



Doosan Infracore
Portable Power

PARTS MANUAL

XHP1170CAT-EX-T3 (F53)

COMPRESSOR MANUAL

Doosan Infracore Portable Power
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PARTS ORDERING

GENERAL

This publication, which contains an illustrated parts breakdown, has been prepared as an aid in locating those parts which may be required in the maintenance of the unit. Always insist on genuine Doosan parts for your unit.

Doosan Infracore Portable Power can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.

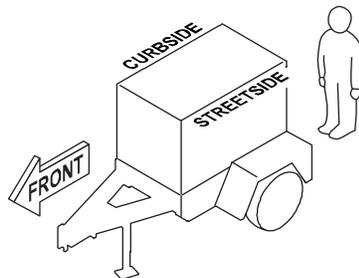
Doosan Portable Power service facilities and parts are available worldwide. Consult local yellow pages or visit: www.doosanportablepower.com.

Special order parts may not be included in this manual. Contact the Portable Power Parts Department with the unit serial number for assistance with these special parts.

Description

The illustrated parts breakdown illustrates and lists the various assemblies, subassemblies and detailed parts which make up this particular machine. This covers the standard models and the more popular options that are available.

In referring to the rear, the front or to either side of the unit, always consider the drawbar end of the unit as the front. Standing at the rear of the unit facing the drawbar (front) will determine the right and left sides.



Fasteners

Both SAE/inch and ISO/metric hardware have been used in the design and assembly of these units. In the disassembly and reassembly of parts, extreme care must be taken to avoid damaging threads by the use of wrong fasteners.

How To Order

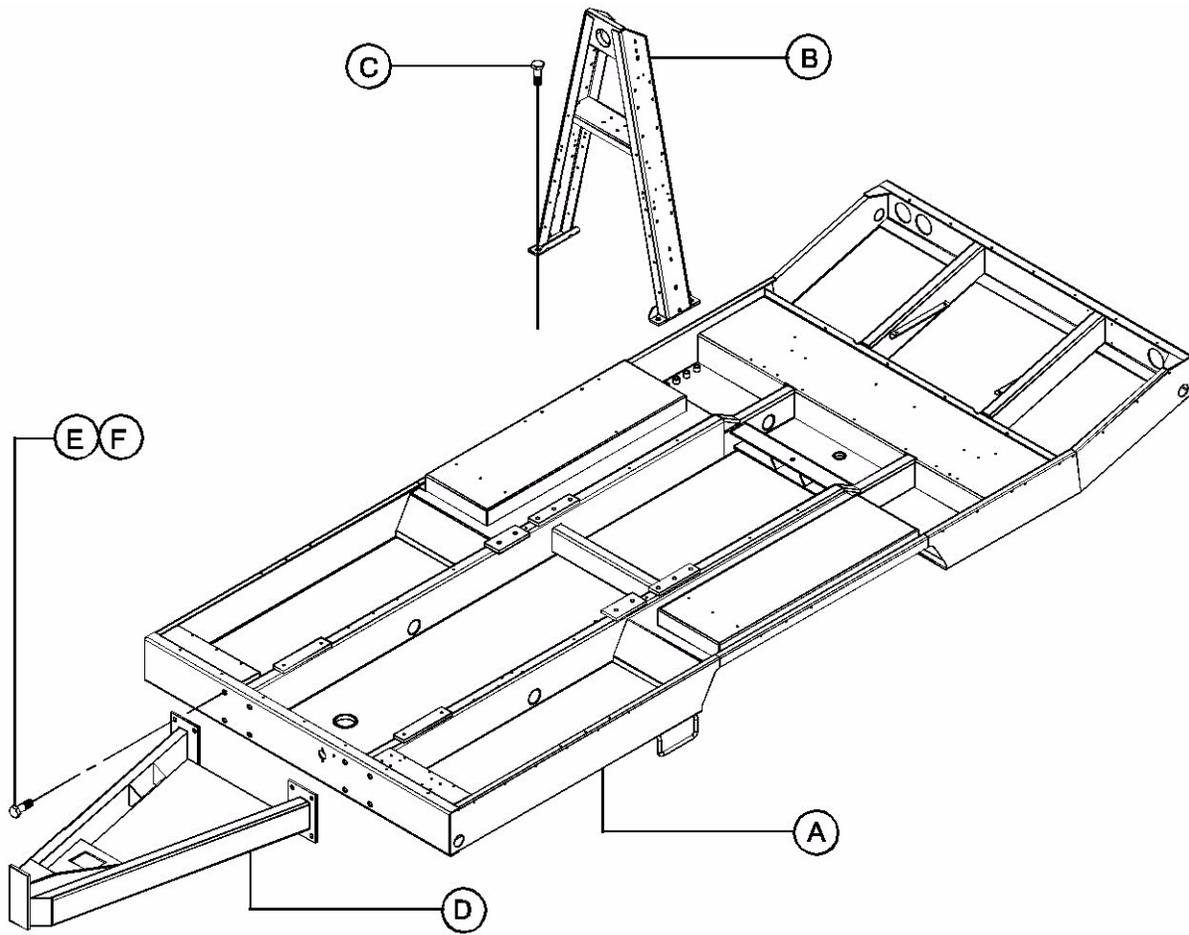
Always specify the model and serial number of the unit.

Specify the part number and description.



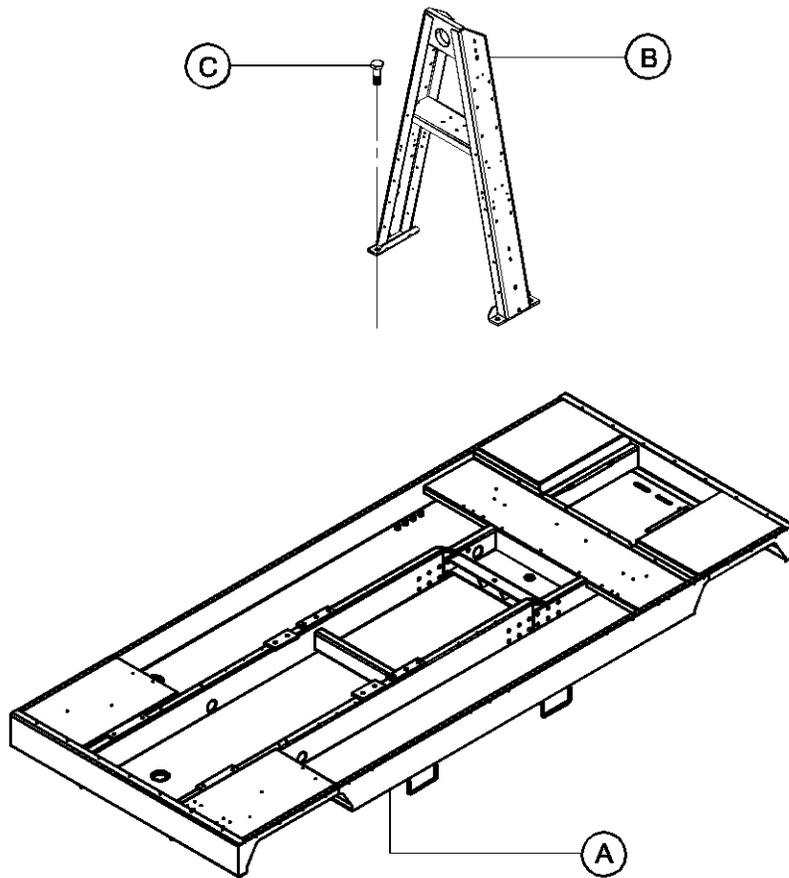
Section 4 - COMPRESSOR PARTS

Tandem Frame Assembly



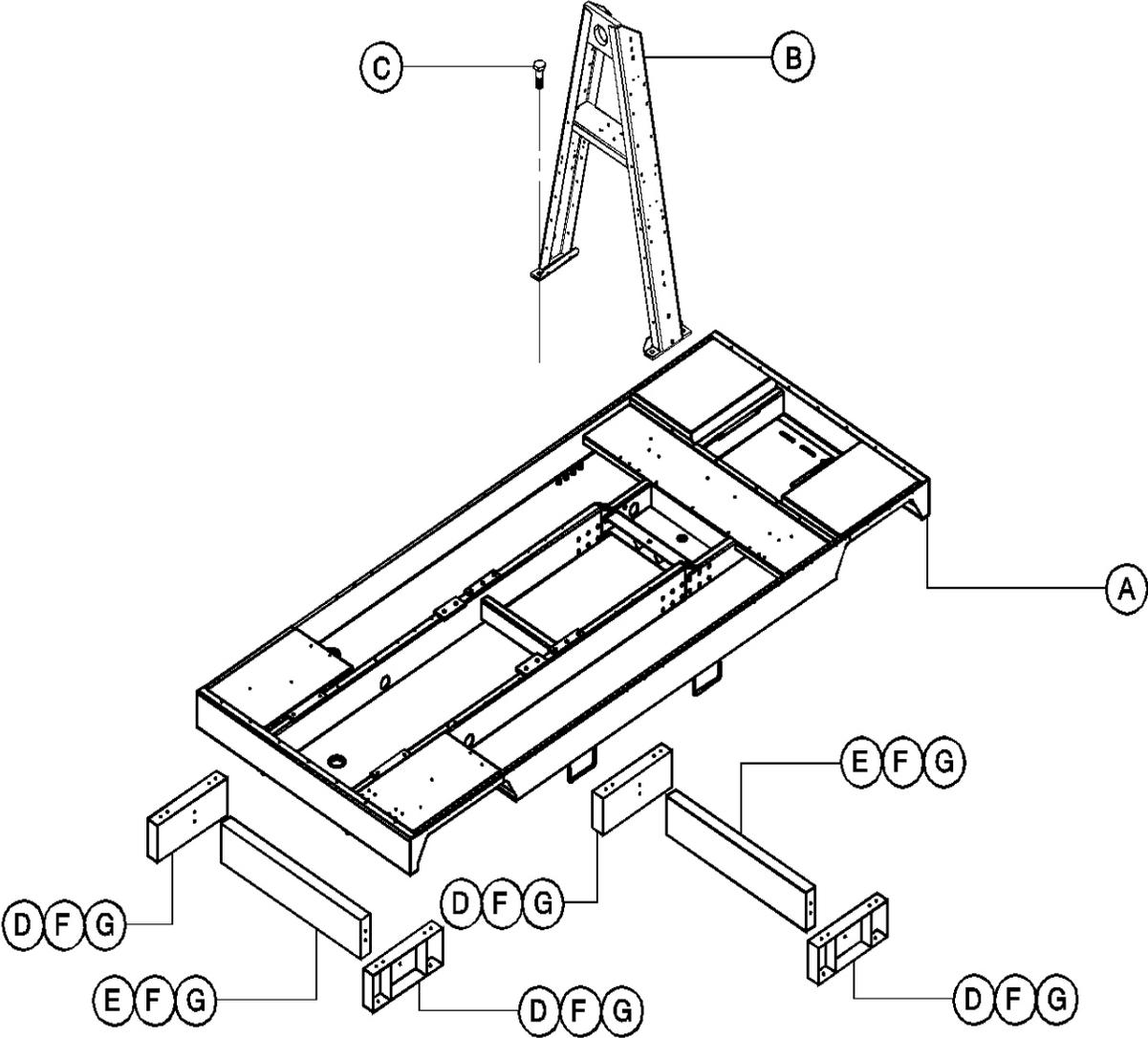
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------|-----|------------------|
| A | 22687792 | Frame Assembly | 1 | |
| B | 54542543 | Bail, Lifting | 1 | |
| C | 96700901 | Screw | 6 | |
| D | 22687784 | Drawbar | 1 | |
| E | 95996179 | Screw, Hex 1.00-8 X 3.50 | 8 | |
| F | 95996187 | Nut, Lock 1.00-8 | 8 | |

Wagon Frame Assembly



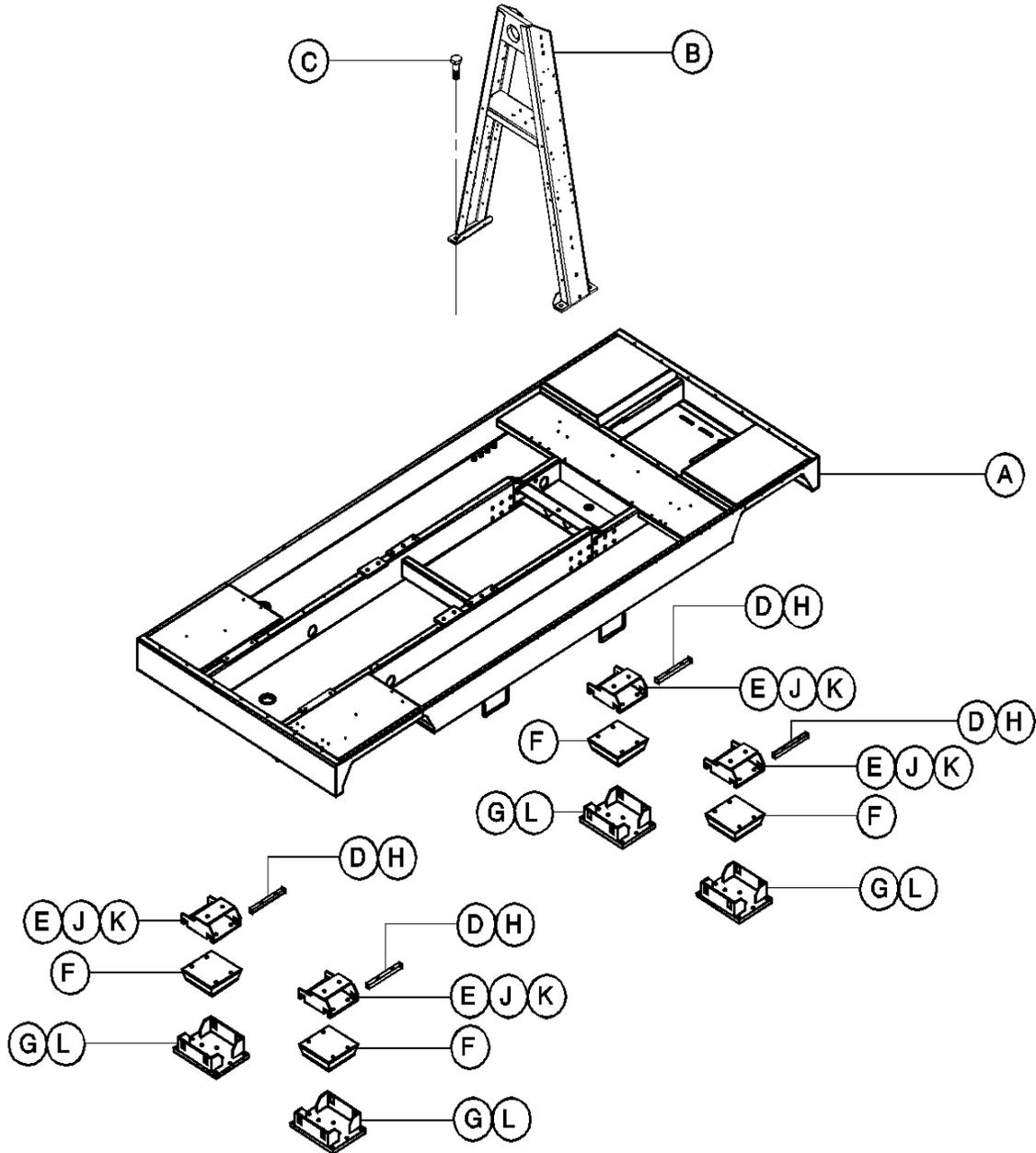
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|------------|----------------|-----|------------------|
| A | 22689384SB | Frame Assembly | 1 | |
| B | 22186845 | Bail, Lifting | 1 | |
| C | 96700901 | Screw | 6 | |

LRG Pedestal Mount on Wagon Frame Assembly



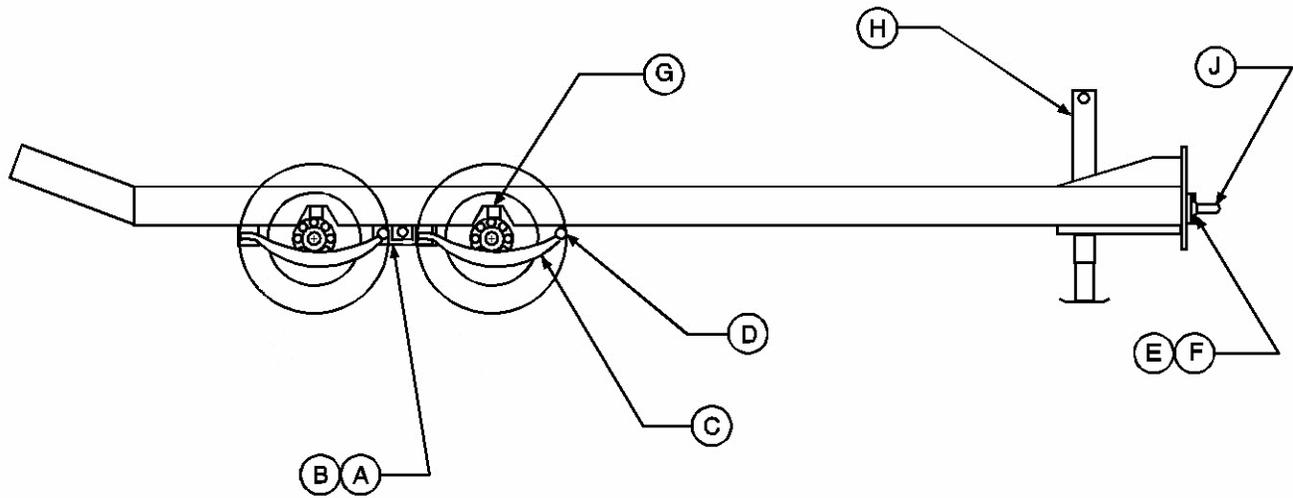
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|------------|------------------|-----|------------------|
| A | 22689384SB | Frame Assembly | 1 | |
| B | 22186845 | Bail, Lifting | 1 | |
| C | 96700901 | Screw | 6 | |
| D | 22876197 | Support, LRG | 4 | |
| E | 22053706SB | Crossmember, LRG | 2 | |
| F | 36879302 | Screw, M16 X 50 | 24 | |
| G | 96704630 | Nut, M16 | 24 | |

