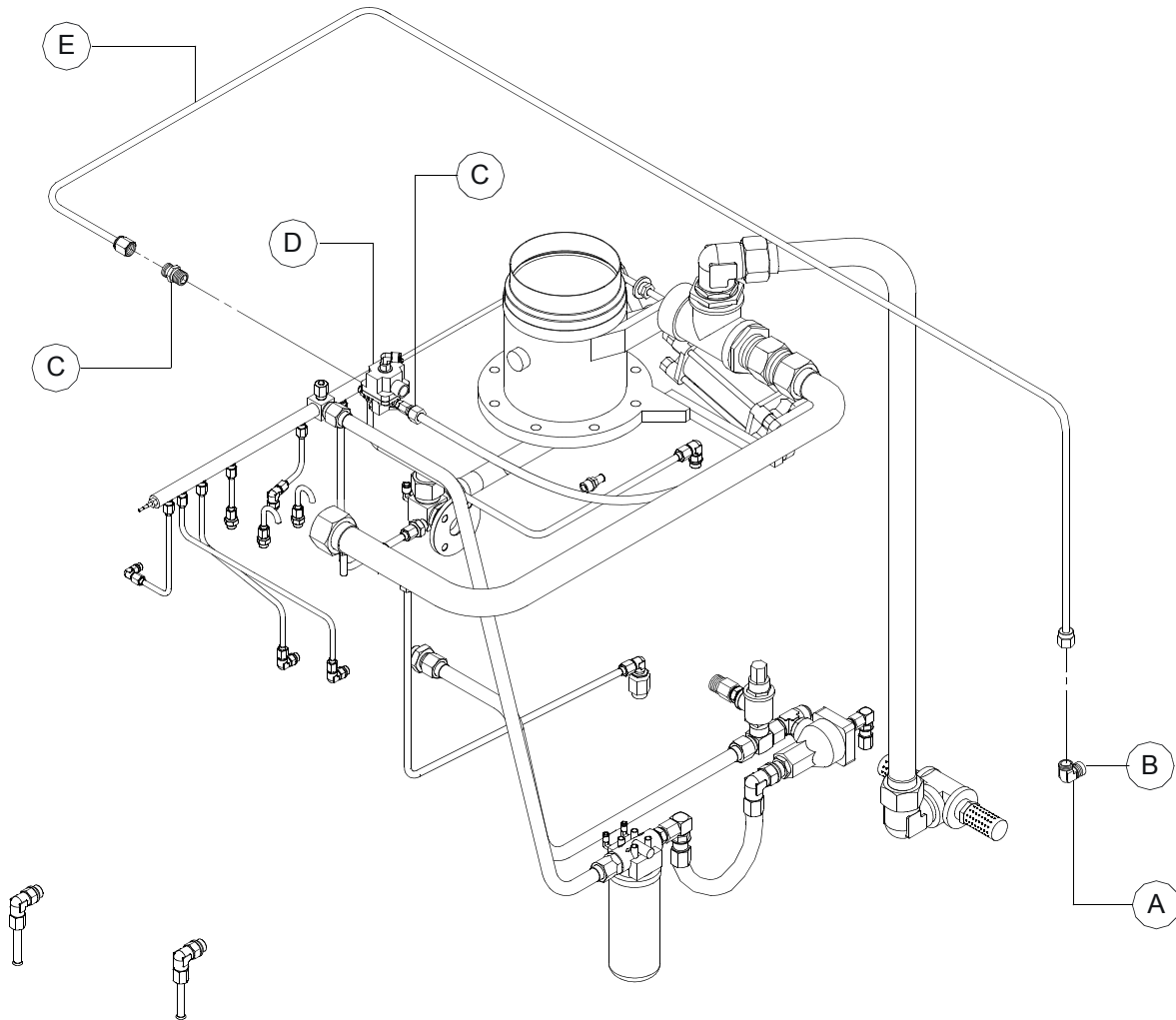
| ITEM | COMM. NO. | DESCRIPTION                   | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------|-----|------------------|
| A8   | 39172952  | Elbow                         | 1   | .....Continued   |
| A9   | 35284082  | Adapter                       | 2   |                  |
| B1   | 39313598  | Bushing                       | 1   |                  |
|      | 39310396  | Elbow (Out of Stage 2)        | 1   |                  |
|      | 39914270  | Tube (Stage 2, Drain to Sump) | 1   |                  |
|      | 39485255  | Elbow (Manifold Oil Dump)     | 1   |                  |
|      | 39583927  | Elbow (To Sump)               | 1   |                  |
|      | 95953956  | Bushing (Bushing to Bushing)  | 1   |                  |
|      | 39175187  | Bushing (To Sump)             | 1   |                  |
|      | 35279926  | Elbow (Elbow to Manifold)     | 1   |                  |
| B2   | 95985578  | Connector                     | 1   |                  |
| B3   | 95937561  | Connector                     | 1   |                  |
| B4   | 22233258  | Silencer, Second Stage        | 1   |                  |

## Load Cylinder Piping (Optional Quick Response)



| ITEM | COMM. NO. | DESCRIPTION             | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------|-----|------------------|
| A    | 35279934  | Elbow                   | 1   |                  |
| B    | 95415667  | Tee                     | 1   |                  |
| C    | 22437016  | Bracket, Solenoid Valve | 1   |                  |
| D    | *         | To Sump                 | *   |                  |
| E    | 35283050  | Tee                     | 1   |                  |
| F    | 95033593  | Plug                    | 1   |                  |
| G    | 35310994  | Tube                    | 1   |                  |
| H    | 35284082  | Adapter                 | 1   |                  |
| J    | 54718432  | Tube                    | 1   |                  |
| K    | 35282979  | Tube                    | 1   |                  |
| L    | 54512611  | Valve, Solenoid         | 1   |                  |

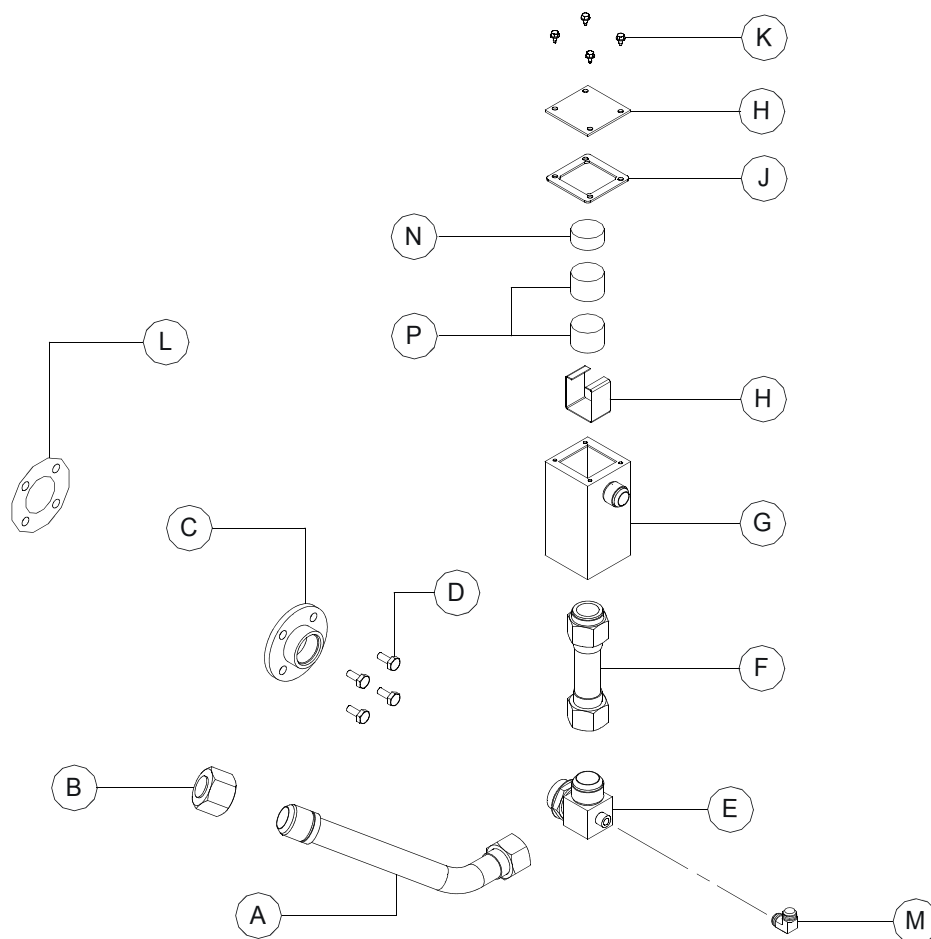
## Load Cylinder Piping (Standard)



| ITEM | COMM. NO. | DESCRIPTION      | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------|-----|------------------|
| A    | 35279934  | Elbow            | 1   |                  |
| B    | *         | To Elbow in Sump | *   |                  |
| C    | 35284082  | Adapter          | 1   |                  |
| D    | 54512611  | Valve, Solenoid  | 1   |                  |
| E    | 54718432  | Hose Assembly    | 1   |                  |

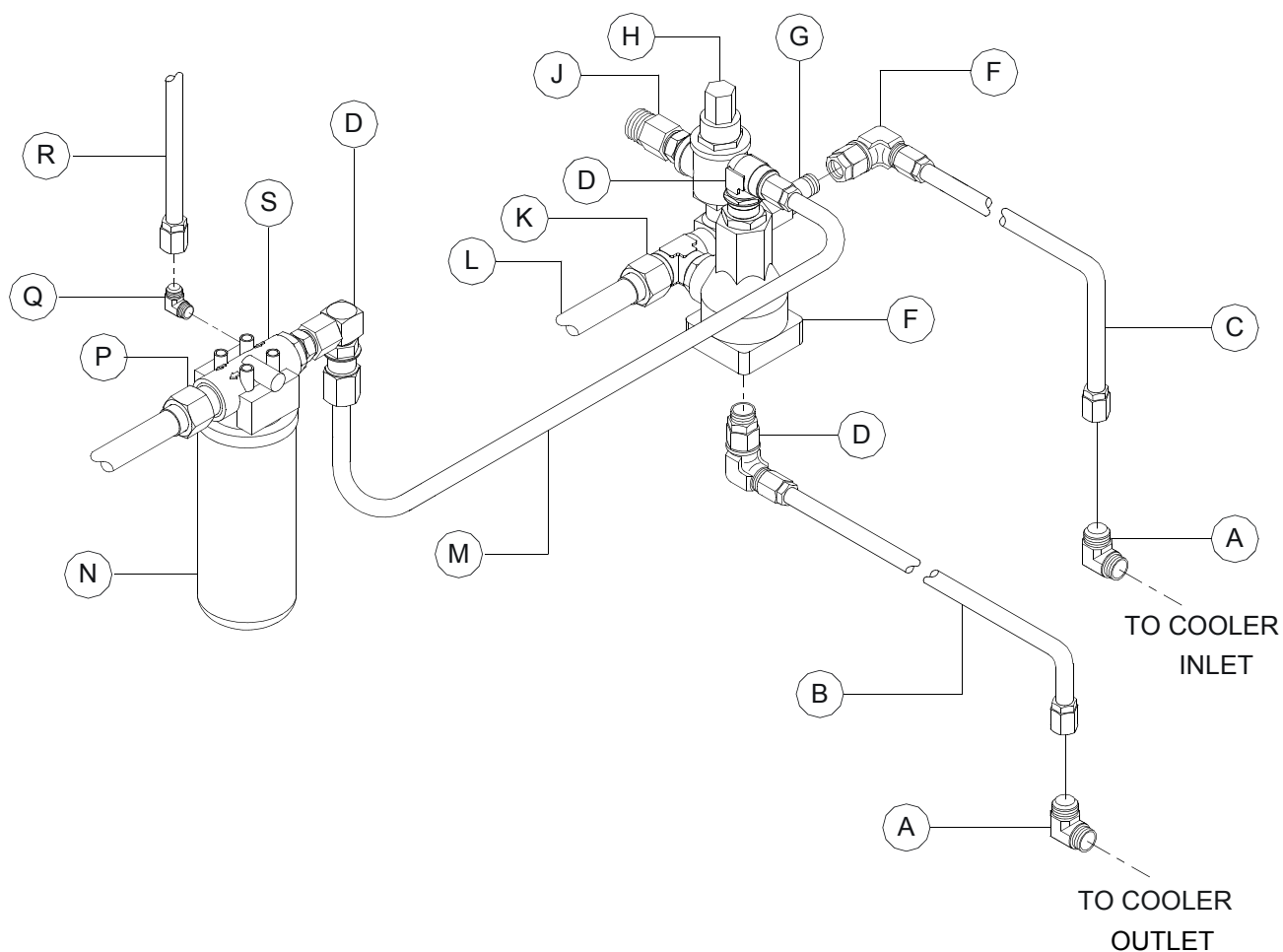


## Air End Breather Assembly



| ITEM | COMM. NO. | DESCRIPTION       | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------|-----|------------------|
| A    | 39917323  | Tube Assembly     | 1   |                  |
| B    | 95972873  | Nut, Tube         | 1   |                  |
| C    | 39497003  | Flange, Mounting  | 1   |                  |
| D    | 39173463  | Screw             | 4   |                  |
| E    | 39590542  | Manifold          | 1   |                  |
| F    | 39917315  | Tube Assembly     | 1   |                  |
| G    | 39560180  | Box, Breather     | 1   |                  |
| H    | 39489646  | Cover Assembly    | 1   |                  |
| J    | 39491741  | Gasket            | 1   |                  |
| K    | 39133145  | Screw             | 4   |                  |
| L    | 39464367  | Gasket            | 1   |                  |
| M    | 35279934  | Elbow             | 1   |                  |
| N    | 40068371  | Element, Foam     | 1   |                  |
| P    | 40068389  | Element, Metallic | 2   |                  |

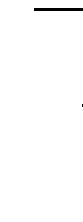
## Air End Tubings and Fittings

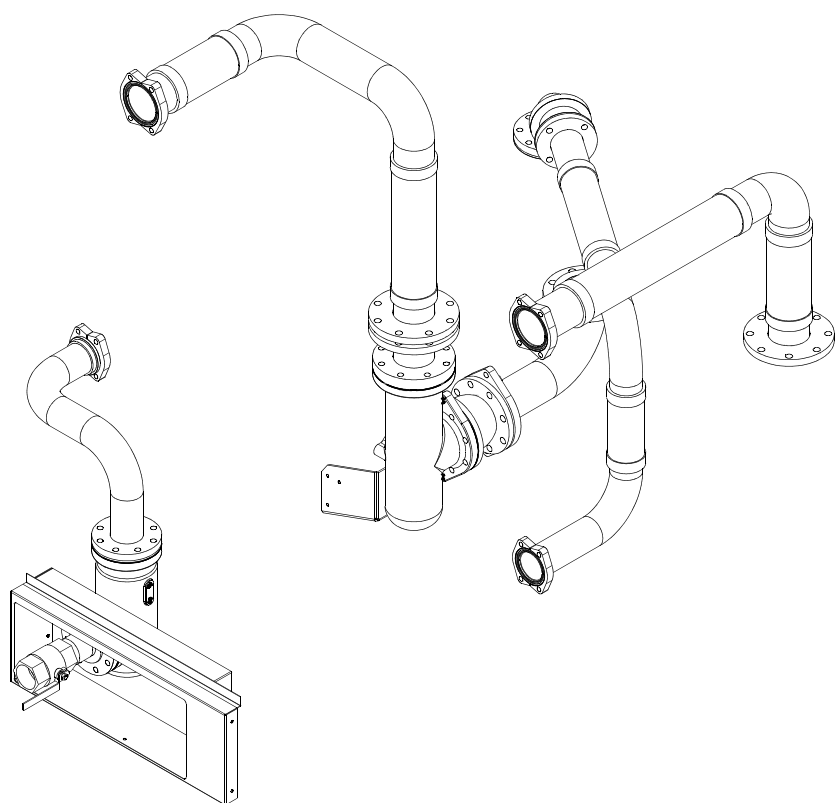
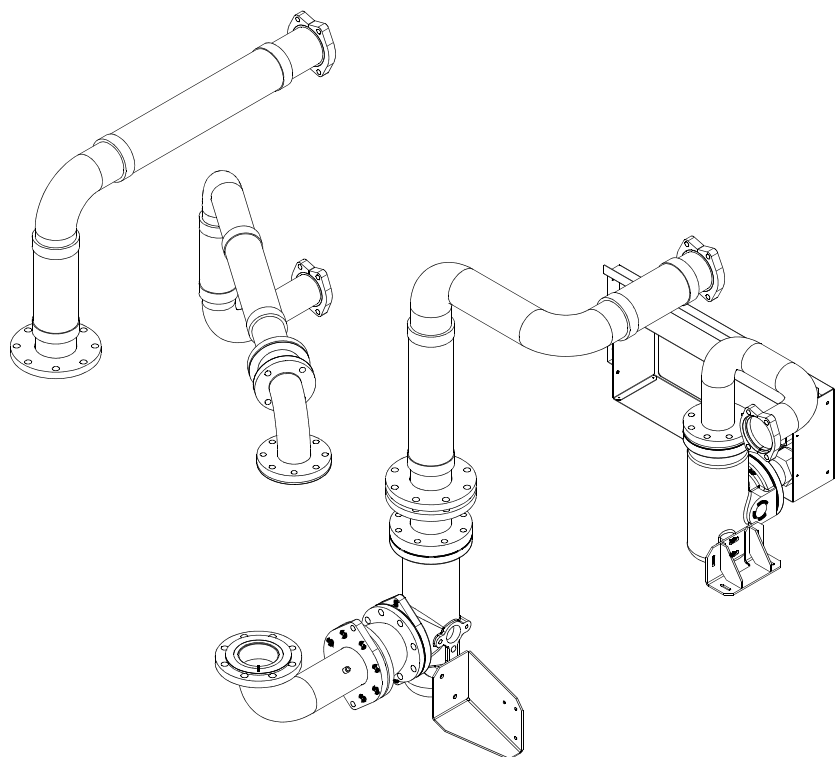


| ITEM | COMM. NO. | DESCRIPTION        | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------|-----|------------------|
| A    | 95368890  | Elbow              | 1   |                  |
| B    | 54718739  | Hose Assembly      | 1   |                  |
| C    | 35118272  | Hose Assembly      | 1   |                  |
| D    | 35291384  | Elbow              | 1   |                  |
| E    | 39467634  | Valve, Temperature | 1   |                  |
| F    | 35292051  | Elbow              | 1   |                  |
| G    | 39591565  | Tee                | 1   |                  |
| H    | 39167119  | Valve, Pump Bypass | 1   |                  |
| J    | 95937512  | Connector          | 1   |                  |
| K    | 95947636  | Tee                | 1   |                  |
| L    | 22087118  | Hose Assembly      | 1   |                  |
| M    | 36792000  | Hose Assembly      | 1   |                  |
| N    | 39911615  | Element            | 1   |                  |
| P    | 95955993  | Connector          | 1   |                  |
| Q    | 35306687  | Elbow              | 1   |                  |
| R    | 35284520  | Hose Assembly      | 2   |                  |
| S    | 39871165  | Head, Filter       | 1   |                  |

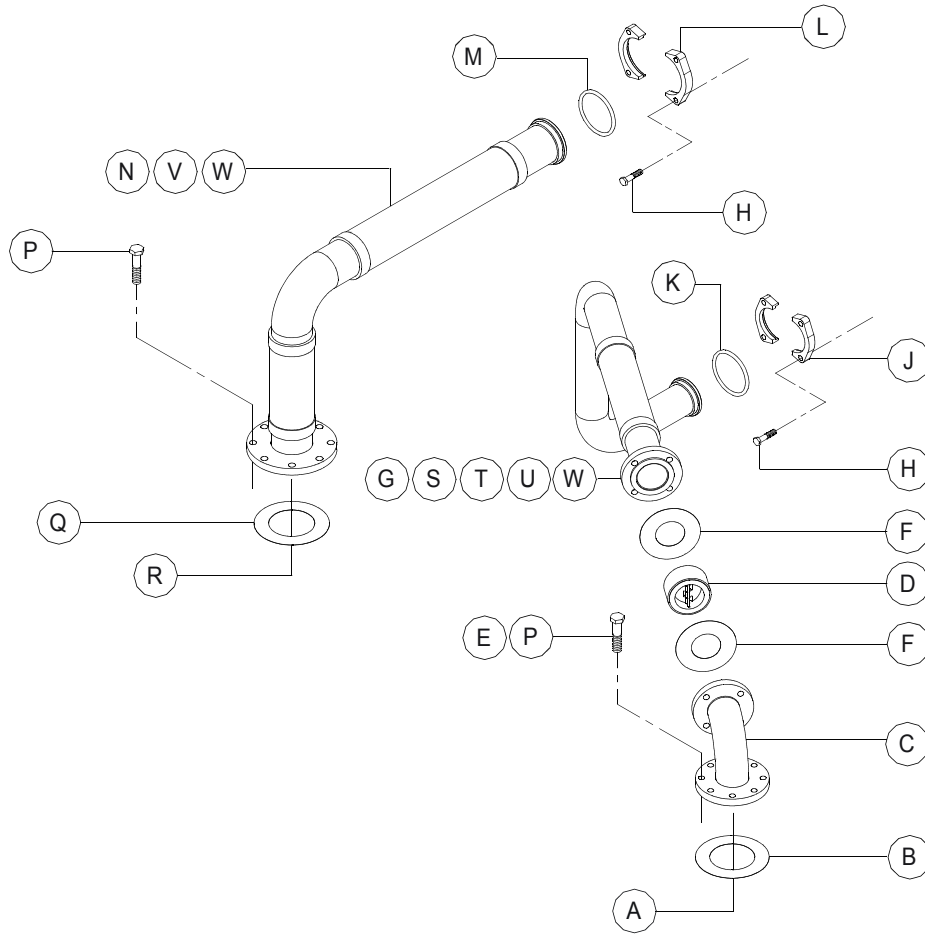
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
|      |           |             |     |                  |

Air End Piping Assembly


**Assembly  
Part Number  
54719760**

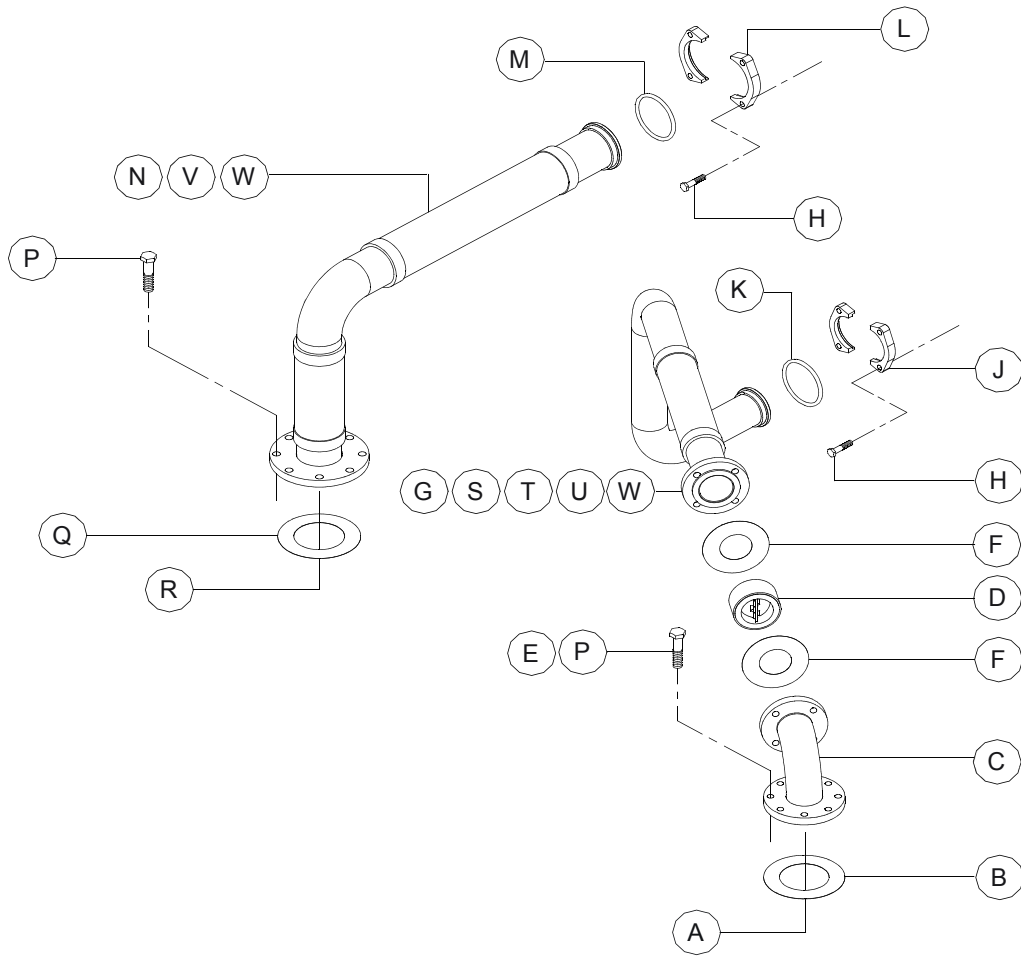


## Air End Piping



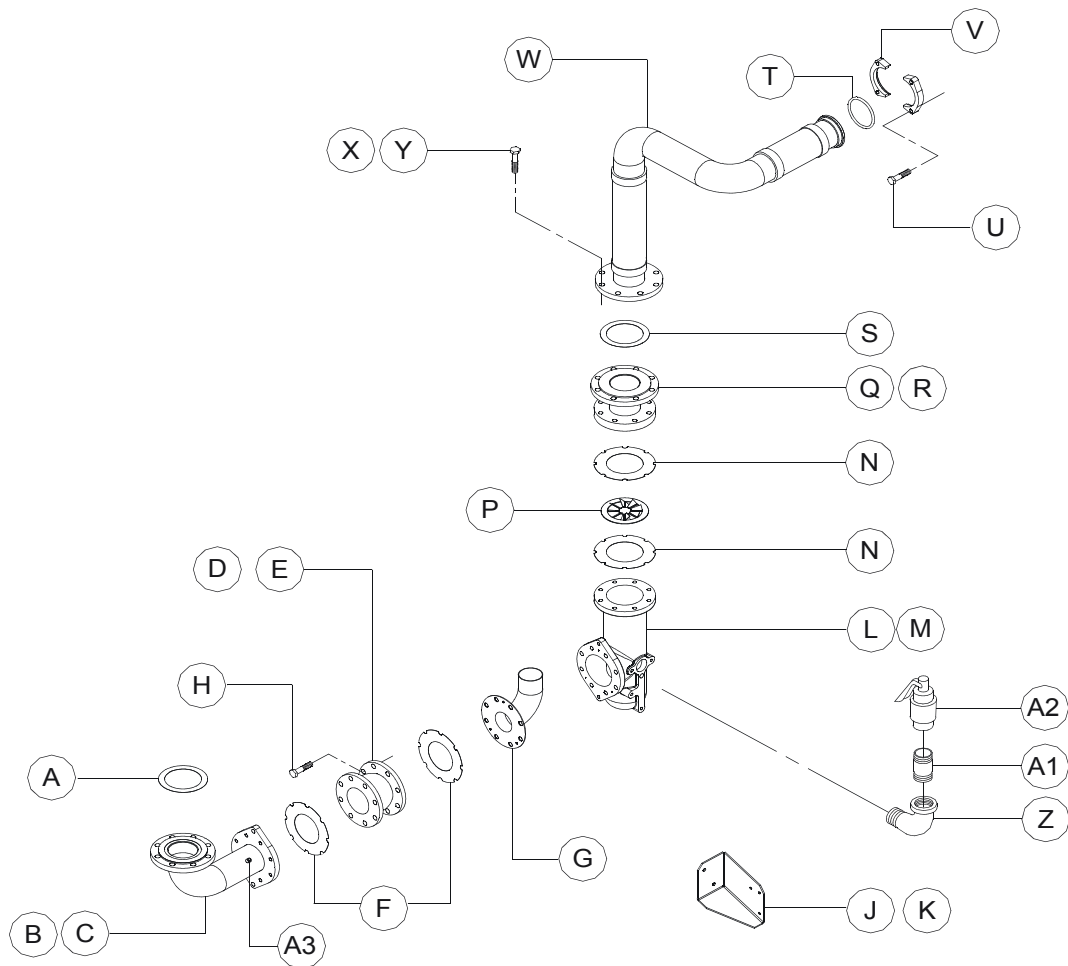
| ITEM | COMM. NO. | DESCRIPTION                            | QTY | DIMENSIONS/NOTES      |
|------|-----------|----------------------------------------|-----|-----------------------|
| A    |           | To Top of Venturi on 2nd Stage Air End |     |                       |
| B    | 39330295  | Gasket                                 | 1   |                       |
| C    | 36922938  | Tube, 2nd Stage Outlet                 | 1   |                       |
| D    | 22884423  | Valve, Check                           | 1   |                       |
| E    | 95934170  | Screw                                  | 7   |                       |
| F    | 39330287  | Gasket                                 | 1   |                       |
| G    | 54620588  | Tube, After cooler Inlet               | 1   |                       |
| H    | 95060745  | Screw                                  | *   |                       |
| J    | 39481593  | Flange, Split                          | 2   |                       |
| K    | 39188479  | O-Ring                                 | 1   |                       |
| L    | 95985735  | Flange, Split                          | 2   |                       |
| M    | 95060745  | O-Ring                                 | 1   |                       |
| N    | 54534847  | Tube, Intercooler Inlet                | 1   |                       |
|      |           |                                        |     | <b>Continued.....</b> |

## Air End Piping



| ITEM | COMM. NO. | DESCRIPTION                | QTY | DIMENSIONS/NOTES      |
|------|-----------|----------------------------|-----|-----------------------|
| P    | 95035465  | Screw                      | *   | <b>.....Continued</b> |
| Q    | 39330303  | Gasket                     | 1   |                       |
| R    | *         | To 2nd Stage Air End Inlet | *   |                       |
| S    | 96721659  | Screw                      | 4   |                       |
| T    | 36879211  | Nut                        | 4   |                       |
| U    | 54719752  | Insulation, 2nd Stage      | 1   |                       |
| V    | 54719745  | Insulation, Intercooler In | 1   |                       |
| W    | 54721105  | Wire, Stainless Steel      | 1   |                       |
|      | 54719737  | Insulation, Venturi        | 1   |                       |
|      | 54719729  | Insulation, 1st Stage      | 1   |                       |
|      | 54662010  | Insulation, Exhaust Pipe   | 1   |                       |

## Air End Piping

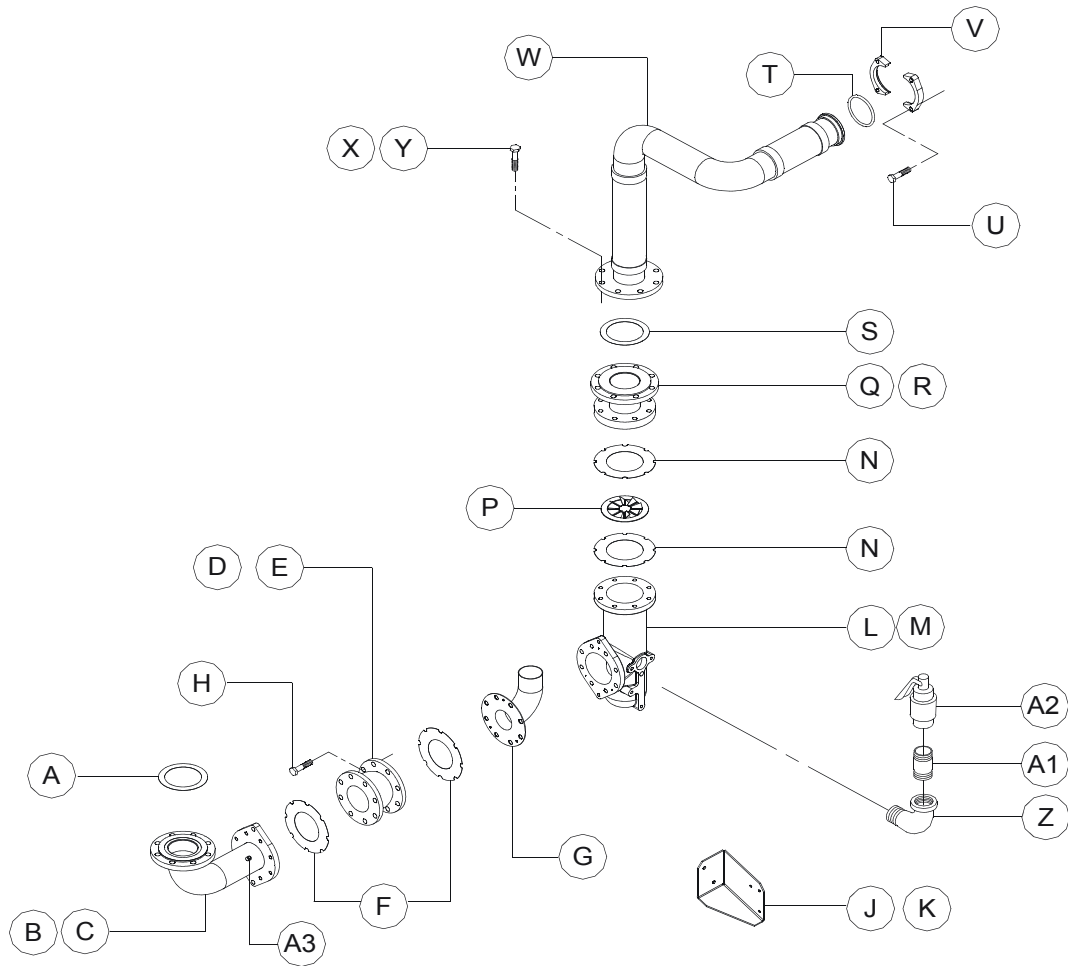


| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------|-----|------------------|
| A    | 39464425  | Gasket                   | 1   |                  |
| B    | 54597745  | Tube, 2nd Stage Inlet    | 1   |                  |
| C    | 39179072  | Screw                    | 8   |                  |
| D    | 39912795  | Joint, Pipe              | 1   |                  |
| E    | 95934386  | Screw                    | 8   |                  |
| F    | 39487426  | Gasket                   | 1   |                  |
| G    | 39913025  | Tube Assembly            | 1   |                  |
| H    | 35356039  | Screw                    | 8   |                  |
| J    | 54379649  | Bracket, Water Separator | 1   |                  |
| K    | 36889608  | Screw                    | 3   |                  |
| L    | 39915087  | Separator, Water         | 1   |                  |
| M    | 95934634  | Screw, Mounting          | 2   |                  |
| N    | 39330253  | Gasket                   | 1   |                  |
| P    | 54362819  | Element                  | 1   |                  |