LRG Shock Mount on Wagon Frame Assembly



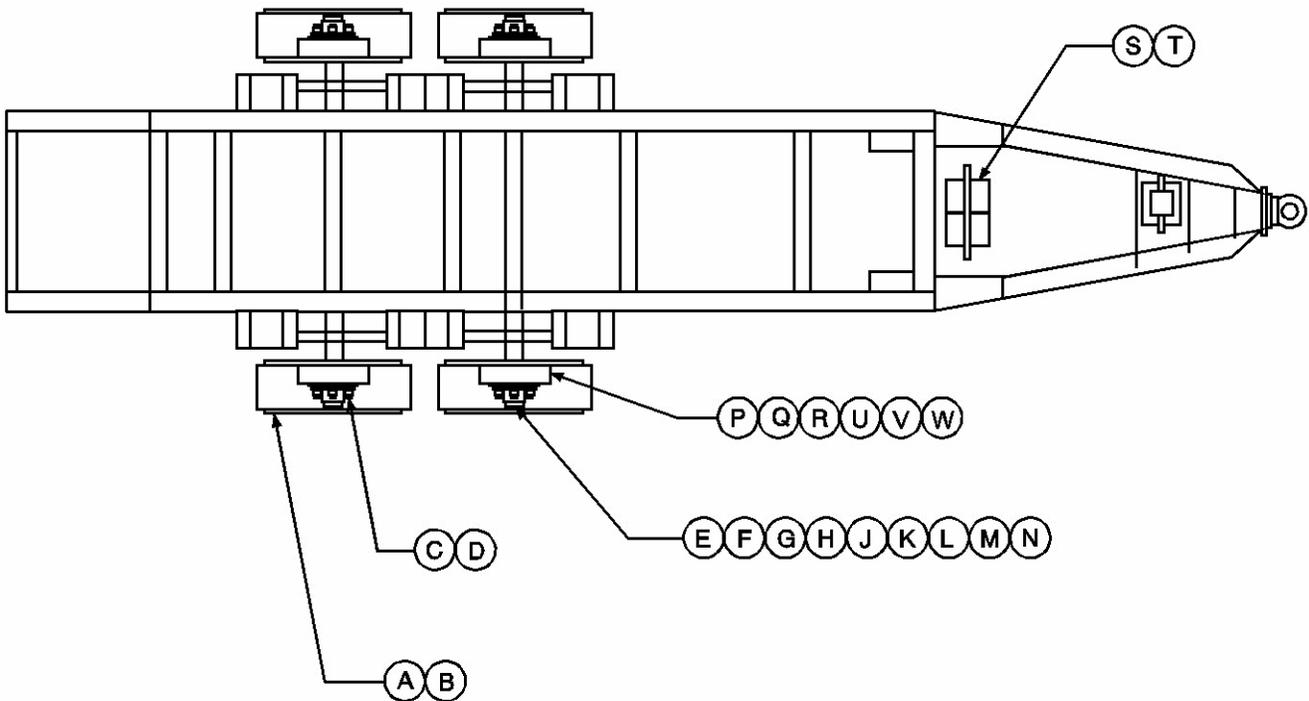
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|------------|----------------------------|-----|------------------|
| A | 22689384SB | Frame Assembly | 1 | |
| B | 22186845 | Bail, Lifting | 1 | |
| C | 96700901 | Screw | 6 | |
| D | 22112171SB | Bar, Shock Mount Rest | 8 | |
| E | 22110761SB | Support, Upper Shock Mount | 4 | |
| F | 36847002 | Isolator, Shear Mount | 4 | |
| G | 22110753SB | Support, Lower Shock Mount | 4 | |
| H | 95994877 | Screw, Hex 1/2-20 X 2.0 | 16 | |
| J | 36879302 | Bolt, M16 X 50 | 8 | |
| K | 96704630 | Nut, M16 | 8 | |
| L | 95954079 | Screw, Hex 1/2-20 X 1.0 | 16 | |

Tandem Running Gear



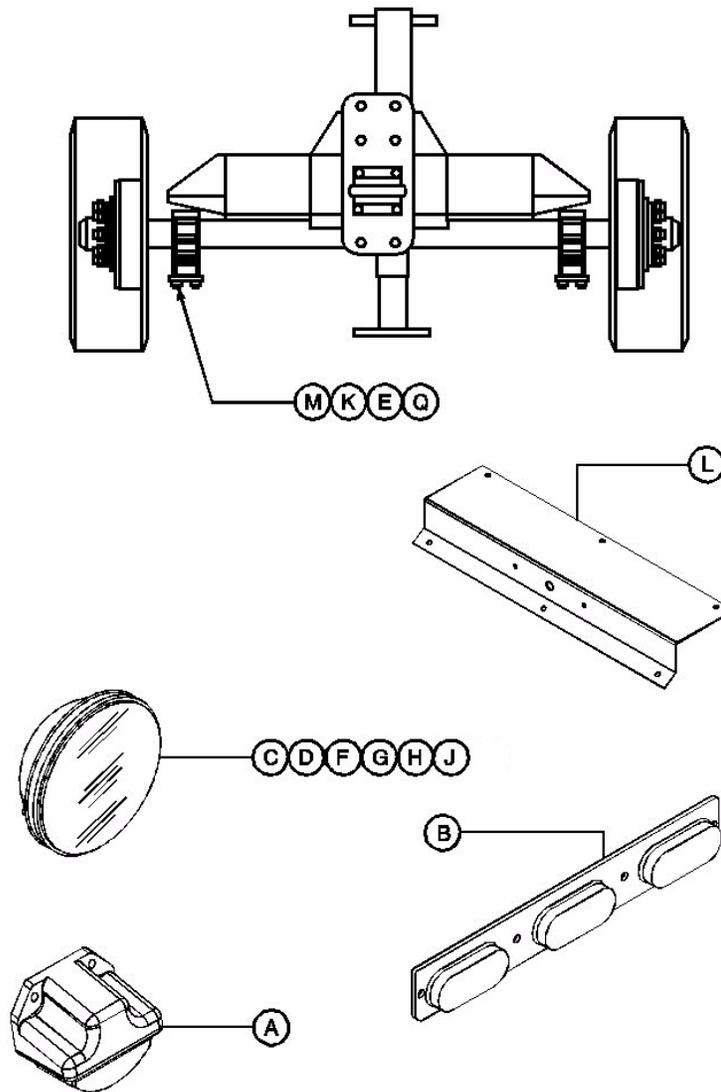
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|------------|-------------------|-----|------------------|
| A | 22688493 | Bar, Equalizer | 2 | |
| B | 95929139 | Bolt, Equalizer | 2 | |
| C | 22786974 | Spring, Leaf | 4 | |
| D | 95923363 | Locknut | 8 | |
| E | 95935201 | Screw | 4 | |
| F | 95923363 | Locknut | 4 | |
| G | 22789226 | Spacer, Axle Bump | 4 | |
| H | 46573339SB | Jack, Dropleg | 1 | |
| J | 36880128 | Eye, Pintle | 1 | |

Tandem Running Gear



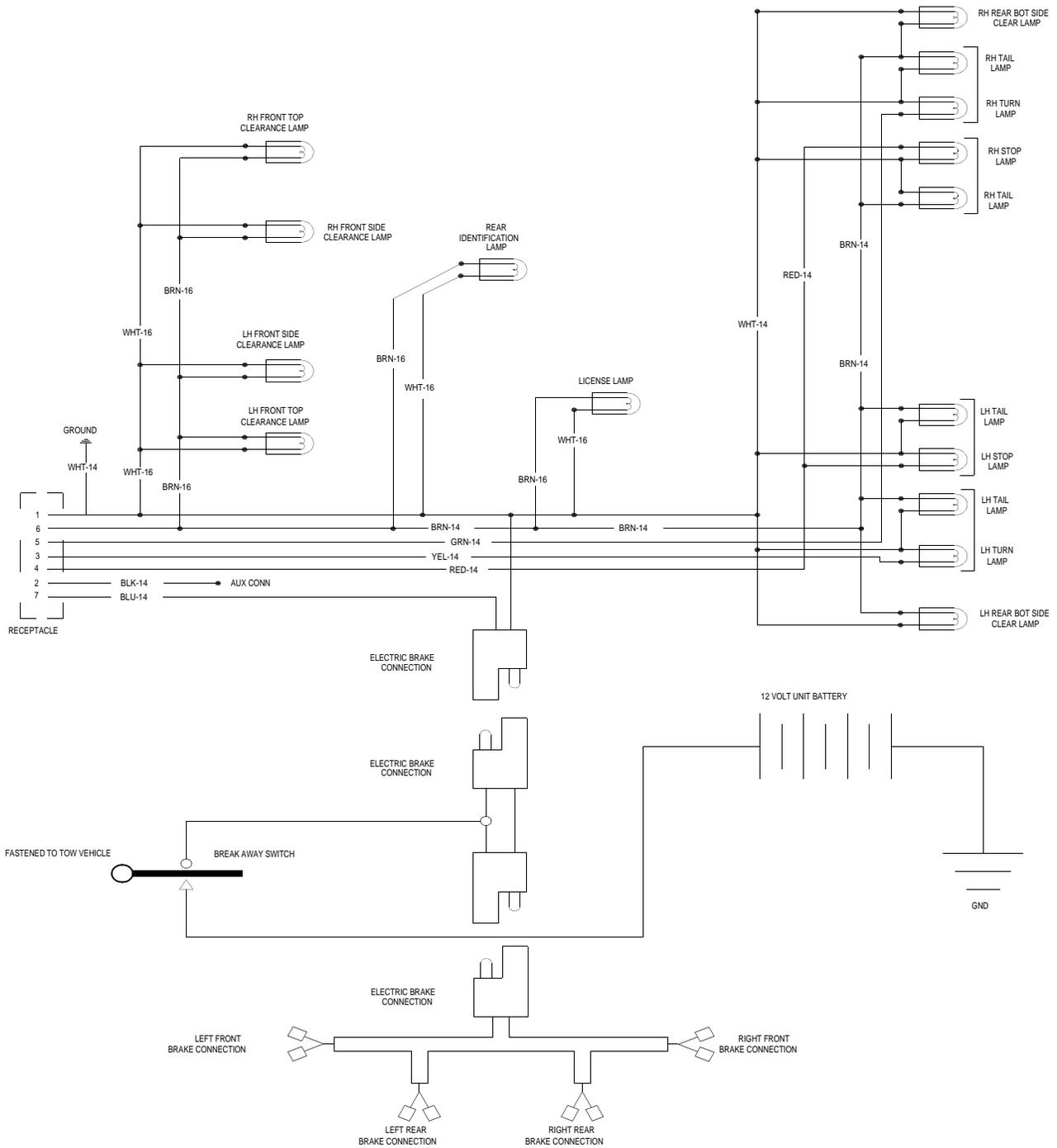
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------|-----|------------------|
| A | 36877991 | Tire | 4 | |
| B | 22077515 | Wheel | 4 | |
| | 36878049 | Ring | 4 | |
| C | 22860449 | Stud | 8 | |
| D | 22866669 | Nut | 8 | |
| E | 22866636 | Nut, Spindle | 4 | |
| F | 22866644 | Washer, Spindle | 2 | |
| G | 22866628 | Washer, Tang | 2 | |
| H | 22877161 | Inner Bearing Cup | 1 | |
| J | 22877112 | Outer Bearing Cup | 1 | |
| K | 22877146 | Inner Bearing Cone | 1 | |
| L | 22877120 | Outer Bearing Cone | 1 | |
| M | 22877138 | Seal | 1 | |
| N | 22777841 | Kit, Grease Cap | 8 | |
| P | 22870265 | Plug, Grease Cap | 4 | |
| Q | 22857544 | L.H. Electric Brake | 2 | |
| R | 22857551 | R.H. Electric Brake | 2 | |
| S X | 35603190 | Chock, Wheel | 2 | |
| T Y | 35333830 | Strap, Rubber | 2 | |

Tandem Running Gear



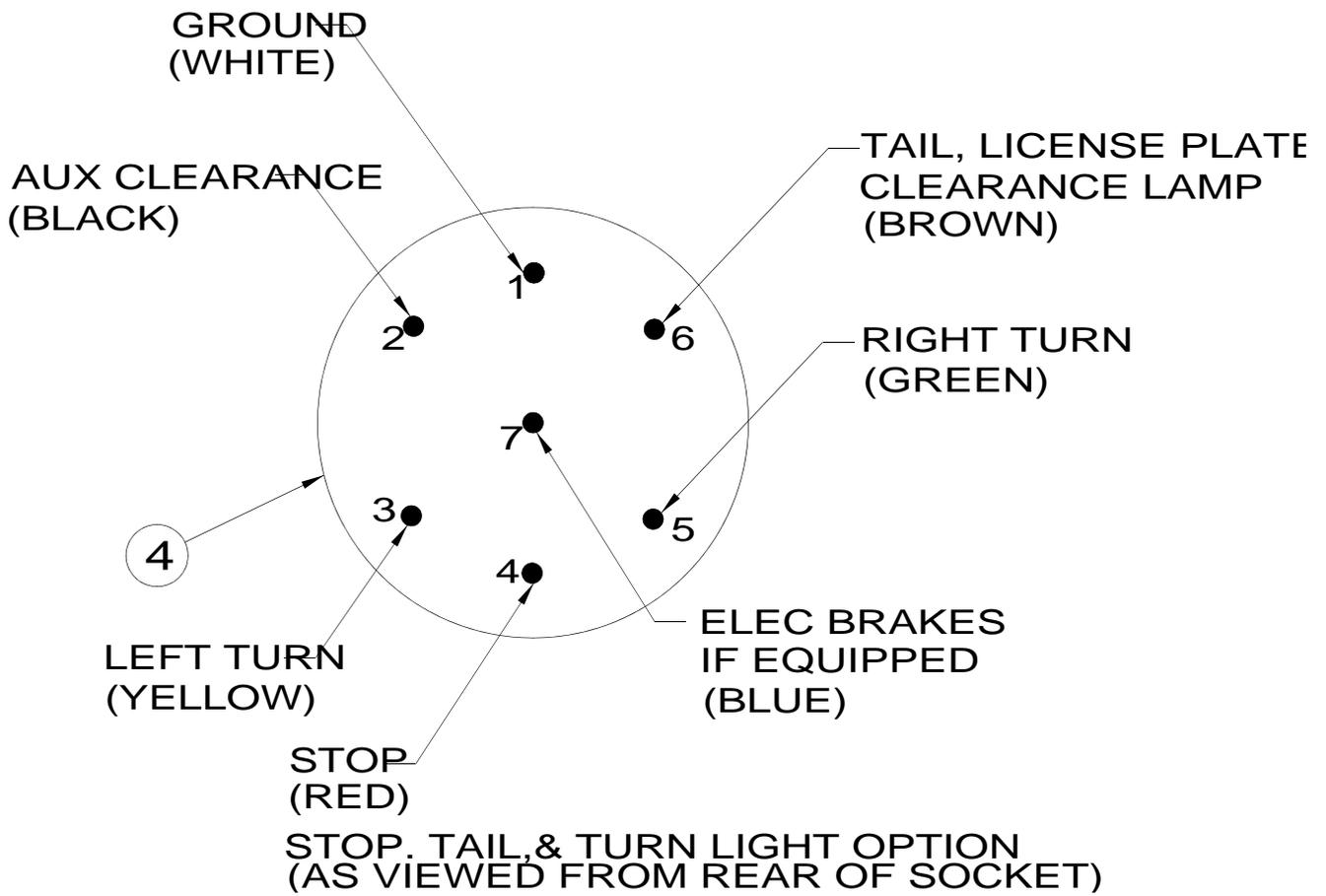
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A | 36895860 | Light, License Plate | 1 | |
| B | 36922144 | Light , Ident | 1 | |
| C | 36788081 | Stop, Turn and Tail Light | 4 | |
| D | 36787968 | Grommet (Use on Item C & E) | 4 | |
| E | 22870299 | Nut | 8 | |
| F | 35367051 | Yellow Light | 2 | |
| G | 36893642 | Grommet (Use on Item F) | 4 | |
| H | 36893634 | Grommet (Use on Item F) | 2 | |
| J | 35367044 | Red Clearance Light | 2 | |
| K | 22870273 | U-Bolt | 4 | |
| L | 95922126 | Screw, #10 - 24 X 5/8" | 2 | |
| M | 35265388 | Nut, Locking, #10 - 24 | 2 | |
| | 22891089 | Harness, Brake Axle | 1 | Not Shown |
| | 22891097 | Harness, Lighting | 1 | Not Shown |

Tandem Wiring

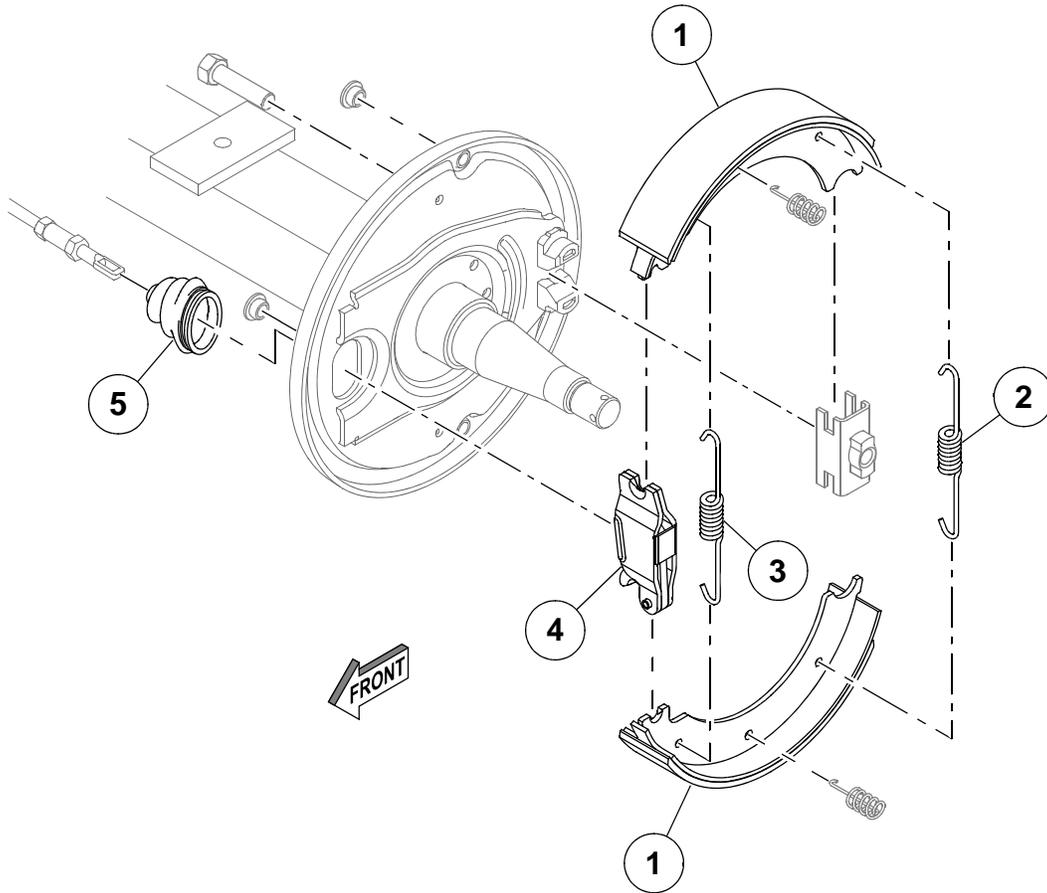


| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------|-----|------------------|
| | 54752308 | Lighting Harness | 1 | |
| | 22639728 | Electric Brake Harness | 1 | |
| | 22635387 | Break Away Switch Harness | 1 | |

Tandem Wiring

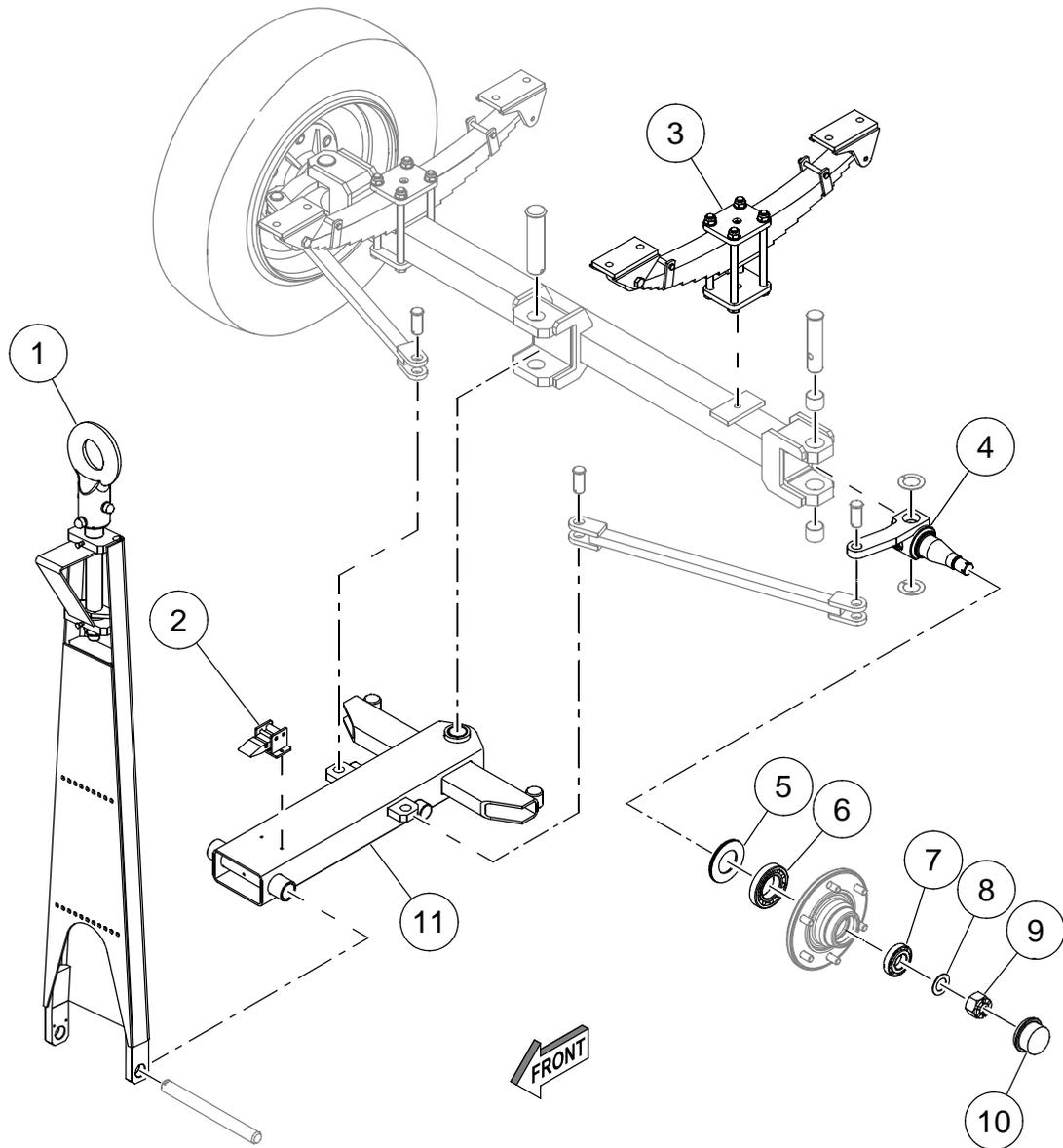


Brake Assembly



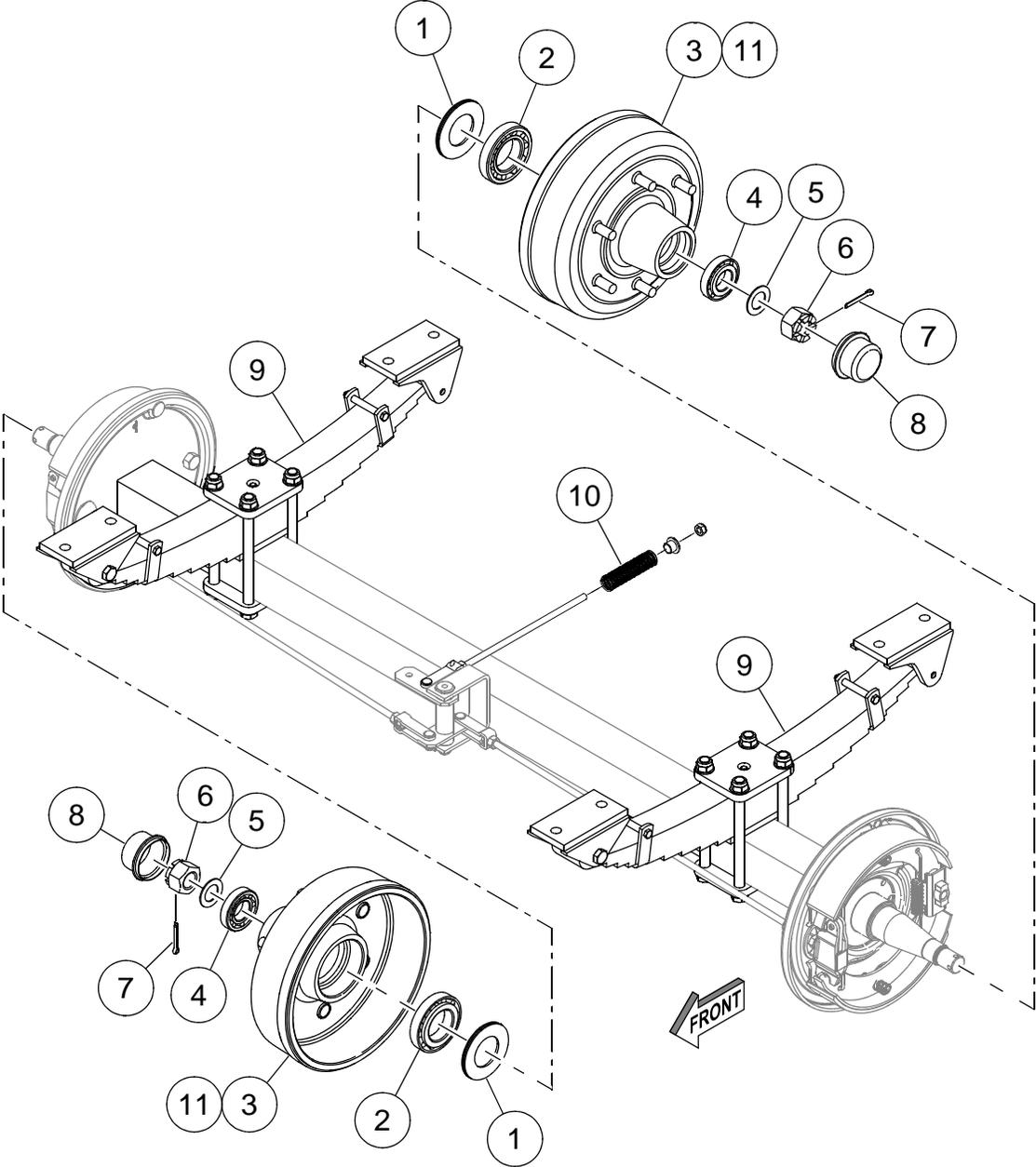
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------|-----|------------------|
| 1 | 22392625 | Brake Shoe, Complete, Knott Axle | 4 | |
| 2 | 22392617 | Adjuster, Knott Axle | 2 | |
| 3 | 22392666 | Spring, Knott Axle | 2 | |
| 4 | 22392658 | Expander, Knott Axle | 2 | |
| 5 | 22392674 | Cuff, Brake Rod, Knott Axle | 2 | |

Axle Assembly - Front - STRG



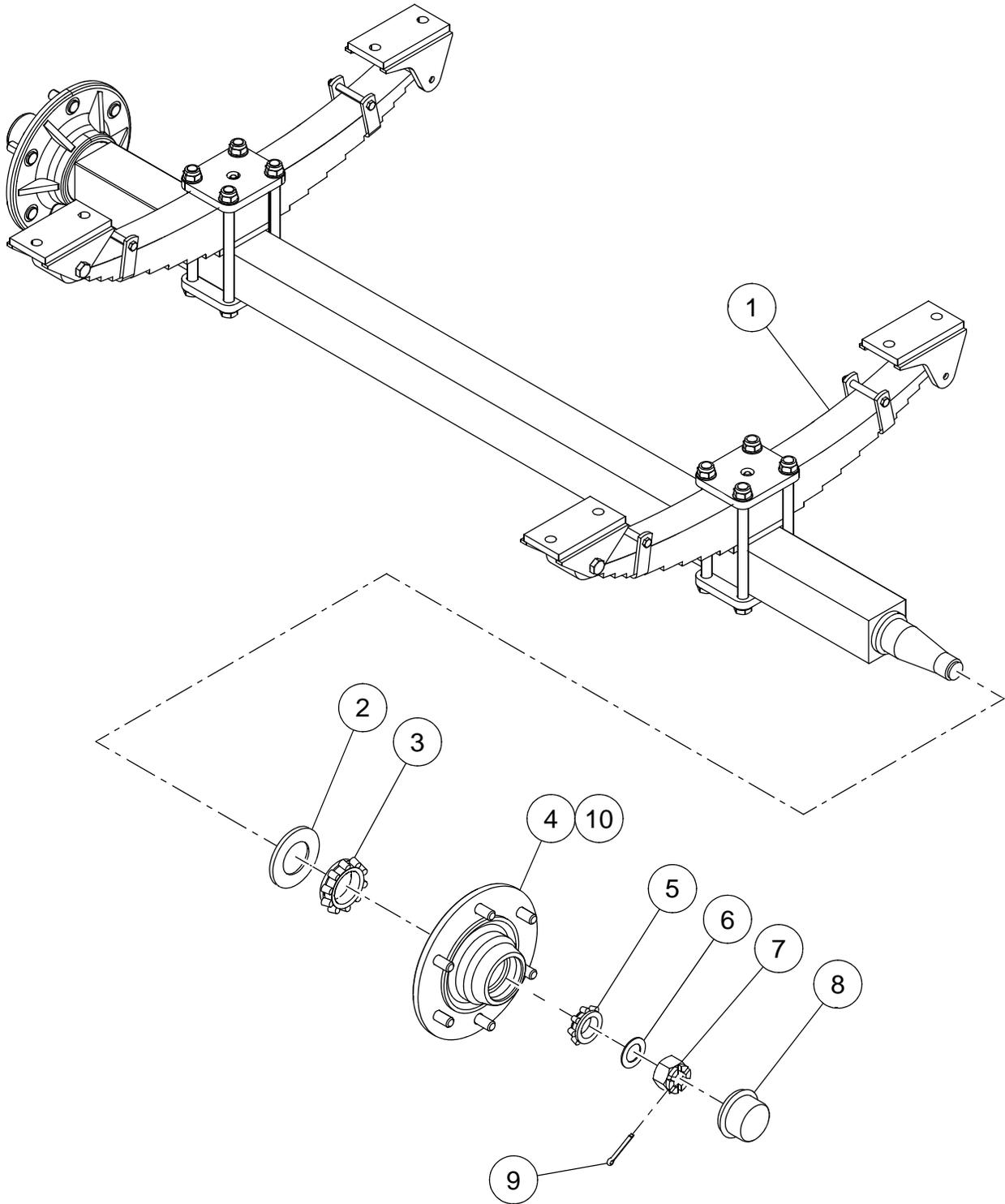
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------------|-----|------------------|
| 1 | 22871149 | Drawbar, Pivot Arm, Knott Axle | 1 | |
| 2 | 22871222 | Latch, Drawbar, Knott Axle | 1 | |
| 3 | 22871289 | Spring / Shackle Assembly, Knott Axle | 2 | |
| 4 | 22871388 | Knuckle, Steering, Right Knott Axle | 1 | |
| | 22871370 | Knuckle, Steering, Left Knott Axle | 1 | |
| 5 | 22871214 | Ring, Knott Axle | 2 | |
| 6 | 22391261 | Bearing, Inner Knott Hub | 2 | |
| 7 | 22392138 | Bearing, Outer | 2 | |
| 8 | 22392229 | Washer | 2 | |
| 9 | 22392146 | Nut M30 X 1.5 DIN 935, Knott Axle | 2 | |
| 10 | 22392153 | Cap, Dust | 2 | |
| 11 | 22871123 | Drawbar, Steering Arm, Knott Axle | 1 | |