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES      |
|------|-----------|-------------|-----|-----------------------|
|      |           |             |     | <i>Continued.....</i> |

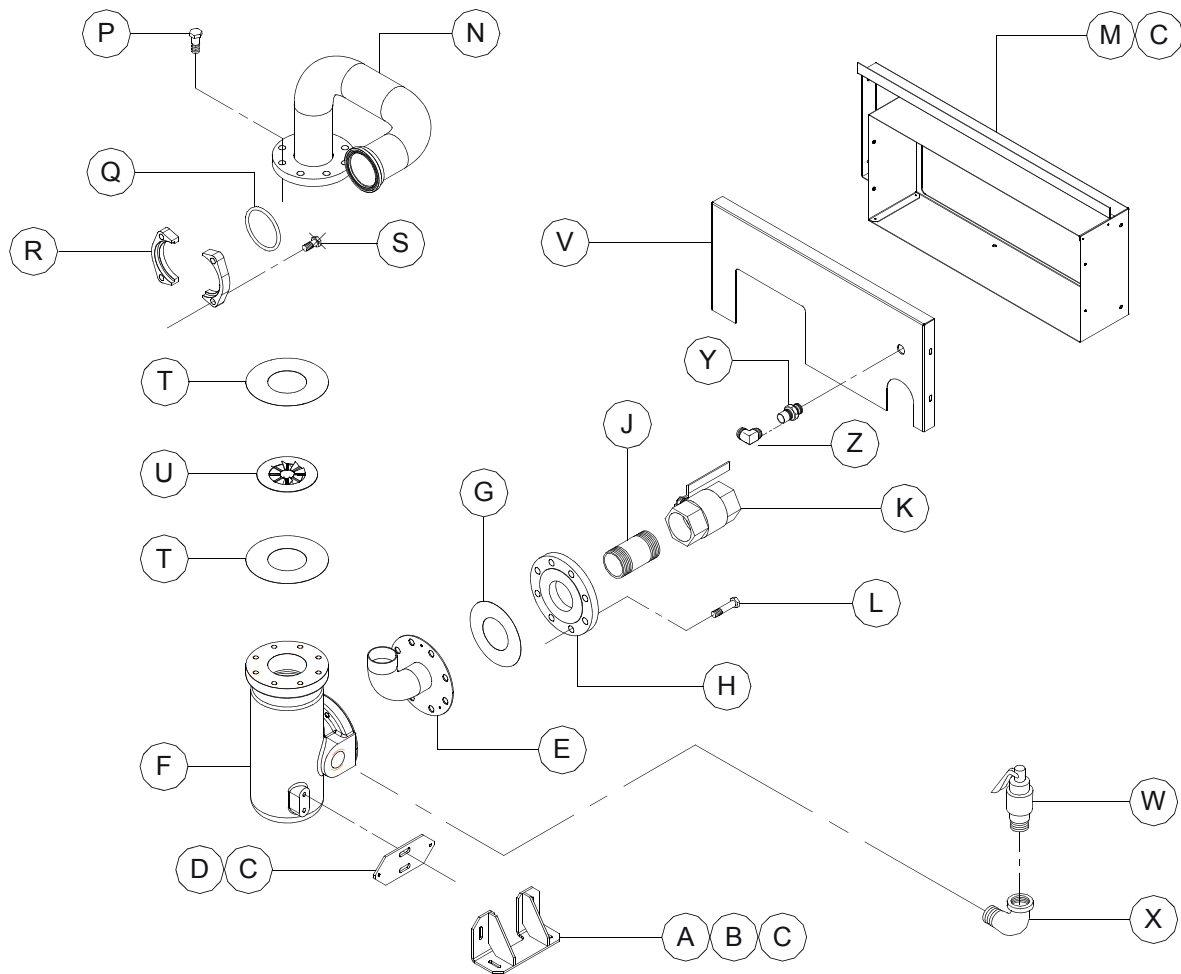


## Air End Piping



| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES      |
|------|-----------|--------------------------|-----|-----------------------|
| Q    | 54380449  | Tube, Water Separator    | 1   | <b>Continued.....</b> |
| R    | 95934170  | Screw                    | 8   |                       |
| S    | 39464425  | Gasket                   | 1   |                       |
| T    | 95060745  | O-Ring                   | 1   |                       |
| U    | 95930723  | Screw                    | 4   |                       |
| V    | 95985735  | Flange, Split            | 2   |                       |
| W    | 54597737  | Tube, Intercooler Outlet | 1   |                       |
| X    | 95934253  | Screw                    | 8   |                       |
| Y    | 95922928  | Nut                      | 8   |                       |
| Z    | 95946281  | Elbow                    | 1   |                       |
| AI   | 95953808  | Nipple                   | 1   |                       |
| A2   | 39918214  | Valve, Safety            | 1   |                       |
| A3   | 54557087  | Rtd (RT-2)               | 1   |                       |

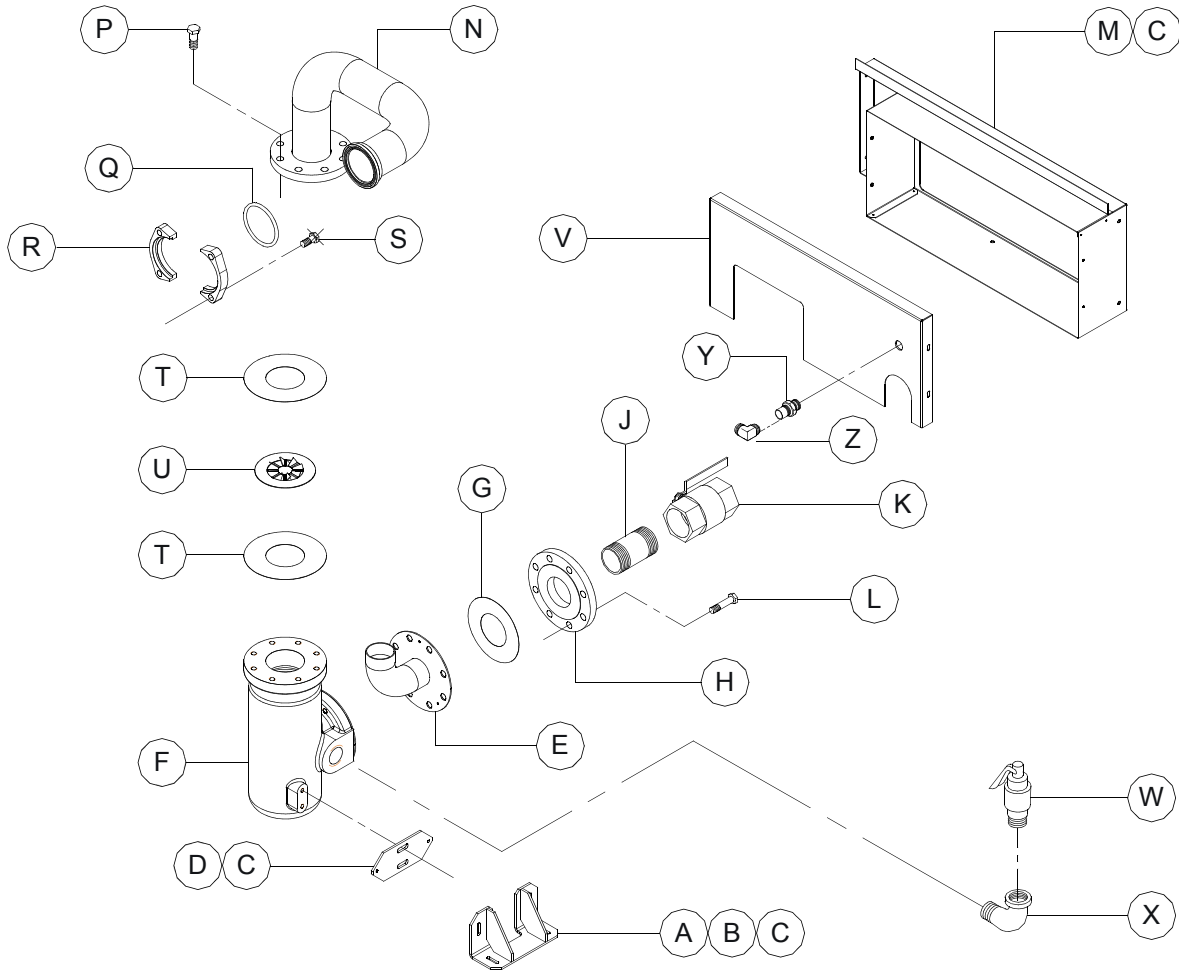
## Air End Piping



| ITEM | COMM. NO. | DESCRIPTION               | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------|-----|------------------|
| A    | 54688163  | Bracket Water Separator   | 1   | As Required      |
| B    | 95934642  | Screw                     | 2   |                  |
| C    | 35279025  | Screw                     |     |                  |
| D    | 54688171  | Plate, Mounting           | 1   |                  |
| E    | 39890926  | Tube Assembly             | 1   |                  |
| F    | 39928007  | Separator, Water          | 1   |                  |
| G    | 39925532  | Gasket                    | 1   |                  |
| H    | 95991105  | Flange                    | 1   |                  |
| J    | 54728654  | Nipple                    | 1   |                  |
| K    | 36755718  | Valve, Ball               | 1   |                  |
| L    | 95930723  | Screw                     | 8   |                  |
| M    | 54690755  | Lower Rear Panel Assembly | 1   |                  |

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES      |
|------|-----------|-------------|-----|-----------------------|
|      |           |             |     | <i>Continued.....</i> |

## Air End Piping



| ITEM | COMM. NO. | DESCRIPTION               | QTY | DIMENSIONS/NOTES      |
|------|-----------|---------------------------|-----|-----------------------|
| N    | 54383468  | Tube, After cooler Outlet | 1   | <b>.....Continued</b> |
| P    | 95934170  | Screw                     | 8   |                       |
| Q    | 39188479  | O-Ring                    | 1   |                       |
| R    | 39481593  | Flange Split              | 2   |                       |
| S    | 95930723  | Screw                     | 4   |                       |
| T    | 39487434  | Gasket                    | 2   |                       |
| U    | 39891171  | Filter                    | 1   |                       |
| V    | 54690771  | Cover, End Panel          | 1   |                       |
| W    | 39918206  | Valve, Safety             |     |                       |
| X    | 95953311  | Elbow                     | 1   |                       |
| Y    | 95365151  | Fitting, Bulkhead         | 1   |                       |
| Z    | 35290352  | Elbow                     | 1   |                       |

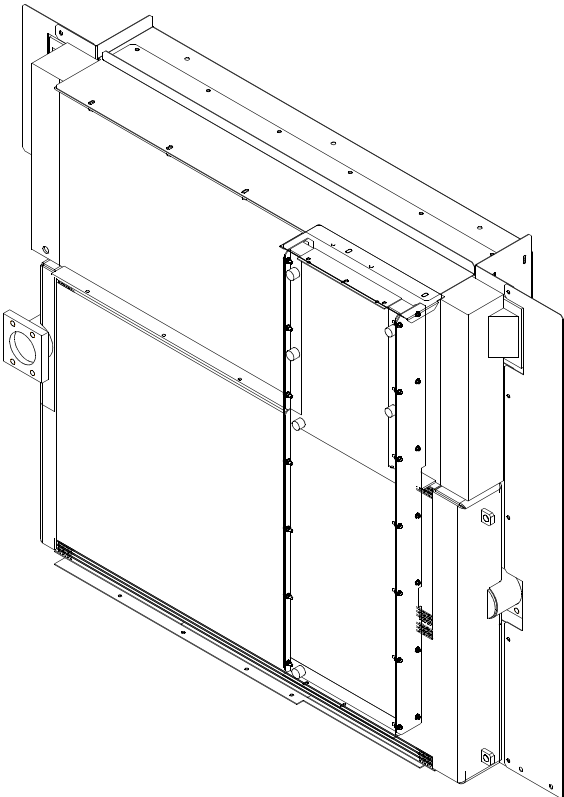
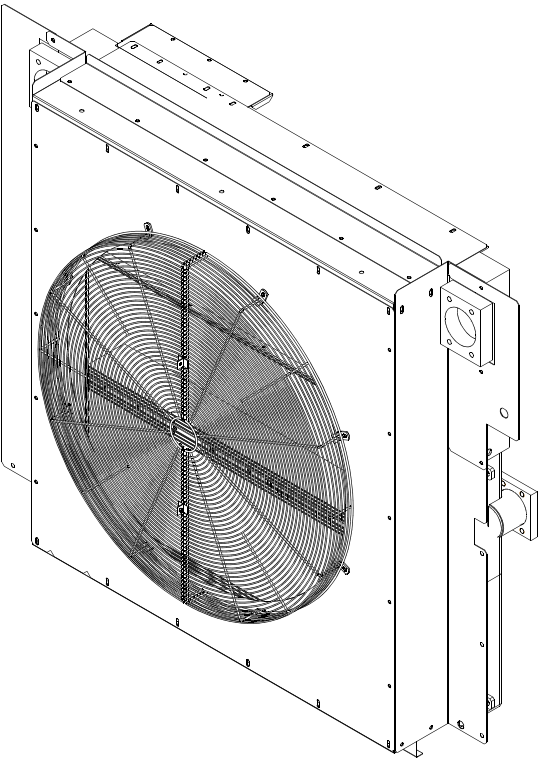
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
|      |           |             |     |                  |

# Condensate Burn-Off Piping

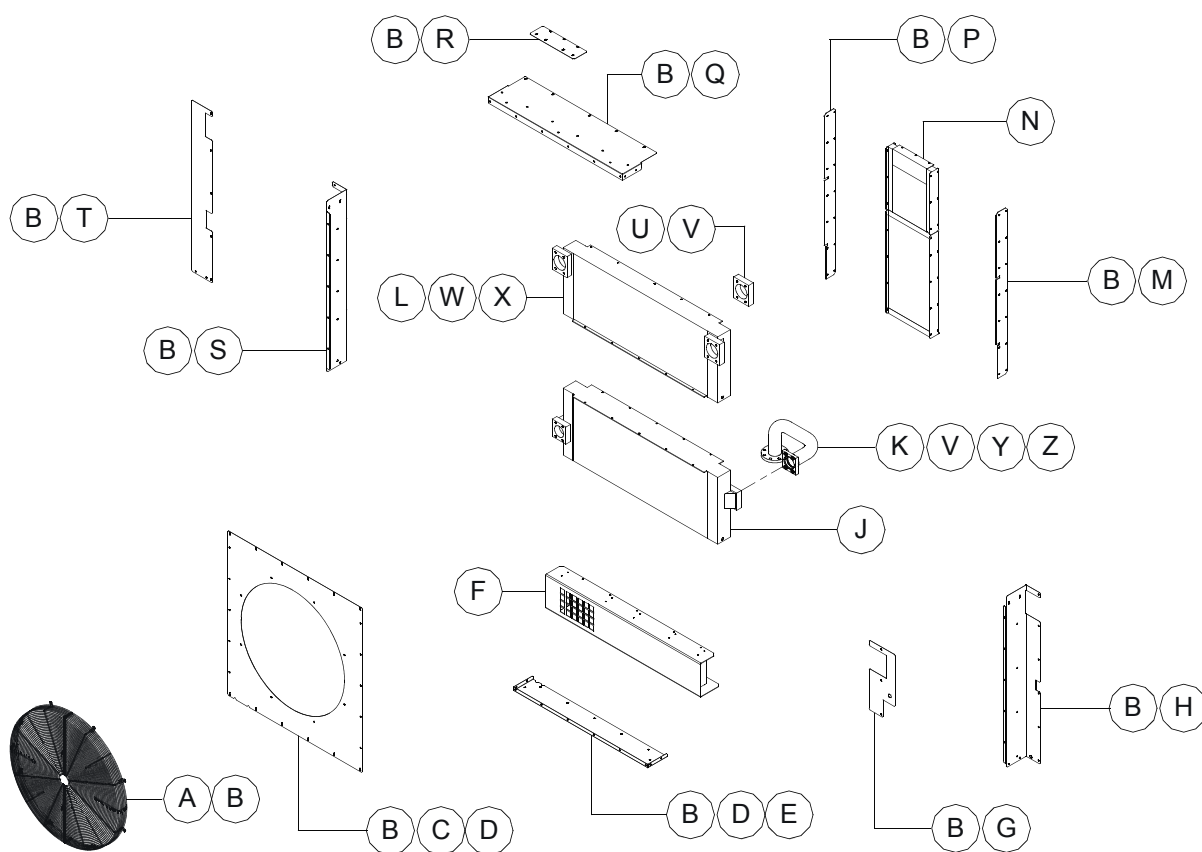
| ITEM | COMM. NO. | DESCRIPTION           | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------|-----|------------------|
| A    | 35248145  | Valve, Check          |     |                  |
| B    | 35248319  | Orifice               |     | .094             |
| C    | 36841526  | Heater, 24 Volt       |     |                  |
| D    | 95954194  | Tee                   |     |                  |
| E    | 95944575  | Nipple                |     |                  |
| F    | 36842318  | Valve, Solenoid       |     |                  |
| G    | 35279934  | Elbow                 |     |                  |
| H    | 22928212  | Hose Assembly         |     |                  |
| J    | 95940748  | Bushing               |     |                  |
| K    | 36844579  | Strainer              |     |                  |
| L    | 95944666  | Elbow                 |     |                  |
| M    | 39915087  | Separator, Interstage |     |                  |
| N    | 22928220  | Hose Assembly         |     |                  |
| P    | 36842318  | Valve, Solenoid       |     |                  |
| Q    | 37081528  | Orifice               |     | .063             |
| R    | 36844579  | Strainer              |     |                  |
| S    | 95953618  | Nipple                |     |                  |
| T    | 95300943  | Elbow                 |     |                  |
| U    | 95245353  | Bushing               |     |                  |
| V    | 39928007  | Separator, Discharge  |     |                  |

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
|      |           |             |     |                  |

Air End Cooling Assembly



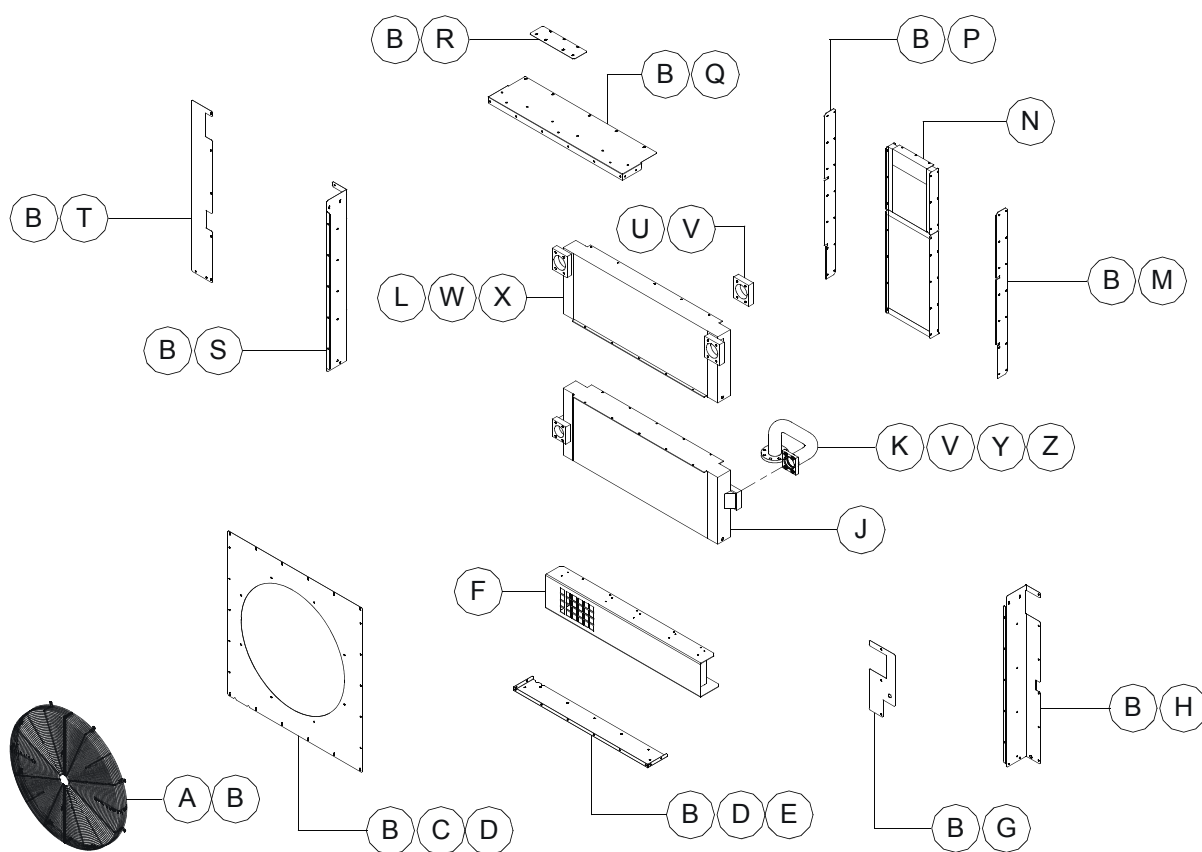
## Air End Coolers



| ITEM | COMM. NO. | DESCRIPTION                                                     | QTY | DIMENSIONS/NOTES      |
|------|-----------|-----------------------------------------------------------------|-----|-----------------------|
| A    | 54672688  | Guard Fan                                                       | 1   |                       |
| B    | 35279025  | Screw                                                           | *   |                       |
| C    | 54406715  | Orifice, Fan                                                    | 1   |                       |
| D    | 36895746  | Nutsert                                                         | *   |                       |
| E    | 54407549  | Shroud, Bottom                                                  | 1   |                       |
| F    | 54638135  | Support, Cooler (Not Required for Stainless Steel After cooler) | 1   |                       |
| G    | 54416037  | Bracket, Shroud                                                 | 1   |                       |
| H    | 54407564  | Shroud, L.H.                                                    | 1   |                       |
| J    | 54637236  | After cooler, Aluminum                                          | 1   |                       |
|      | 54584594  | After cooler, Stainless Steel                                   | 1   |                       |
| K    | 54672746  | Tube, Aluminum                                                  | 1   |                       |
|      | 54383468  | Tube, Stainless Steel                                           | 1   |                       |
| L    | 54550827  | Intercooler, Air End                                            | 1   |                       |
| M    | 54673553  | Support, Dual Cooler                                            | 1   |                       |
|      |           |                                                                 |     | <b>Continued.....</b> |

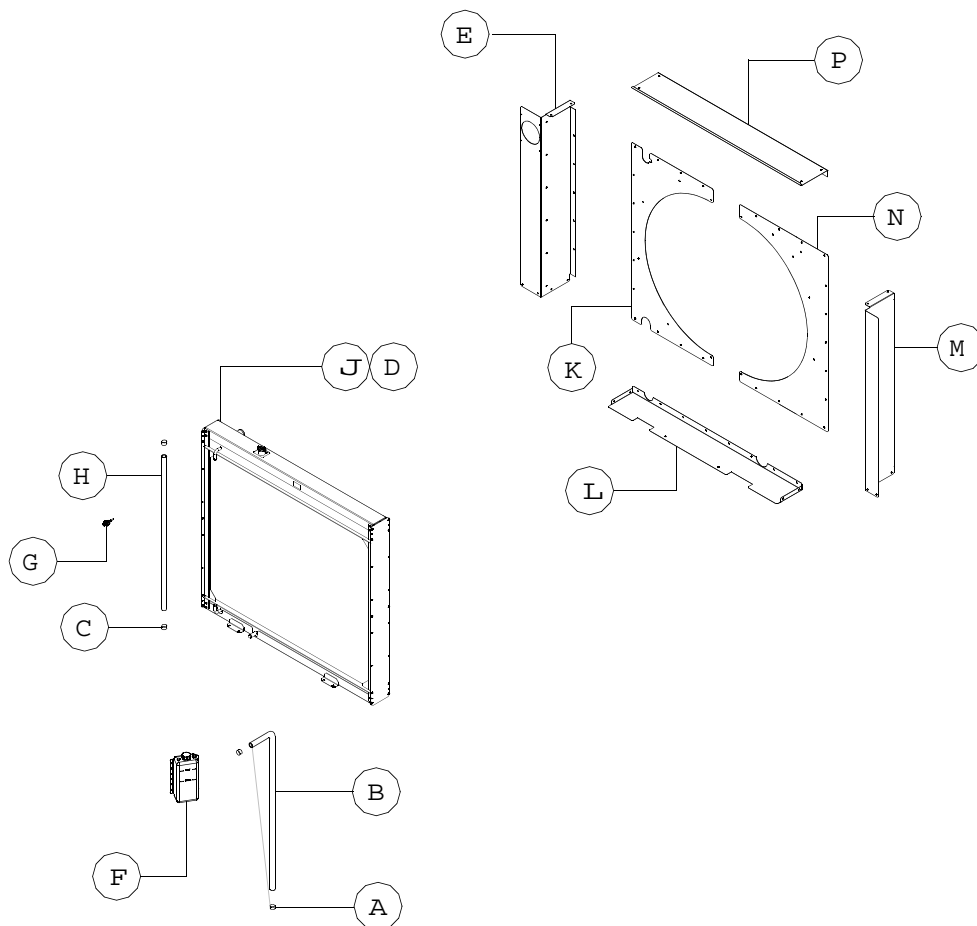


## Air End Coolers



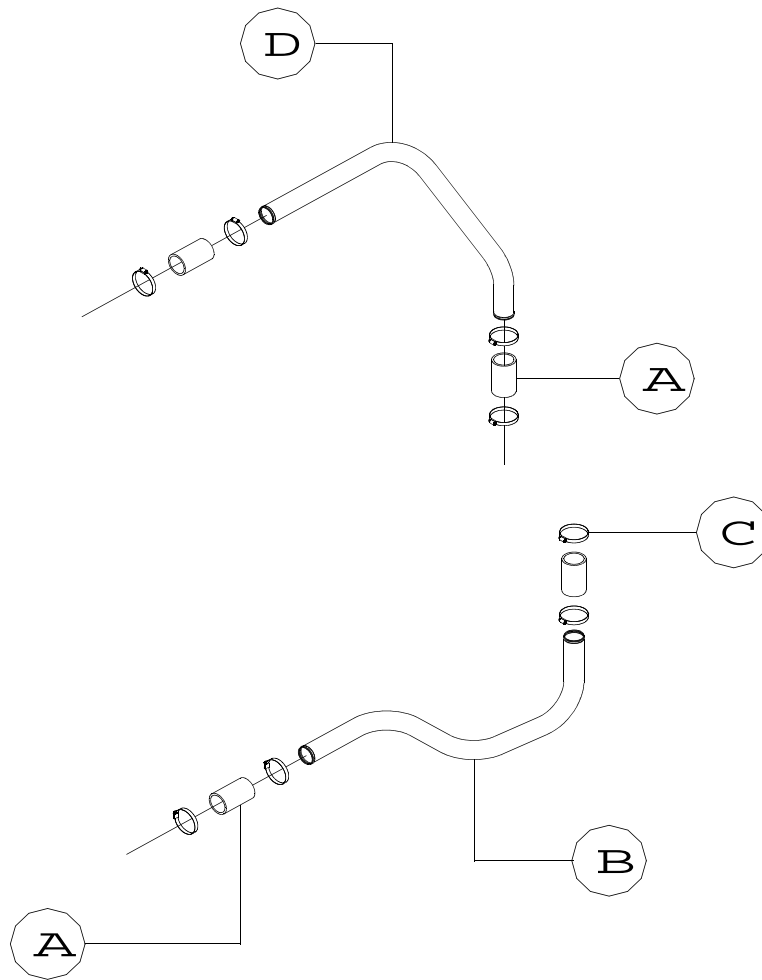
| ITEM | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES       |
|------|-----------|----------------------|-----|------------------------|
| N    | 54543343  | Cooler, Dual         | 1   | ..... <i>Continued</i> |
| P    | 54673553  | Support, Dual Cooler | 1   |                        |
| Q    | 54407523  | Shroud, Top          | 1   |                        |
| R    | 54642368  | Plate, Cooler        | 1   |                        |
| S    | 54407556  | Shroud, R.H. Inside  | 1   |                        |
| T    | 54416029  | Shroud, R.H. Outside | 1   |                        |
| U    | 54745559  | Flange               | 1   |                        |
| V    | 39188479  | O-Ring               | 2   |                        |
| W    | 36889608  | Screw                | 10  |                        |
| X    | 36881886  | Nut                  | 10  |                        |
| Y    | 39481593  | Clamp                | 2   |                        |
| Z    | 95930723  | Screw                | 4   |                        |

## Engine Radiator



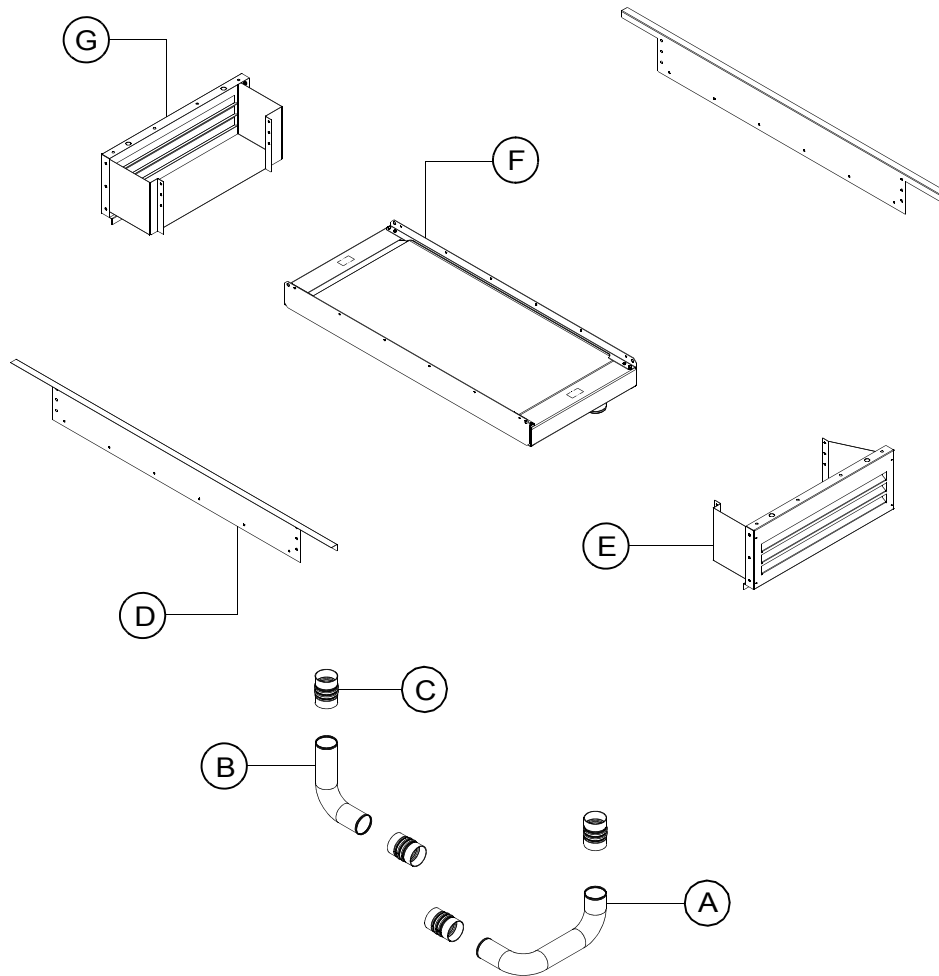
| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------|-----|------------------|
| A    | 95235131  | Clamp                    | 2   | 120"             |
| B    | 35360775  | Tubing                   | 1   |                  |
| C    | 95220851  | Clamp                    | 2   |                  |
| D    | 35279025  | Screw                    |     |                  |
| E    | 54421730  | Shroud, R.H.             | 1   | As Required      |
| F    | 36845600  | Bottle, Coolant Recovery | 1   |                  |
| G    | 54404280  | Sender                   | 1   |                  |
| H    | 35286327  | Hose, Rubber             | 1   |                  |
| J    | 22878482  | Radiator                 | 1   | 56"              |
| K    | 54427810  | Orifice, R.H. Fan        | 1   |                  |
| L    | 54421714  | Shroud, Bottom           | 1   |                  |
| M    | 54421722  | Shroud, L.H.             | 1   |                  |
| N    | 22885263  | Orifice, L.H. Fan        | 1   |                  |
| P    | 54421706  | Shroud, Top              | 1   |                  |
|      | 54474572  | Probe, Low Water         | 1   |                  |

## Engine Cooling Piping



| ITEM | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------|-----|------------------|
| A    | 35330570  | Connector, Rubber    | 4   |                  |
| B    | 54454251  | Tube, Lower Radiator | 1   |                  |
| C    | 31497357  | Clamp                | 8   |                  |
| D    | 22901276  | Tube, Upper Radiator | 1   |                  |