Axle Assembly - Rear with Parking Brake - STRG



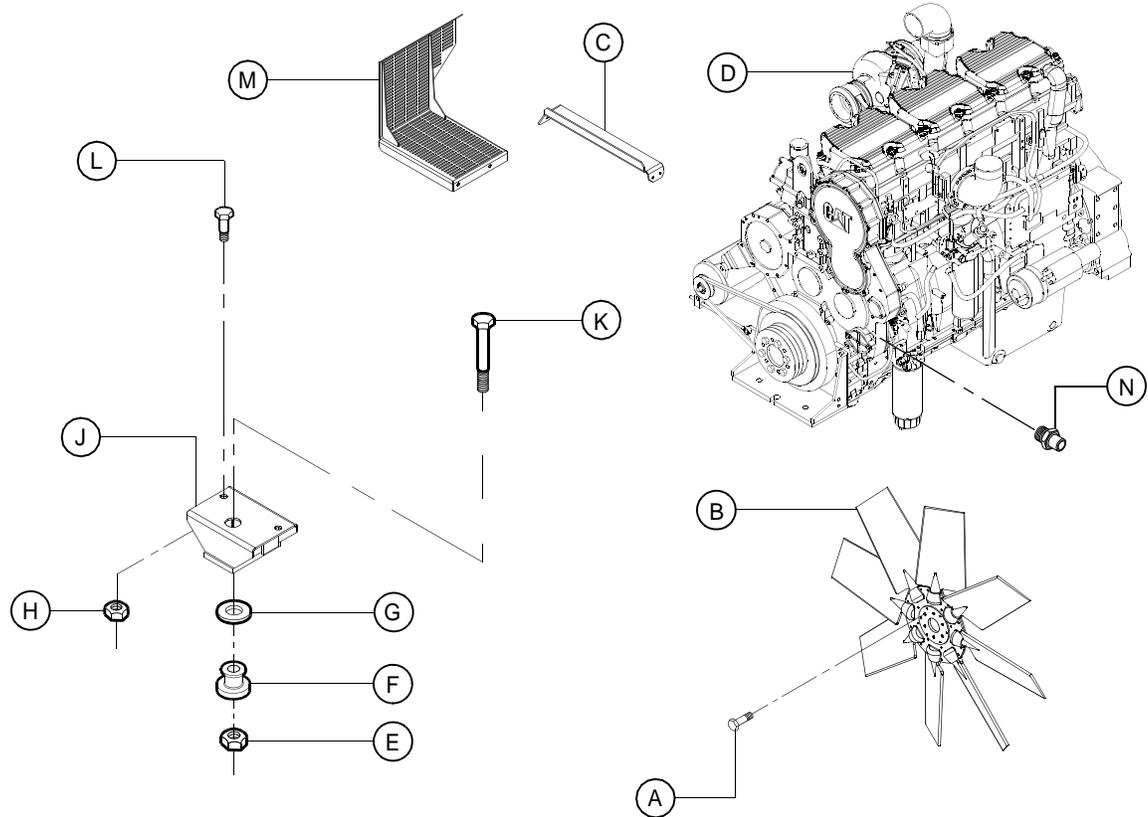
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------------|-----|------------------|
| 1 | 22871214 | Ring, Knott Axle | 2 | |
| 2 | 22391261 | Bearing, Inner, Knott Axle | 2 | |
| 3 | 22392575 | Drum, Brake | 2 | |
| 4 | 22392138 | Bearing, Outer | 2 | |
| 5 | 22392229 | Washer | 2 | |
| 6 | 22392146 | Nut | 2 | |
| 7 | 22392237 | Pin, Cotter | 2 | |
| 8 | 22392153 | Cap, Dust | 2 | |
| 9 | 22871289 | Spring / Shackle Assembly, Knott Axle | 2 | |
| 10 | 22392559 | Spring, Compression, Knott Axle | 2 | |
| 11 | 22392211 | Nut, M16 - 1.5 | 12 | |

Axle Assembly - Rear w/o Parking Brake - STRG



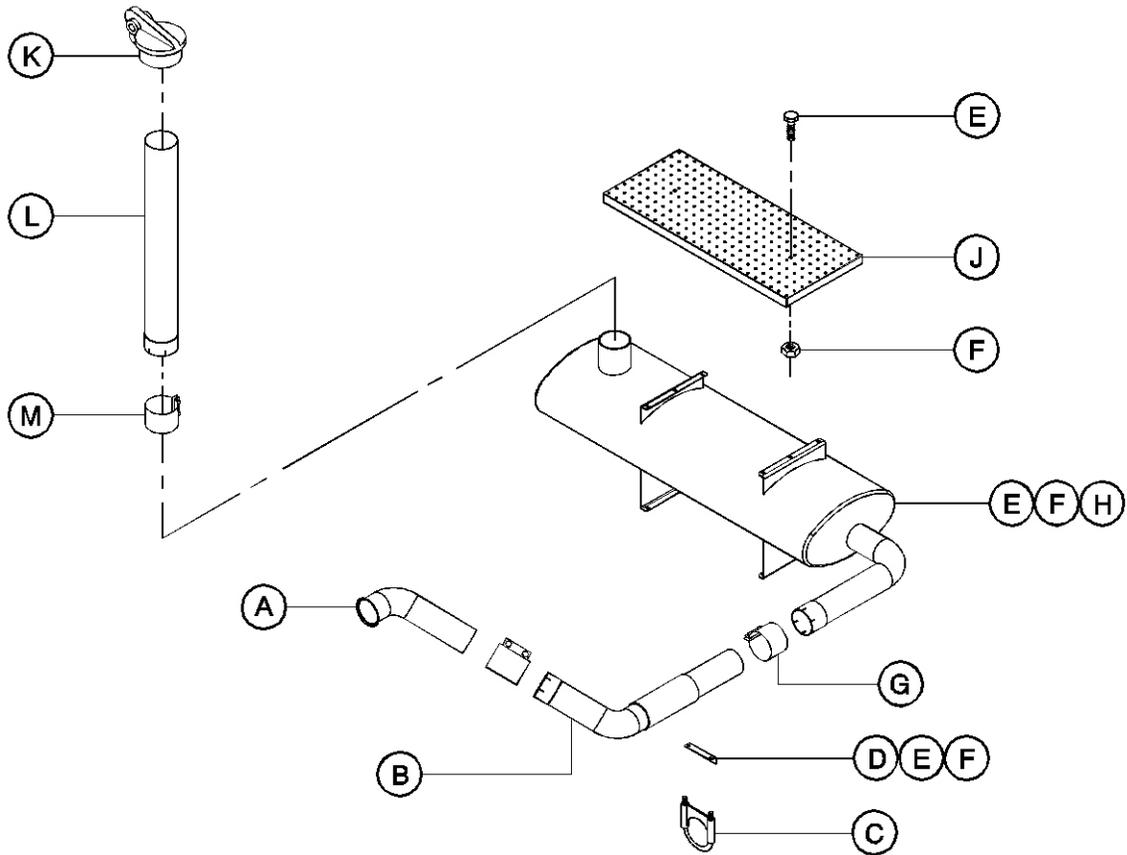
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------------|-----|------------------|
| 1 | 22871289 | Spring / Shackle Assembly, Knott Axle | 2 | |
| 2 | 22871214 | Ring, Knott Axle | 2 | |
| 3 | 22391261 | Bearing, Inner, Knott Axle | 2 | |
| 4 | 22871115 | Hub, Front Axle for Knott | 2 | |
| 5 | 22392138 | Bearing, Outer | 2 | |
| 6 | 22392229 | Washer | 2 | |
| 7 | 22392146 | Nut | 2 | |
| 8 | 22392237 | Pin, Cotter | 2 | |
| 9 | 22392153 | Cap, Dust | 2 | |
| 10 | 22392211 | Nut, M16 - 1.5 | 12 | |

Engine Assembly



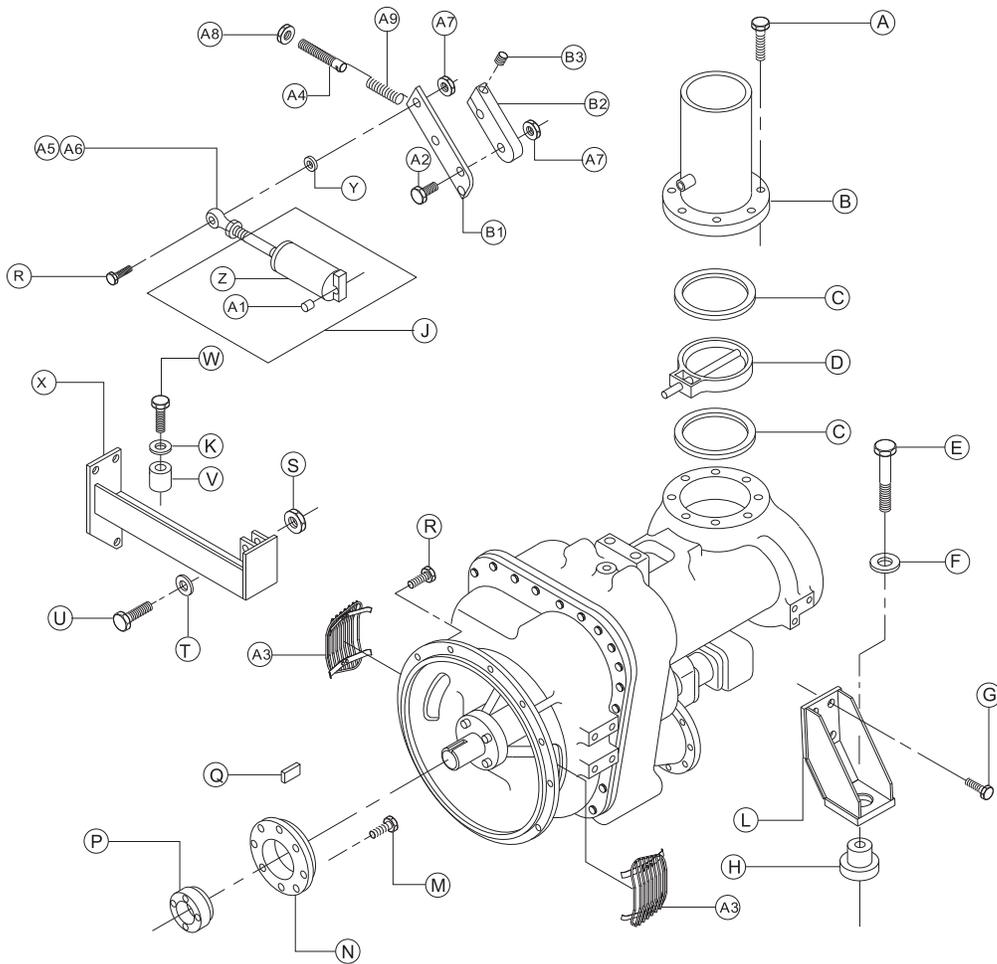
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------------|-----|------------------|
| A | 95920708 | Screw | 6 | |
| B | 36884047 | Fan Assembly | 1 | |
| C | 54747373 | Guard, Fan | 1 | |
| D | 46556801 | Engine, CAT C15 | 1 | |
| E | 95923363 | Nut | 1 | |
| F | 35584556 | Mount, Rubber | 1 | |
| G | 35273937 | Washer | 1 | |
| H | 95922928 | Nut | 2 | |
| J | 54613351 | Bracket, Engine | 1 | |
| K | 95934253 | Screw | 1 | |
| L | 95934378 | Screw | 2 | |
| M | 22095525 | Turbo, Guard | 1 | |
| N | 23191505 | Adapter | 1 | In Water Pump |
| | | Engine Filters | | |
| | 22730014 | Primary Fuel Filter - Filter and Seal | 1 | |
| | 22730022 | Primary Fuel Filter - Bowl Assembly | 1 | |
| | 22090526 | Secondary Fuel Filter | | |
| | 35362268 | Water Filter | | |
| | 35362235 | Oil Filter | | |

Exhaust Assembly



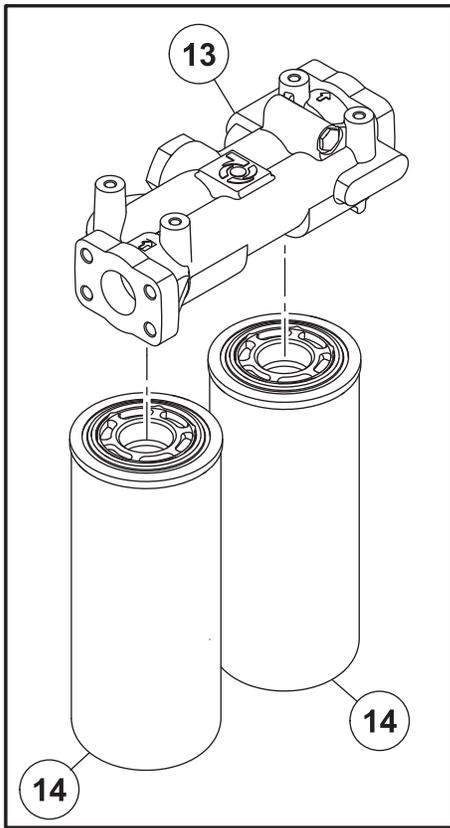
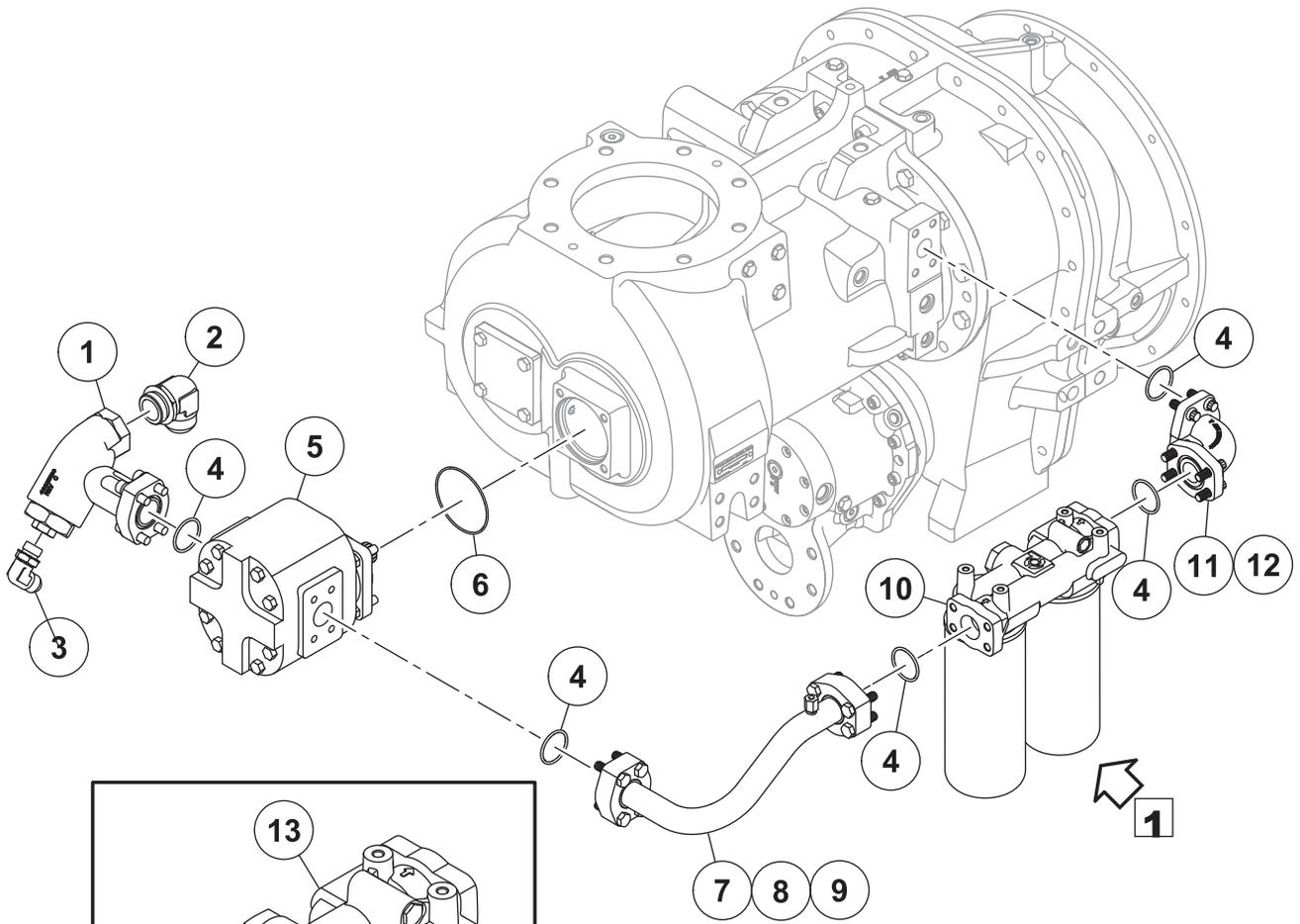
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------|-----|------------------|
| A | 22085732 | Tube, Exhaust Elbow | 1 | |
| B | 22085740 | Tube, Exhaust Ejector | 1 | |
| C | 35127653 | Clamp | 1 | |
| D | 35313303 | Clamp, Seal | 1 | |
| E | 36880995 | Screw | 4 | |
| F | 36879195 | Nut | 4 | |
| G | 36799807 | Clamp, Seal | 2 | |
| H | 22079495 | Muffler | 1 | |
| J | 54629589 | Step | 1 | |
| K | 35851351 | Cap, Rain | 1 | |
| L | 22179220 | Tube, Exhaust Tail | 1 | |
| M | 23092562 | Clamp, 8" Band | 1 | |
| | 22104343 | Wrap, Exhaust | 1 | Not Shown |
| | 54721105 | Kit, Wrap Wire Kit | 1 | Not Shown |