## Engine Charge Air Cooler and Mounting

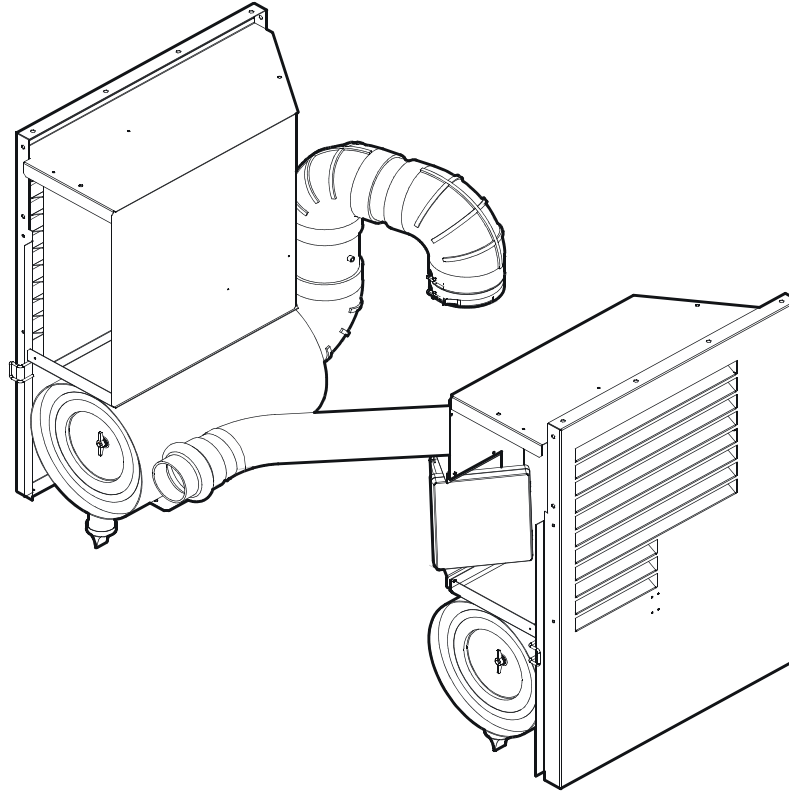


| ITEM | COMM. NO. | DESCRIPTION            | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------|-----|------------------|
| A    | 22883912  | Tube, Turbo Outlet     | 1   |                  |
| B    | 22903728  | Tube, Engine Inlet     | 1   |                  |
| C    | 54422522  | Hose, Rubber Connector | 4   |                  |
| D    | 22892731  | Panel, Cooler side     | 2   |                  |
| E    | 22895452  | Vent, Curbside         | 1   |                  |
| F    | 22891865  | Assembly, Cooler       | 1   |                  |
| G    | 22892665  | Vent, Streetside       | 1   |                  |



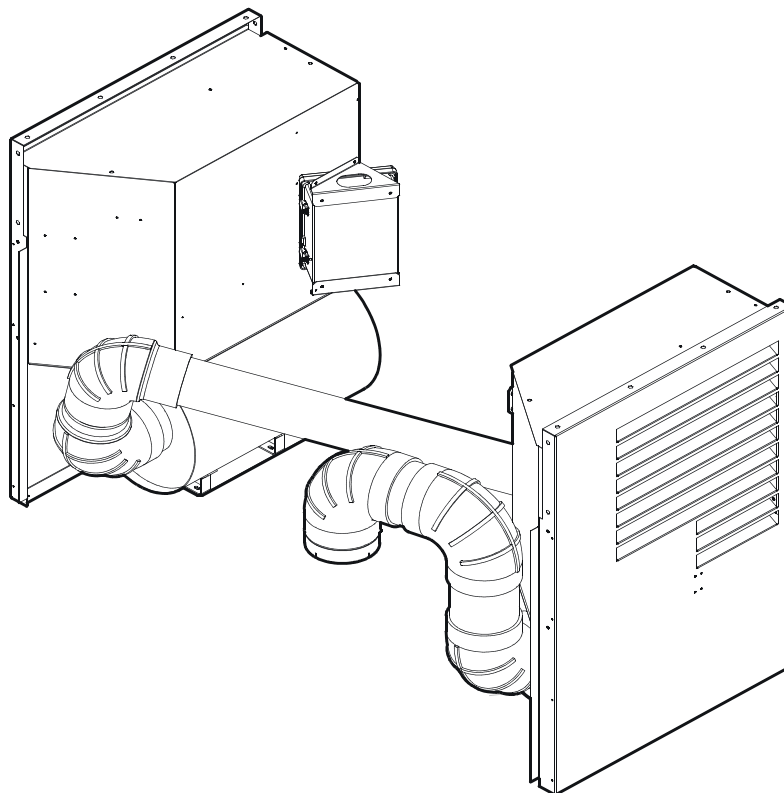
## Air Intake Assembly

( AIR END )



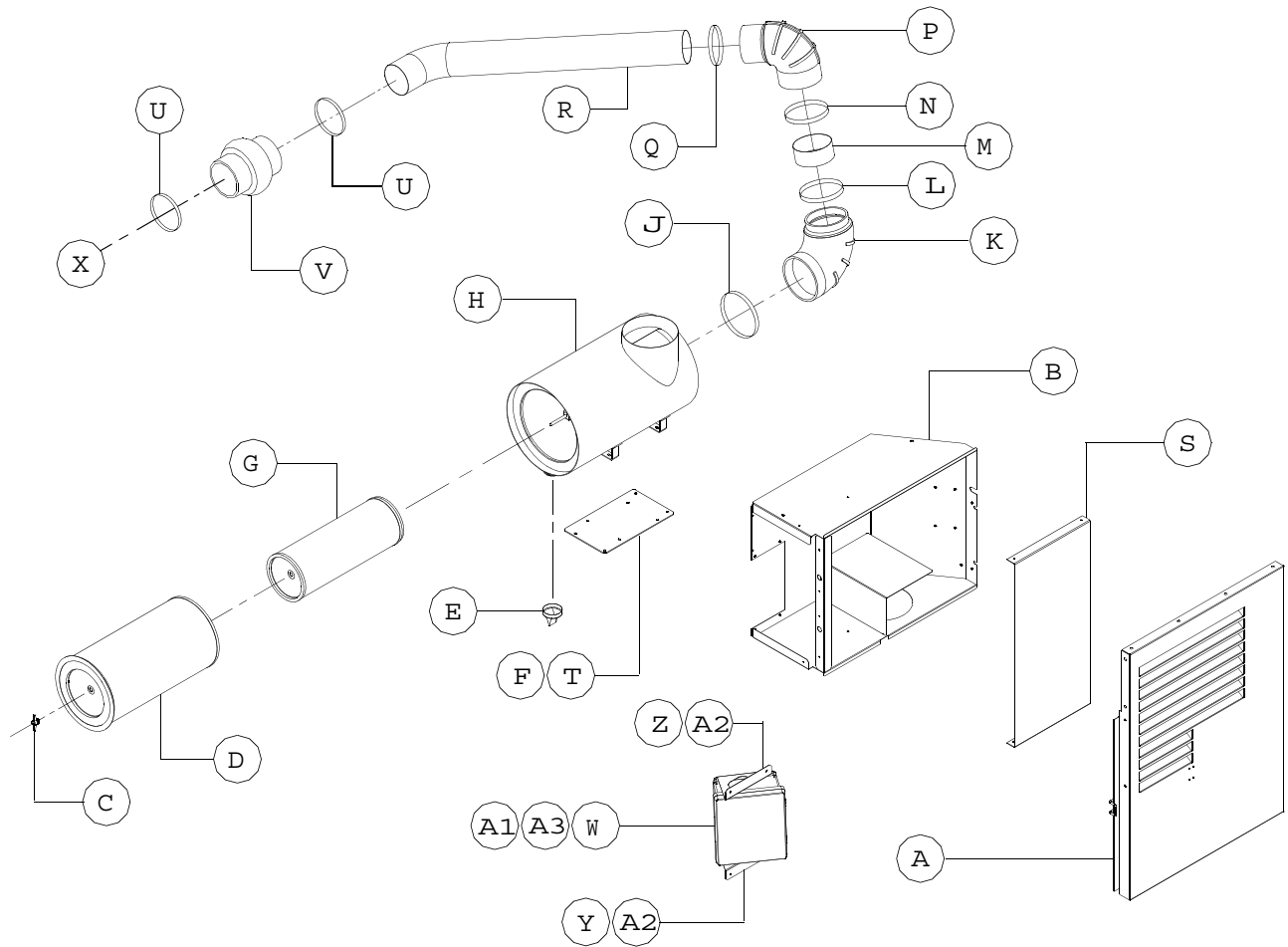
( ENGINE )

( ENGINE )



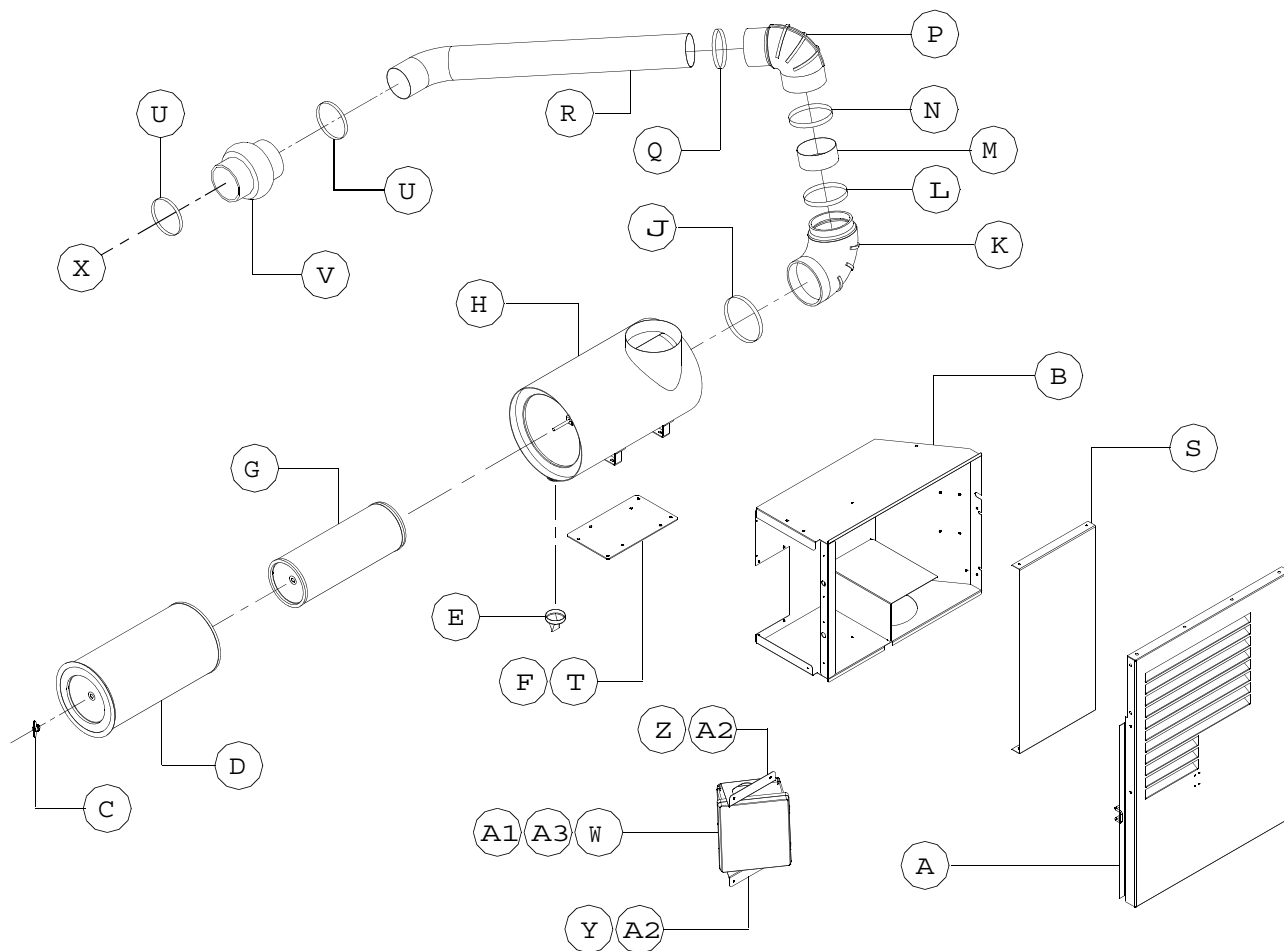
( AIR END )

## Engine Air Intake



| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A    | 54656194  | Intake Grill, Street Side   | 1   |                  |
| B    | 54656491  | Intake Housing, Street Side | 1   |                  |
| C    | 35388982  | Nut Wing                    | 1   |                  |
| D    | 36864361  | Element, Primary            | 1   |                  |
| E    | 36867778  | Valve, Evacuator            | 1   |                  |
| F    | 54631338  | Plate, Mounting             | 1   |                  |
| G    | 36864379  | Element, Safety             | 1   |                  |
| H    | 54625926  | Housing, Air Cleaner        | 1   |                  |
| J    | 35119858  | Clamp                       | 1   |                  |
| K    | 36759025  | Elbow, Rubber               | 1   |                  |
| L    | 35119858  | Clamp                       | 1   |                  |
| M    | 35112648  | Tubing                      | 1   |                  |
| N    | 35119858  | Clamp                       | 1   |                  |
| P    | 35315894  | Elbow, Rubber               | 1   |                  |
| Q    | 35123496  | Clamp                       | 1   |                  |
| R    | 54674007  | Tube                        | 1   |                  |
|      |           |                             |     | .....Continued   |

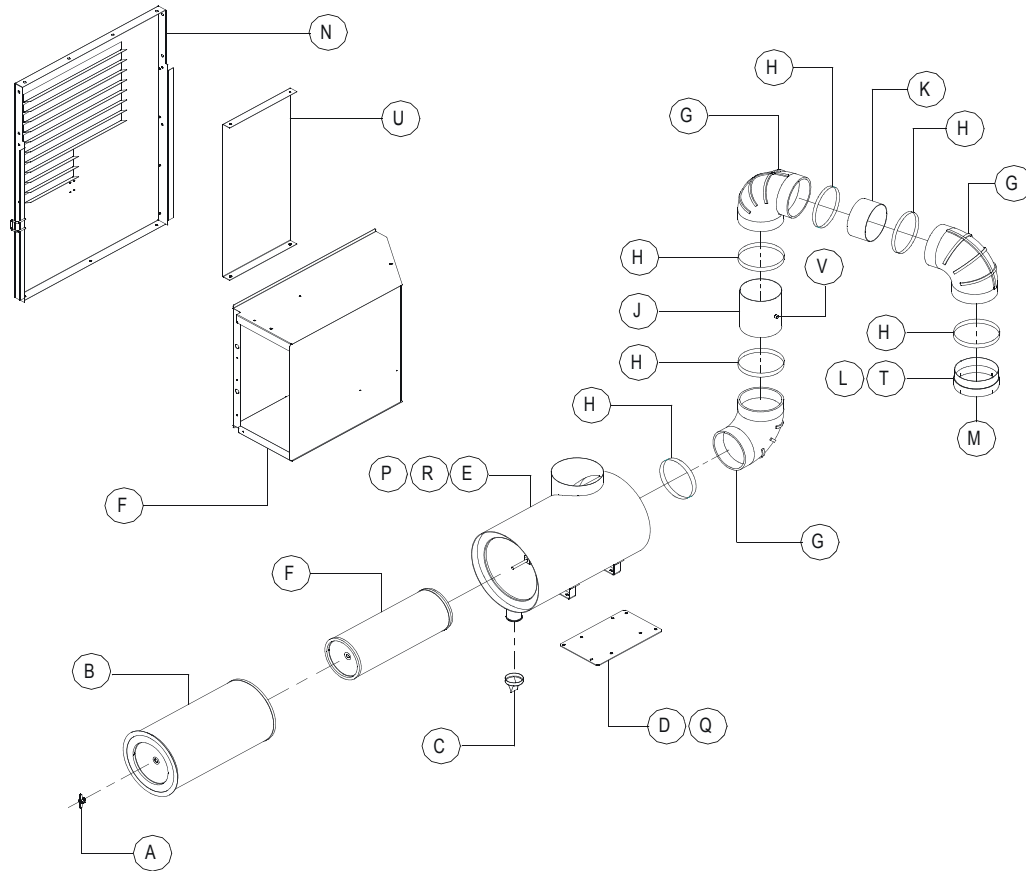
## Engine Air Intake



| ITEM | COMM. NO. | DESCRIPTION                   | QTY | DIMENSIONS/NOTES      |
|------|-----------|-------------------------------|-----|-----------------------|
| S    | 54656517  | Baffle, Vertical              | 1   | <b>Continued.....</b> |
| T    | 35279025  | Screw                         | 4   |                       |
| U    | 35123496  | Clamp                         | 2   |                       |
| V    | 35114537  | Hose, Hump                    | 1   |                       |
| W    | 36898104  | Nut                           | 4   |                       |
| X    | *         | To Engine Turbo               |     |                       |
| Y    | 54656533  | Bracket, Bottom               | 1   |                       |
| Z    | 54656525  | Bracket, Top                  | 1   |                       |
| A1   | 54631312  | Box, Power Distributor (Fuse) | 1   |                       |
| A2   | 35300771  | Screw                         | 4   |                       |
| A3   | 36898096  | Screw                         | 4   |                       |
| A4   | 36898104  | Nut                           | 4   |                       |



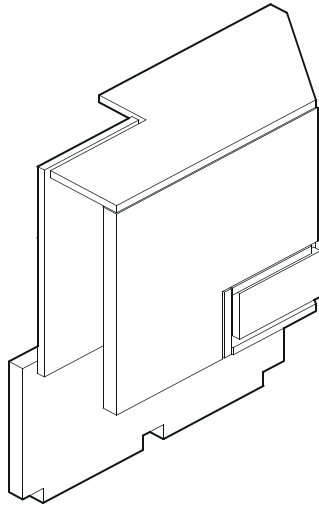
## Air End Air Intake



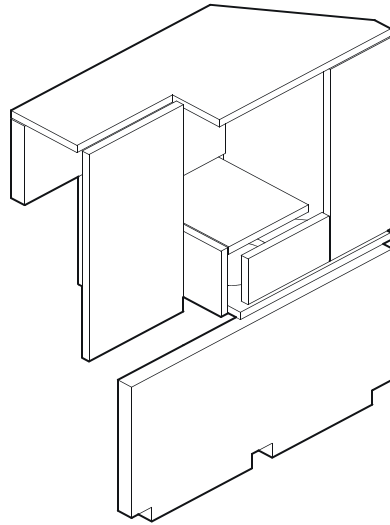
| ITEM | COMM. NO. | DESCRIPTION               | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------|-----|------------------|
| A    | 35388982  | Nut, Wing                 | 1   |                  |
| B    | 36864361  | Element, Primary          | 1   |                  |
| C    | 36867778  | Valve, Evacuator          | 1   |                  |
| D    | 54631338  | Plate, Mounting           | 1   |                  |
| E    | 36864379  | Element, Safety           | 1   |                  |
| F    | 54656509  | Intake Housing, Curb Side | 1   |                  |
| G    | 35120211  | Elbow, Rubber             | 3   |                  |
| H    | 35129071  | Clamp                     | 6   |                  |
| J    | 54638143  | Tube                      | 1   |                  |
| K    | 35300110  | Tube                      | 1   |                  |
| L    | 39919352  | Tube, Adapter             | 1   |                  |
| M    | *         | To Air End Intake         | *   |                  |
| N    | 54656202  | Intake Grill, Curb Side   | 1   |                  |
| P    | 36864346  | Housing, Air Cleaner      | 1   |                  |
| Q    | 35279025  | Screw                     | 1   |                  |
| R    | 35376953  | Screw                     | 1   |                  |
| S    | 36879195  | Nut                       | 1   |                  |
| T    | 39919360  | Gasket                    | 1   |                  |
| U    | 54656517  | Baffle, Vertical          | 1   |                  |
| V    | 54557095  | Thermister (RT-6)         |     |                  |

## Air Intake Acoustic Assembly

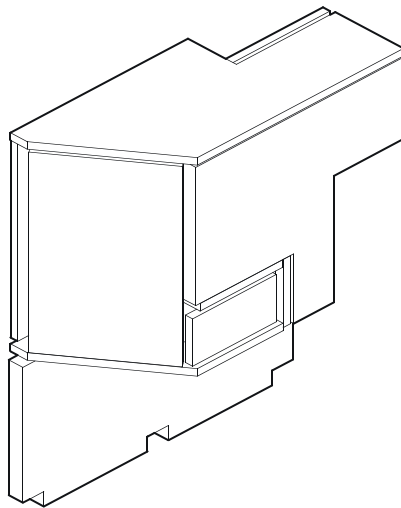
( AIR END )



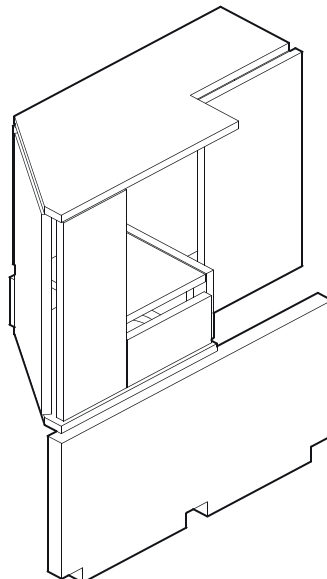
( ENGINE )



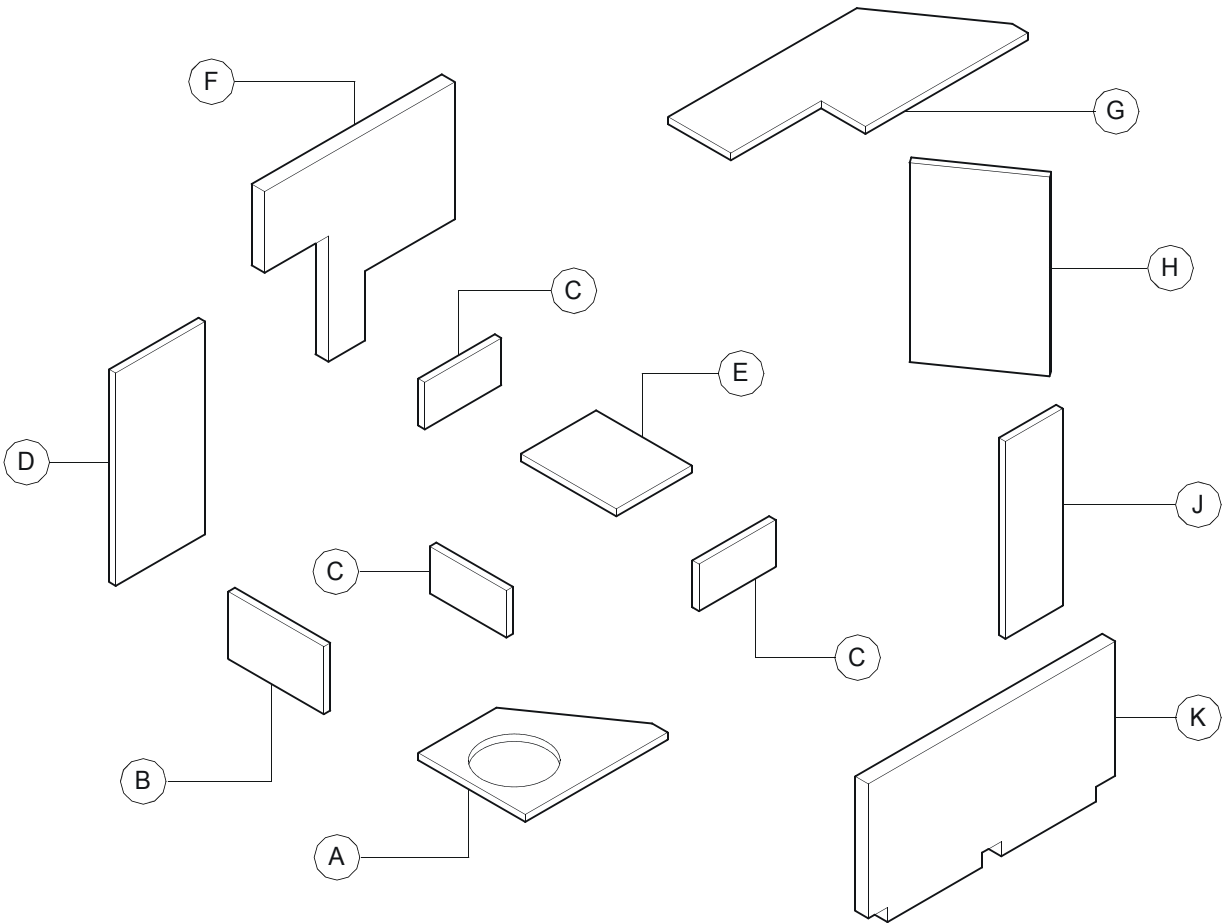
( ENGINE )



( AIR END )

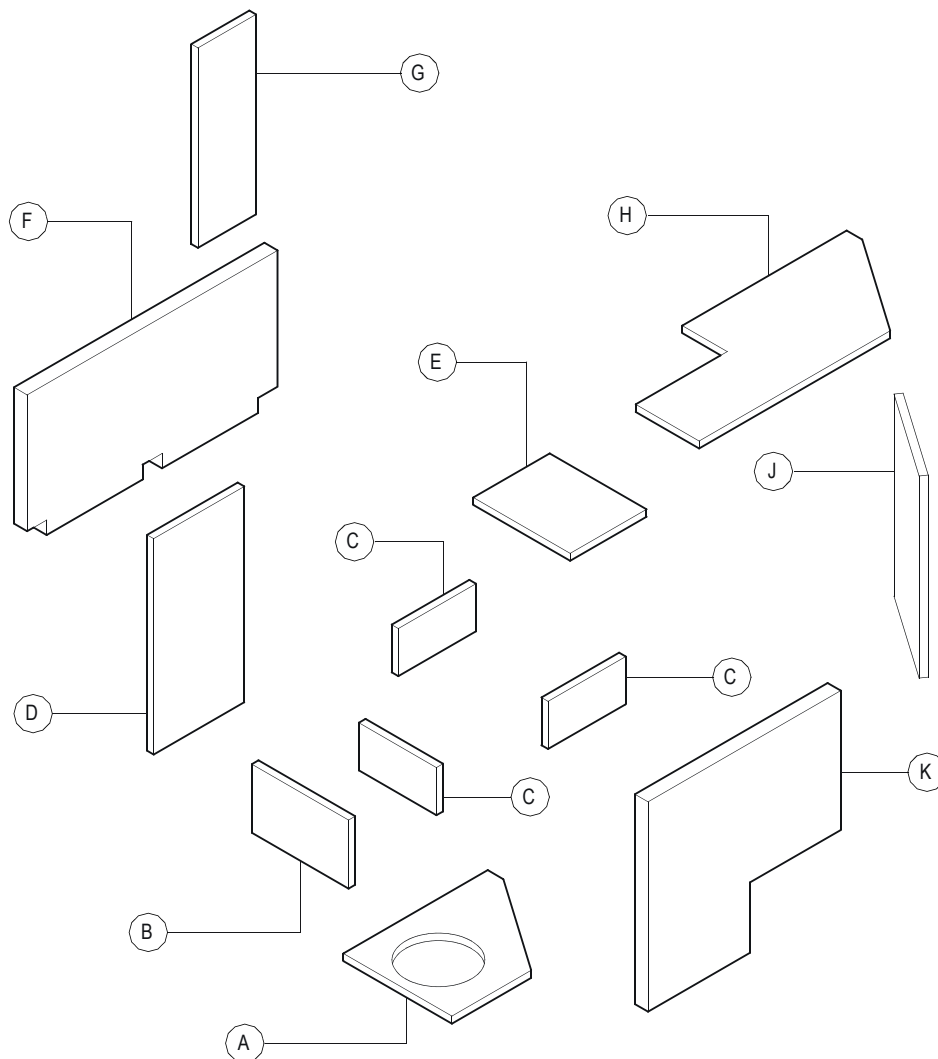


## Engine Air Intake Acoustics



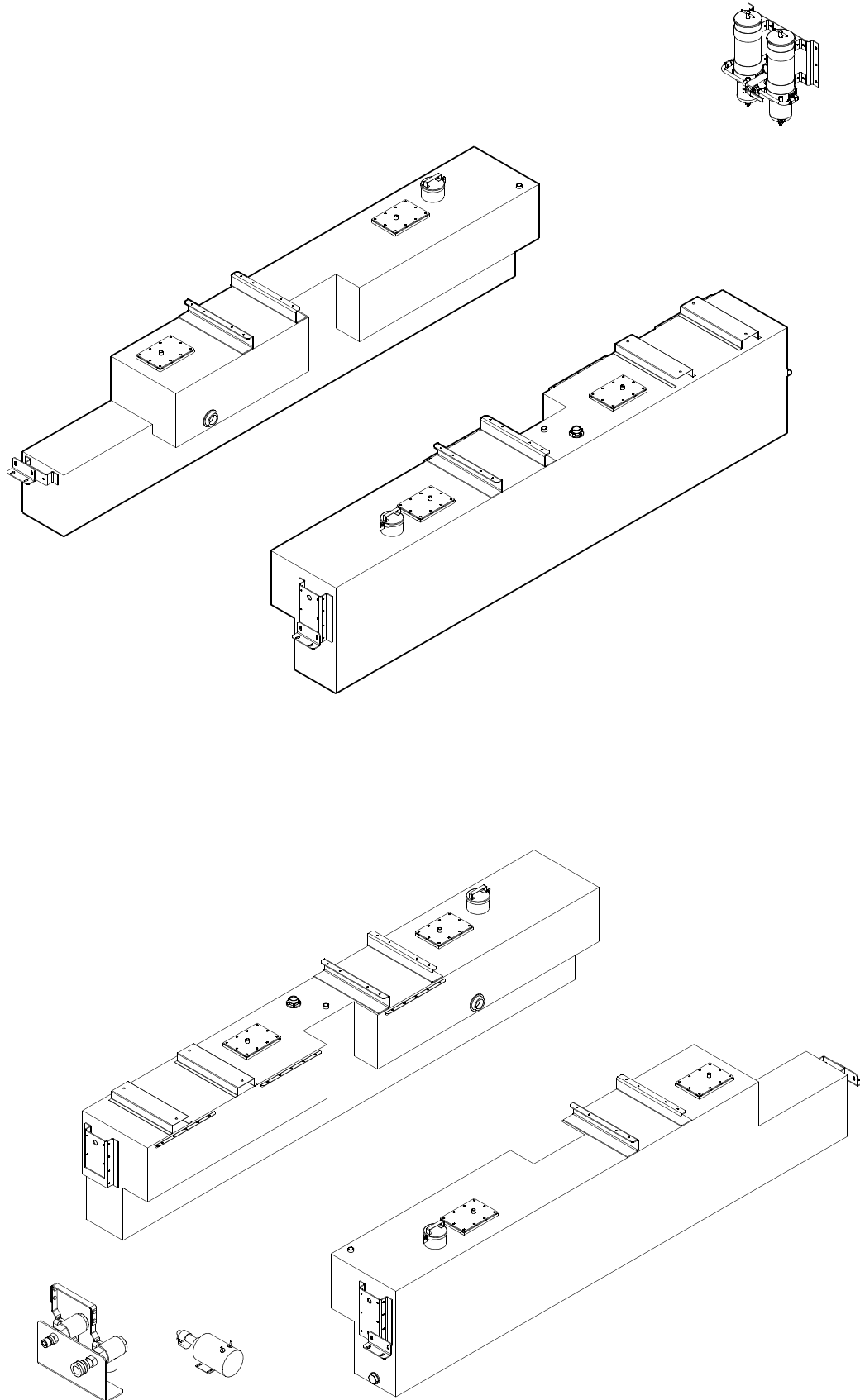
| ITEM | COMM. NO. | DESCRIPTION                      | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------|-----|------------------|
| A    | 54659289  | Foam, Engine Air Intake (Bottom) | 1   |                  |
| B    | 54659271  | Foam, Intake (Side)              | 1   |                  |
| C    | 54659255  | Foam, Intake Box                 | 3   |                  |
| D    | 54659222  | Foam, Intake (Rear)              | 1   |                  |
| E    | 54659263  | Foam, Intake Box (Top)           | 1   |                  |
| F    | 54659339  | Foam, Intake Rear                | 1   |                  |
| G    | 54659305  | Foam, Intake (Top)               | 1   |                  |
| H    | 54659347  | Foam, Intake (Side)              | 1   |                  |
| J    | 54659248  | Foam, Intake (Side)              | 1   |                  |
| K    | 54659230  | Foam, Intake (Front)             | 1   |                  |