Air End Complete



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|------------|----------------------|-----|-----------------------|
| S | 95923314 | Nut | 1 | <i>.....Continued</i> |
| T | 95934998 | Washer, Flat | 1 | |
| U | 35288893 | Screw | 1 | |
| V | 36898450 | Spacer | 2 | |
| W | 35375963 | Screw | 2 | |
| X | 36898005 | Bracket, Air Cleaner | 1 | |
| Y | 95935037 | Washer, Flat | 1 | |
| Z | 35584689 | Cylinder, Air | 1 | |
| A1 | 35288885 | Bushing | 1 | |
| A2 | 95934782 | Screw | 1 | |
| A3 | 46622860 | Cover, Hand Guard | 2 | |
| A4 | 35605799 | Rod, Adjuster | 1 | |
| A5 | 35300532 | Bearing, Rod End | 1 | |
| A6 | 95926028 | Nut | 1 | |
| A7 | 95923330 | Nut | 1 | |
| A8 | 35145077 | Nut | 2 | |
| A9 | 35579523 | Spring | 1 | |
| B1 | 46624081SA | Lever, Regulation | 1 | |
| B2 | 35264951 | Lever, Control | 1 | |
| B3 | 95500369 | Screw, Set | 1 | |

Airend Oil Pump and Filters

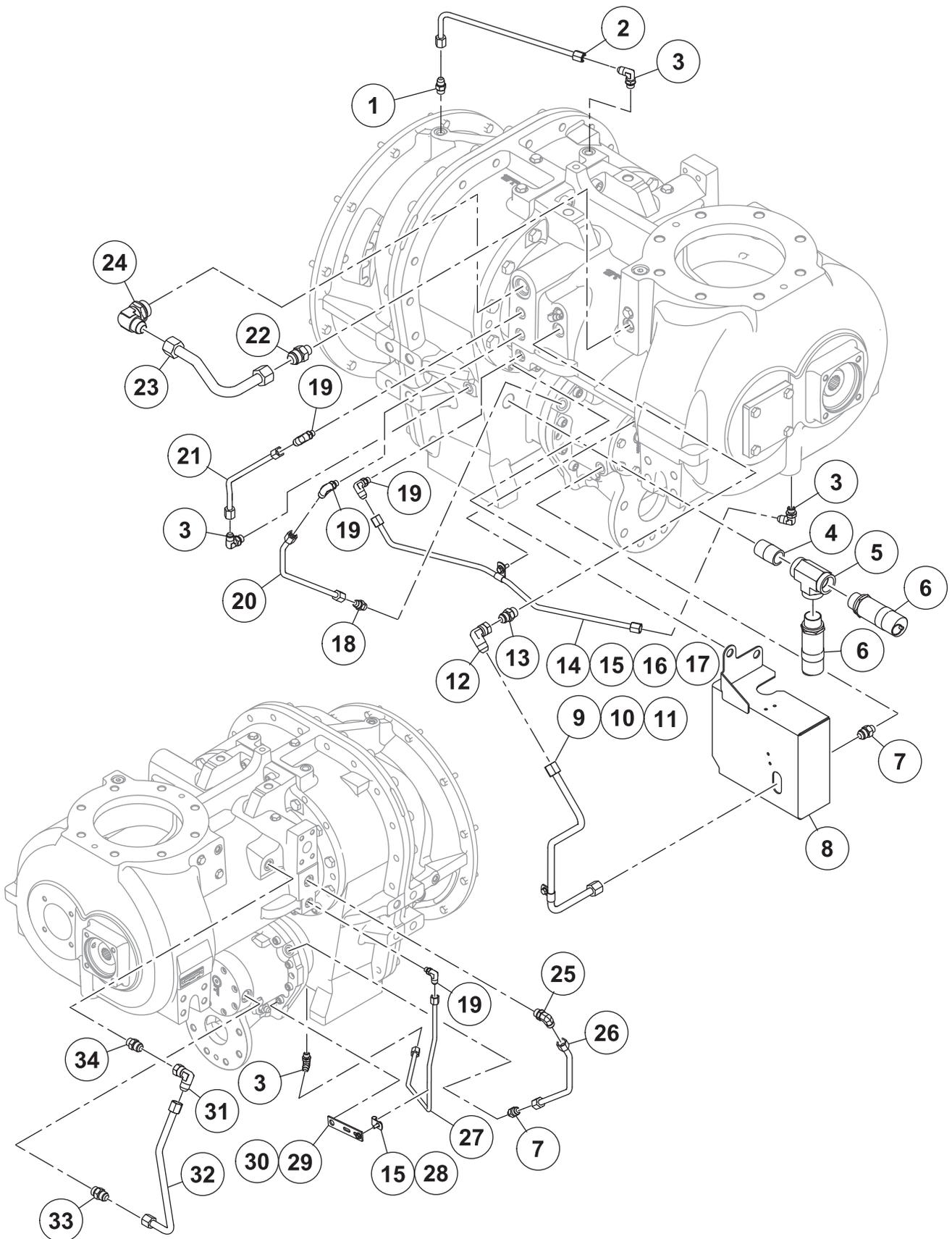


DETAIL 1

Airend Oil Pump and Filters

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------------------------|-----|------------------|
| 1 | 46627982 | Strainer Assembly, HR350 | 1 | |
| 2 | 95431292 | Elbow, 90° -24 JIC X 1-7/8" -12 UNF SAE, O-Ring | 1 | |
| 3 | 35294750 | Elbow, 90° -12 JIC X 1-1/16" -12 UNF SAE, O-Ring | 1 | |
| 4 | 95987970 | O-Ring, 1-7/8" ID X 1/8", Viton -225 Standard | 5 | |
| 5 | 46619418 | Pump, Oil, HR350 | 1 | |
| 6 | 95000410 | O-Ring, 2" ID X 1/8", Viton -125 Standard | 1 | |
| 7 | 46622775 | Tube, Pump Outlet, HR350 | 1 | |
| 8 | 95104196 | Screw, Hex, 1/2" -13 UNC X 2" | 8 | |
| 9 | 35321389 | Cap, -6 JIC | 1 | |
| 10 | 46627460 | Filter Assembly, Dual, HR350 | 1 | |
| 11 | 46622471 | Elbow, Filter Outlet | 1 | |
| 12 | 95475349 | Screw, 12 Pt, 1/2" -13 UNC X 1-1/2" | 8 | |
| 13 | 46622217 | Head, Filter Assembly | 1 | |
| 14 | 46671454 | Element, Oil Filter | 2 | |

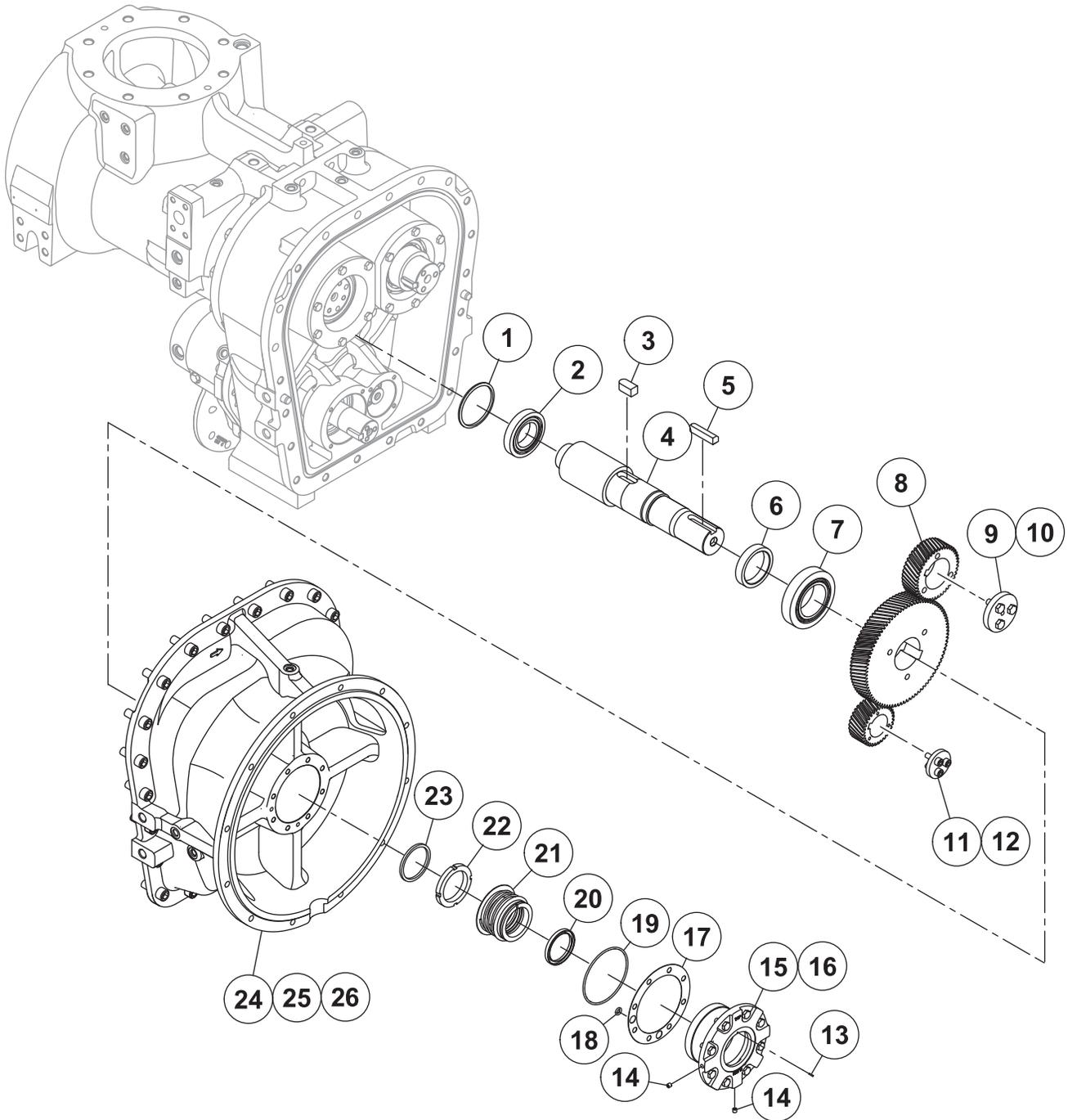
Airend Tubes and Fittings



Airend Tubes and Fittings

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------------------------|-----|------------------|
| 1 | 95365078 | Connector, -6 JIC X 9/16" -18 UNF SAE w/O-Ring | 1 | |
| 2 | 46622776 | Tube, Seal | 1 | |
| 3 | 35581909 | Elbow, -6 JIC X 9/16" -18 UNF W/Orifice Insert | 4 | |
| 4 | 95951422 | Nipple, 1" NPT X 2" | 1 | |
| 5 | 95953428 | Tee, 1" NPTF X 1" NPTF X 1" NPTF, 300 lb. | 1 | |
| 6 | 39588041 | Valve, Pressure Relief, 200 PSIG, 1" NPT | 2 | |
| 7 | 35287895 | Connector, -8 JIC X 9/16" -18 UNF SAE O-Ring | 1 | |
| 8 | 46623828 | Cover, Safety Valve, Pressure Relief | 1 | |
| 9 | 46622805 | Tube, 2nd Stage Female, Bearing Scavenger | 1 | |
| 10 | 35225093 | Clamp, Support, 1/2", Rubber Coated | 1 | |
| 11 | 36797652 | Screw, Hex, M6 -1.0 X 12 MM | 1 | |
| 12 | 35287911 | Elbow, 90°, -8 JIC X -8 JIC | 1 | |
| 13 | 35288166 | Connector, -8 JIC X 3/4" -16 UNF SAE O-Ring | 1 | |
| 14 | 46622791 | Tube, 1st Stage | 1 | |
| 15 | 35253038 | Clamp, Support, 3/8" ID | 1 | |
| 16 | 36769024 | Screw, Hex, M6 - 1.0 X 20 | 2 | |
| 17 | 95935029 | Washer, Flat, 1/4" ID | 1 | |
| 18 | 95365078 | Connector, -6 JIC X 9/16" -18 UNF SAE O-Ring | 1 | |
| 19 | 35279827 | Elbow, 90°, -6 JIC X 9/16" -18 UNF SAE O-Ring | 1 | |
| 20 | 46622780 | Tube, 2nd Stage, Discharge Bearing, Female | 4 | |
| 21 | 46622778 | Tube, Input Shaft, Rear Bearing | 1 | |
| 22 | 35296433 | Connector, -12 JIC X 3/4" -16 UNF SAE O-Ring | 1 | |
| 23 | 46622765 | Tube, Pressure Relief | 1 | |
| 24 | 95990321 | Elbow, 90°, -12 JIC X 1-5/16" -12 UNF SAE O-Ring | 1 | |
| 25 | 35279801 | Elbow, 90°, -8 JIC X 3/4" -16 UNF SAE O-Ring | 1 | |
| 26 | 46653272 | Tube, 2nd Stage, Discharge Bearing, Male | 1 | |
| 27 | 46622500 | Tube, 2nd Stage Inlet Bearing | 1 | |
| 28 | 35144328 | Screw, Hex Lock, 1/4" - 20 X 5/8" | 1 | |
| 29 | 46619276 | Bracket, Cable Clip | 1 | |
| 30 | 35144492 | Nut, Hex Nylon Insert, 1/4" - 20 | 1 | |
| 31 | 35305648 | Elbow, 90°, -10 JIC X -10 JIC Female | 1 | |
| 32 | 46622743 | Tube, 2nd Stage Male, Bearing | 1 | |
| 33 | 35286954 | Connector, -10 JIC X 7/8" -14 UNF SAE O-Ring | 1 | |
| 34 | 95303376 | Connector, -10 JIC X 7/8" -14 UNF SAE O-Ring | 1 | |

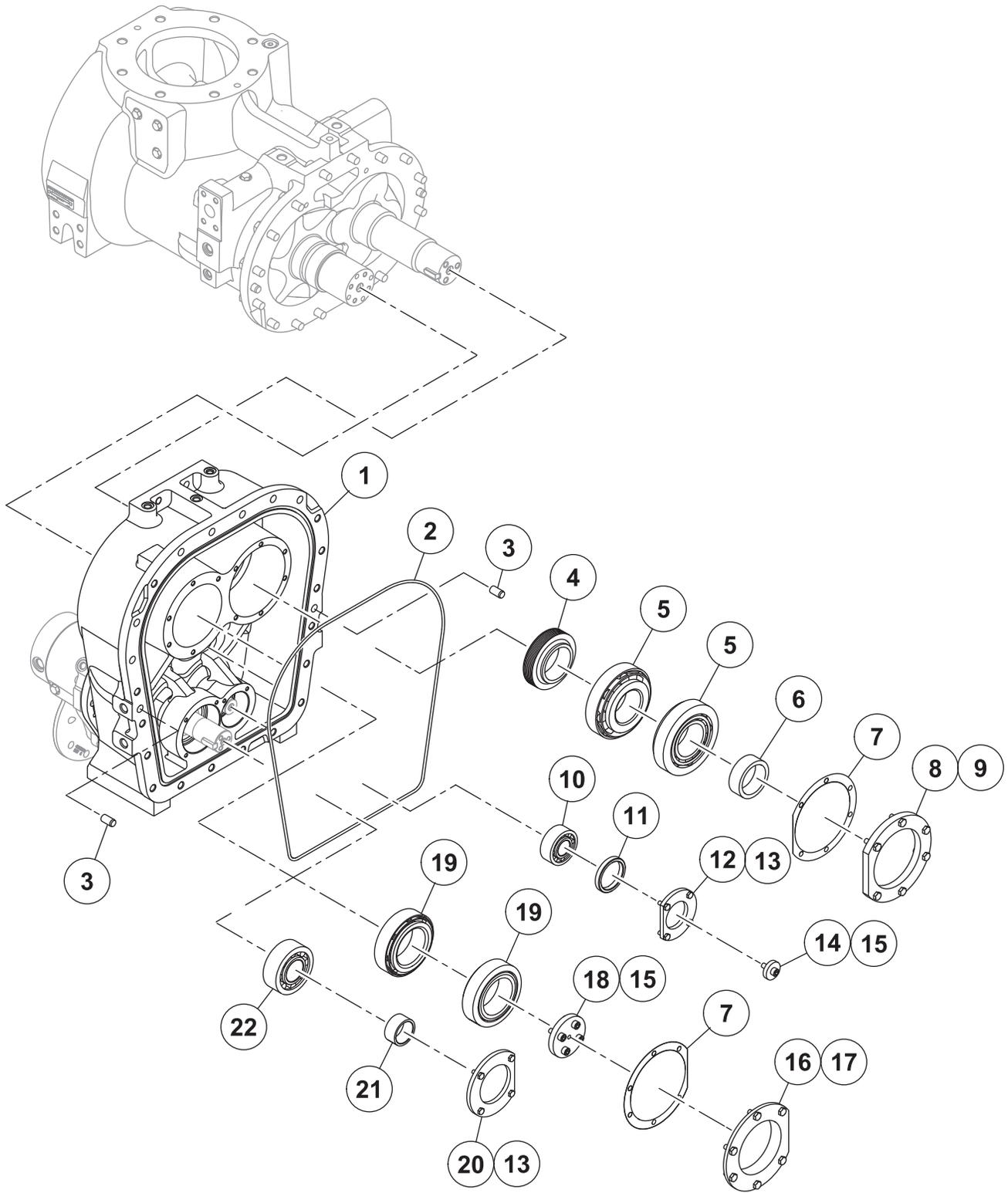
Airend Gear Case



Airend Gear Case

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------------------------|-----|------------------|
| 1 | 46548301 | Spacer, Bearing Input | 1 | |
| 2 | 46619275 | Bearing, TRB 55 X 100 X23 | 1 | |
| 3 | 46619270 | Key, 19 X 19 X 40 | 1 | |
| 4 | 46548236 | Shaft, Input, HR350 | 1 | |
| 5 | 46619272 | Key, 16 X 16 X 70 | 1 | |
| 6 | 46548269 | Spacer, Gear, Input | 1 | |
| 7 | 46619274 | Bearing, TRB, 71.438 X 127 X 36.512 | 1 | |
| 8 | 46623440 | Gear Set, HR350, 83/48/36 | 1 | |
| 9 | 46548228 | Plate, Clamp | 1 | |
| 10 | 96712187 | Screw, Hex, M12 -1.75 X 30 | 1 | |
| 11 | 46548285 | Plate, Clamp, 2 Stage Male | 1 | |
| 12 | 35311463 | Screw, Hex, Socket, M10 - 1.5 X 30 | 3 | |
| 13 | 95533469 | Pin, 0.101" X 0.438" | 1 | |
| 14 | 46610699 | Plug, Expansion, 8MM Dia. X 34 MM | 2 | |
| 15 | 46623999 | Seal, Housing, HR350 | 1 | |
| 16 | 96702295 | Screw, Hex, M10 - 1.5 X 25 | 8 | |
| 17 | 46619400 | Shim Set, 129 X 176 | 1 | |
| 18 | 46555839 | O-Ring, Viton 2-204 Standard, 3/8" ID X 1/8" | 2 | |
| 19 | 46619271 | O-Ring, Viton -248 Standard, 4-3/4" ID X 1/8" | 1 | |
| 20 | 46619401 | Seal, Lip, 63.5 X 77.5 X 8 | 1 | |
| 21 | 46619402 | Seal, Shaft, Input, 98.425 Dia | 1 | |
| 22 | 46619273 | Nut, Lock, M70 X 2 X 12 | 1 | |
| 23 | 46548244 | Spacer, Bearing | 1 | |
| 24 | 46606179 | Housing, Gearcase, HR350 | 1 | |
| 25 | 96708391 | Screw, Hex, Socket, M16 -2.0 X 45 | 22 | |
| 26 | 46622860 | Cover, Hand Guard | 2 | |