## Air End Air Intake Acoustics

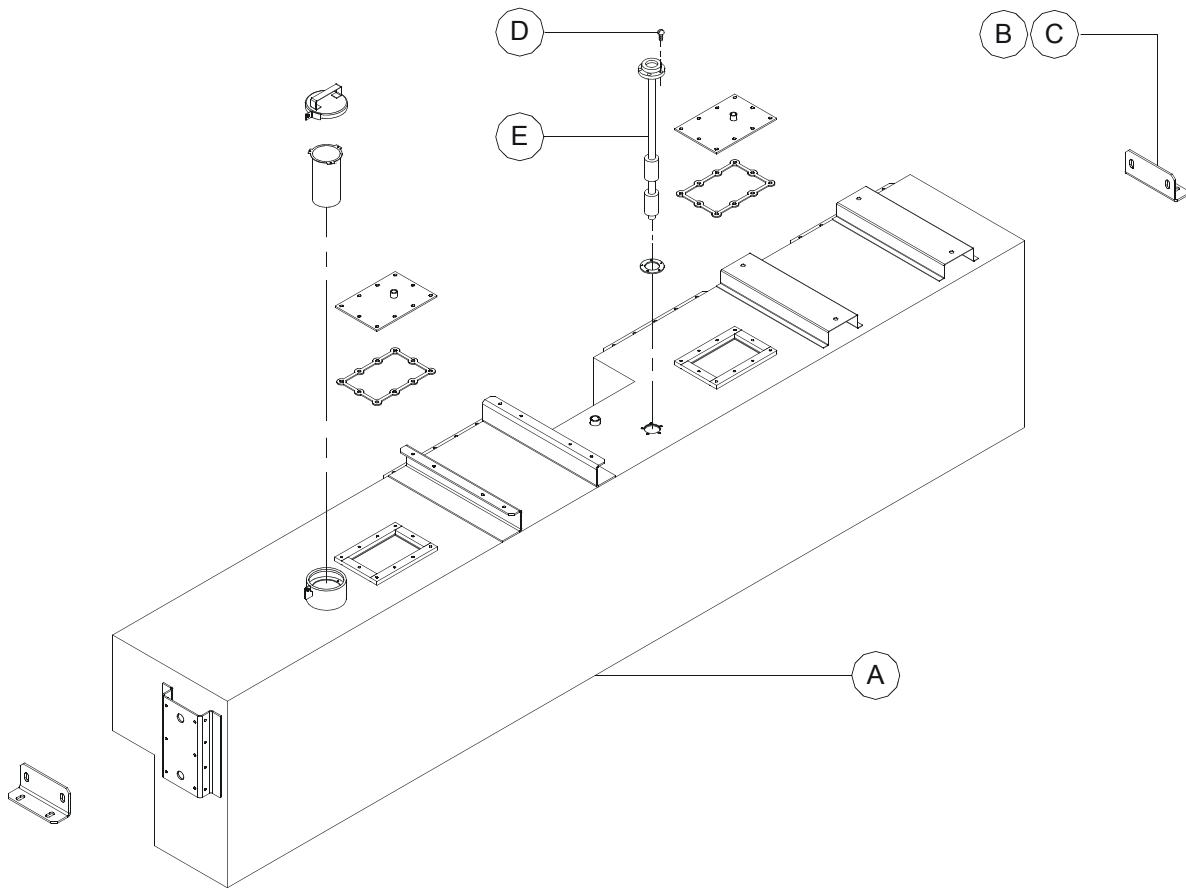


| ITEM | COMM. NO. | DESCRIPTION                       | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------------|-----|------------------|
| A    | 54659297  | Foam, Air End Air Intake (Bottom) | 1   |                  |
| B    | 54659271  | Foam, Intake (Side)               | 1   |                  |
| C    | 54659255  | Foam, Intake Box                  | 3   |                  |
| D    | 54659222  | Foam, Intake (Rear)               | 1   |                  |
| E    | 54659263  | Foam, Intake Box (Top)            | 1   |                  |
| F    | 54659230  | Foam, Intake Rear                 | 1   |                  |
| G    | 54659248  | Foam, Intake (Front)              | 1   |                  |
| H    | 54659313  | Foam, Intake (Top)                | 1   |                  |
| J    | 54659347  | Foam, Intake (Side)               | 1   |                  |
| K    | 54659321  | Foam, Intake (Rear)               | 1   |                  |

# Fuel Tank Assembly

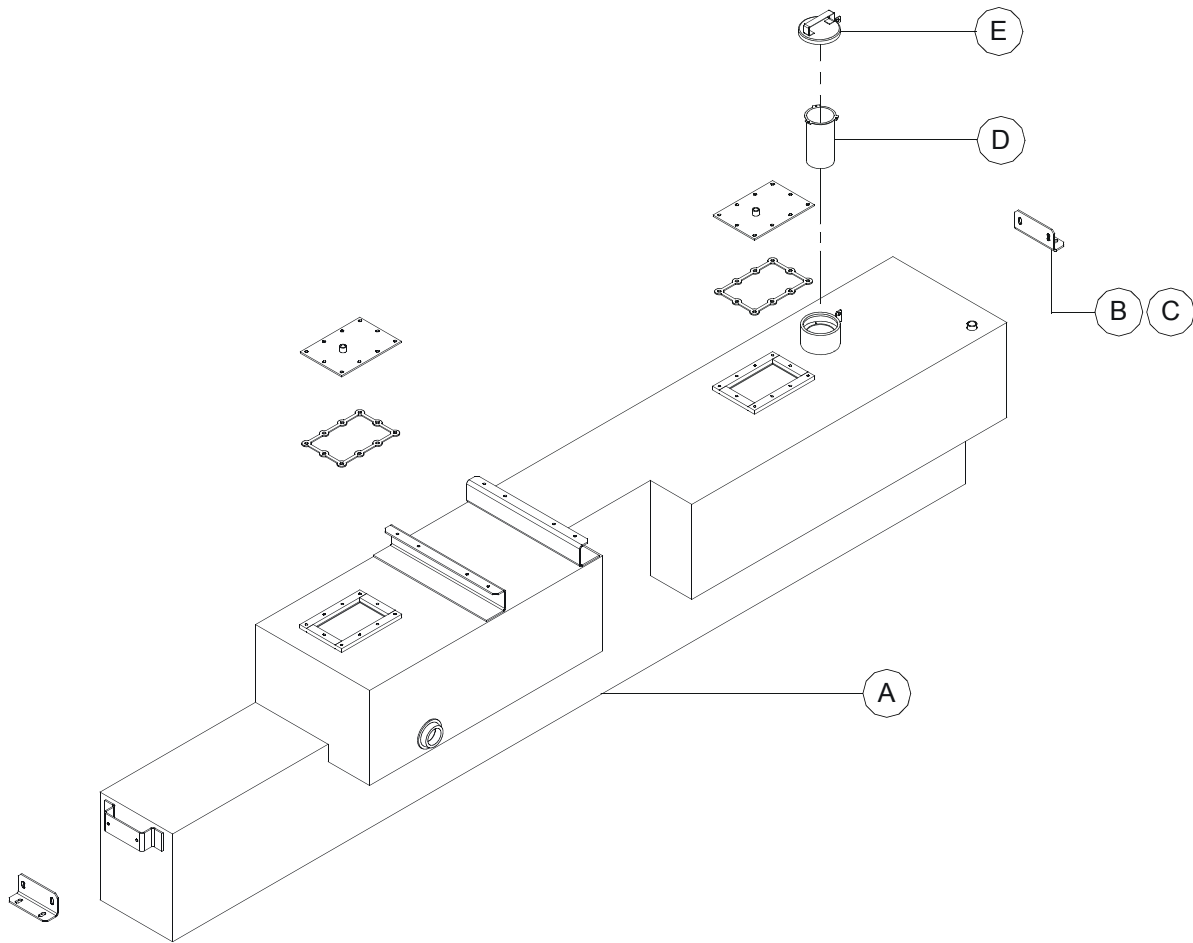


## Fuel Tank



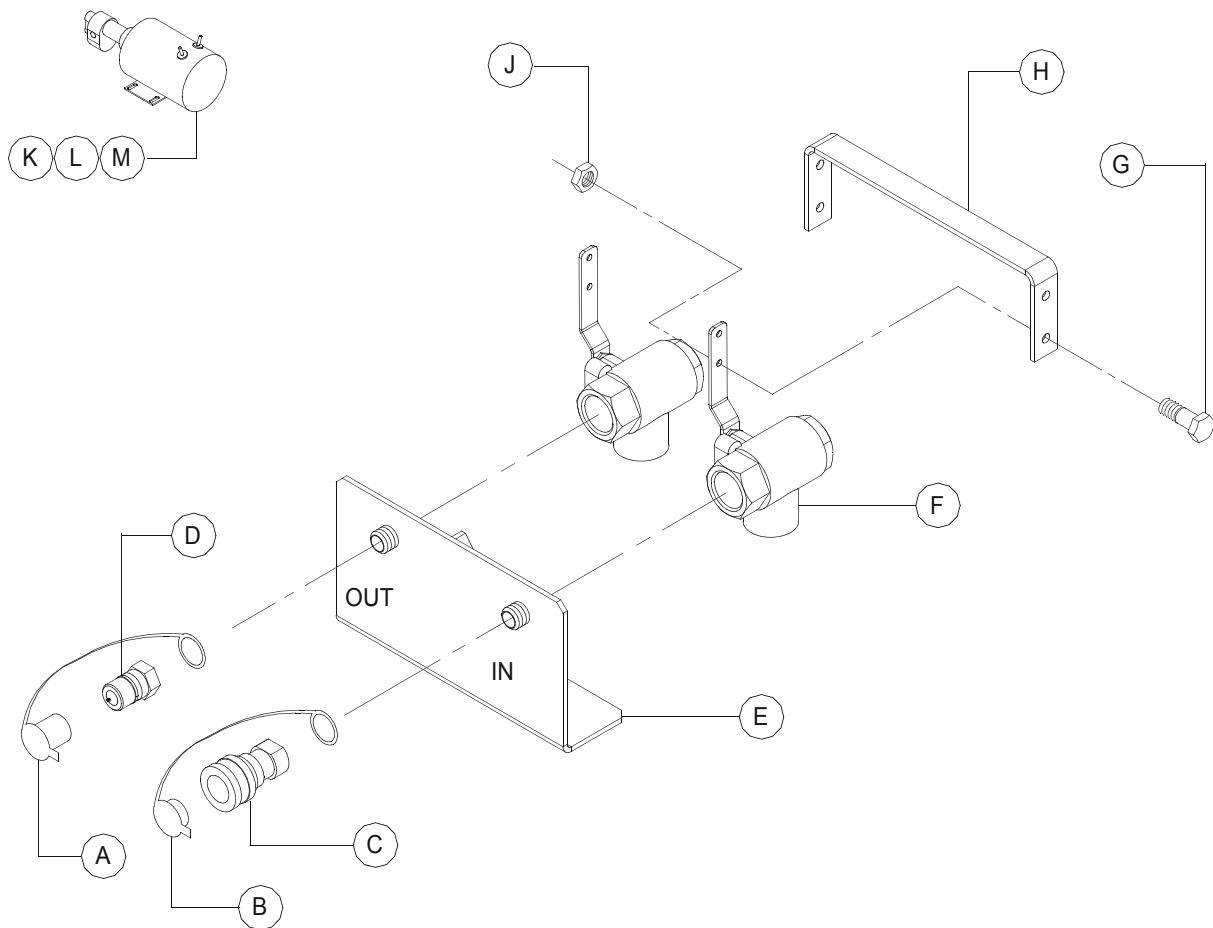
| ITEM | COMM. NO. | DESCRIPTION       | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------|-----|------------------|
| A    | 54377585  | Tank, Fuel        | 1   |                  |
| B    | 54381769  | Bracket, Mounting | 2   |                  |
| C    | 35279025  | Screw             | 8   |                  |
| D    | 36842102  | Screw             | 5   |                  |
| E    | 36876845  | Sender, Fuel      | 1   |                  |

## Fuel Tank



| ITEM | COMM. NO. | DESCRIPTION       | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------|-----|------------------|
| A    | 54381793  | Tank, Fuel        | 1   |                  |
| B    | 54381769  | Bracket, Mounting | 2   |                  |
| C    | 35279025  | Screw             | 8   |                  |
| D    | 36845022  | Strainer          | 1   |                  |
| E    | 36845014  | Cap, Fuel         | 1   |                  |

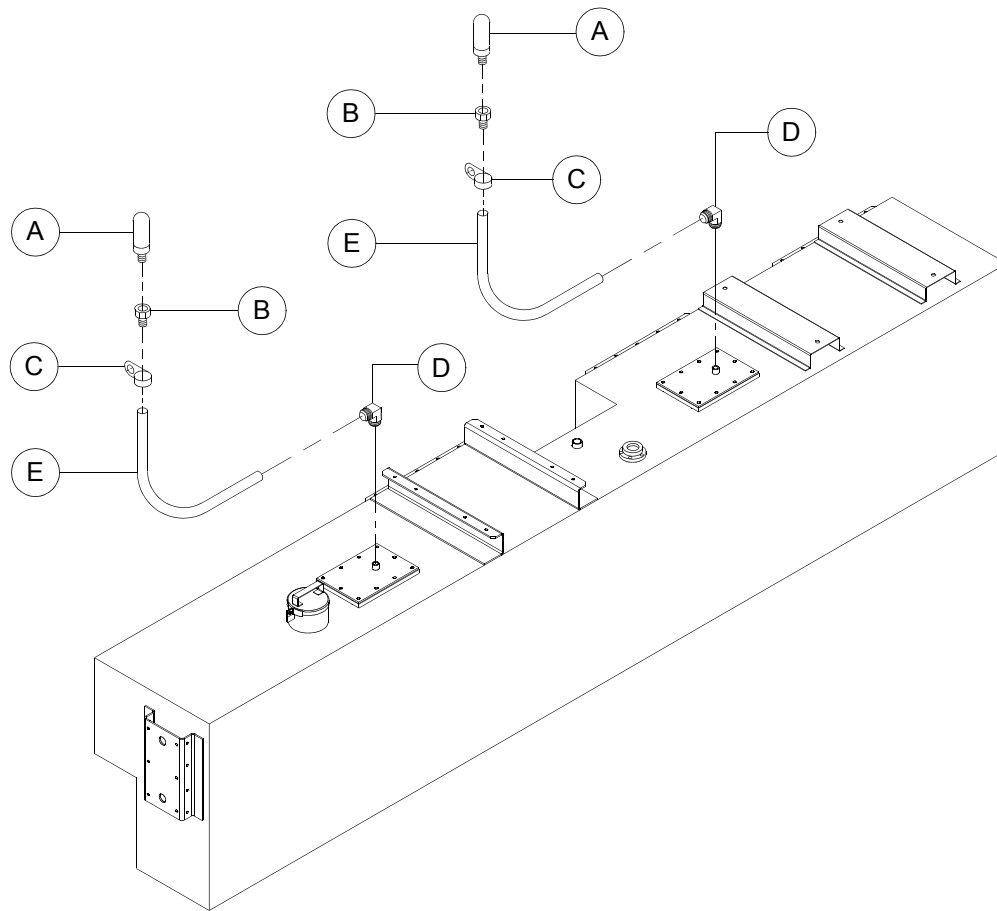
## Fuel Tank Filler



| ITEM | COMM. NO. | DESCRIPTION           | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------|-----|------------------|
| A    | 54720222  | Plug, Dust            | 1   |                  |
| B    | 54720230  | Plug, Dust            | 1   |                  |
| C    | 54489109  | Connector             | 1   |                  |
| D    | 54489125  | Coupler               | 1   |                  |
| E    | 54454103  | Bracket, Fuel Coupler | 1   |                  |
| F    | 54726575  | Valve, 3-Way          | 2   |                  |
| G    | 36898096  | Bolt                  | 4   |                  |
| H    | 54720248  | Lever, Valve          | 1   |                  |
| J    | 36898104  | Nut                   | 4   |                  |
| K    | 54661962  | Fuel Pump Assembly    | 1   |                  |
| L    | 54728605  | Motor, Fuel Pump      | 1   |                  |
| M    | 54728639  | Head, Fuel Pump       | 1   |                  |

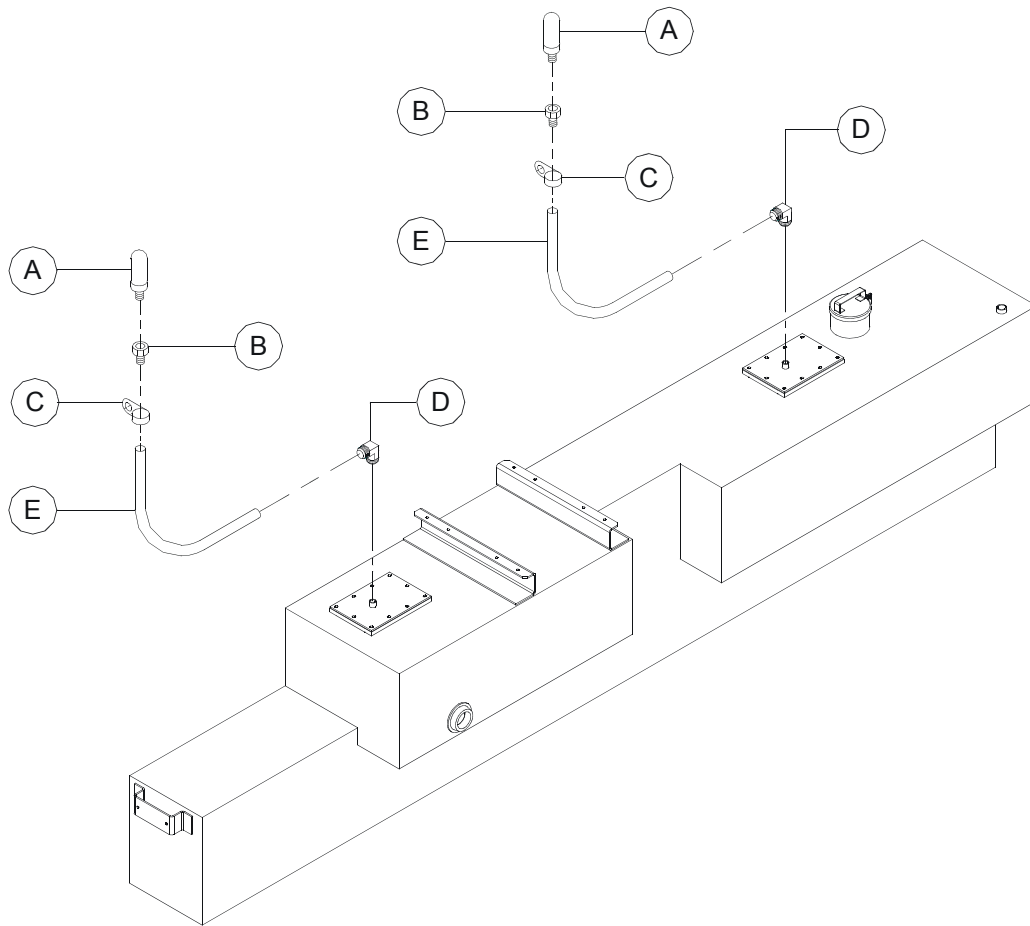


## Fuel Tank



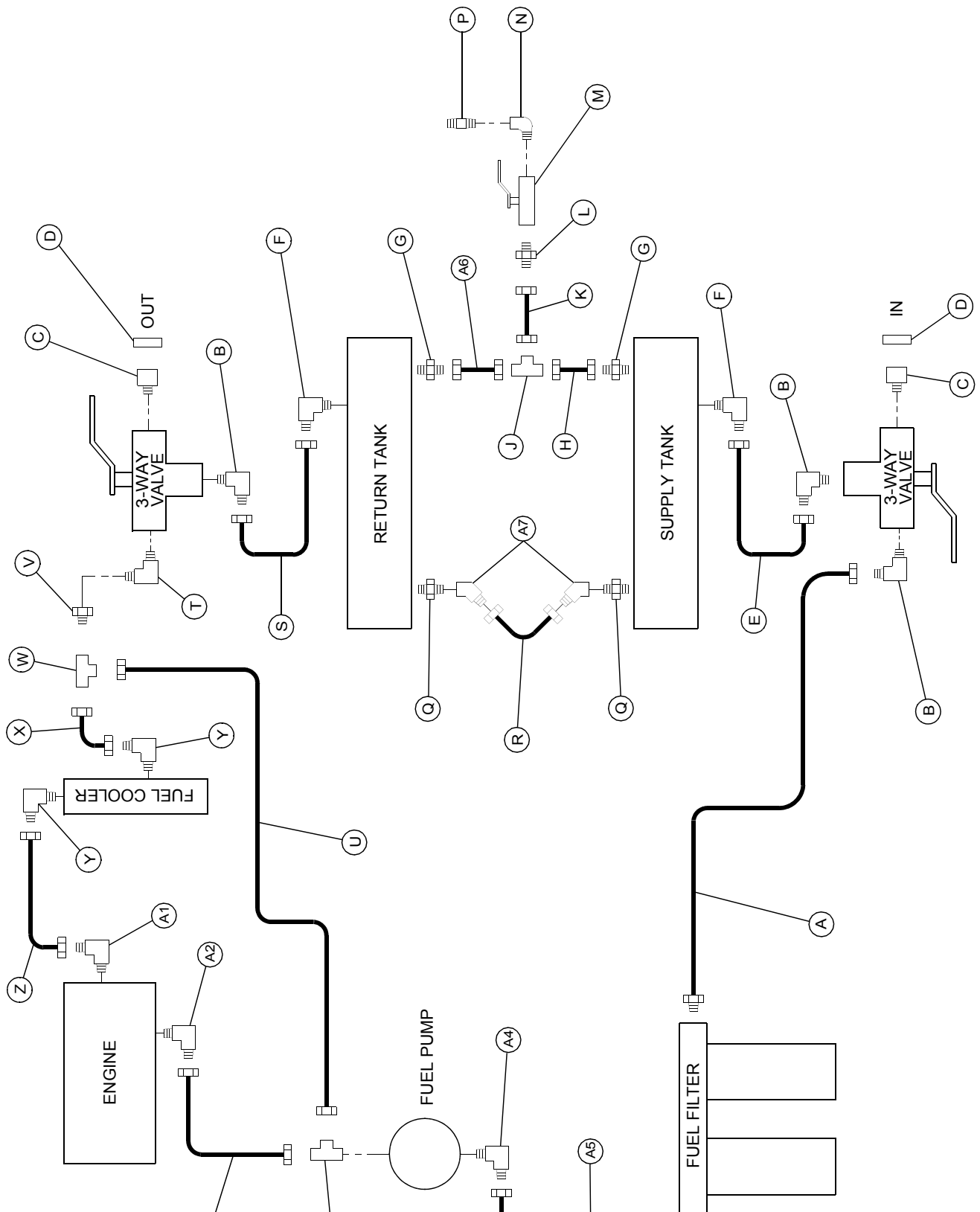
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
| A    | 35369354  | Elbow       | 1   |                  |
| B    | 35356484  | Tubing      | 1   |                  |
| C    | 35253038  | Clamp       | 1   |                  |
| D    | 35369339  | Connector   | 1   |                  |
| E    | 35322395  | Silencer    | 1   |                  |

## Fuel Tank



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
| A    | 35369354  | Elbow       | 1   |                  |
| B    | 35356484  | Tubing      | 1   |                  |
| C    | 35253038  | Clamp       | 1   |                  |
| D    | 35369339  | Connector   | 1   |                  |
| E    | 35322395  | Silencer    | 1   |                  |
|      |           |             |     | Not Illustrated  |

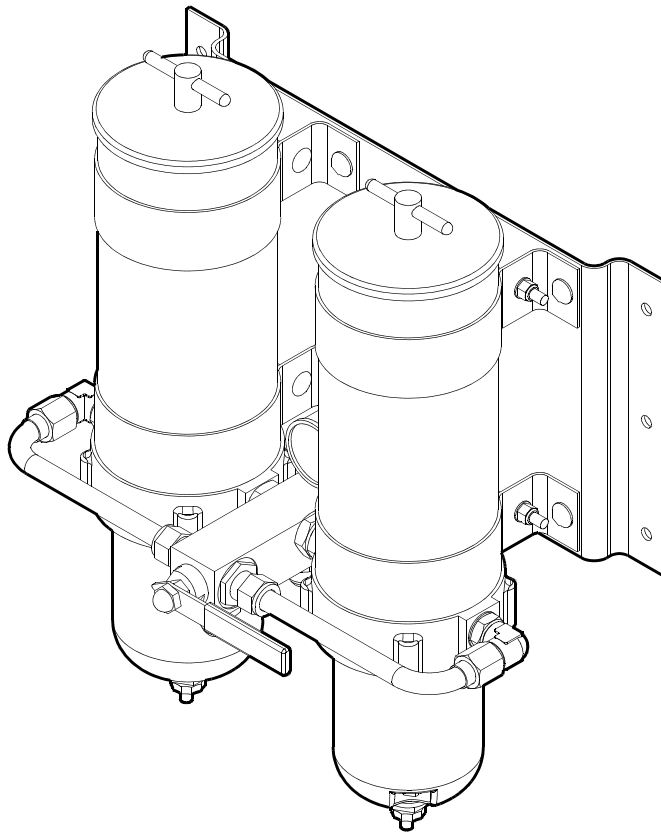
# Fuel Piping



# Fuel Piping

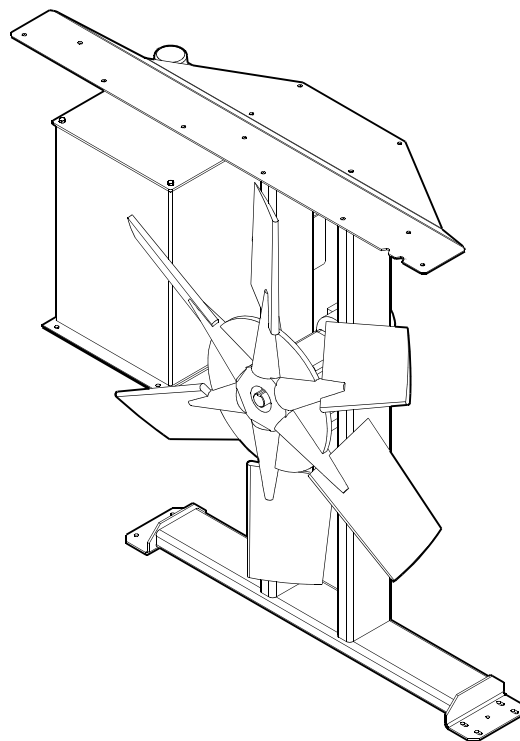
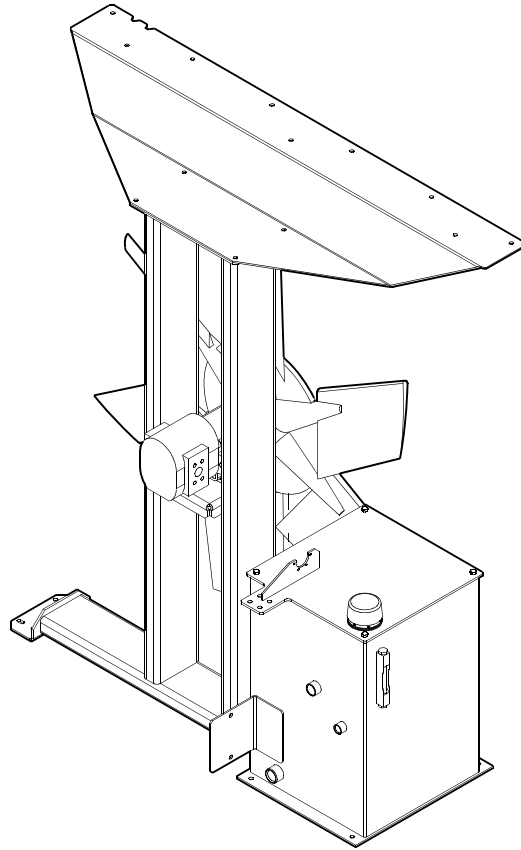
| ITEM | COMM. NO. | DESCRIPTION   | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------|-----|------------------|
| A    | 35291863  | Hose Assembly |     |                  |
| B    | 95937637  | Elbow         |     |                  |
| C    | 54489125  | Coupler       |     |                  |
| D    | 54720230  | Plug, Dust    |     |                  |
| E    | 35286939  | Hose Assembly |     |                  |
| F    | 35286756  | Elbow         |     |                  |
| G    | 36846061  | Adapter       |     |                  |
| H    | 36792018  | Hose Assembly |     |                  |
| J    | 95774220  | Tee           |     |                  |
| K    | 54718747  | Hose Assembly |     |                  |
| L    | 95328761  | Adapter       |     |                  |
| M    | 35576123  | Valve, Ball   |     |                  |
| N    | 95928180  | Elbow         |     |                  |
| P    | 95946117  | Nipple        |     |                  |
| Q    | 35335124  | Adapter       |     |                  |
| R    | 54718754  | Hose Assembly |     |                  |
| S    | 54718887  | Hose Assembly |     |                  |
| T    | 95928172  | Elbow         |     |                  |
| U    | 54718655  | Hose Assembly |     |                  |
| V    | 95953956  | Bushing       |     |                  |
| W    | 35315977  | Tee           |     |                  |
| X    | 54718861  | Hose Assembly |     |                  |
| Y    | 95992863  | Elbow         |     |                  |
| Z    | 54718853  | Hose Assembly |     |                  |
| AI   | 35287911  | Elbow         |     |                  |
| A2   | 35305648  | Elbow         |     |                  |
| A3   | 54718846  | Hose Assembly |     |                  |
| A4   | 35286525  | Elbow         |     |                  |
| A5   | 35291863  | Hose Assembly |     |                  |
| A6   | 35142199  | Hose Assembly |     |                  |
| A7   | 95871448  | Elbow, 45     |     |                  |

## Water Filter Assembly

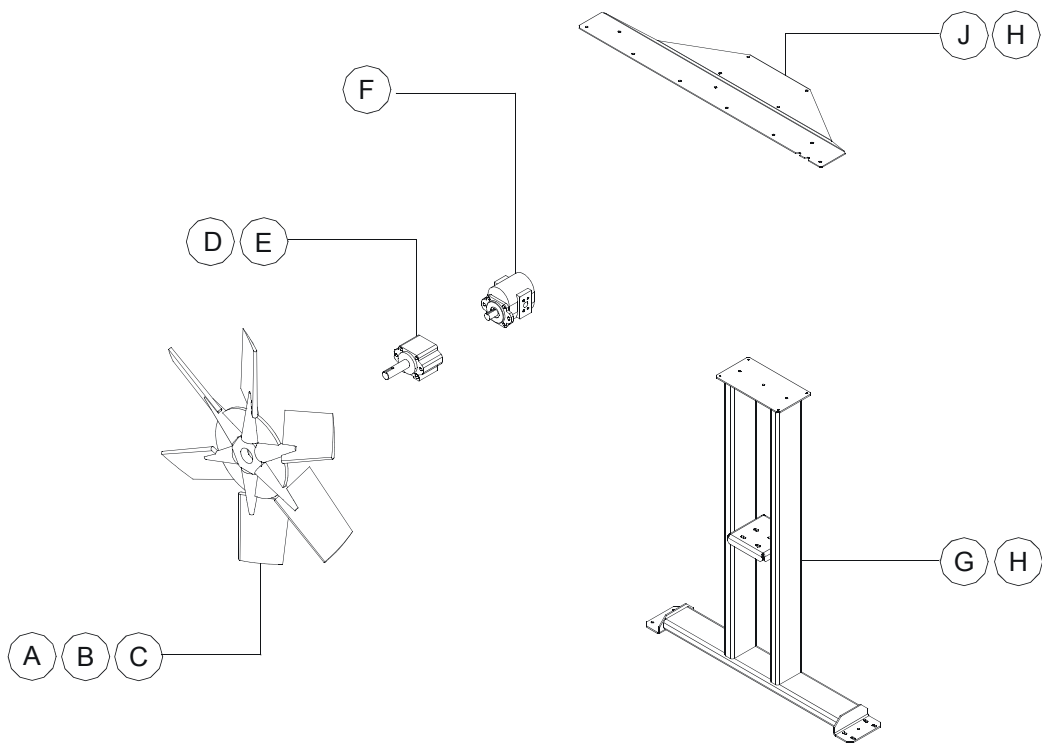


| ITEM | COMM. NO. | DESCRIPTION                                       | QTY | DIMENSIONS/NOTES   |
|------|-----------|---------------------------------------------------|-----|--------------------|
| A    | 54661582  | Filter Assembly                                   | 1   | 24 Volt / 300 Watt |
| B    | *54726971 | Gauge, Vacuum                                     | 1   |                    |
| C    | *54726965 | Heaters                                           | 2   |                    |
| D    | *54661590 | Elements, Replacement<br>* Included with Assembly | 2   |                    |

## Hydraulic Fan Assembly

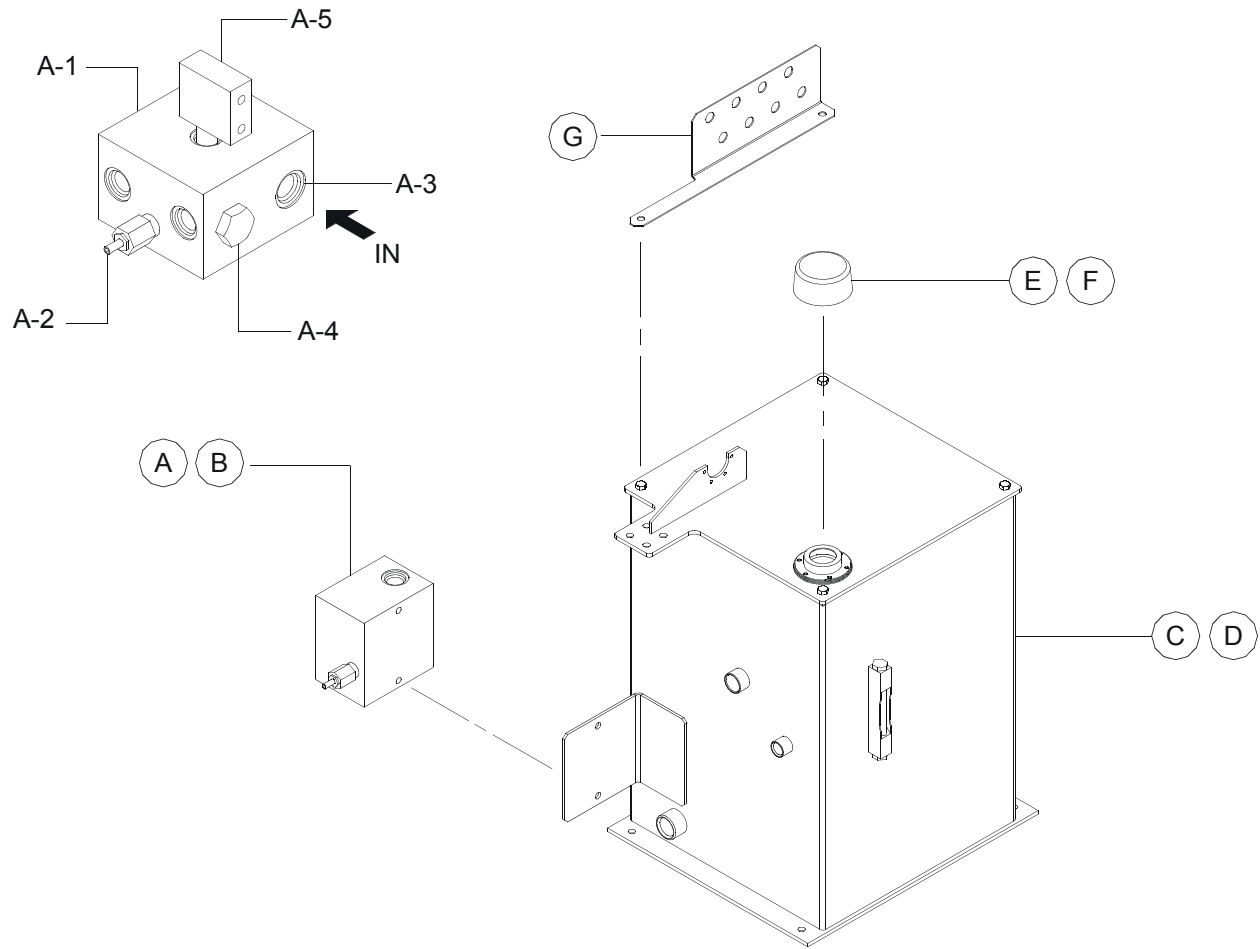


Hydraulic Fan Assembly



| ITEM | COMM. NO. | DESCRIPTION            | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------|-----|------------------|
| A    | 54721188  | Fan                    | 1   |                  |
| B    | 36863389  | Bushing, Fan           | 1   |                  |
| C    | 35321421  | Key, Bushing           | 1   |                  |
| D    | 43205327  | Adapter, Overhung Load | 1   |                  |
| E    | 95955548  | Screw                  | 2   |                  |
| F    | 54661442  | Motor, Hydraulic Fan   | 1   |                  |
| G    | 54597588  | Support, Hydraulic Fan | 1   |                  |
| H    | 35279025  | Screw                  | *   |                  |
| J    | 54601620  | Plate, Top             | 1   |                  |

## Hydraulic Tank Assembly

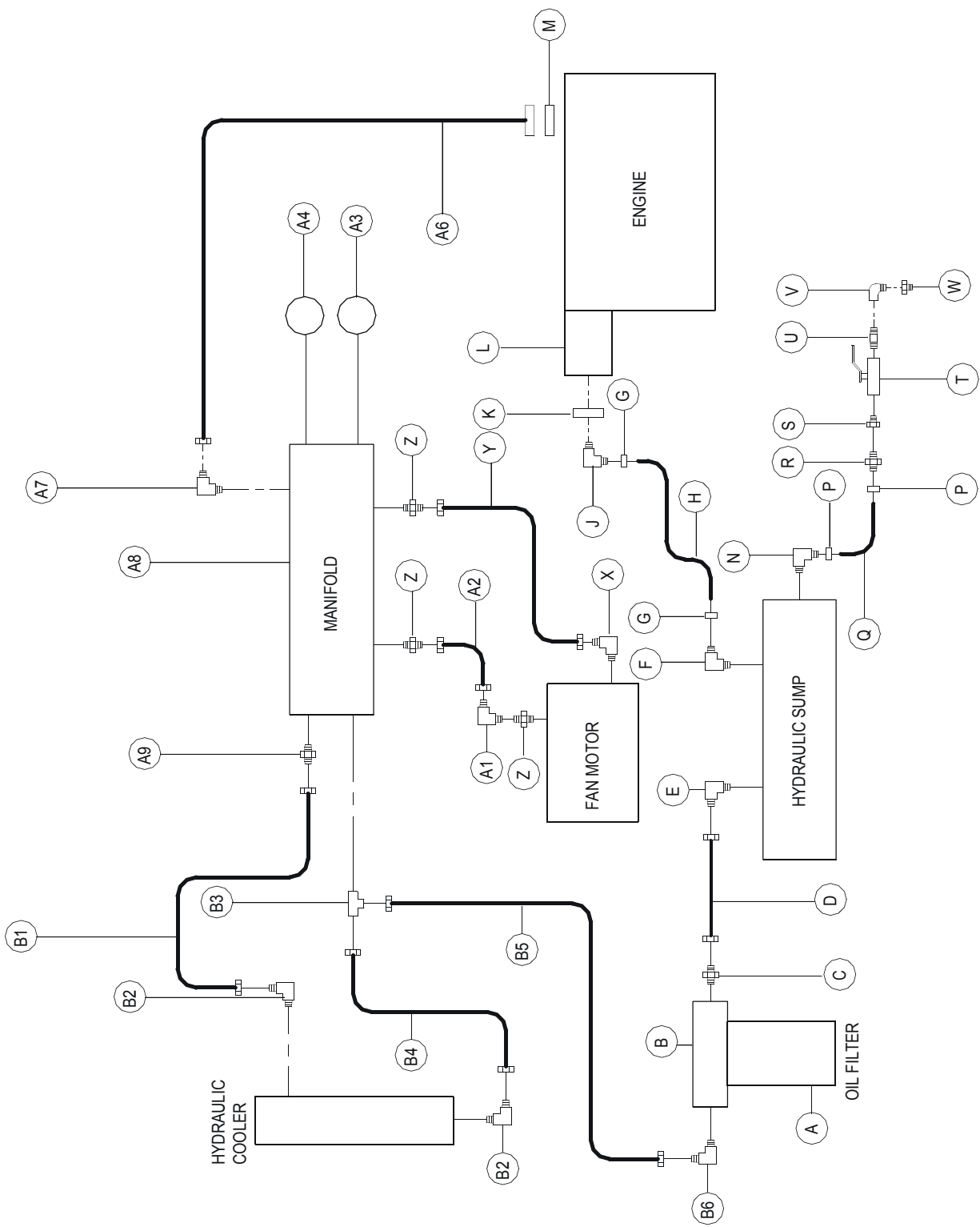


| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| A    | 54603865  | Relief Valve Assembly        | 1   |                  |
| A-1  | 54631924  | Block, Relief Valve          | 1   |                  |
| A-2  | 54661517  | Cartridge, Adjustable Relief | 1   |                  |
| A-3  | 54661525  | Cartridge, Check Valve       | 1   |                  |
| A-4  | 54661541  | Valve, Check                 | 1   |                  |
| A-5  | 54661509  | Valve, Proportional          | 1   |                  |
|      | 35279827  | Elbow                        | 1   |                  |
|      | 35367846  | Nut, Swivel                  | 1   |                  |
|      | 54661574  | Isolator, Needle Valve Gauge | 1   |                  |
|      | 54661566  | Gauge, 0-3000 PSI            | 1   |                  |
| B    | 95934618  | Screw                        | 2   |                  |
| C    | 54457072  | Tank Assembly                | 1   |                  |
| D    | 35279025  | Screw                        | 4   |                  |
| E    | 43205384  | Cap                          | 1   |                  |
| F    | 43205392  | Gasket                       | 1   |                  |
| G    | 54576327  | Bracket, Transducer          | 1   |                  |



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
|      |           |             |     |                  |

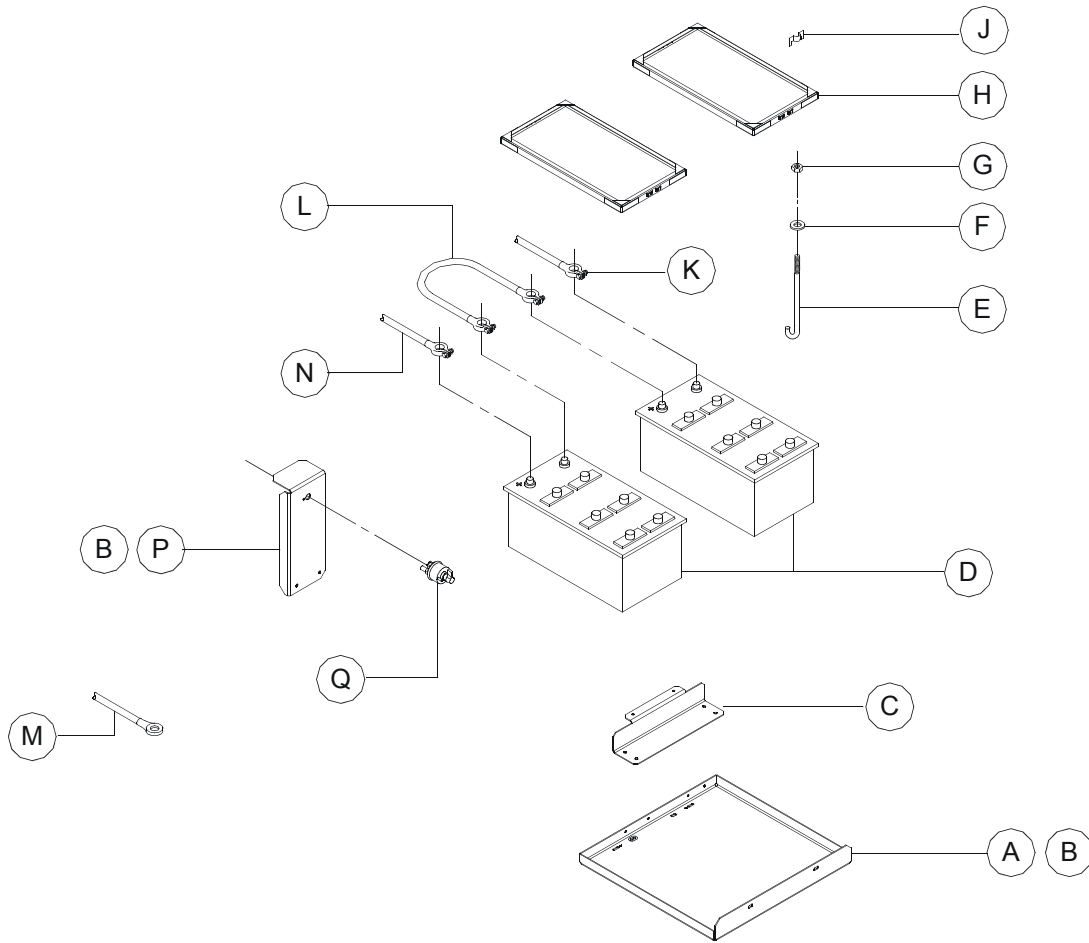
Hydraulic Piping



## Hydraulic Piping

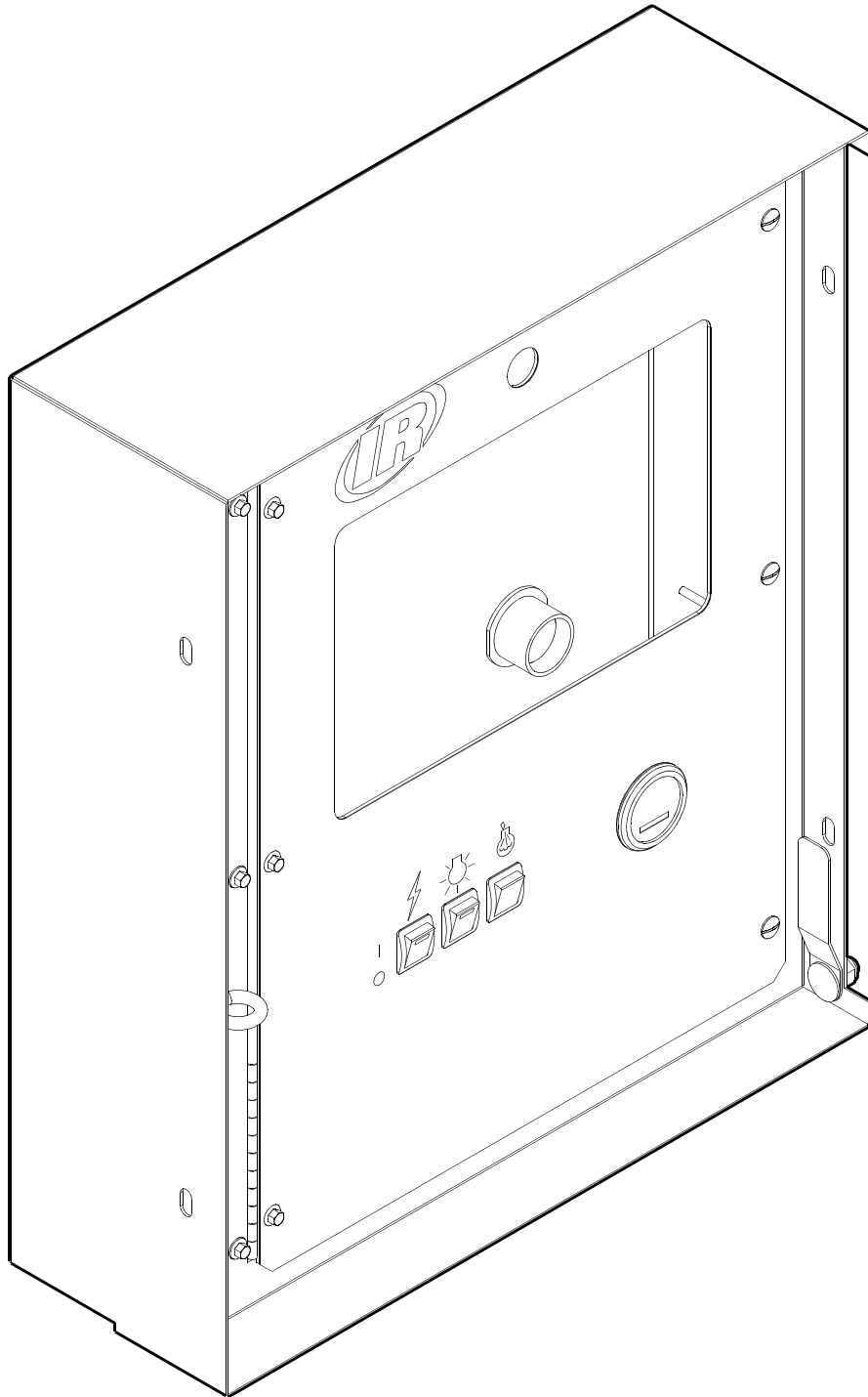
| ITEM | COMM. NO. | DESCRIPTION         | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------|-----|------------------|
| A    | 39911615  | Element, Filter     |     |                  |
| B    | 39871165  | Head, Filter        |     |                  |
| C    | 95356978  | Connector           |     |                  |
| D    | 54718697  | Hose Assembly       |     |                  |
| E    | 95219853  | Elbow               |     |                  |
| F    | 54603733  | Elbow               |     |                  |
| G    | 54603816  | Clamp               |     |                  |
| H    | 54603790  | 104" Hose           |     |                  |
| J    | 54603782  | Elbow               |     |                  |
| K    | 54603758  | Flange, Split       |     |                  |
| L    | 54604343  | Pump, Hydraulic     |     |                  |
| M    | 54603766  | Flange, Split       |     |                  |
| N    | 35366665  | Elbow               |     |                  |
| P    | 95220844  | Clamp               |     |                  |
| Q    | 35326578  | 96" Hose            |     |                  |
| R    | 35326560  | Adapter             |     |                  |
| S    | 95953949  | Bushing             |     |                  |
| T    | 35576115  | Valve, Ball         |     |                  |
| U    | 95647939  | Nipple              |     |                  |
| V    | 95928172  | Elbow               |     |                  |
| W    | 95944617  | Bushing             |     |                  |
| X    | 35291384  | Elbow               |     |                  |
| Y    | 54718705  | Hose Assembly       |     |                  |
| Z    | 95955993  | Connector           |     |                  |
| A1   | 35292051  | Elbow               |     |                  |
| A2   | 54718705  | Hose Assembly       |     |                  |
| A3   | 54661509  | Valve, Proportional |     |                  |
| A4   | 54661566  | Gauge               |     |                  |
| A5   | 54661574  | Isolator            |     |                  |
| A6   | 54718721  | Hose Assembly       |     |                  |
| A7   | 35291384  | Elbow               |     |                  |
| A8   | 54603865  | Manifold            |     |                  |
| A9   | 35295880  | Connector           |     |                  |
| B1   | 54718788  | Hose Assembly       |     |                  |
| B2   | 35294750  | Elbow               |     |                  |
| B3   | 35332030  | Tee                 |     |                  |
| B4   | 54718762  | Hose Assembly       |     |                  |
| B5   | 54718689  | Hose Assembly       |     |                  |
| B6   | 59798322  | Elbow               |     |                  |

## Battery and Mounting

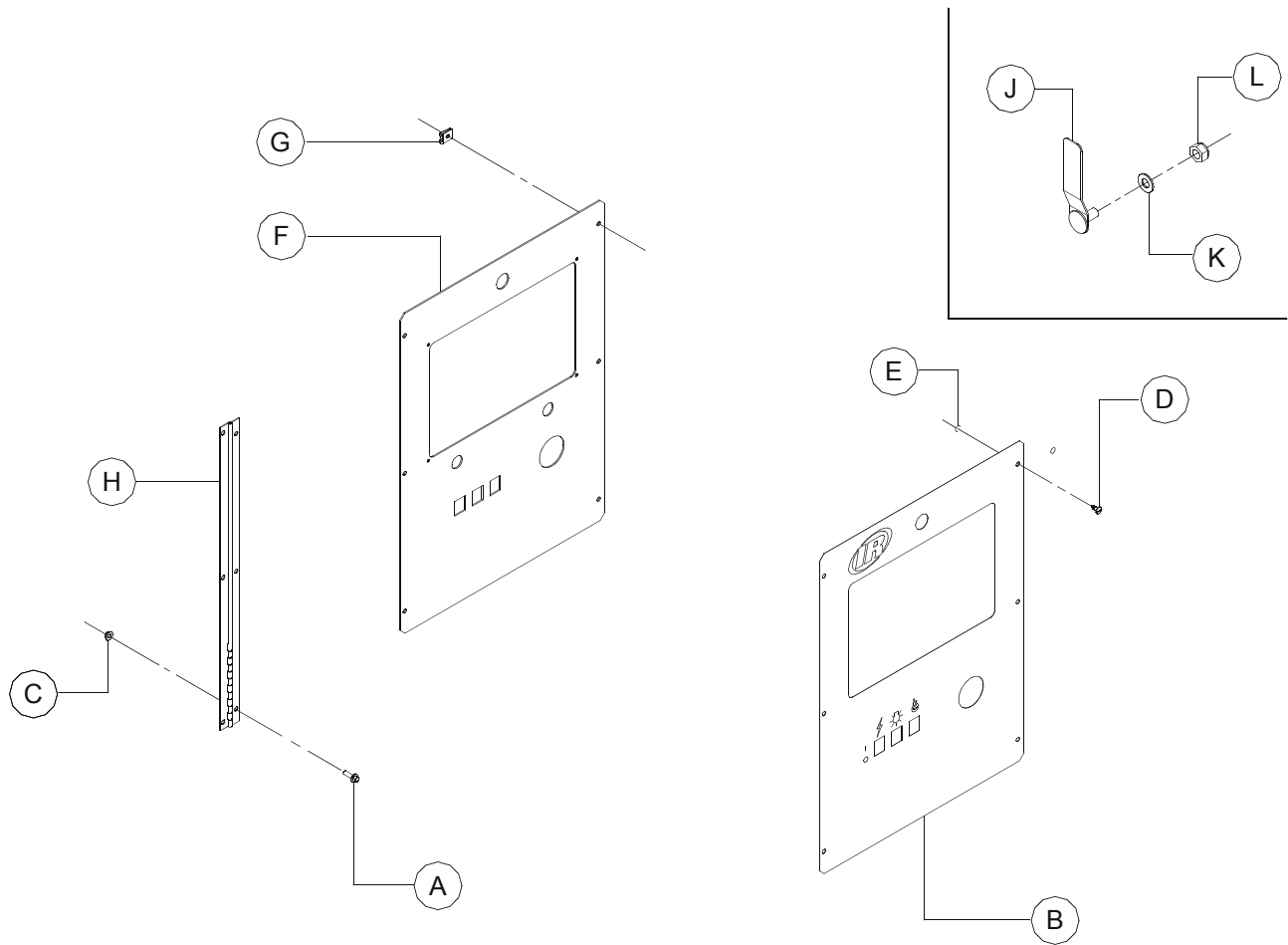


| ITEM | COMM. NO. | DESCRIPTION                       | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------------|-----|------------------|
| A    | 54618640  | Tray, Battery                     | 1   |                  |
| B    | 35279025  | Screw                             | *   |                  |
| C    | 54619952  | Support, Tray                     | 1   |                  |
| D    | 35225788  | Battery                           | 2   |                  |
| E    | 36860005  | J-Bolt                            | 4   |                  |
| F    | 95935029  | Washer                            | 4   |                  |
| G    | 35144492  | Nut                               | 4   |                  |
| H    | 35562156  | Hold-Down, Battery                | 2   |                  |
| J    | 35108216  | Clip                              | 4   |                  |
| K    | 54511258  | Cable, Negative                   | 1   |                  |
| L    | 35128982  | Cable, Jumper                     | 1   |                  |
| M    | 54511274  | Cable, Positive                   | 1   |                  |
| N    | 54511282  | Cable, Disconnect Switch          | 1   |                  |
| P    | 54690789  | Bracket, Master Disconnect Switch | 1   |                  |
| Q    | 36896975  | Switch, Master Disconnect         | 1   |                  |
|      | 54511241  | Ground Strap From Starter         | 1   |                  |
|      | 35293075  | Ground Strap to RH of Engine      | 1   |                  |

## Instrument / Control Panel Assembly

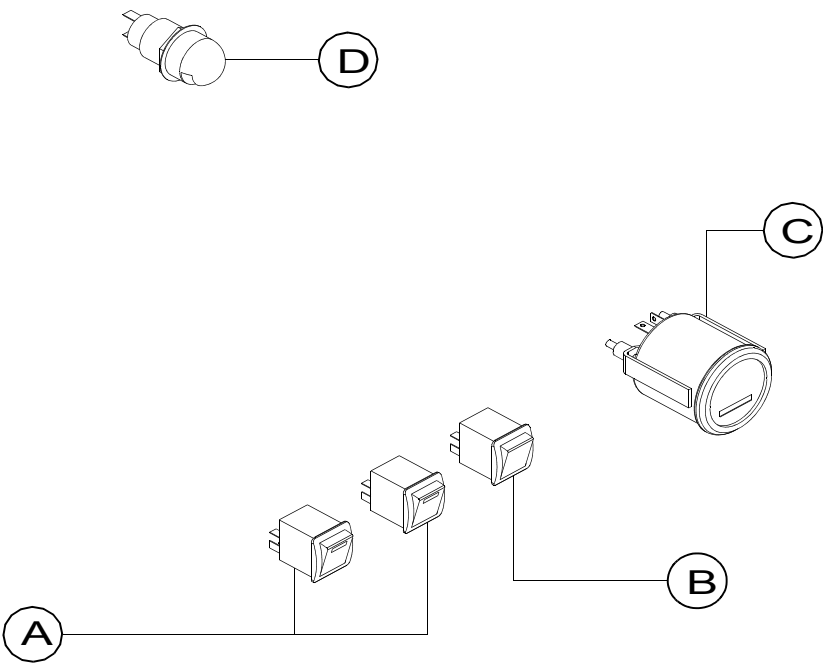


## Instrument / Control Panel Mounting



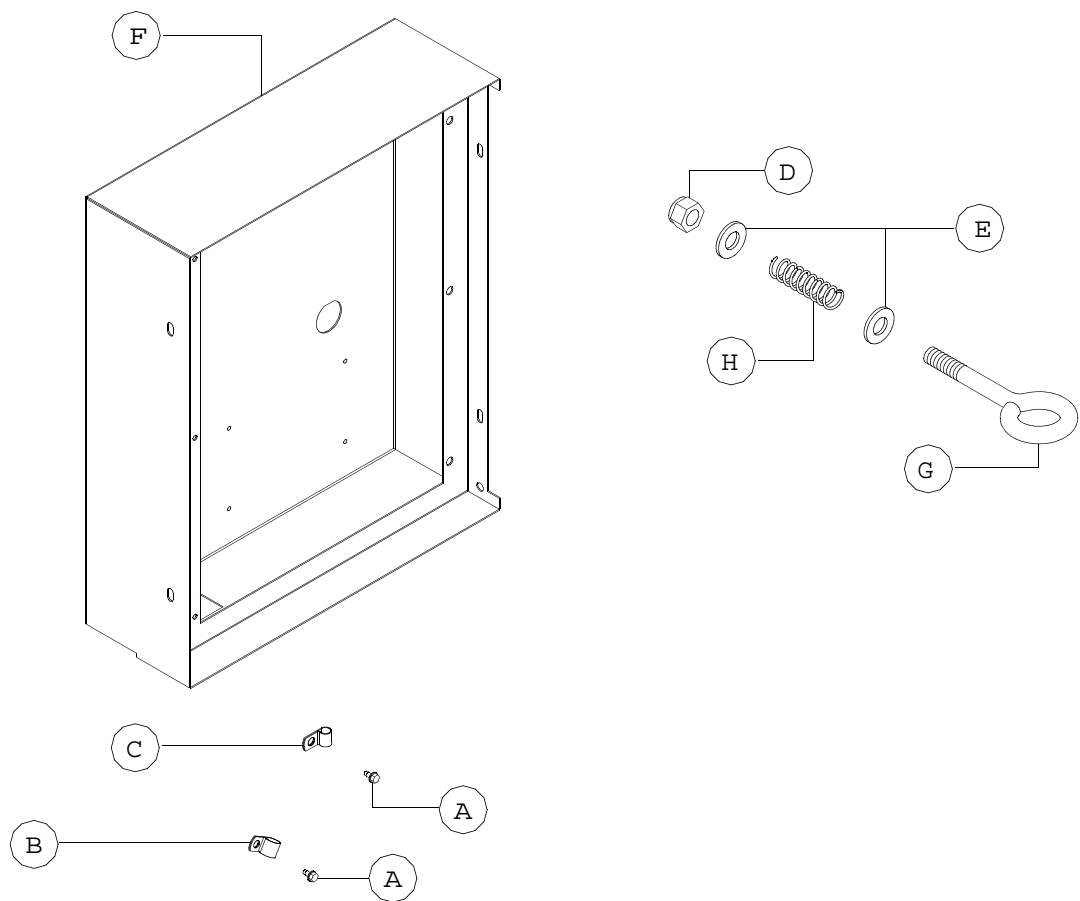
| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A    | 36898096  | Screw                       | 6   |                  |
| B    | 54631767  | Laminate, Control Panel     | 1   |                  |
| C    | 36898104  | Nut                         | 6   |                  |
| D    | 36844124  | Screw                       | 3   |                  |
| E    | 35369180  | Retainer                    | 3   |                  |
| F    | 54631908  | Panel, Control / Instrument | 1   |                  |
| G    | 35314582  | Fastener                    | 3   |                  |
| H    | 36840908  | Hinge                       | 1   |                  |
| J    | 35603349  | Latch                       | 1   |                  |
| K    | 95935037  | Washer                      | 2   |                  |
| L    | 35273366  | Nut                         | 1   |                  |

Instrument / Control Panel Mounting



| ITEM | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------|-----|------------------|
| A    | 54475686  | Switch, Rocker       | 2   |                  |
| B    | 54475777  | Switch, Rocker       | 1   |                  |
| C    | 36841245  | Hourmeter            | 1   |                  |
| D    | 36841252  | Light, Control Panel | 1   |                  |

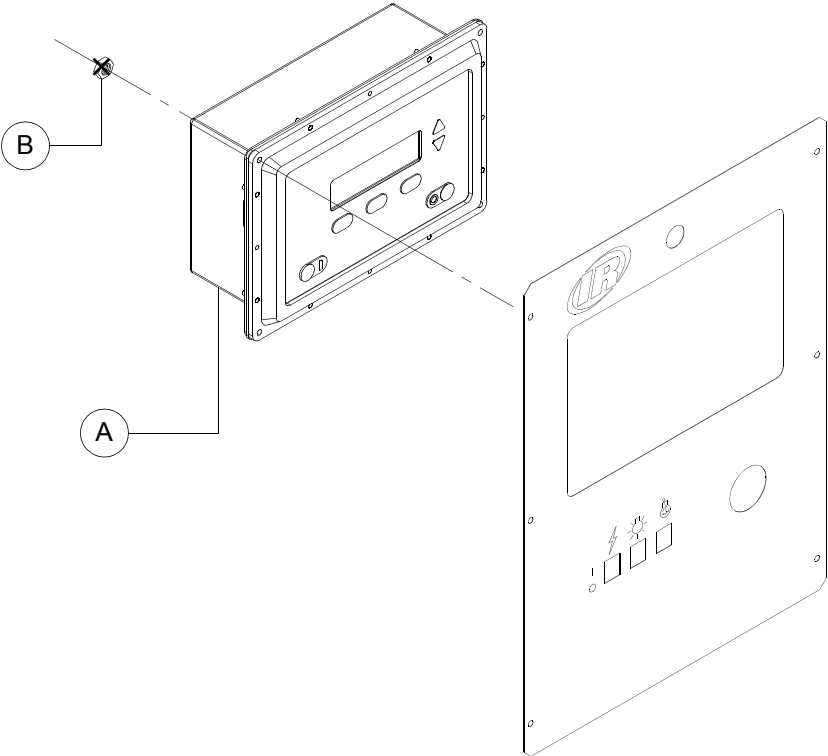
Instrument / Control Panel Mounting



| ITEM | COMM. NO. | DESCRIPTION        | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------|-----|------------------|
| A    | 36797652  | Screw              | 6   |                  |
| B    | 35225077  | Clamp              | 1   |                  |
| C    | 35225093  | Clamp              | 1   |                  |
| D    | 95923314  | Nut                | 1   |                  |
| E    | 95934998  | Washer             | 1   |                  |
| F    | 54621552  | Box, Control Panel | 1   |                  |
| G    | 35327303  | Bolt, Eye          | 1   |                  |
| H    | 35327311  | Spring             | 1   |                  |

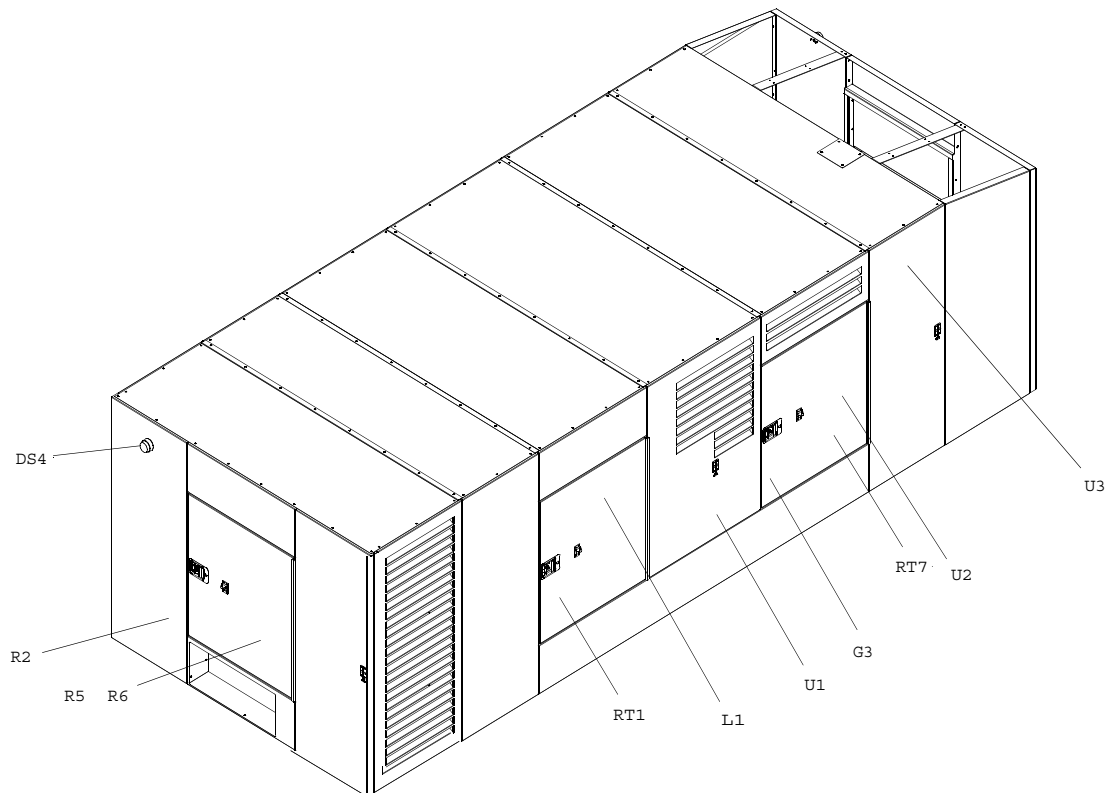
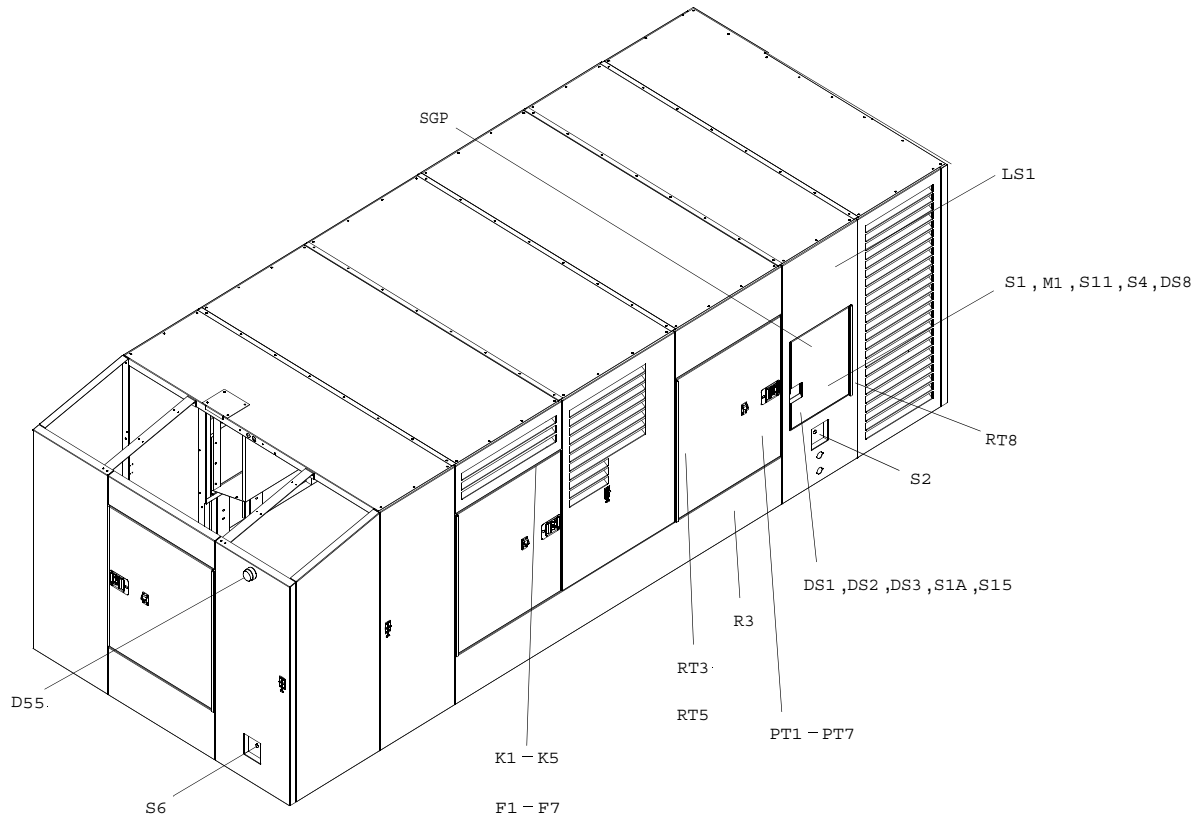