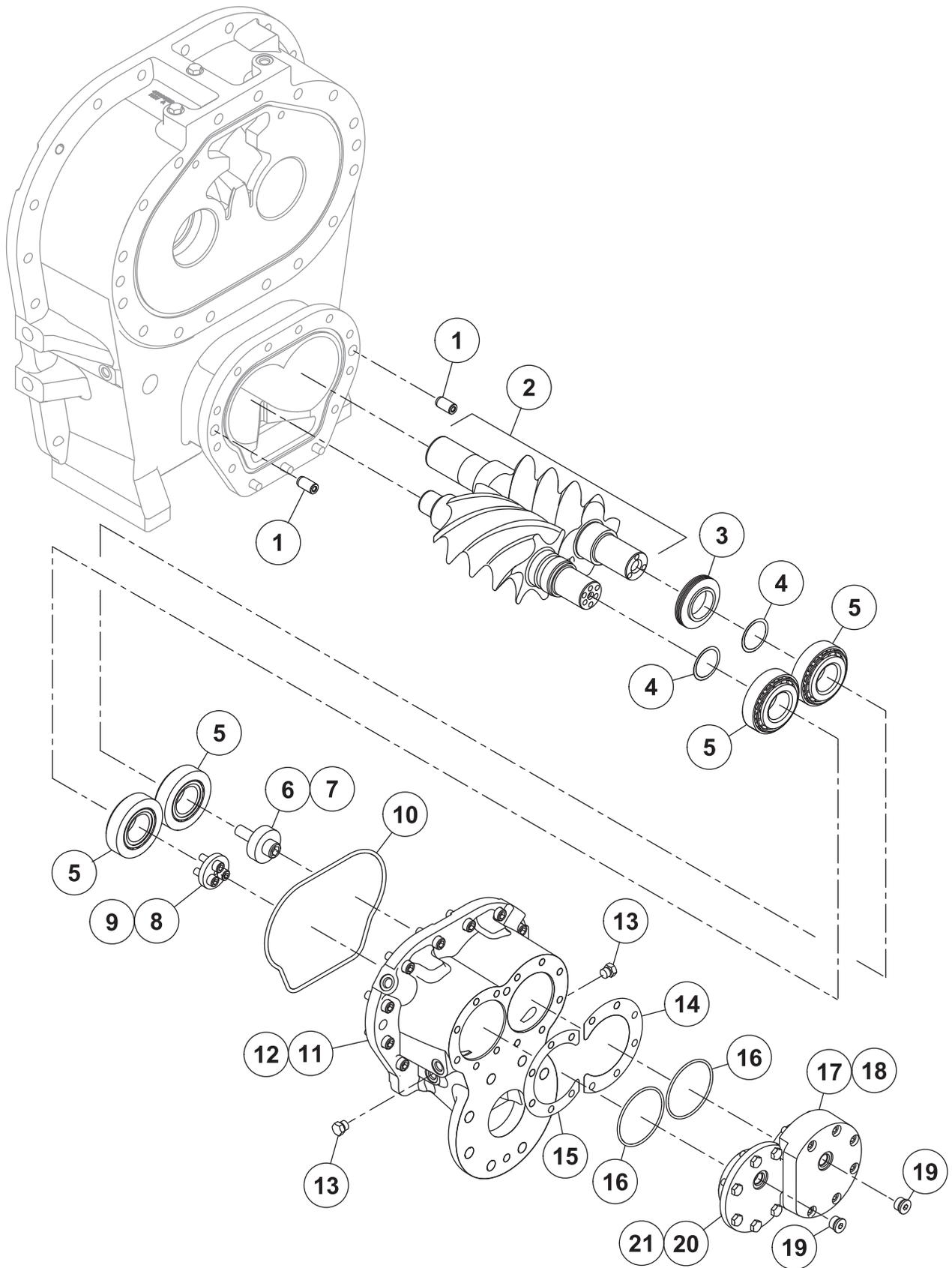
Airend Interstage Bearings and Caps



Airend Interstage Bearings and Caps

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------------------------------|-----|------------------|
| 1 | 46606181 | Housing, Interstage, Machined, HR350 | 1 | |
| 2 | 46619403 | O-Ring, 73.73 ID X .125 WD Viton w/Splice | 1 | |
| 3 | 46618986 | Pin, Dowel, 16 MM DIA X 32 MM | 2 | |
| 4 | 46548467 | Piston, Thrust, MR1 | 1 | |
| 5 | 46619412 | Bearing, TRB, 76 X 162 X 49.5 (9220/9285) | 2 | |
| 6 | 46548277 | Spacer, Gear, 1st Stage | 1 | |
| 7 | 46619411 | Shim Set, 162 X 200 | 2 | |
| 8 | 46548459 | Retainer, Bearing, 1st Stage, Male | 1 | |
| 9 | 96701487 | Screw, Hex, M10 -1.5 X 30 | 6 | |
| 10 | 46619277 | Bearing, CRB, 35 X 80 X 31 (NU2307) | 1 | |
| 11 | 46548327 | Spacer, Bearing, 2nd Stage, Female | 1 | |
| 12 | 46548368 | Retainer, Bearing, 2nd Stage, Female | 1 | |
| 13 | 35273408 | Screw, Hex, M8 -1.25 X 20 | 8 | |
| 14 | 46548376 | Plate, Inlet Clamp, 2nd Stage, Female | 1 | |
| 15 | 35311463 | Screw, Hex, Socket, M10 - 1.5 X 30 | 4 | |
| 16 | 46548434 | Retainer, Bearing, Outer HR350 | 1 | |
| 17 | 96716139 | Screw, Hex, Socket, M10 - 1.5 X 20 | 6 | |
| 18 | 46548442 | Plate, Clamp, 1st Stage, Female | 1 | |
| 19 | 46619410 | Bearing, TRB, 86 X 142 X 43 (HM617010/ HM617049) | 2 | |
| 20 | 46548350 | Retainer, Bearing, 2nd Stage, Male | 1 | |
| 21 | 46548293 | Spacer, Gear, 2nd Stage | 1 | |
| 22 | 46619404 | Bearing, CRB, 50 X 110 X 40 (NU2310) | 1 | |

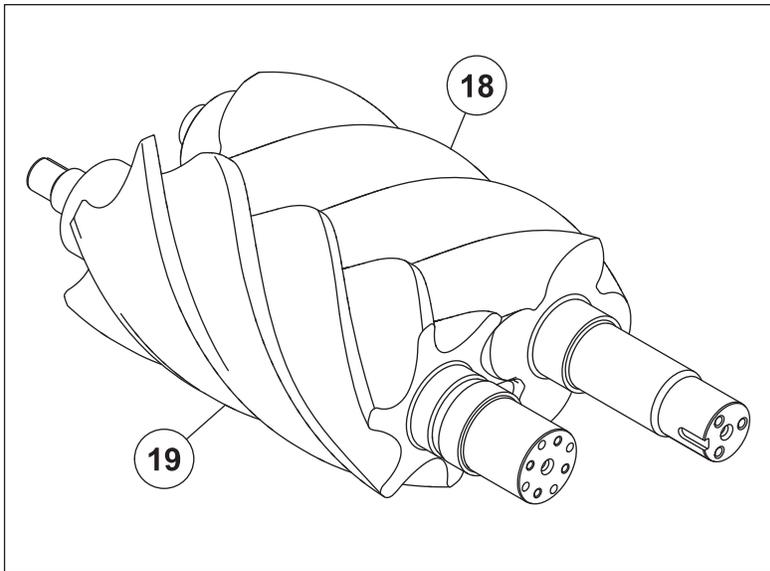
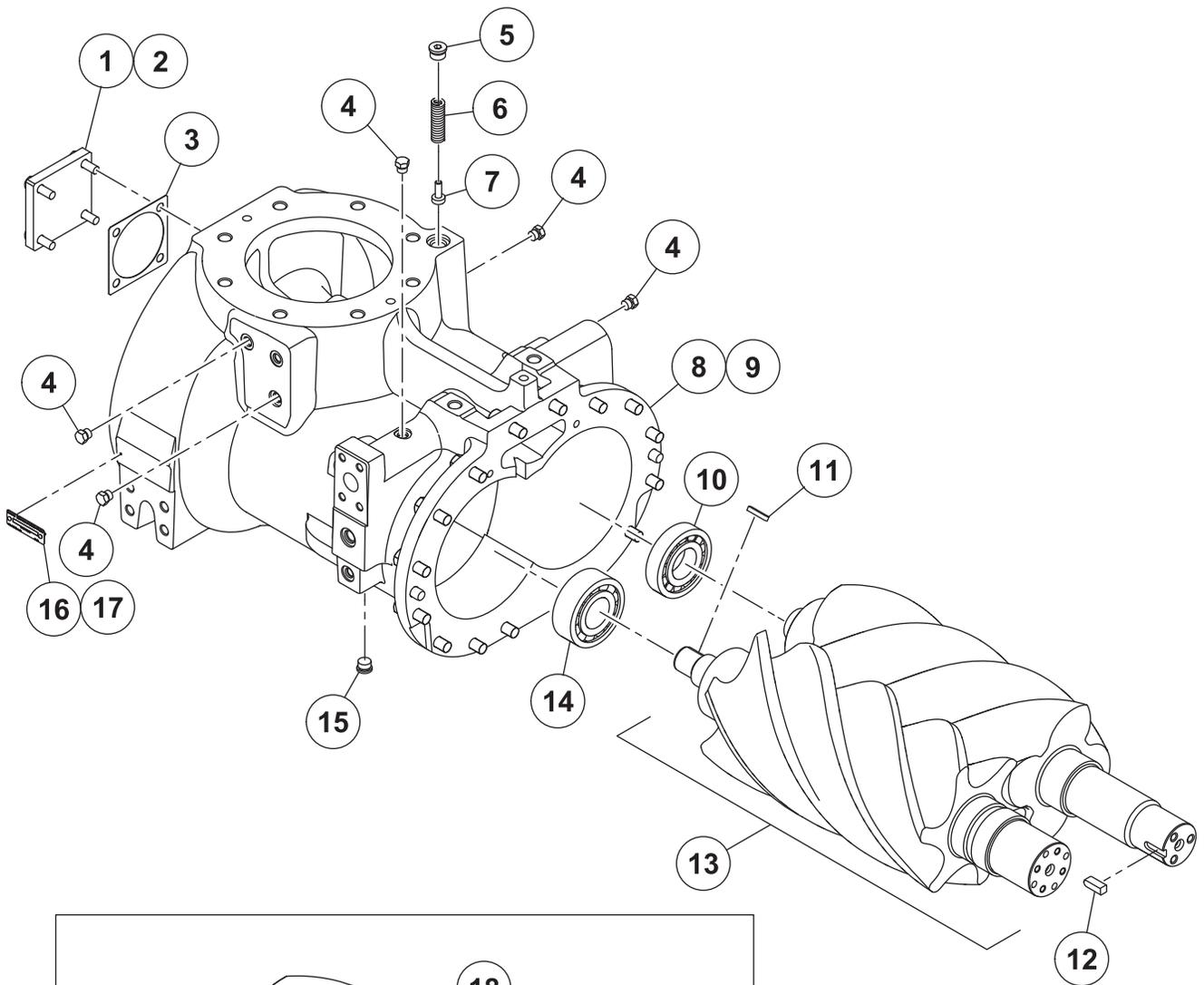
Airend 2nd Stage Rotors



Airend 2nd Stage Rotors

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------------------------------|-----|------------------|
| 1 | 46618986 | Pin, Dowel 16 MM Dia. X 32 MM | 2 | |
| 2 | 46609165 | Rotor Set, 2nd Stage, HR350 | 1 | |
| 3 | 46548384 | Piston, Thrust, MR2 | 1 | |
| 4 | 46619405 | Shim Set, 44.6 X 54 | 2 | |
| 5 | 46619278 | Bearing, TRB, 44.5 X 95.2 X 31 (HM903210/ HM903249) | 4 | |
| 6 | 46548392 | Retainer, Bearing, Male, 2nd Stage | 1 | |
| 7 | 96725130 | Screw, Hex, Socket, M16 -2.0 X 60 | 1 | |
| 8 | 46548426 | Plate, Clamp, Female, 2nd Stage | 1 | |
| 9 | 35311463 | Screw, Hex, Socket, M10 -1.5 X 30 | 3 | |
| 10 | 46620820 | O-Ring, 9.00 ID X .188, Viton 2-373 Standard | 1 | |
| 11 | 46611859 | Housing, Discharge, Machined, HR350 | 1 | |
| 12 | 96742465 | Screw, Hex, Socket, M12 -1.75 X 35 | 10 | |
| 13 | 95938205 | Plug, Hex, Socket, 9/16" -18 UNF SAE, O-Ring | 2 | |
| 14 | 46619406 | Shim Set, 98 X 152 | 1 | |
| 15 | 46619408 | Shim Set, 98 X 140 | 1 | |
| 16 | 95026290 | O-Ring, 3.484 ID X .139, Viton -238 Standard | 2 | |
| 17 | 46621443 | Cover, Bearing, Machining, HR350 | 1 | |
| 18 | 39125000 | Screw, Hex, Socket, M10 - 1.5 X 45 | 6 | |
| 19 | 39101449 | Plug, Hex, Socket, 3/4" -16 UNF SAE, O-Ring | 2 | |
| 20 | 46548335 | Cover, Bearing, Machining, HR350 | 1 | |
| 21 | 96702295 | Screw, Hex, M10 - 1.5 X 25 | 6 | |