Controller Assembly

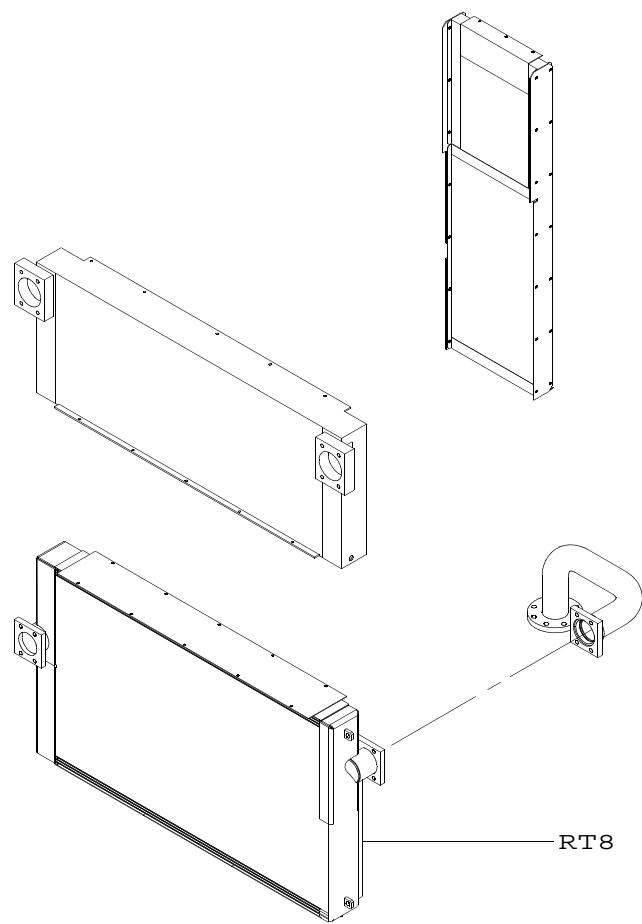


| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
| A    | 54441753  | Controller  | 1   |                  |
| B    | 95928800  | Nut         | 4   |                  |

# Electrical Components Location

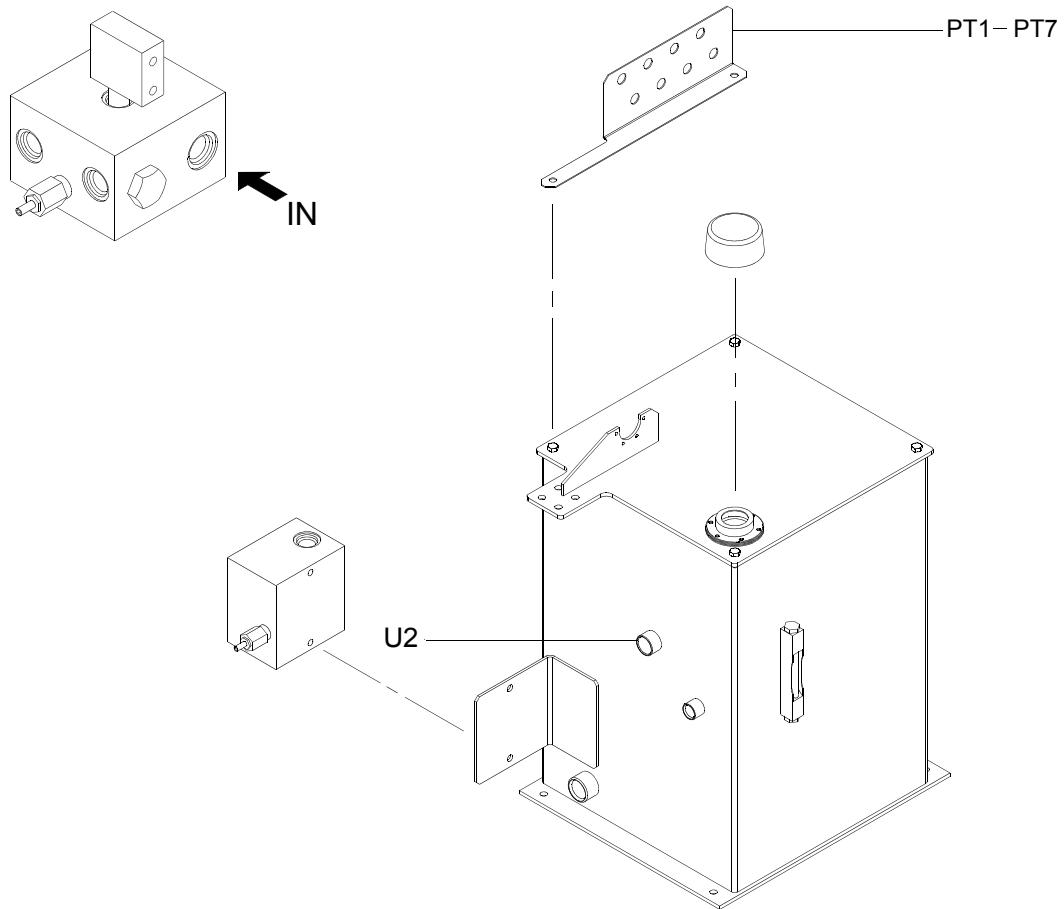


Electrical Components Location



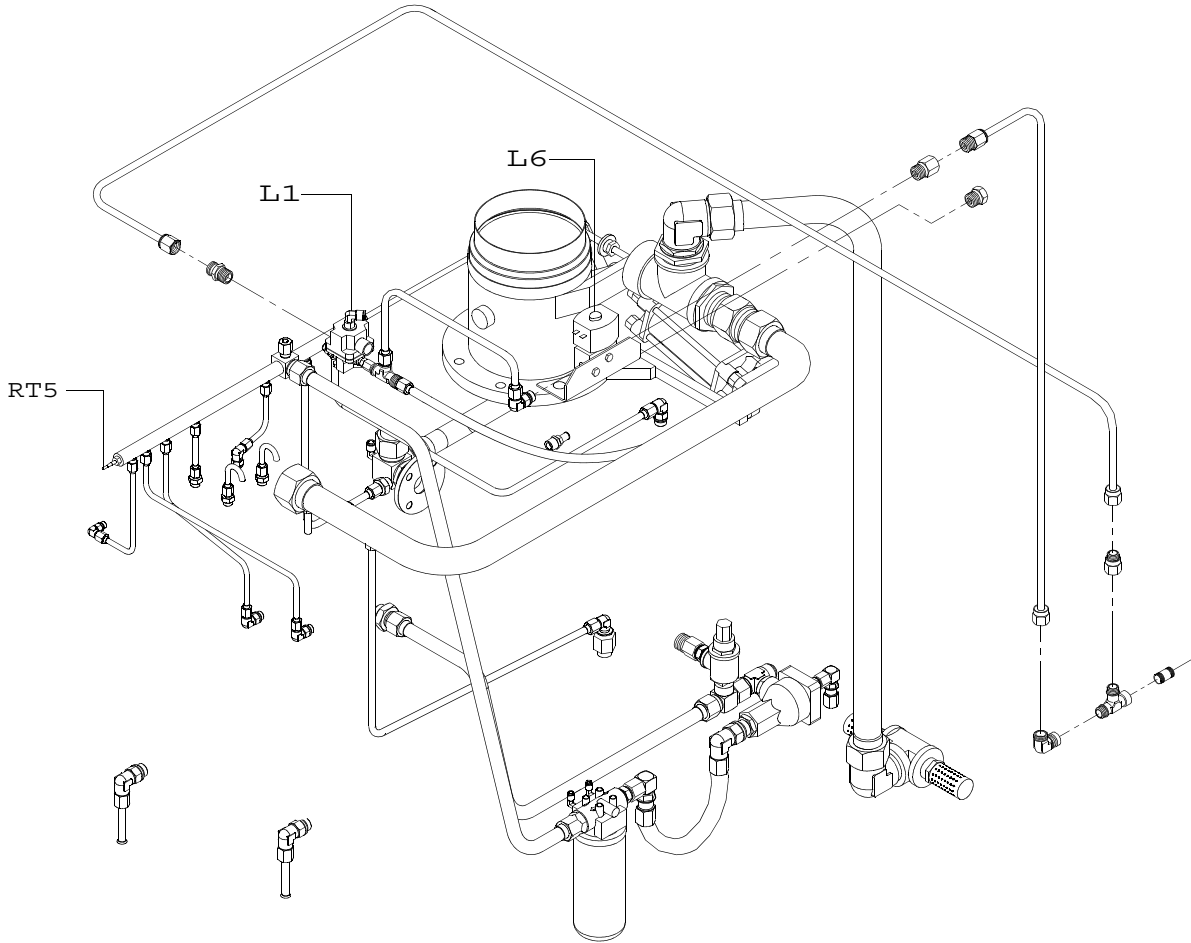
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
| RT8  | 54557087  | Sensor      | 1   |                  |

## Electrical Components Location



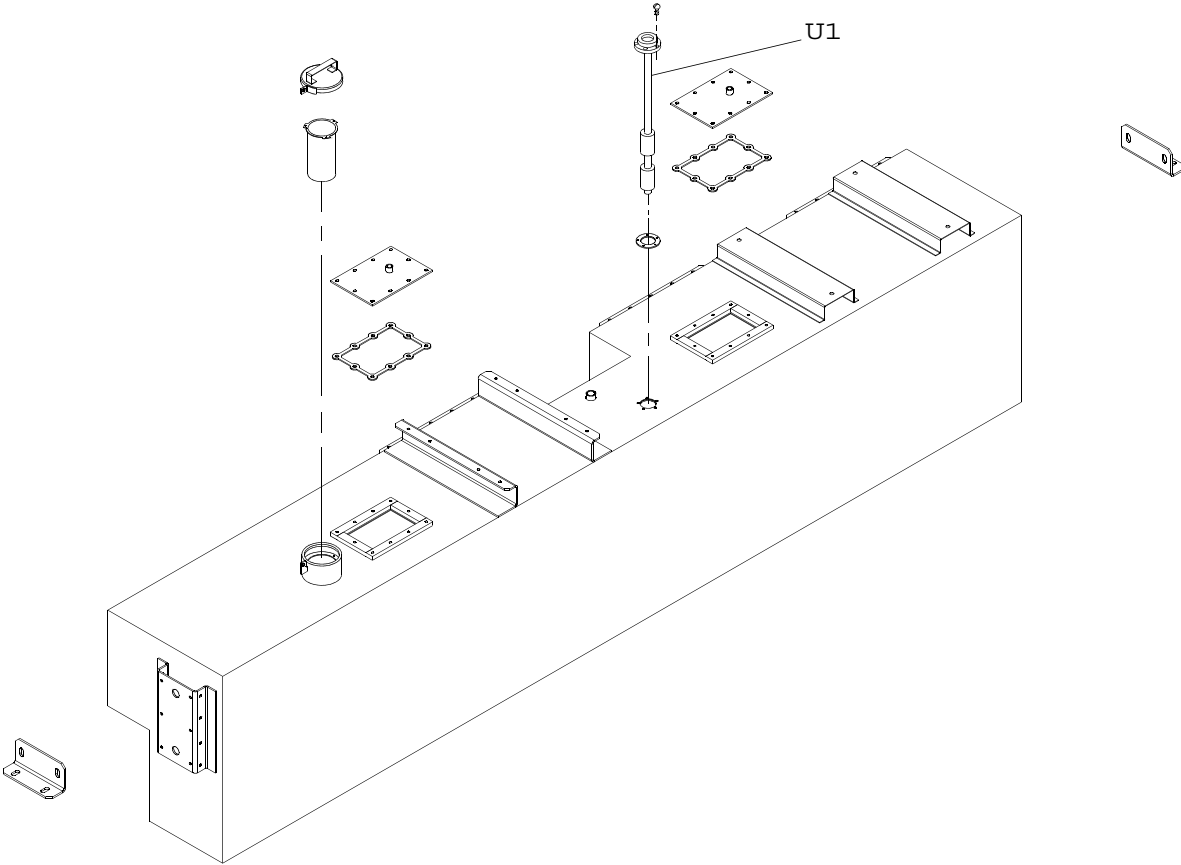
| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------|-----|------------------|
| PT1  | 54757232  | Transducer, 0-30 Vacuum  | 1   |                  |
| PT2  | 36920825  | Transducer, 0-100 Vacuum | 1   |                  |
| PT3  | 54496773  | Transducer, 0-225 Vacuum | 1   |                  |
| PT4  | 54496773  | Transducer, 0-225 Vacuum | 1   |                  |
| PT5  | 36920825  | Transducer, 0-100 Vacuum | 1   |                  |
| PT6  | 36920825  | Transducer, 0-100 Vacuum | 1   |                  |
| PT7  | 54496773  | Transducer, 0-225 Vacuum | 1   |                  |
| U2   | 54581327  | Transducer, Level        | 1   |                  |

Electrical Components Location



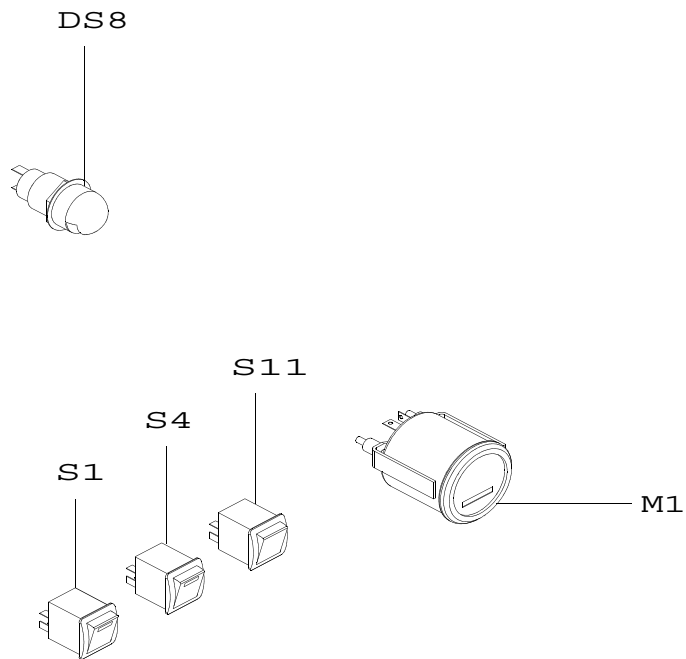
| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| L1   | 54512611  | Valve, Solenoid              | 1   |                  |
| L6   | 54512611  | Valve Solenoid (with Option) | 1   |                  |
| RT5  | 54557087  | Sensor                       | 1   |                  |

Electrical Components Location



| ITEM | COMM. NO. | DESCRIPTION  | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------|-----|------------------|
| U1   | 36876845  | Sender, Fuel | 1   |                  |

## Electrical Components Location



| ITEM | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------|-----|------------------|
| DS8  | 36841252  | Light, Control Panel | 1   |                  |
| M1   | 36841245  | Hourmeter            | 1   |                  |
| S1   | 54475686  | Switch, Rocker       | 1   |                  |
| S4   | 54475686  | Switch, Rocker       | 1   |                  |
| S11  | 54475777  | Switch, Rocker       | 1   |                  |

## Electrical Components Location

AIR END

RT3

RT1

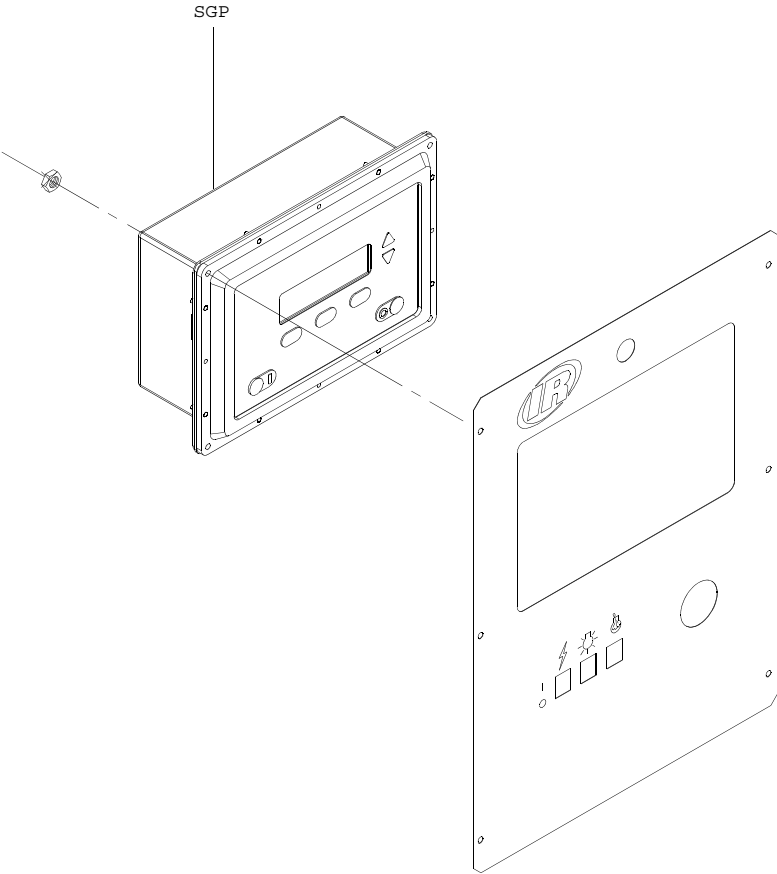
ENGINE

G3

RT7



Electrical Components Location



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
| SGP  | 54441753  | Controller  | 1   |                  |

# Control Panel Located Devices

| ITEM   | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|--------|-----------|------------------------------|-----|------------------|
| S1, S4 | 54475686  | Rocker Switch, Lighted       |     |                  |
| S11    | 54475777  | Rocker Switch, Momentary     |     |                  |
| M1     | 36841245  | Hourmeter                    |     |                  |
|        | 54441753  | SGP Controller               |     |                  |
| DS8    | 36841252  | Panel, Light                 |     |                  |
|        | 35290089  | Panel Light Bulb             |     |                  |
| W2     | 54597497  | Wiring Harness               |     |                  |
|        |           | Engine Diagnostic Panel:     |     |                  |
| S14    | 54615091  | Toggle Switch SPST           |     |                  |
| S15    | 54615109  | Toggle Switch SPST Momentary |     |                  |
| DS1    | 54615067  | Red Lamp Indicator           |     |                  |
| DS2    | 54615083  | Amber Indicator Lamp         |     |                  |
| DS3    | 54615075  | Blue Indicator Lamp          |     |                  |

# Enclosure Located Devices

| ITEM                     | COMM. NO.                        | DESCRIPTION                                | QTY | DIMENSIONS/NOTES |
|--------------------------|----------------------------------|--------------------------------------------|-----|------------------|
| DS4, DS5<br>S2,S6<br>LS1 | 54477286<br>54494778<br>36785145 | Strobe Light<br>Estop Button<br>Alarm Horn |     |                  |

## Hydraulic Tank Located Devices

| ITEM | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------|-----|------------------|
| PT1  | 54496757  | HG Vacuum Transducer |     | 0-30 Inch.       |
| PT2  | 36920825  | Pressure Transducer  |     | 0-100 PSIG       |
| PT3  | 54496773  | Pressure Transducer  |     | 0-225 PSIG       |
| PT4  | 54496773  | Pressure Transducer  |     | 0-225 PSIG       |
| PT5  | 36920825  | Pressure Transducer  |     | 0-100 PSIG       |
| PT6  | 36920825  | Pressure Transducer  |     | 0-100 PSIG       |
| PT7  | 54496773  | Pressure Transducer  |     | 0-225 PSIG       |
| U2   | 54581327  | Level Transducer     |     |                  |

Engine Located Devices

| ITEM | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------|-----|------------------|
| RT7  | 54557987  | RTD                  |     | 100 OHM          |
|      | 35293075  | Starter Ground Strap |     |                  |
| G3   | 36785319  | Magnetic Pickup      |     |                  |

# Radiator Located Devices

| ITEM | COMM. NO. | DESCRIPTION                                                    | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------------------------------------|-----|------------------|
| U3   | 54474572  | Coolant Level Switch                                           |     |                  |
|      |           | <b><i>**Always use Ingersoll Rand Replacement parts!**</i></b> |     |                  |

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
|      |           |             |     |                  |

# Air End Located Devices

| ITEM   | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES |
|--------|-----------|----------------------|-----|------------------|
| L1, L6 | 54512611  | Inlet Solenoid       |     |                  |
| L2, L3 | 36842318  | Condensate Solenoids |     |                  |
| RT1    | 54557087  | RTD                  |     | 100 OHM          |
| RT2    | 54557087  | RTD                  |     | 100 OHM          |
| RT3    | 54557087  | RTD                  |     | 100 OHM          |
| RT4    | 54557087  | RTD                  |     | 100 OHM          |
| RT5    | 54557095  | Thermister           |     | 10K OHM          |
| RT6    | 54557095  | Thermister           |     | 10K OHM          |



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
|      |           |             |     |                  |

# Cooler Located Devices

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
| RT8  | 54557087  | RTD         |     | 100 OHM          |

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|------------------|
|      |           |             |     |                  |

# Frame Located Devices

| ITEM         | COMM. NO. | DESCRIPTION                                   | QTY | DIMENSIONS/NOTES |
|--------------|-----------|-----------------------------------------------|-----|------------------|
| S8           | 36896975  | Battery Disconnect Switch                     |     |                  |
|              | 35128982  | Battery Jumper Cable                          |     |                  |
|              | 54658331  | Positive Battery Cable                        |     |                  |
|              | 54511282  | Positive Battery Jumper Cable                 |     |                  |
|              | 54658323  | Negative Battery Cable                        |     |                  |
|              | 54511241  | Frame Ground Strap                            |     |                  |
| U1           | 36842011  | Fuel Level Sender                             |     |                  |
| D1-D6        | 35376169  | Diode                                         |     |                  |
| W1           | 22079180  | Chassis Harness                               |     |                  |
|              |           | Power Distribution Box:                       |     |                  |
|              | 54631312  | Power Distribution Box (Includes W-3 Harness) |     |                  |
| D1           | 35376169  | Diode                                         |     |                  |
| K1           | 35577873  | Auxiliary Start Relay                         |     |                  |
| K2           | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K3           | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K4           | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K5           | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| F1,F2,<br>F3 | 22071591  | Fuse, 10amp                                   |     |                  |
| F4           | 36793651  | Fuse 25amp                                    |     |                  |
| F5,F6,<br>F7 | 22071575  | Fuse 15amp                                    |     |                  |

# Frame Located Devices

| ITEM  | COMM. NO. | DESCRIPTION                                   | QTY | DIMENSIONS/NOTES |
|-------|-----------|-----------------------------------------------|-----|------------------|
| S8    | 36896975  | Battery Disconnect Switch                     |     |                  |
|       | 35128982  | Battery Jumper Cable                          |     |                  |
|       | 54658331  | Positive Battery Cable                        |     |                  |
|       | 54511282  | Positive Battery Jumper Cable                 |     |                  |
|       | 54658323  | Negative Battery Cable                        |     |                  |
|       | 54511241  | Frame Ground Strap                            |     |                  |
| U1    | 36842011  | Fuel Level Sender                             |     |                  |
| D1-D6 | 35376169  | Diode                                         |     |                  |
| W1    | 22079180  | Chassis Harness                               |     |                  |
|       |           | Power Distribution Box:                       |     |                  |
|       | 54631312  | Power Distribution Box (Includes W-3 Harness) |     |                  |
| D1    | 35376169  | Diode                                         |     |                  |
| K1    | 35577873  | Auxiliary Start Relay                         |     |                  |
| K2    | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K3    | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K4    | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K5    | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |

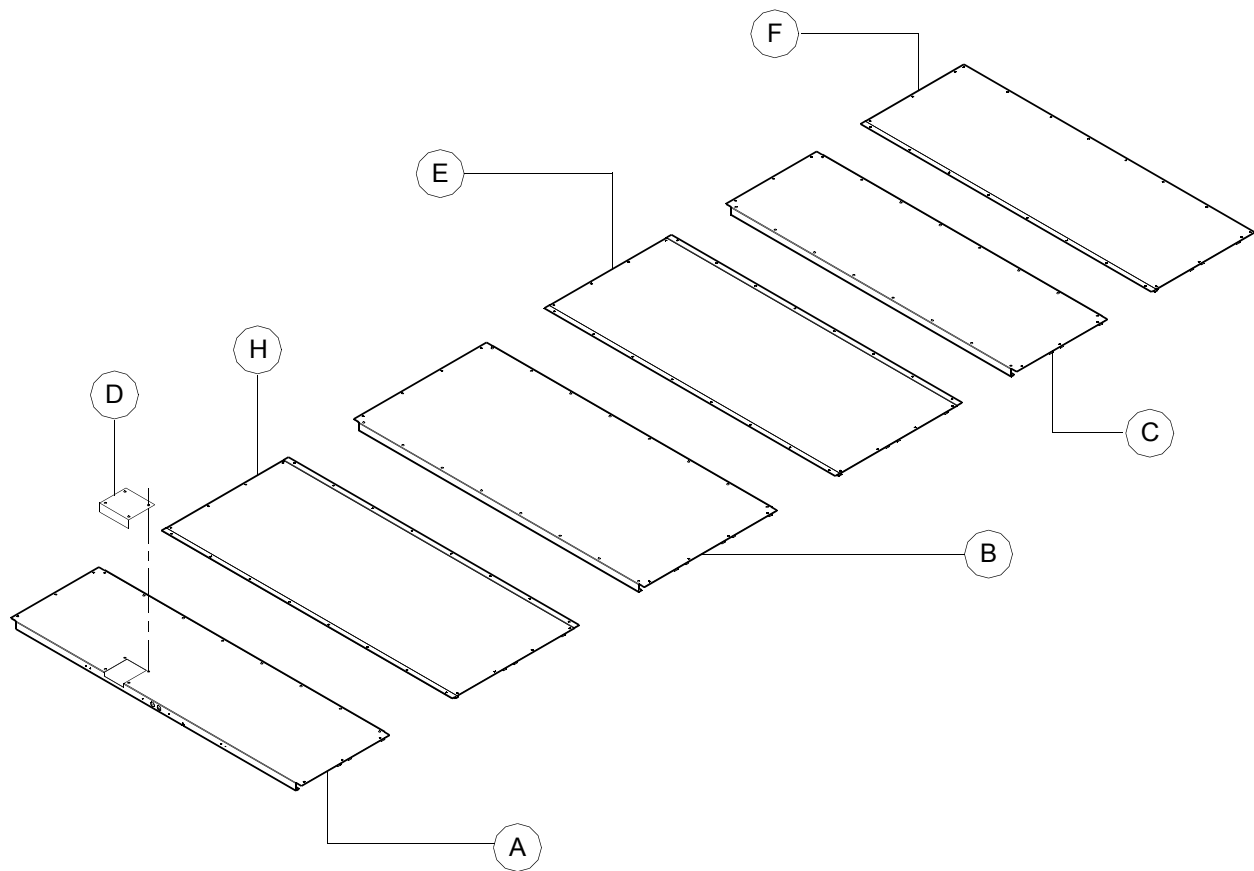
# Frame Located Devices

| ITEM     | COMM. NO. | DESCRIPTION                                   | QTY | DIMENSIONS/NOTES |
|----------|-----------|-----------------------------------------------|-----|------------------|
| S8       | 36896975  | Battery Disconnect Switch                     |     |                  |
|          | 35128982  | Battery Jumper Cable                          |     |                  |
|          | 54658331  | Positive Battery Cable                        |     |                  |
|          | 54511282  | Positive Battery Jumper Cable                 |     |                  |
|          | 54658323  | Negative Battery Cable                        |     |                  |
|          | 54511241  | Frame Ground Strap                            |     |                  |
| U1       | 36842011  | Fuel Level Sender                             |     |                  |
| D1-D6    | 35376169  | Diode                                         |     |                  |
| W1       | 54631791  | Chassis Harness                               |     |                  |
| W4       | 54631809  | Alarm Harness                                 |     |                  |
|          |           | Power Distribution Box:                       |     |                  |
|          | 54631312  | Power Distribution Box (Includes W-3 Harness) |     |                  |
| D1       | 35376169  | Diode                                         |     |                  |
| F1,F2,F3 | 22071519  | 10 AMP                                        |     |                  |
| F4       | 36793651  | 25 AMP                                        |     |                  |
| F5,F6,F7 | 22071517  | 15 AMP                                        |     |                  |
| K1       | 35577873  | Auxillary Start Relay                         |     |                  |
| K2       | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K3       | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K4       | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K5       | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |

# Frame Located Devices

| ITEM       | COMM. NO. | DESCRIPTION                                   | QTY | DIMENSIONS/NOTES |
|------------|-----------|-----------------------------------------------|-----|------------------|
| S8         | 36896975  | Battery Disconnect Switch                     |     |                  |
|            | 35128982  | Battery Jumper Cable                          |     |                  |
|            | 54658331  | Positive Battery Cable                        |     |                  |
|            | 54511282  | Positive Battery Jumper Cable                 |     |                  |
|            | 54658323  | Negative Battery Cable                        |     |                  |
|            | 54511241  | Frame Ground Strap                            |     |                  |
| U1         | 36842011  | Fuel Level Sender                             |     |                  |
| D1 - D6    | 35376169  | Diode                                         |     |                  |
| W1         | 22079180  | Chassis Harness                               |     |                  |
|            |           | Power Distribution Box:                       |     |                  |
|            | 54631312  | Power Distribution Box (Includes W-3 Harness) |     |                  |
| D1         | 35376169  | Diode                                         |     |                  |
| F1,F2,F3   | 22071591  | 10 AMP                                        |     |                  |
| F4         | 36793651  | 25 AMP                                        |     |                  |
| F5, F6, F7 | 22071575  | 15 AMP                                        |     |                  |
| K1         | 35577873  | Auxillary Start Delay                         |     |                  |
| K2         | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K3         | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K4         | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |
| K5         | 36892362  | Relay, SPDT                                   |     | 24 Volt DC       |

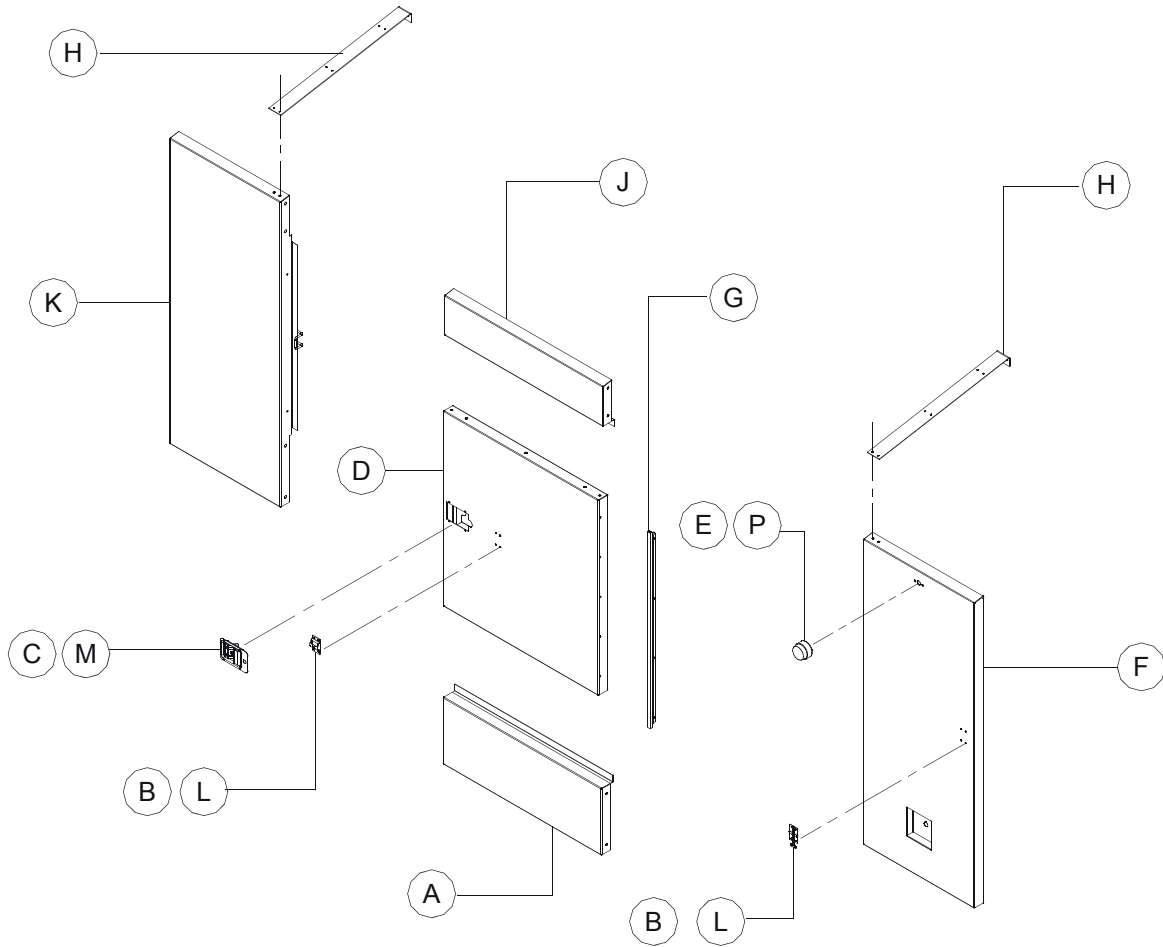
## Enclosure Top Panels



| ITEM | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------|-----|------------------|
| A    | 36924231  | Panel, Front Top     | 1   | As Required      |
| B    | 36924223  | Panel, 3rd Top       | 1   |                  |
| C    | 36924207  | Panel, 5th Top       | 1   |                  |
| D    | 35924256  | Cover, Radiator Fill | 1   |                  |
| E    | 36924215  | Panel, 4th Top       | 1   |                  |
| F    | 36924199  | Panel, Rear Top      | 1   |                  |
| G    | 36889608  | Screw, Top Panel     |     |                  |
| H    | 22892517  | Panel, 2nd Top       | 1   |                  |

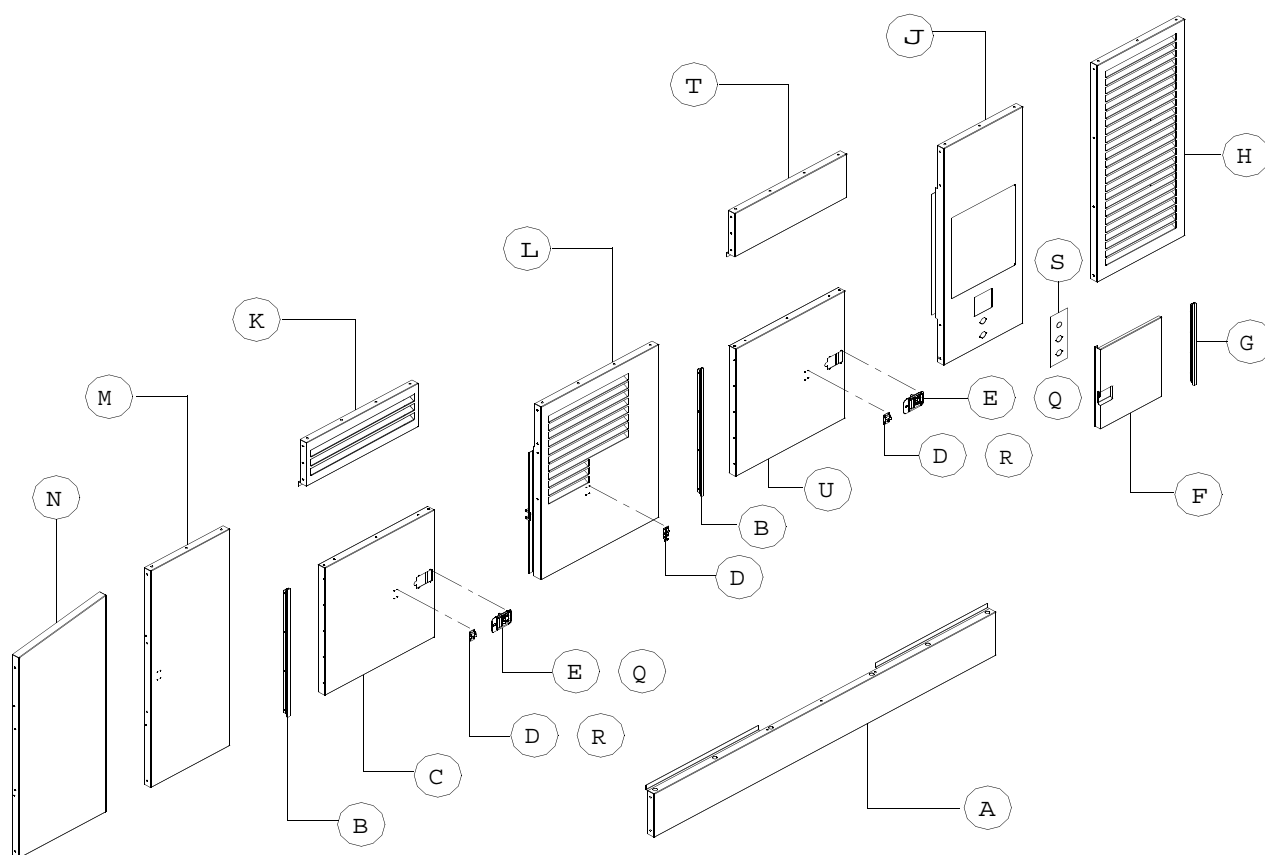


## Enclosure Front Panels



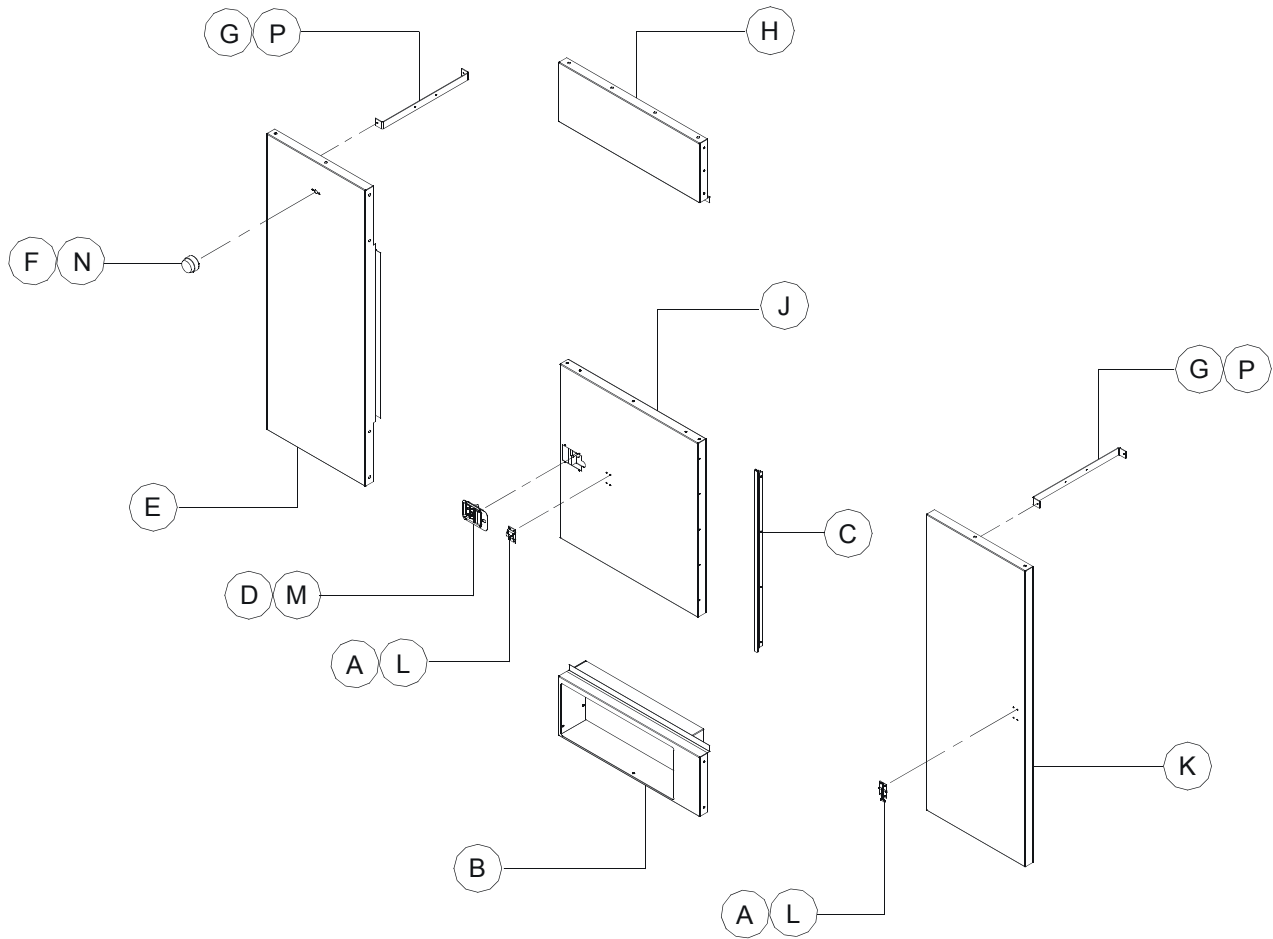
| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------|-----|------------------|
| A    | 36924249  | Panel, Front Bottom      | 1   |                  |
| B    | 54485404  | Latch, Tee               | 1   |                  |
| C    | 36793602  | Latch, Slam              | 1   |                  |
| D    | 54483722  | Door, Front              | 1   |                  |
| E    | 54477286  | Light, Amber Warning     | 1   |                  |
| F    | 36924017  | Panel, Street Side Front | 1   |                  |
| G    | 54373113  | Hinge, Door              | 1   |                  |
| H    | 54461736  | Strap, Support           | 2   |                  |
| J    | 36924066  | Panel, Front Top         | 1   |                  |
| K    | 36924009  | Panel, Curb Side Front   | 1   |                  |
| L    | 36843282  | Rivet                    | 8   |                  |
| M    | 36794816  | Rivet                    | 4   |                  |
| N    | 35279025  | Screw                    | *   |                  |
| P    | 96702055  | Screw                    | 4   |                  |

## Enclosure Side Panels



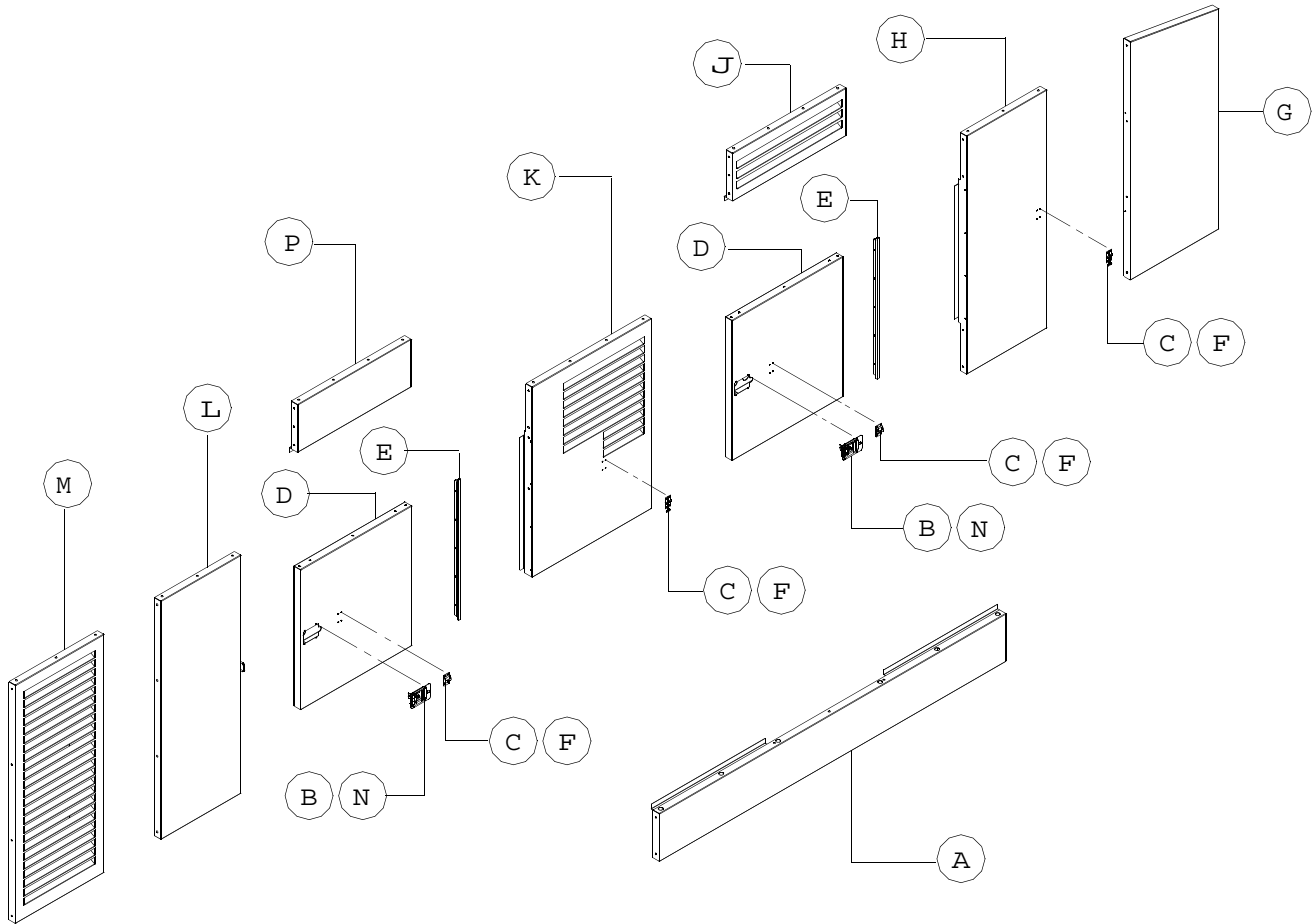
| ITEM | COMM. NO. | DESCRIPTION                           | QTY | DIMENSIONS/NOTES                         |
|------|-----------|---------------------------------------|-----|------------------------------------------|
| A    | 36924280  | Panel, Bottom Center                  | 1   | 120 Volt / 60 Hz<br><br>240 Volt / 50 Hz |
| B    | 54373113  | Hinge, Door                           | 1   |                                          |
| C    | 54483722  | Door, Street Side                     | 1   |                                          |
| D    | 54485404  | Latch, Tee                            | 1   |                                          |
| E    | 36793602  | Latch, Slam                           | 1   |                                          |
| F    | 54621560  | Door, Control Panel                   | 1   |                                          |
| G    | 54623889  | Hinge, Door                           | 1   |                                          |
| H    | 36924074  | Panel, Rear Grill                     | 1   |                                          |
| J    | 54737820  | Panel, Control Door                   | 1   |                                          |
| K    | 22892665  | Vent, CAC Air Inlet                   | 1   |                                          |
| L    | 54656194  | Panel, Center Grill                   | 1   |                                          |
| M    | 36924140  | Panel, Second Front                   | 1   |                                          |
| N    | 36924165  | Panel, Front Side                     | 1   |                                          |
| P    | 35279025  | Screw                                 | *   |                                          |
| Q    | 36794816  | Rivet                                 | 8   |                                          |
| R    | 36843282  | Rivet                                 | 12  |                                          |
| S    | 54737838  | Plate, Receptacle                     | 1   |                                          |
| T    | 36924058  | Panel, Top Door                       | 1   |                                          |
| U    | 22566715  | Door, Literature Pouch                | 1   |                                          |
|      | 54737846  | Plate, Receptacle                     | 1   |                                          |
|      | 39249875  | Seal, Door (Around Edge of Each Door) | *   |                                          |

## Enclosure Rear Panels



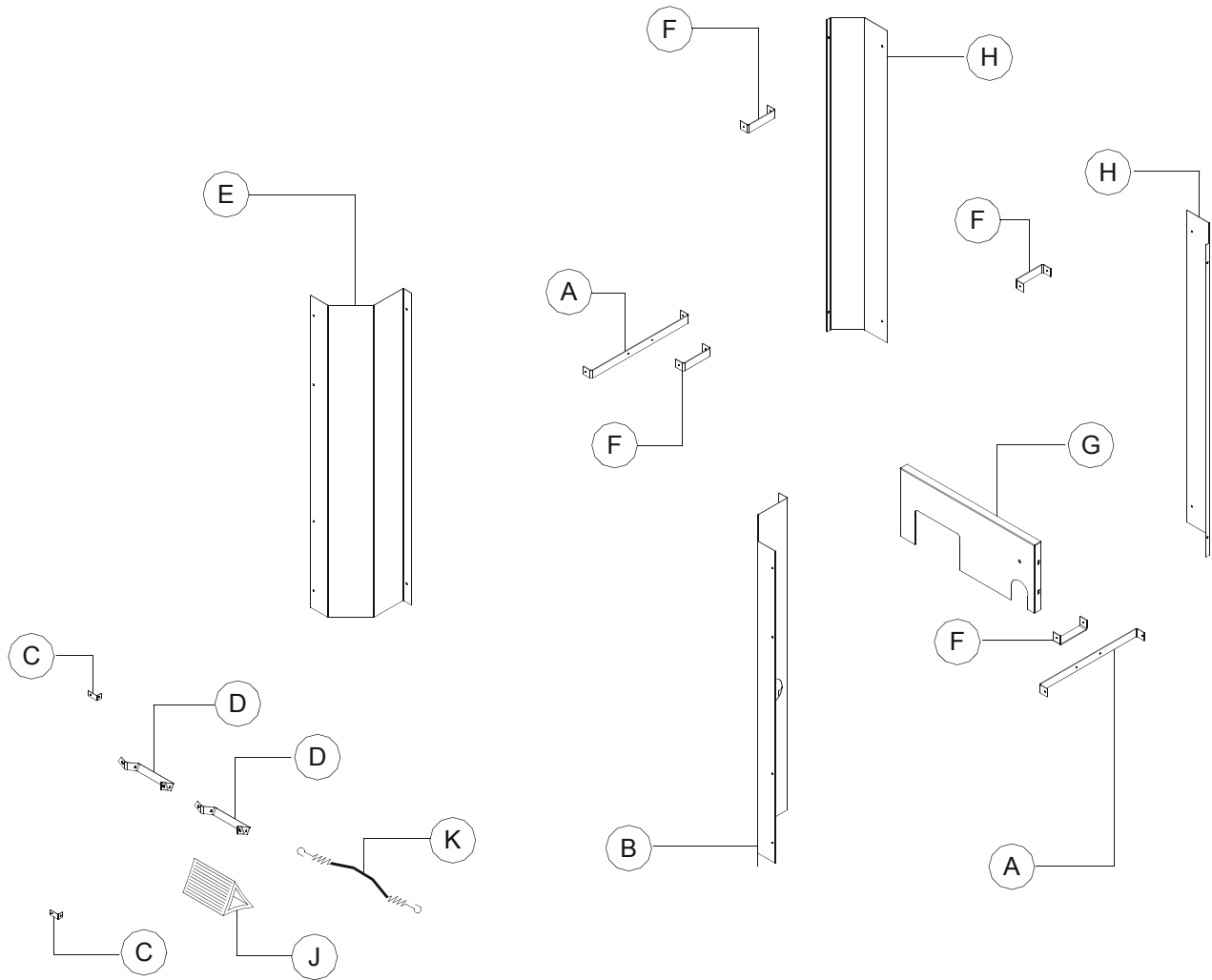
| ITEM | COMM. NO. | DESCRIPTION             | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------|-----|------------------|
| A    | 54485404  | Latch, Tee              | 1   |                  |
| B    | 22620678  | Panel, Service Access   | 1   |                  |
| C    | 54373113  | Hinge, Door             | 1   |                  |
| D    | 36793602  | Latch, Slam             | 1   |                  |
| E    | 22620637  | Panel, Street Side Rear | 1   |                  |
| F    | 54477286  | Light, Amber Warning    | 1   |                  |
| G    | 54430855  | Strap, Rear Support     | 1   |                  |
| H    | 22620652  | Panel, Rear Middle Top  | 1   |                  |
| J    | 54483722  | Door, Rear              | 1   |                  |
| K    | 22620645  | Panel, Curb Side Rear   | 1   |                  |
| L    | 36843282  | Rivet                   | 8   |                  |
| M    | 36794816  | Rivet                   | 4   |                  |
| N    | 96702055  | Screw                   | 2   |                  |
| P    | 36797652  | Screw                   | 4   |                  |
| Q    | 35279025  | Screw                   | *   |                  |

## Enclosure Side Panels



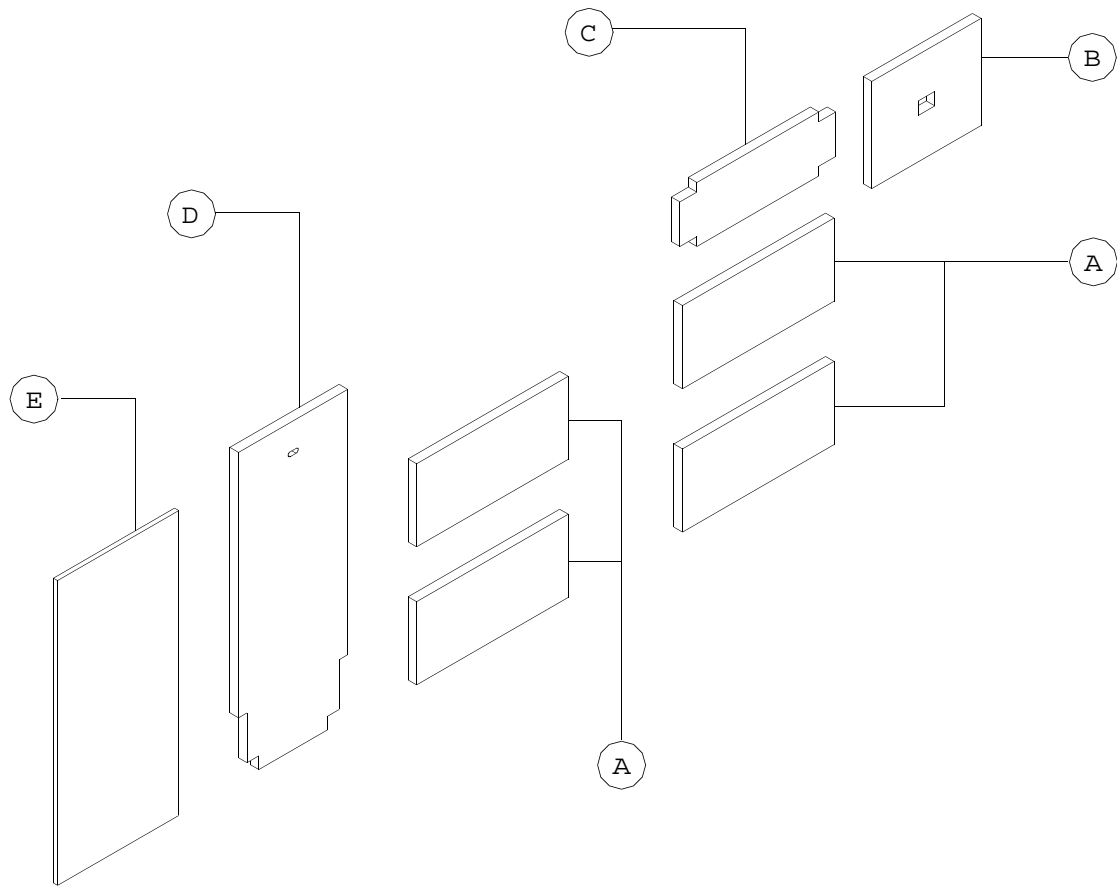
| ITEM | COMM. NO. | DESCRIPTION             | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------|-----|------------------|
| A    | 36924280  | Panel, Bottom Center    | 1   |                  |
| B    | 36793602  | Latch, Slam             | 1   |                  |
| C    | 54485404  | Latch, Tee              | 1   |                  |
| D    | 54483722  | Door, Side              | 2   |                  |
| E    | 54373113  | Hinge, Door             | 1   |                  |
| F    | 36843282  | Rivet                   | 12  |                  |
| G    | 36924157  | Panel, Curb Side Front  | 1   |                  |
| H    | 36924132  | Panel, Curb Side Second | 1   |                  |
| J    | 22895452  | Vent, CAC Air Inlet     | 1   |                  |
| K    | 54656202  | Panel, Center Grill     | 1   |                  |
| L    | 36924090  | Panel, Rear Side        | 1   |                  |
| M    | 36924074  | Panel, Rear Grill       | 1   |                  |
| N    | 36794816  | Rivet                   | 8   |                  |
| P    | 36924058  | Panel, Top Door         | 1   |                  |

## Enclosure Internal Panels



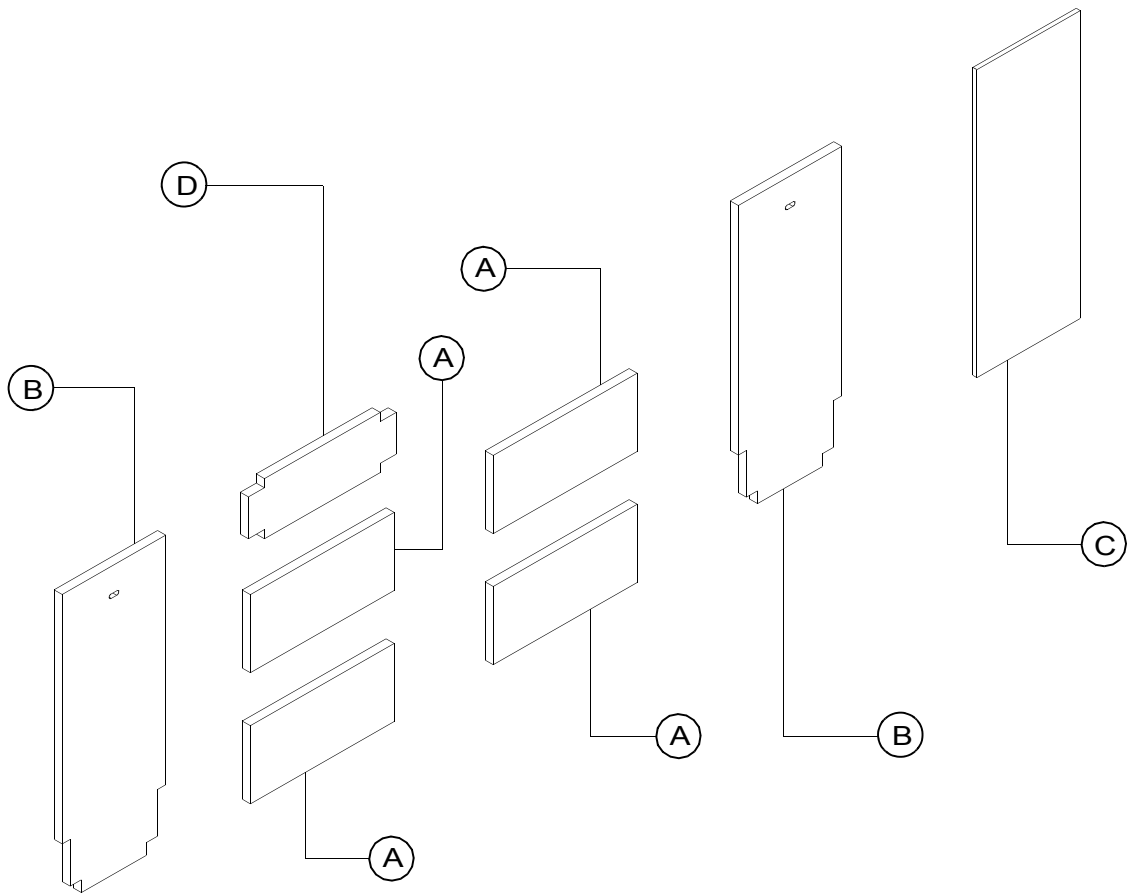
| ITEM | COMM. NO. | DESCRIPTION                | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------|-----|------------------|
| A    | 54430855  | Bracket, Support           | 1   |                  |
| B    | 54656228  | Baffle, Street Side Intake | 1   |                  |
| C    | 54656269  | Strap, Front Foam          | 1   |                  |
| D    | 35603661  | Bracket, Wheel Chock       | 1   |                  |
| E    | 54656210  | Baffle, Curb Side Intake   | 1   |                  |
| F    | 54656244  | Support, Intake            | 1   |                  |
| G    | 54690771  | Cover, Intake              | 1   |                  |
| H    | 54656236  | Baffle, Rear Intake        | 1   |                  |
| J    | 35603190  | Chock, Wheel               | 2   |                  |
| K    | 35333830  | Strap, Wheel Chock         | 2   |                  |

Side Foam



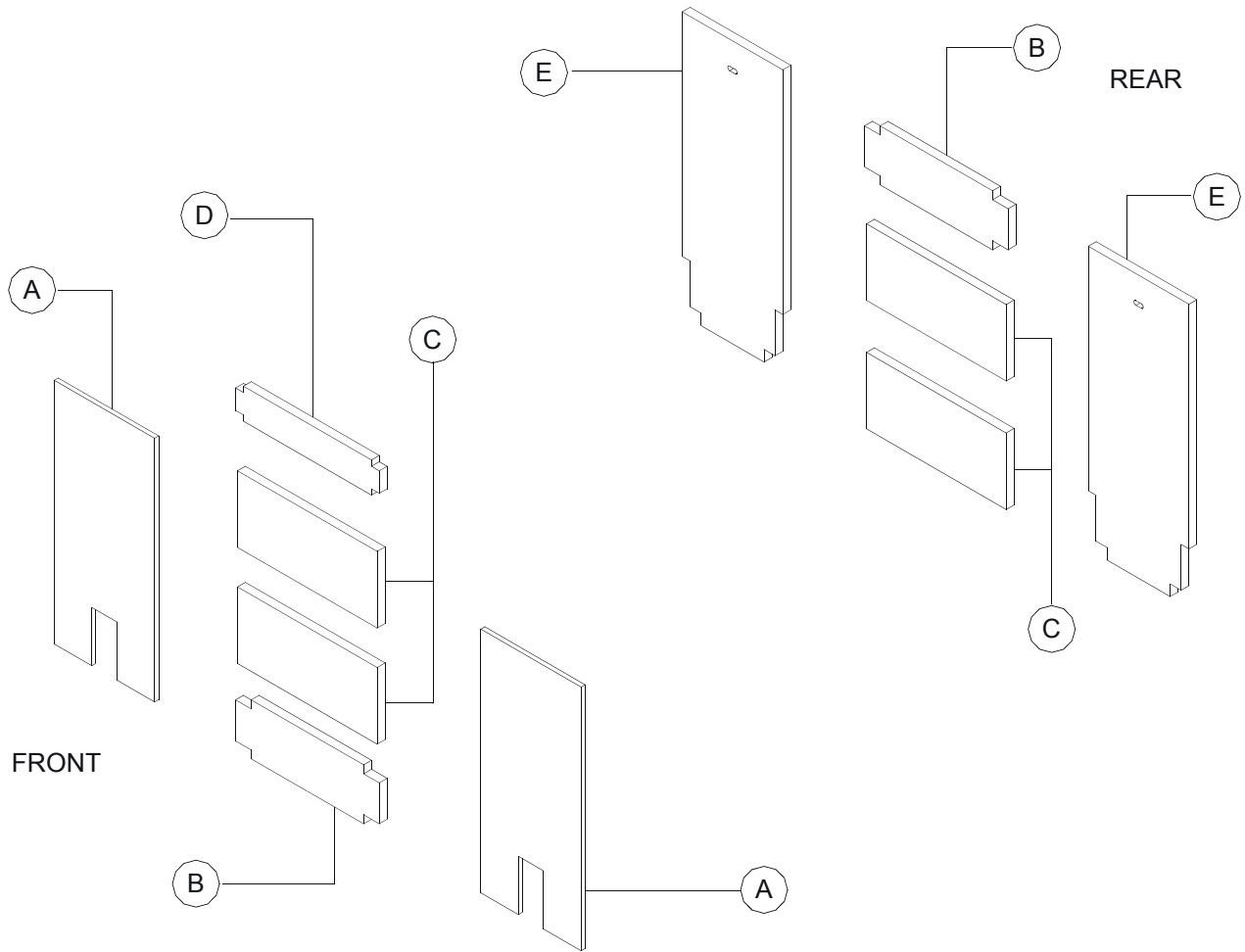
| ITEM | COMM. NO. | DESCRIPTION               | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------|-----|------------------|
| A    | 54659107  | Foam, Door                | 1   |                  |
| B    | 54659131  | Foam, Above Control Panel | 1   |                  |
| C    | 54659099  | Foam, Above Door          | 1   |                  |
| D    | 54659040  | Foam, Second Panel        | 1   |                  |
| E    | 54652425  | Fiberglass, Front Panel   | 1   |                  |

Side Foam



| ITEM | COMM. NO. | DESCRIPTION             | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------|-----|------------------|
| A    | 54659107  | Foam, Door              | 1   |                  |
| B    | 54659040  | Foam, Side              | 1   |                  |
| C    | 54652425  | Fiberglass, Front Panel | 1   |                  |
| D    | 54659099  | Foam, Above Door        | 1   |                  |