Airend 1st Stage Rotors

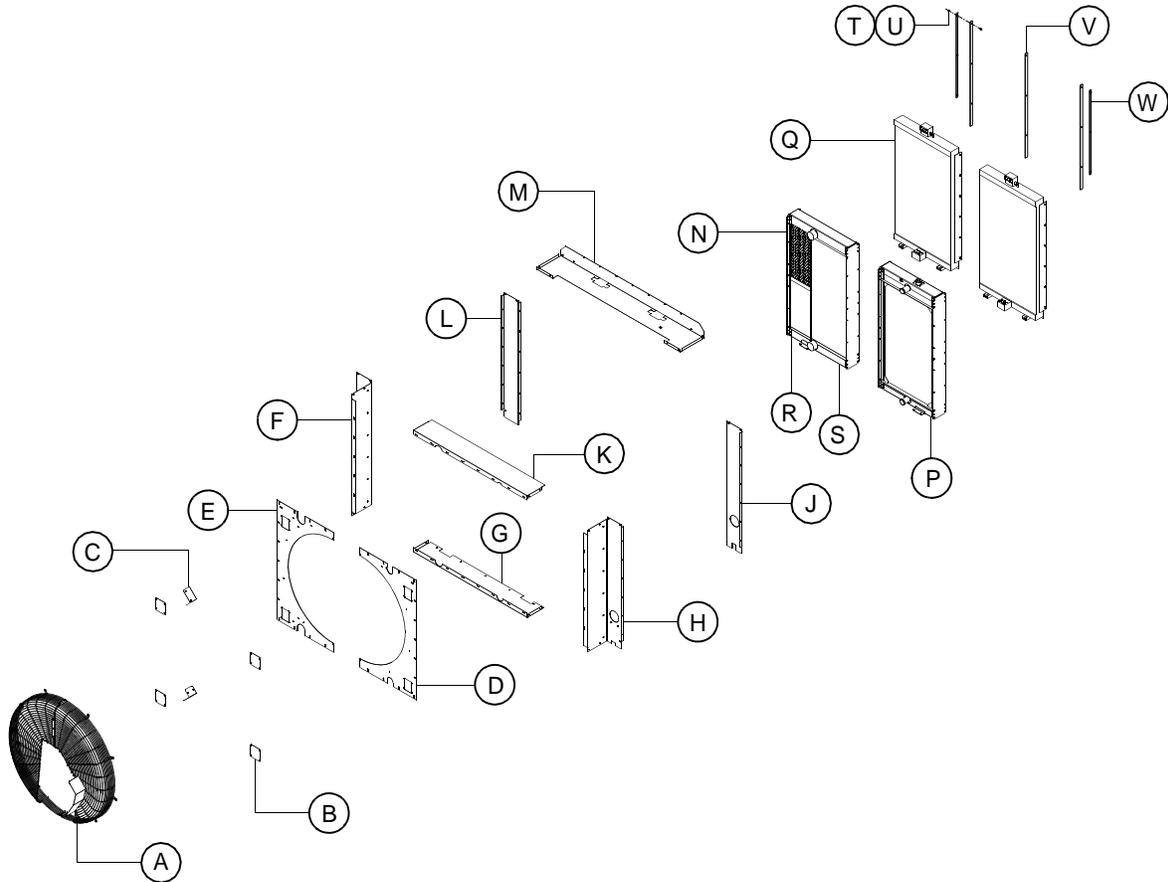


DETAIL 1

Airend 1st Stage Rotors

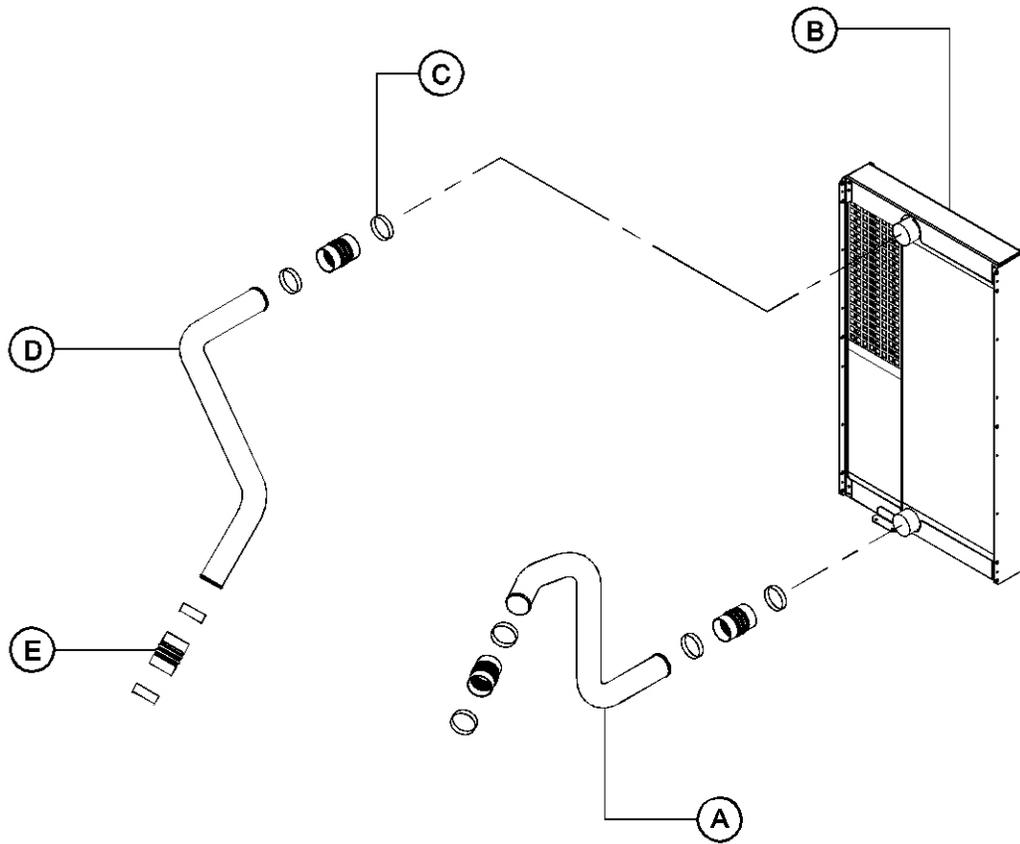
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------------------|-----|------------------|
| 1 | 46548418 | Cover, Bearing, HR350 | 1 | |
| 2 | 96706080 | Screw, Hex, M12 - 1.75 X 40 | 4 | |
| 3 | 46619407 | Gasket, Bearing Cover, HR350 | 1 | |
| 4 | 95938205 | Plug, Hex, 9/16" -18 UNF SAE, O-Ring | 5 | |
| 5 | 36861557 | Plug, Hex, Socket, 7/8" -14 UNF SAE, O-Ring | 1 | |
| 6 | 46620821 | Spring, Bypass Valve | 1 | |
| 7 | 46548319 | Piston, By-Pass Valve | 1 | |
| 8 | 46599760 | Housing, Rotor, Machining, HR350 | 1 | |
| 9 | 96706262 | Screw, Hex, M16 -2.0 X 45 | 16 | |
| 10 | 46555865 | Bearing, CRB, 50 X 110 X 27 (NJ310) | 1 | |
| 11 | 95340428 | Key, 1/4" X 1-1/2" | 1 | |
| 12 | 46619239 | Key, 12.7 X 12.7 X 35 | 1 | |
| 13 | 46609161 | Rotor Set, 1st Stage, HR350 | 1 | |
| 14 | 46622779 | Bearing, CRB, 50 X 110 X 40 (NJ2310) | 1 | |
| 15 | 39101449 | Plug, Hex, Socket, 3/4" -16 UNF SAE, O-Ring | 1 | |
| 16 | 46607979 | Plate, Serial Number | 1 | |
| 17 | 46626304 | Rivet, Drive Screw, 3.56 Dia. X 9.5 | 2 | |
| 18 | 46609159 | Rotor, 1st Stage, Male, HR350 | 1 | |
| 19 | 46609160 | Rotor, 1st Stage, Female, HR350 | 1 | |

Radiator and Oil Cooler



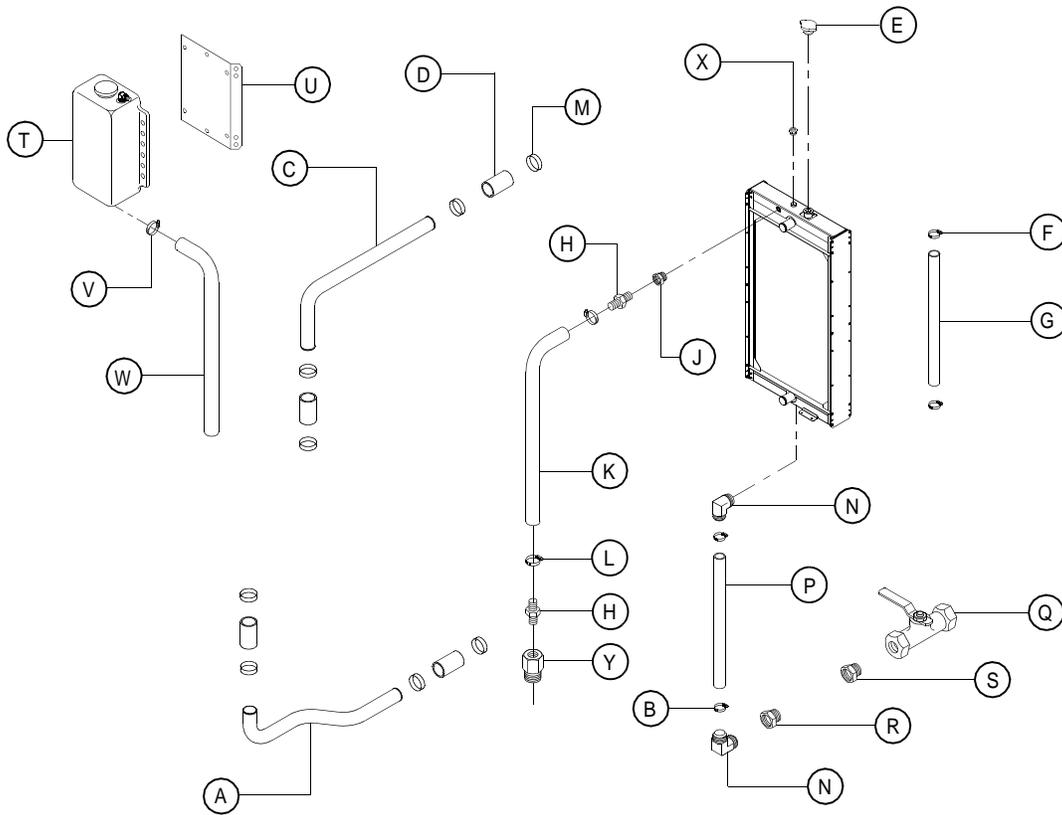
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------|-----|------------------|
| A | 54747373 | Fan Guard Assembly | 1 | |
| B | 54661426 | Plate, Cover | 4 | |
| C | 54661459 | Bracket | 2 | |
| D | 54507488 | Orifice, L.H. Fan | 1 | |
| E | 54507470 | Orifice, R.H. Fan | 1 | |
| F | 54669114 | Support, R.H. Shroud | 1 | |
| G | 54669098 | Support, Bottom Shroud | 1 | |
| H | 22098958 | Support, L.H. Shroud | 1 | |
| J | 22098941 | Support, L.H. Rear Shroud | 1 | |
| K | 54669106 | Support, Top Shroud | 1 | |
| L | 22496277 | Support, R.H. Rear Shroud | 1 | |
| M | 22495311 | Support, Top Rear Shroud | 1 | |
| N | 54501846 | Cooler, A/C Fuel Assembly | 1 | Includes R & S |
| P | 22767453 | Radiator | 1 | |
| Q | 54627161 | Cooler, Oil | 2 | |
| R | 22247399 | Cooler, Fuel | 1 | |
| S | 22247407 | Cooler, Charger Air | 1 | |
| T | 36881886 | Nut | 9 | |
| U | 96748033 | Screw | 9 | |
| V | 22494298 | Isolater | 3 | |
| W | 22498299 | Spacer | 2 | |

Charge Air Piping



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------|-----|------------------|
| A | 54639976 | Tube, Charge Air Inlet | 1 | |
| B | 22247407 | Cooler, Charge Air | 1 | |
| C | 54444427 | Clamp | 8 | |
| D | 22716906 | Tube, Charge Air Upper | 1 | |
| E | 54422522 | Hose, Ribbed | 4 | |

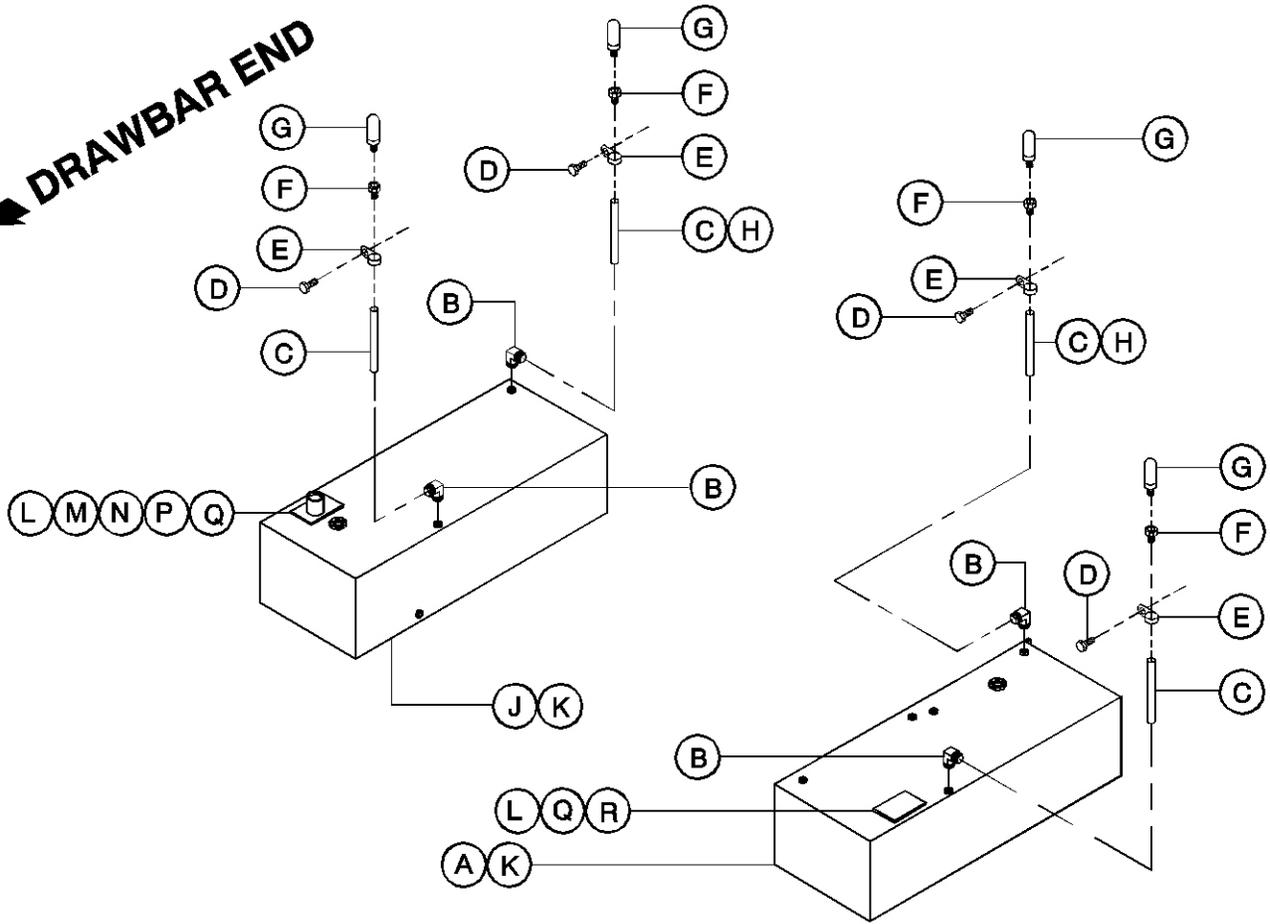
Radiator Piping



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------|-----|------------------|
| A | 54642350 | Tube, Inlet Radiator | 1 | |
| B | 95220844 | Clamp | 2 | |
| C | 54642343 | Tube, Outlet Radiator | 1 | |
| D | 23075302 | Hose, Connector | 4 | |
| E | 22078190 | Cap, Radiator | 1 | |
| F | 95235131 | Clamp | 2 | |
| G | 35135458 | Hose, By-Pass (55 Inches) | 1 | |
| H | 35310598 | Fitting, Barbed | 1 | |
| J | 43212216 | Adapter | 1 | |
| K | 35285600 | Hose, Vent (52 Inches) | 1 | |
| L | 95264776 | Clamp | 2 | |
| M | 35330703 | Clamp | 8 | |
| N | 35366651 | Elbow | 1 | |
| P | 35326578 | Hose, Drain (110 Inches) | 1 | |
| Q | 35576115 | Valve, Ball | 1 | |
| R | 95953949 | Adapter | 1 | |
| S | 35326560 | Adapter | 1 | |
| T | 36845600 | Bottle, Overflow | 1 | |
| U | 22524508 | Bracket | 1 | |
| V | 35253038 | Clamp | 2 | |
| W | 35360775 | Tubing (50 Inches) | 1 | |
| X | 22102339 | Switch, Level | 1 | |
| Y | 35316348 | Adapter | 1 | |