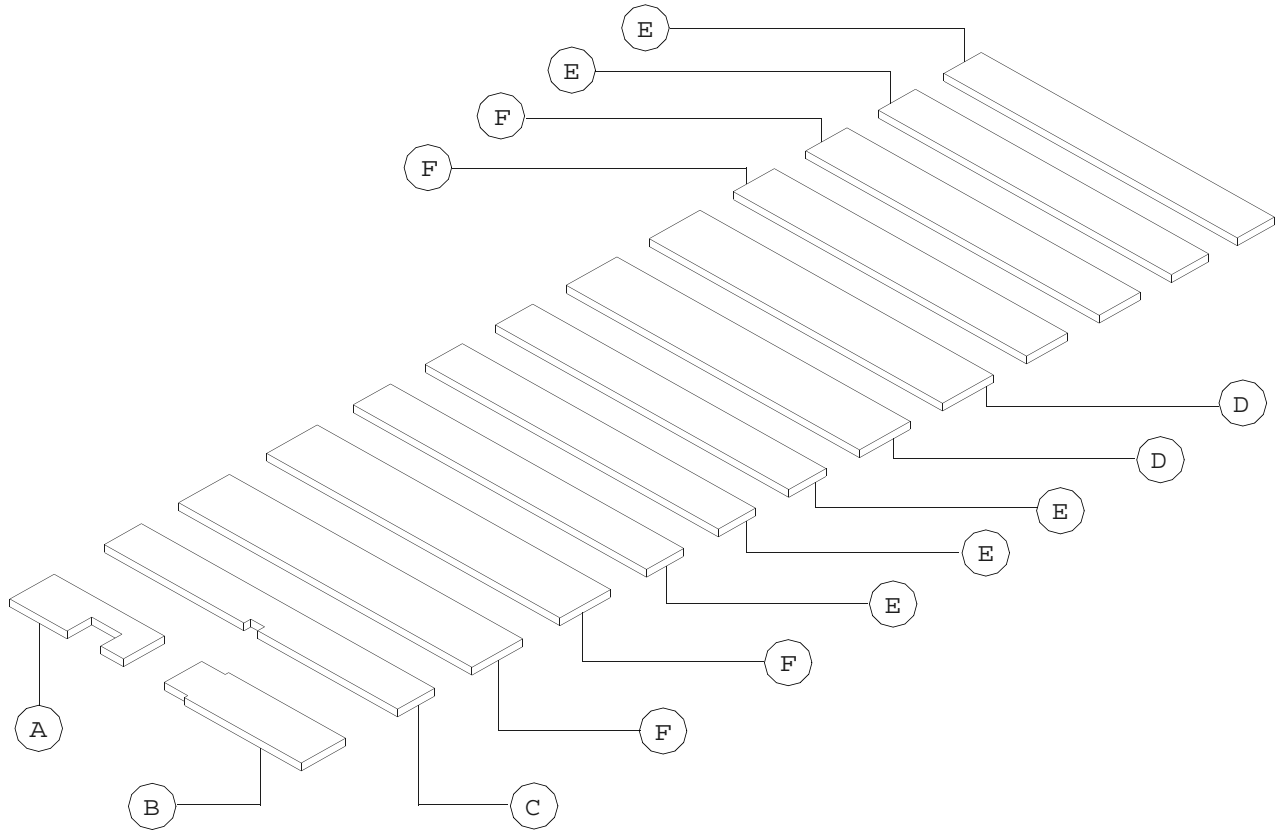
## Front and Rear Foam



| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------|-----|------------------|
| A    | 54652417  | Fiberglass, Front Side   | 1   |                  |
| B    | 54659099  | Foam Bottom and Top Door | 1   |                  |
| C    | 54659107  | Foam, Center Door        | 1   |                  |
| D    | 54659115  | Foam, Over Door          | 1   |                  |
| E    | 54659040  | Foam, Rear Side          | 1   |                  |

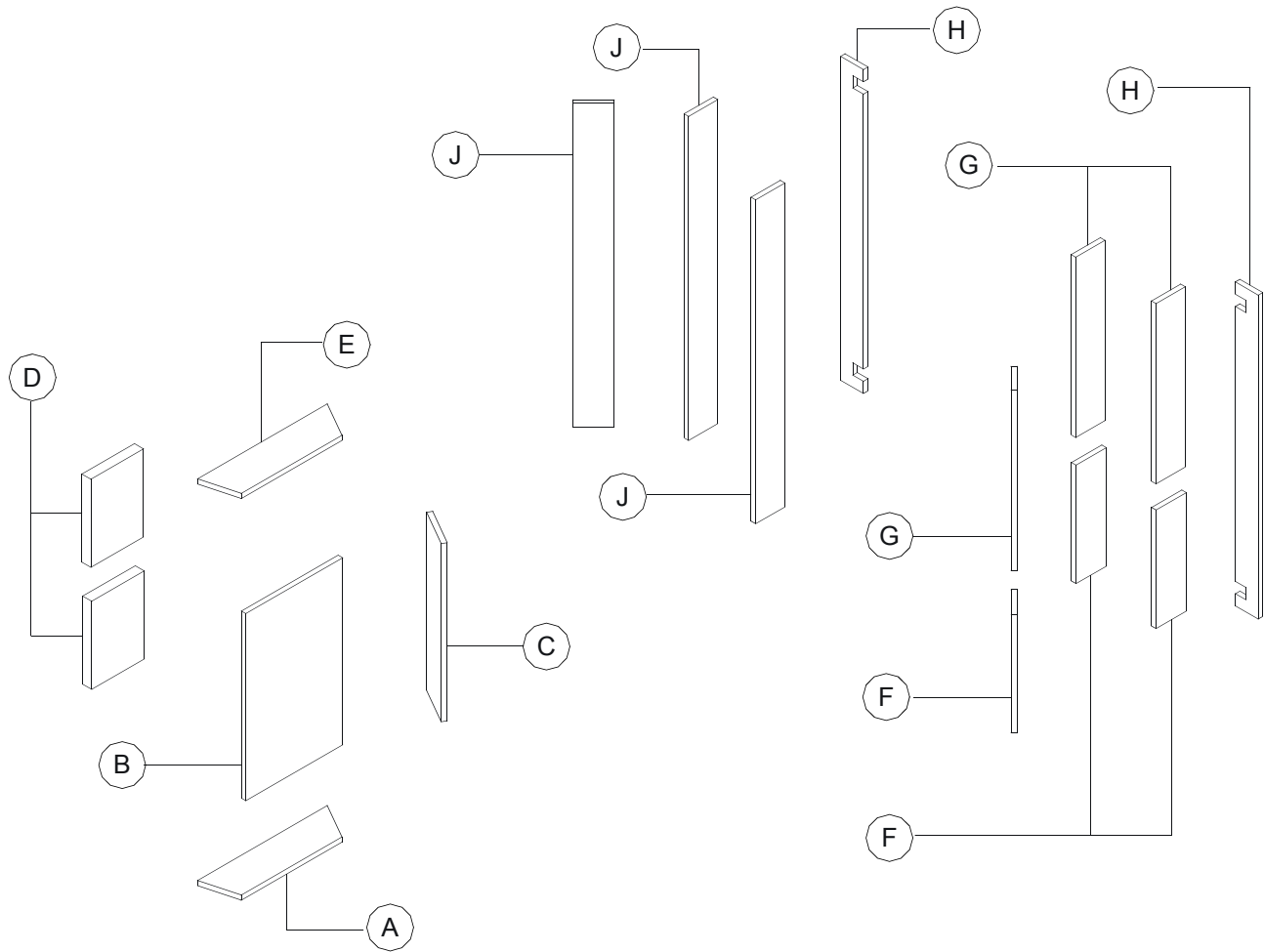


Top Foam



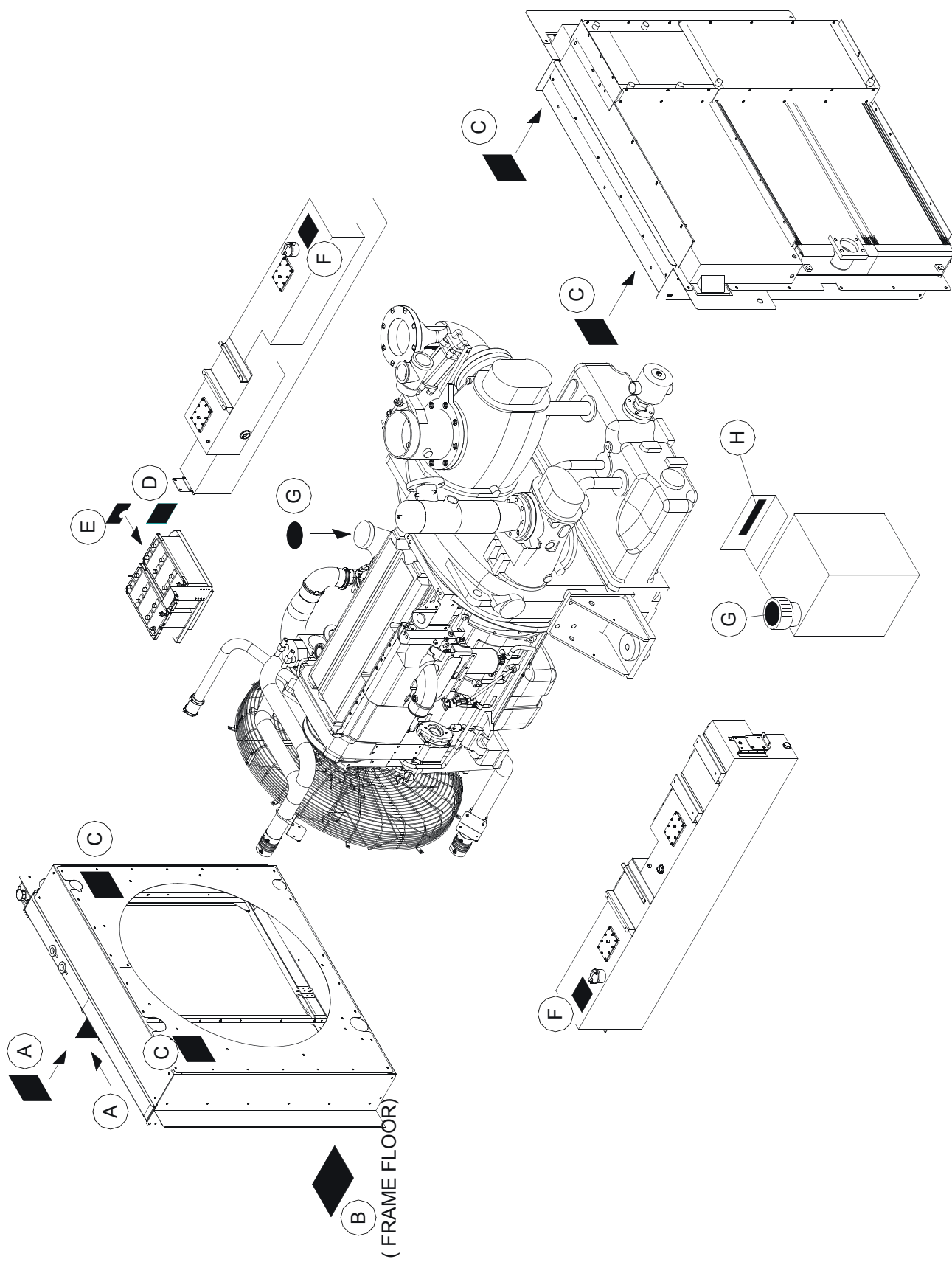
| ITEM | COMM. NO. | DESCRIPTION                            | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------------|-----|------------------|
| A    | 54659057  | Foam, Curb Side Top                    | 1   |                  |
| B    | 54672274  | Foam Street Side Top                   | 1   |                  |
| C    | 54672282  | Foam, First Top                        | 1   |                  |
| D    | 54659081  | Foam, 7th and 8th Top                  | 1   |                  |
| E    | 54659073  | Foam, 4th, 5th, 6th, 11th and 12th Top | 1   |                  |
| F    | 54659123  | Foam, 2nd, 3rd, 9th and 10th Top       | 1   |                  |

## Inside Baffle Foam



| ITEM | COMM. NO. | DESCRIPTION            | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------|-----|------------------|
| A    | 54659206  | Foam, Bottom Intake    | 1   |                  |
| B    | 54659198  | Foam, Back Intake      | 1   |                  |
| C    | 54659032  | Foam, Side Intake      | 1   |                  |
| D    | 54659180  | Foam, Inside Intake    | 1   |                  |
| E    | 54659214  | Foam, Top Intake       | 1   |                  |
| F    | 54659164  | Foam, Bottom Baffle    | 1   |                  |
| G    | 54659156  | Foam, Top Baffle       | 1   |                  |
| H    | 54659172  | Foam, Rear Baffle      | 1   |                  |
| J    | 54659149  | Foam, Curb Side Baffle | 1   |                  |

Safety Decal Location



# Decal Location

| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A    | 54604962  | Coolant Fill Decal          | 2   | G                |
| B    | 54568761  | Hot Pressurized Fluid Decal |     | E                |
| C    | 54568779  | Rotating Fan Decal          | 4   | B                |
| D    | 54568753  | Combustible Gas Decal       | *   | C                |
| E    | 54642327  | Battery Disconnect Decal    |     | 54642327         |
| F    | 54625207  | Diesel Fuel Decal           | 2   | H                |
| G    | 54604970  | Oil Fill Plug Decal         | 2   | 54604970         |
| H    | 54686852  | Transducer Location Decal   | *   | 54686852         |

[illegible]

# Decal Location

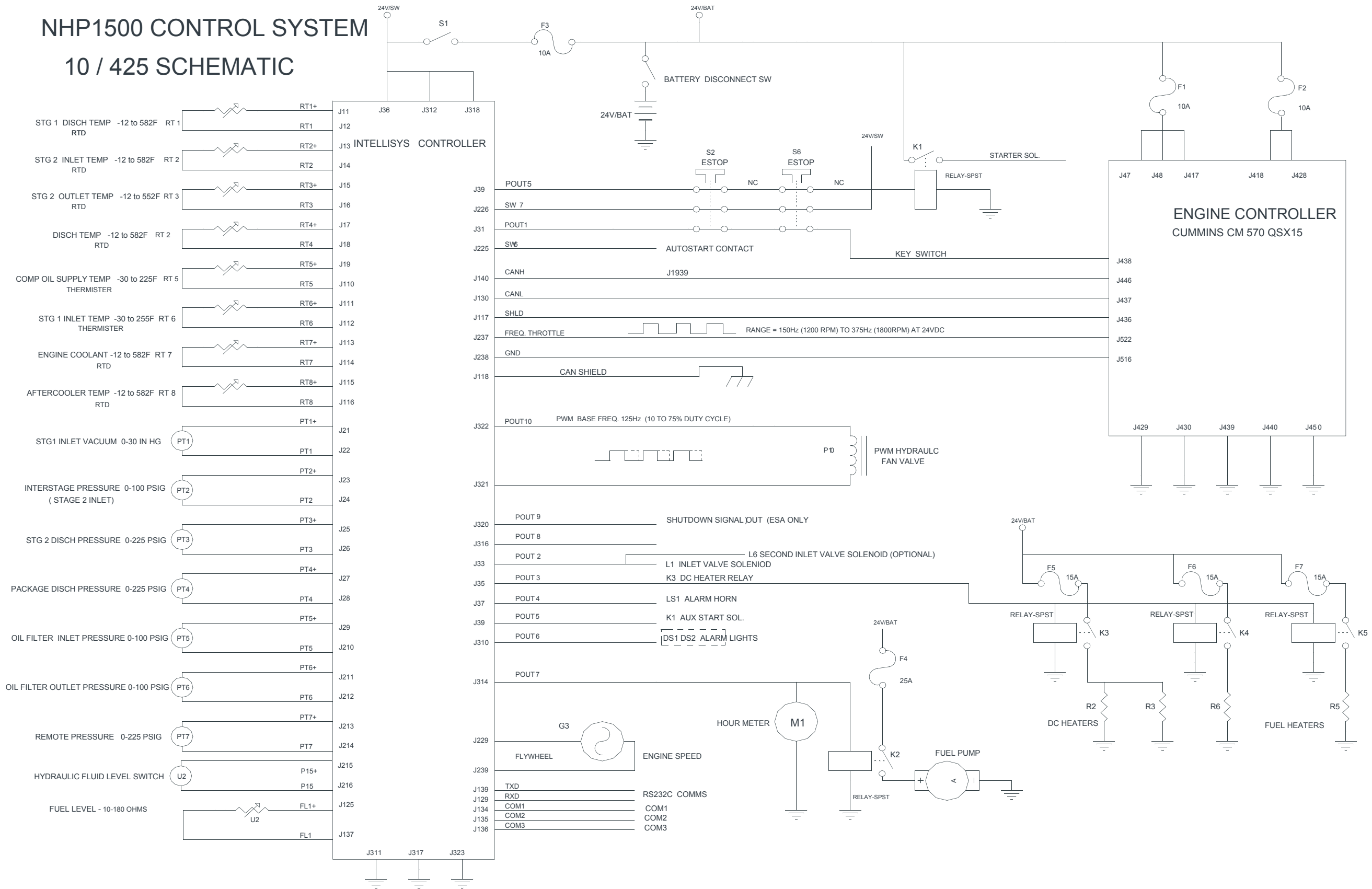
| ITEM | COMM. NO. | DESCRIPTION                           | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------------|-----|------------------|
| A    | 54604988  | Door Under Pressure Decal             | *   | D                |
| B    | 54568787  | No Unauthorized Modifications Decal   | *   | N/A              |
| C    | 54568761  | Hot Pressurized Fluid Decal           | *   | E                |
| D    | 54652532  | Operating Instructions Decal          | *   | 54652532         |
| E    | 54629944  | 3-Part Danger / Warning Decal         | *   | J                |
| F    | 54699400  | Lift Point Decal                      | 4   | A                |
| G    | 54699392  | Towing Speed Decal                    | *   | K                |
| H    | 54629977  | Central Drain Decal                   | *   | 54629977         |
| J    | 54672324  | Chevron Decal                         | 2   | 54672332         |
| K    | 54638333  | IR Swoosh Decal                       | 2   | 54638333         |
| L    | 54630181  | Oil Free Air Decal                    | 3   | N/A              |
| M    | 54749205  | No Weld Decal                         | 4   | M                |
| N    | 54749213  | Fork Tube Pockets Decal               | 4   | N                |
| P    | 54640024  | I-R Genuine Parts Decal               | *   | 54640024         |
| **Q  | 54749155  | Battery Charger Decal                 | *   | 54749155         |
| R    | 54625207  | Diesel Fuel Decal                     | *   | H                |
| S    | 54687777  | Autostart Warning Decal               | 6   | L                |
| T    | 36511244  | Autostart Decal                       | *   | 36511244         |
| U    | 54749171  | AC Heater Decal                       | *   | 54749171         |
| V    | 22928816  | Door Closed When Engine Running Decal | 4   | P                |
|      |           | * Autostart Option Only               |     |                  |
|      |           | ** Battery Charger Option Only        |     |                  |



# Schematics

NHP1500 Control System

NHP1500 CONTROL SYSTEM  
10 / 425 SCHEMATIC

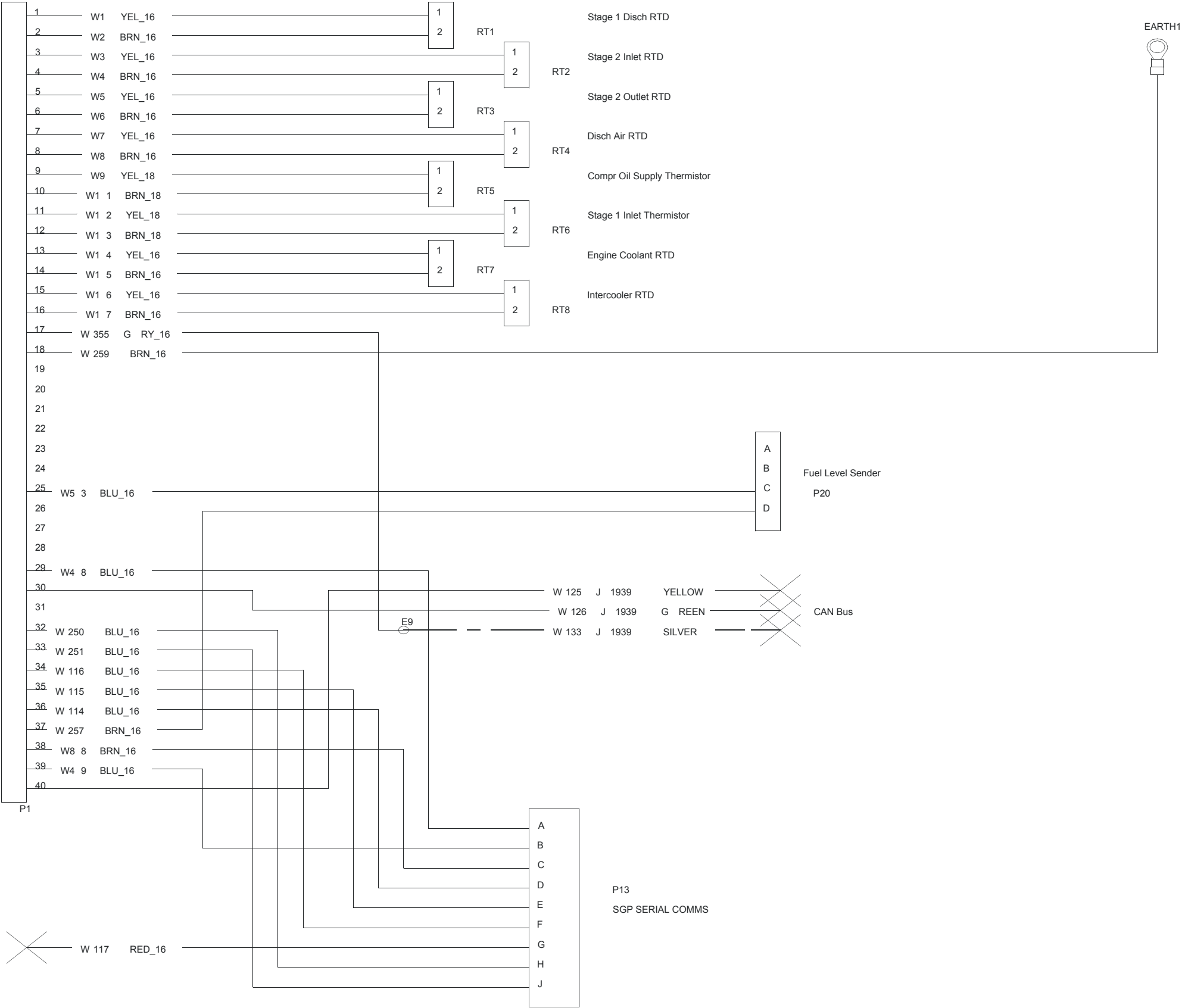


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23015134



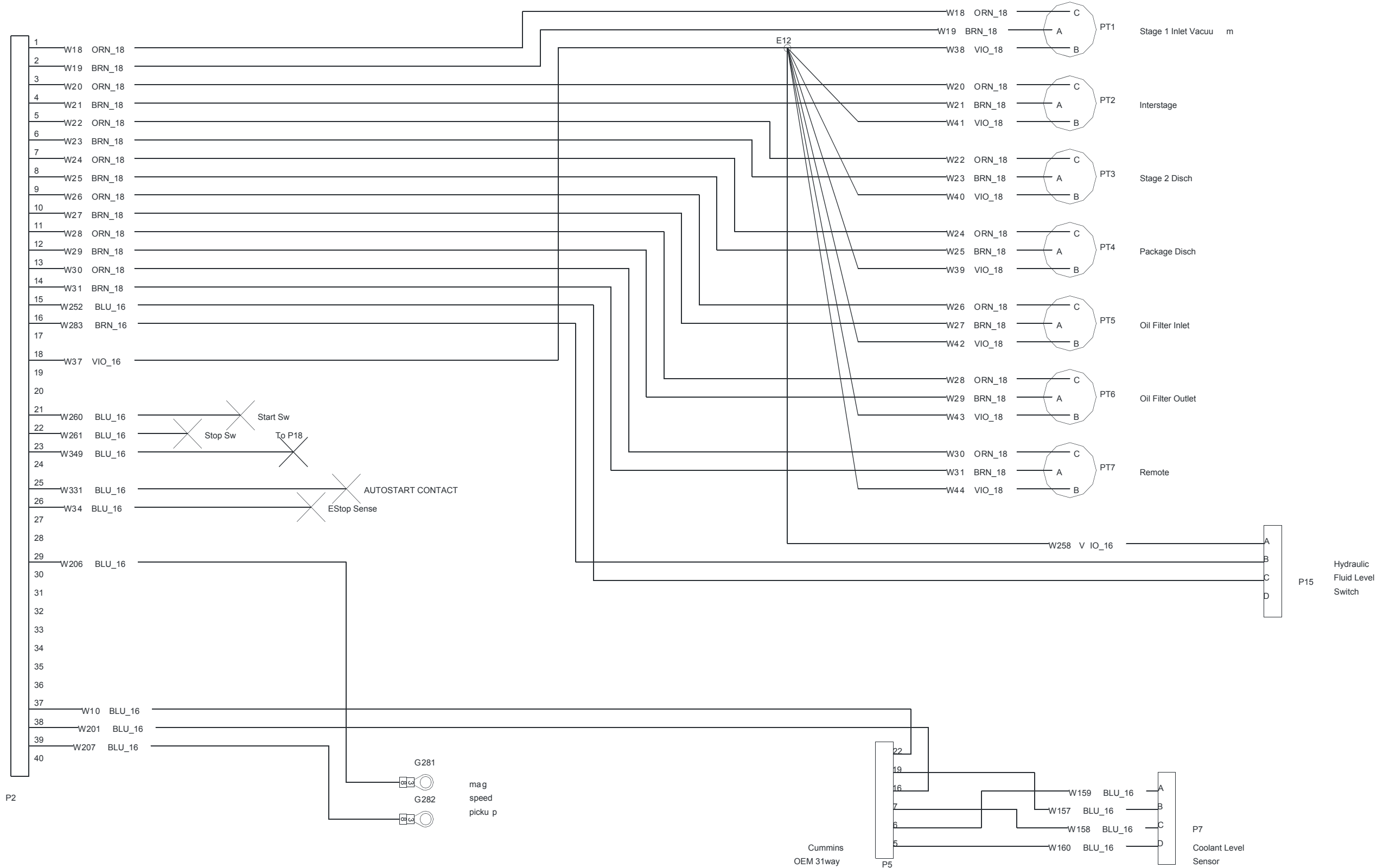
Schematic



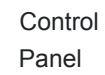
W1

Schematic

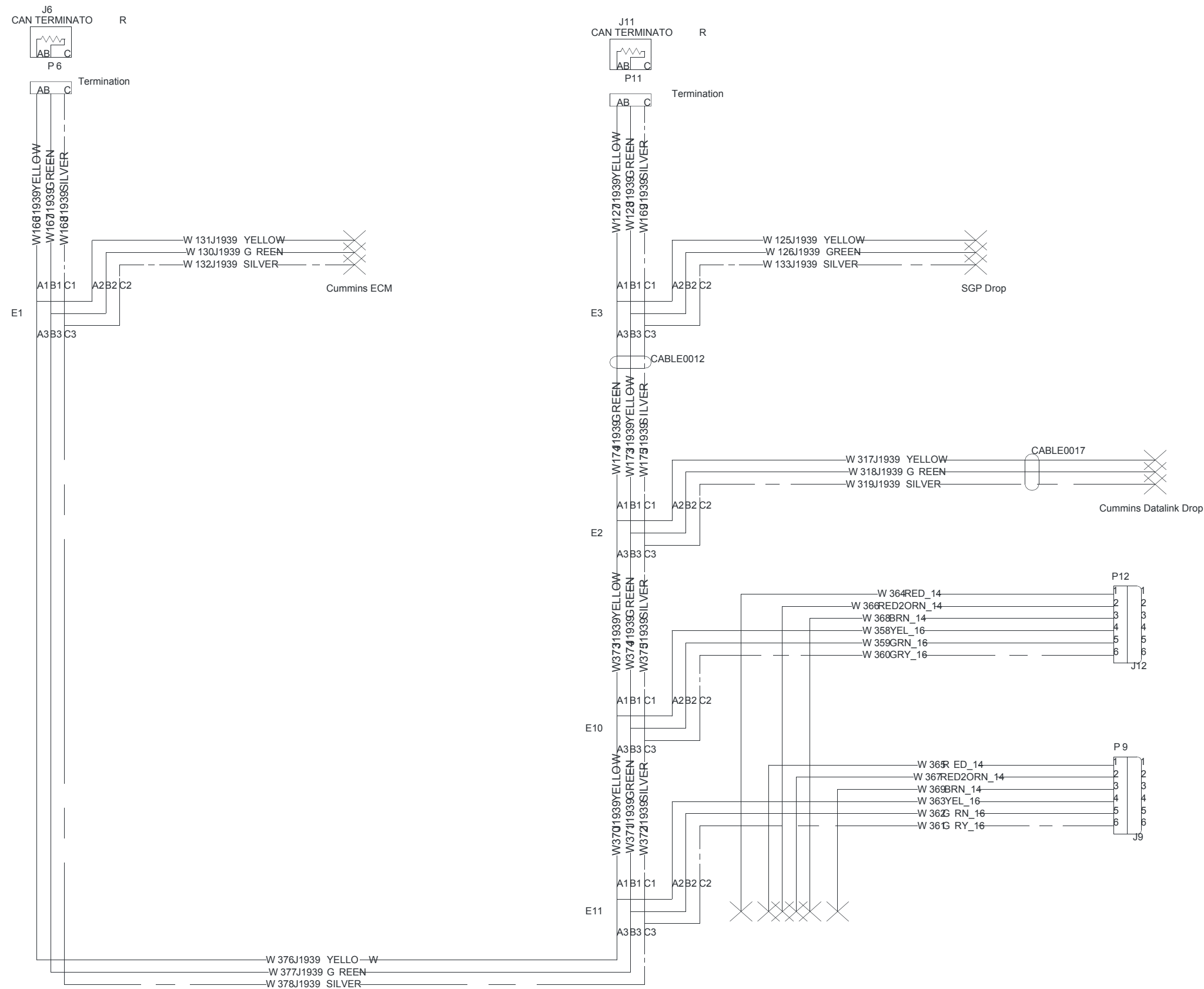
W1



# W1



J1939 Network Cable



W1

J1939 NETWORK CABLE

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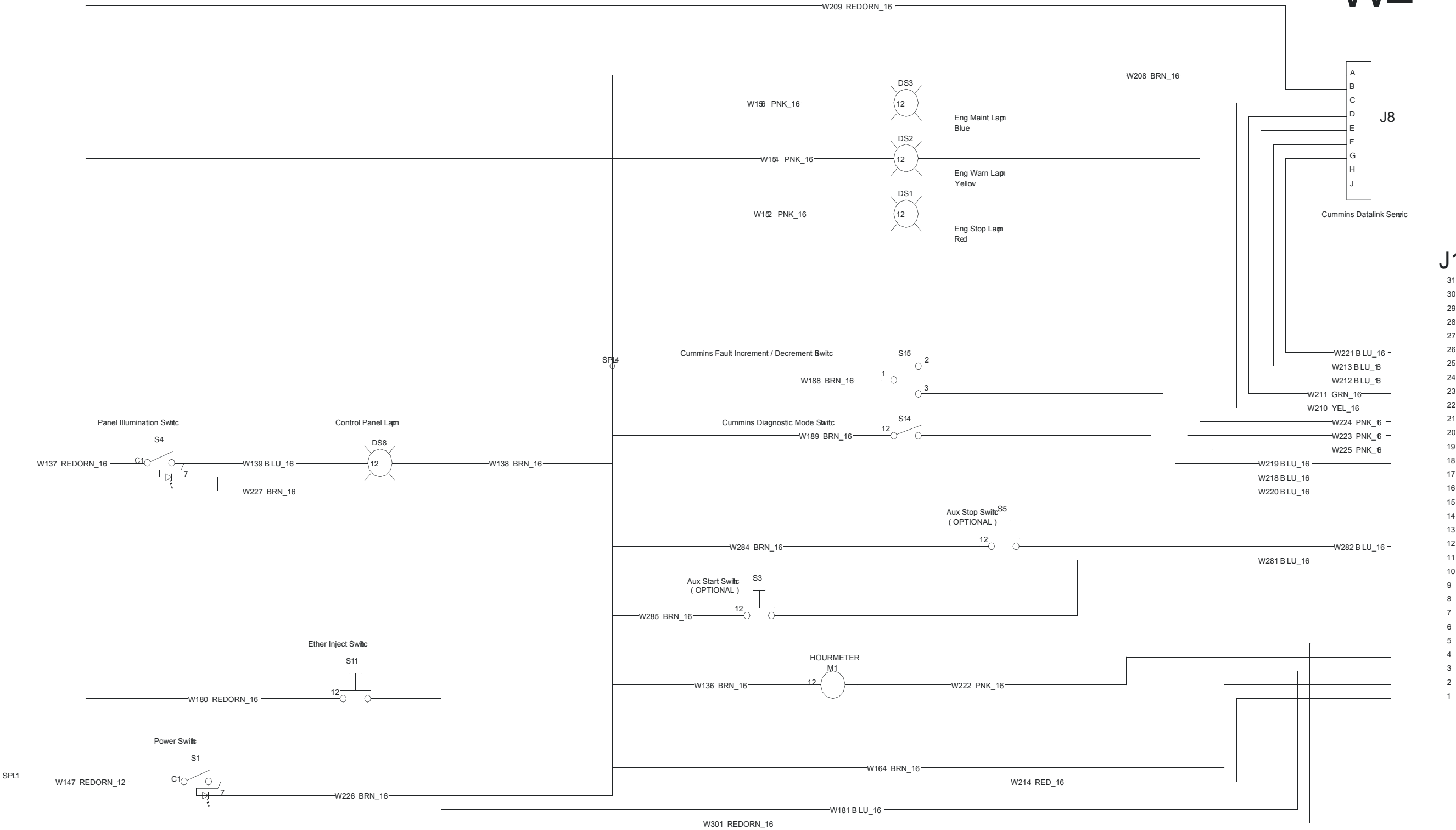
23015134

Control Panel Harness

W2

J8

J18

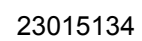


CONTROL PANEL HARNESS

22426803\_102\_10/06\_A

23015134

# W3





***\*\*Always use Ingersoll Rand Replacement parts!\*\****

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### Symbols

|                                |     |
|--------------------------------|-----|
| * Autostart Option Only        | 114 |
| * Included with Assembly       | 65  |
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