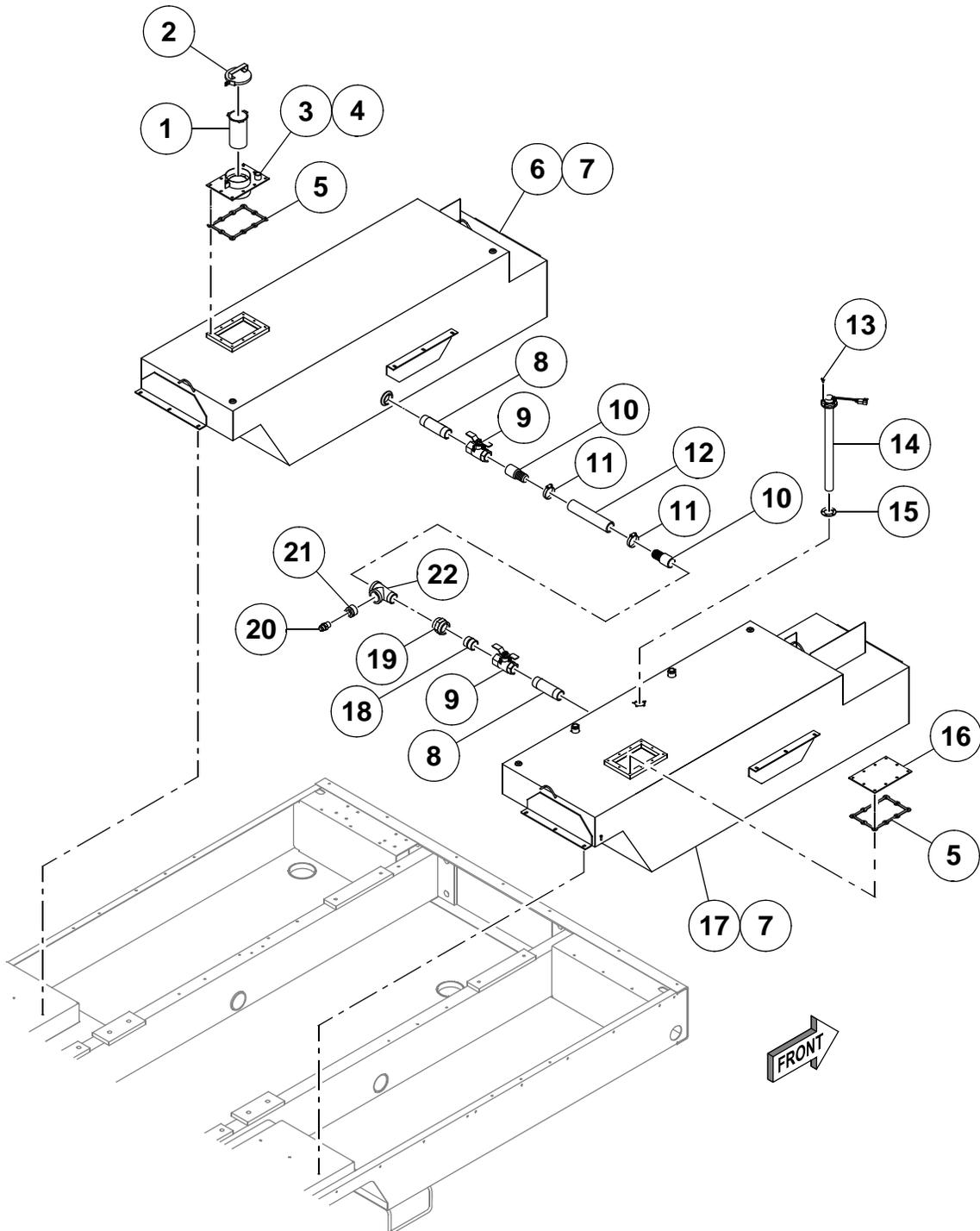
Tank Vent Piping

← DRAWBAR END



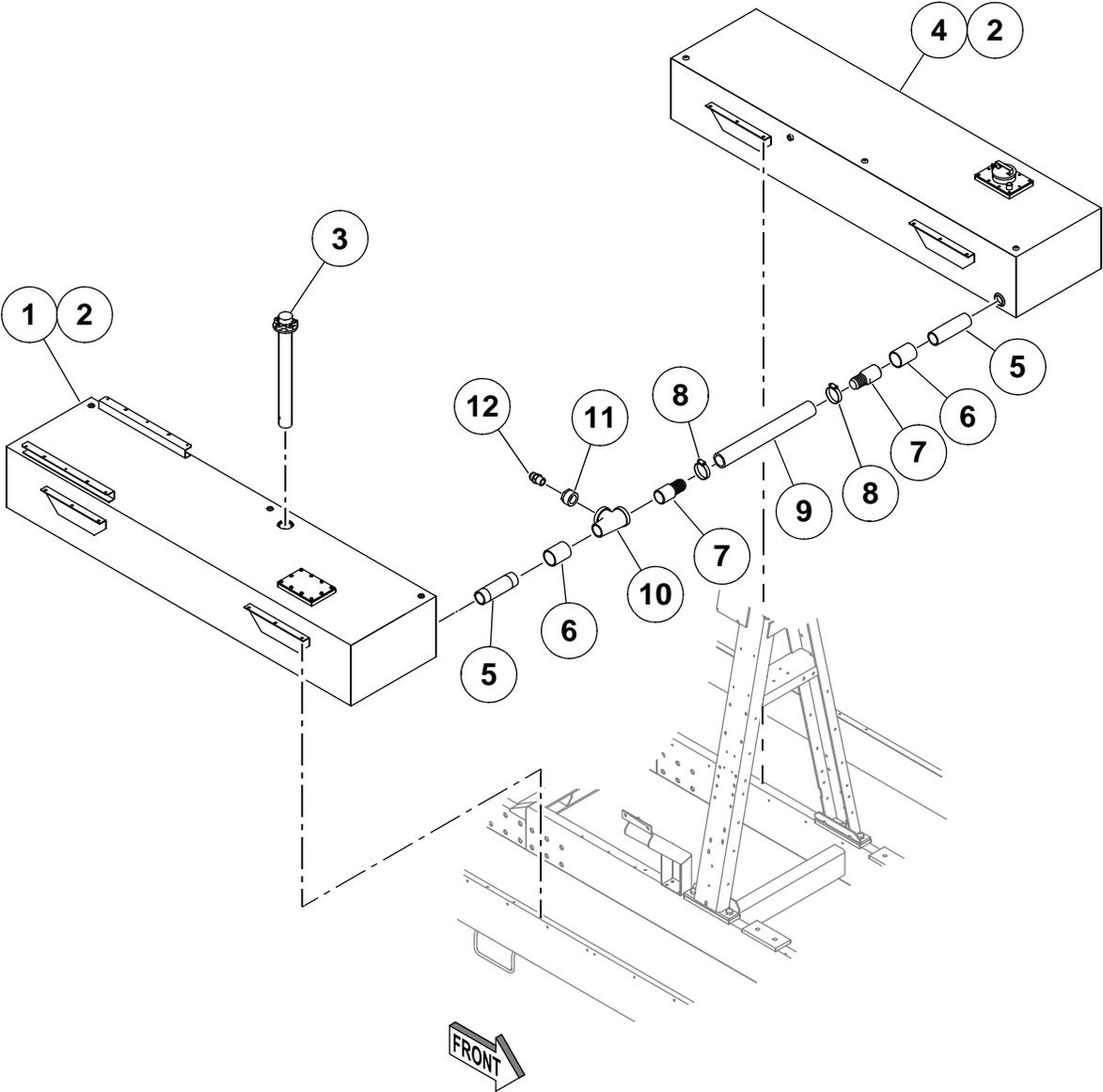
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------|-----|------------------|
| A | 46554913 | Tank, Fuel, HSRG - RH | 1 | |
| | 22699219 | Tank, Fuel, STRG - RH | 1 | |
| B | 46554914 | Tank, Fuel, HSRG - LH | 1 | |
| | 54594106 | Tank, Fuel, STRG - LH | 1 | |
| C | 35356484 | Tubing, (18 Inches) | 4 | |
| D | 92368687 | Screw | 4 | |
| E | 35253038 | Clamp | 4 | |
| F | 35369339 | Reducer | 1 | |
| G | 35322395 | Silencer | 1 | |
| H | 35369354 | Elbow | 1 | |

Fuel Tanks - HSRG



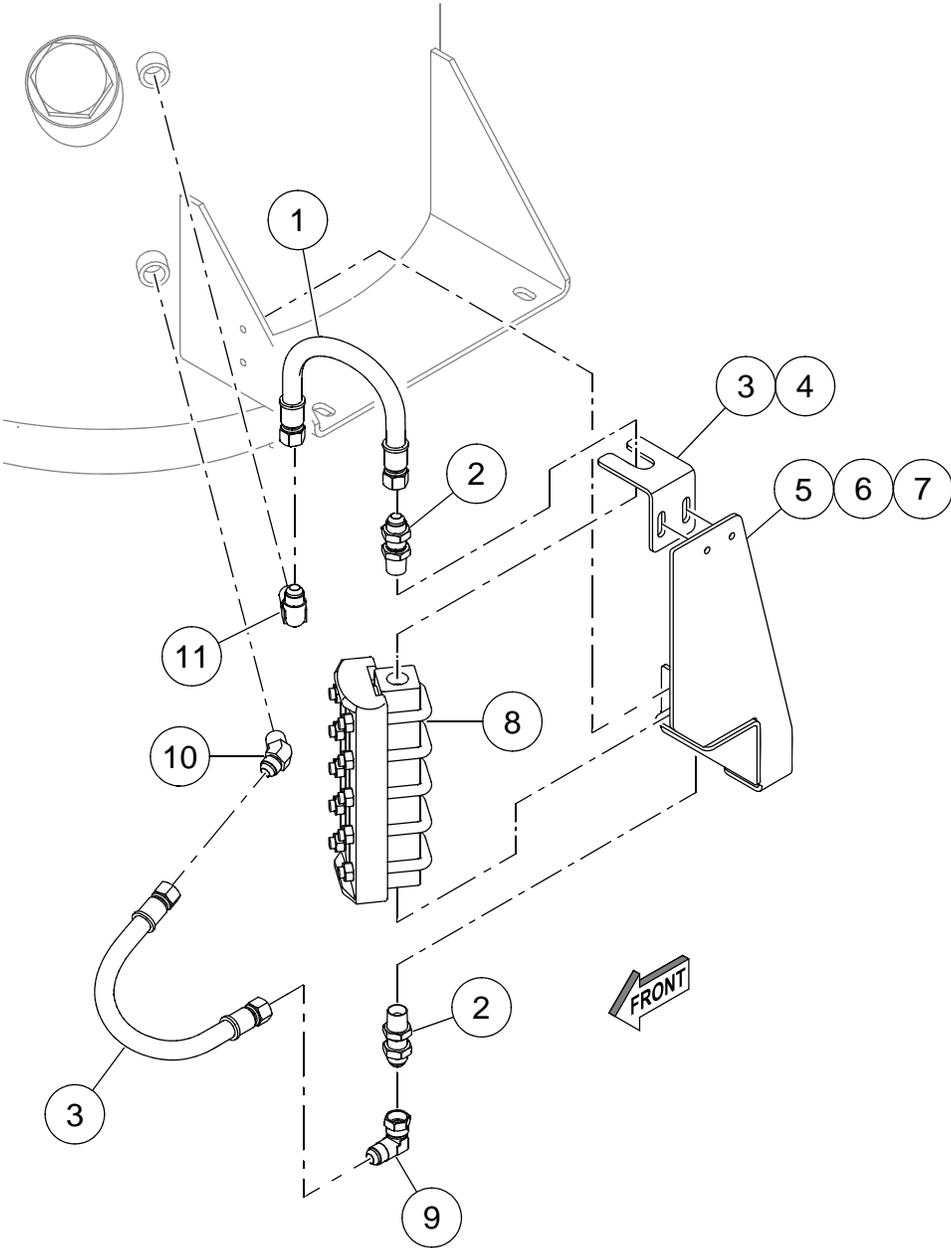
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------------|-----|------------------|
| 1 | 36845022 | Strainer, Fuel Tank | 1 | |
| 2 | 36845014 | Cap, Fuel Filler | 1 | |
| 3 | 23148737 | Cover, Fuel Fill | 1 | |
| 4 | 35252451 | Screw, Hex Flange 1/4" - 20 X 1" | 20 | |
| 5 | 35389964 | Gasket, Cover | 2 | |
| 6 | 46554914 | Tank, HSRG LH Fuel | 1 | |
| 7 | 35279025 | Screw, Tapping M08 - 1.25 X 20 | 24 | |
| 8 | 95953535 | Nipple, Pipe Long 1-1/2" NPT X 6" | 2 | |
| 9 | 36870780 | Valve, Ball 1-1/2" NPT Tee Handle | 2 | |
| 10 | 54762190 | Fitting, Barbed 1-1/2" NPT X 2" Hose | 2 | |
| 11 | 35221662 | Clamp, Worm Gear 1-5/16" - 2-1/4" | 2 | |
| 12 | 46645703 | Hose, Fuel 1-1/2" ID X 16" | 1 | |
| 13 | 36842102 | Screw, Hex #10 - 32 X 1" | 5 | |
| 14 | 46565979 | Sensor, Fuel Level | 1 | |
| 15 | 35361849 | Gasket, Fuel Level Sender | 1 | |
| 16 | 35111855 | Cover, Fuel Tank Cleanout | 1 | |
| 17 | 46554913 | Tank, HSRG RH Fuel | 1 | |
| 18 | 95487773 | Nipple, Close 1-1/2" NPT X 1-3/4" | 1 | |
| 19 | 95592283 | Union, Female 1-1/2" NPT | 1 | |
| 20 | 95219747 | Connector, -12 JIC X 3/4" NPT | 1 | |
| 21 | 95953873 | Bushing | 1 | |
| 22 | 95954285 | Tee, Street, 1-1/2" NPT | 1 | |

Fuel Tanks - STRG



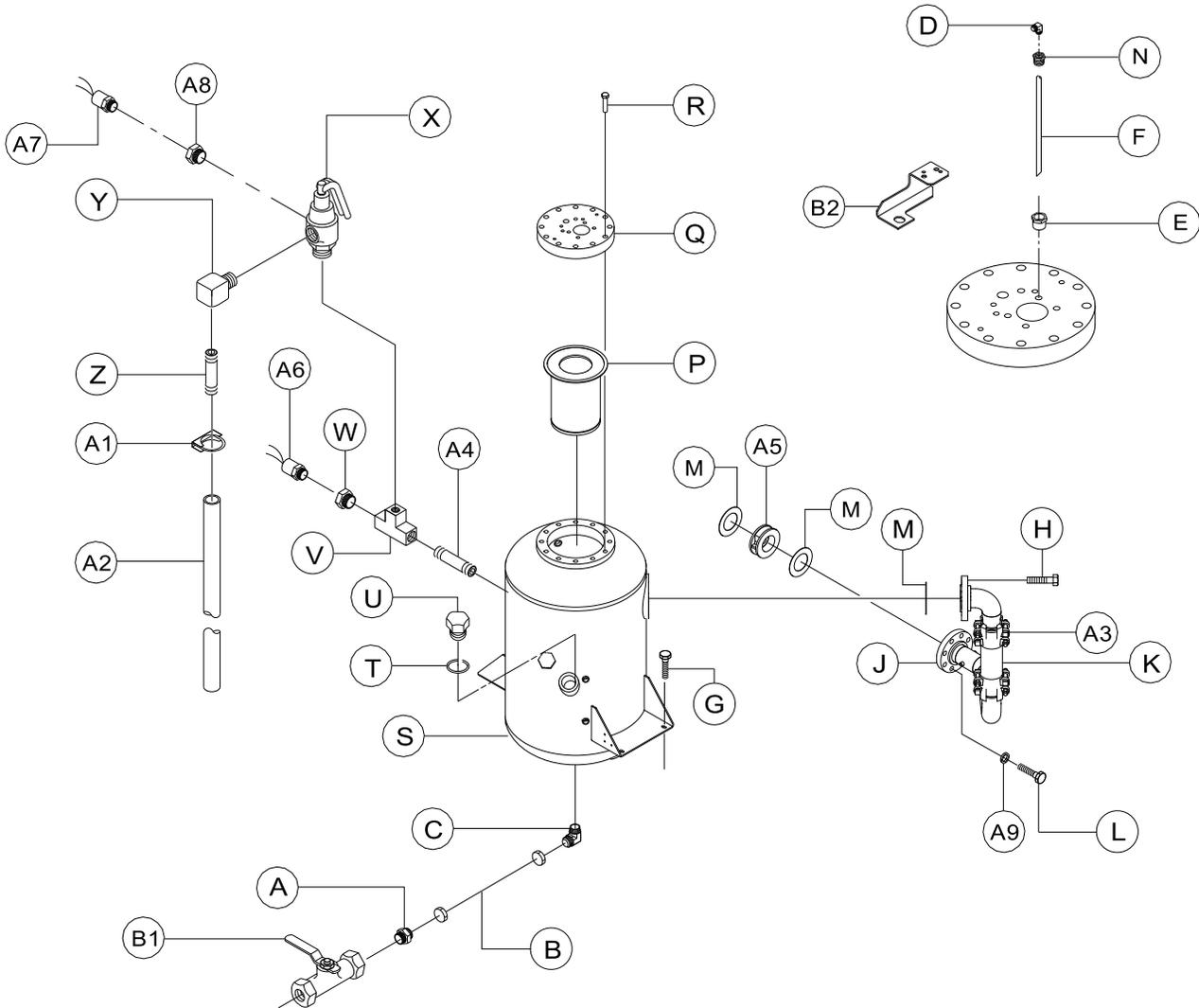
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------------|-----|------------------|
| 1 | 22699219 | Tank, Fuel STRG-RH | 1 | |
| 2 | 35279025 | Screw, Hex M08 - 1-1/4" X 2 0 | 24 | |
| 3 | 54672811 | Sender, Fuel level 13-1/2" | 1 | |
| 4 | 54594106 | Tank, Fuel STRG-LH | 1 | |
| 5 | 95953535 | Nipple, 1-1/2" NPT X 6" | 2 | |
| 6 | 95937454 | Coupling, 1-1/2" X 2-3/4" | 2 | |
| 7 | 54762190 | Fitting, Barbed 1-1/2" NPT X 2" Hose | 2 | |
| 8 | 35221662 | Clamp, Hose 1-5/16" - 2-1/4" | 2 | |
| 9 | 23013493 | Hose, Fuel 1-1/2" ID X 15-1/2" | 1 | |
| 10 | 95954285 | Tee, Straight 1-1/2" NPT | 8 | |
| 11 | 95953873 | Bushing, Reducing 1-1/2" X 3/4" | 1 | |
| 12 | 95219747 | Connector, -12 JIC X 3/4" NPT | 1 | |

Separator Tank - Sight Glass



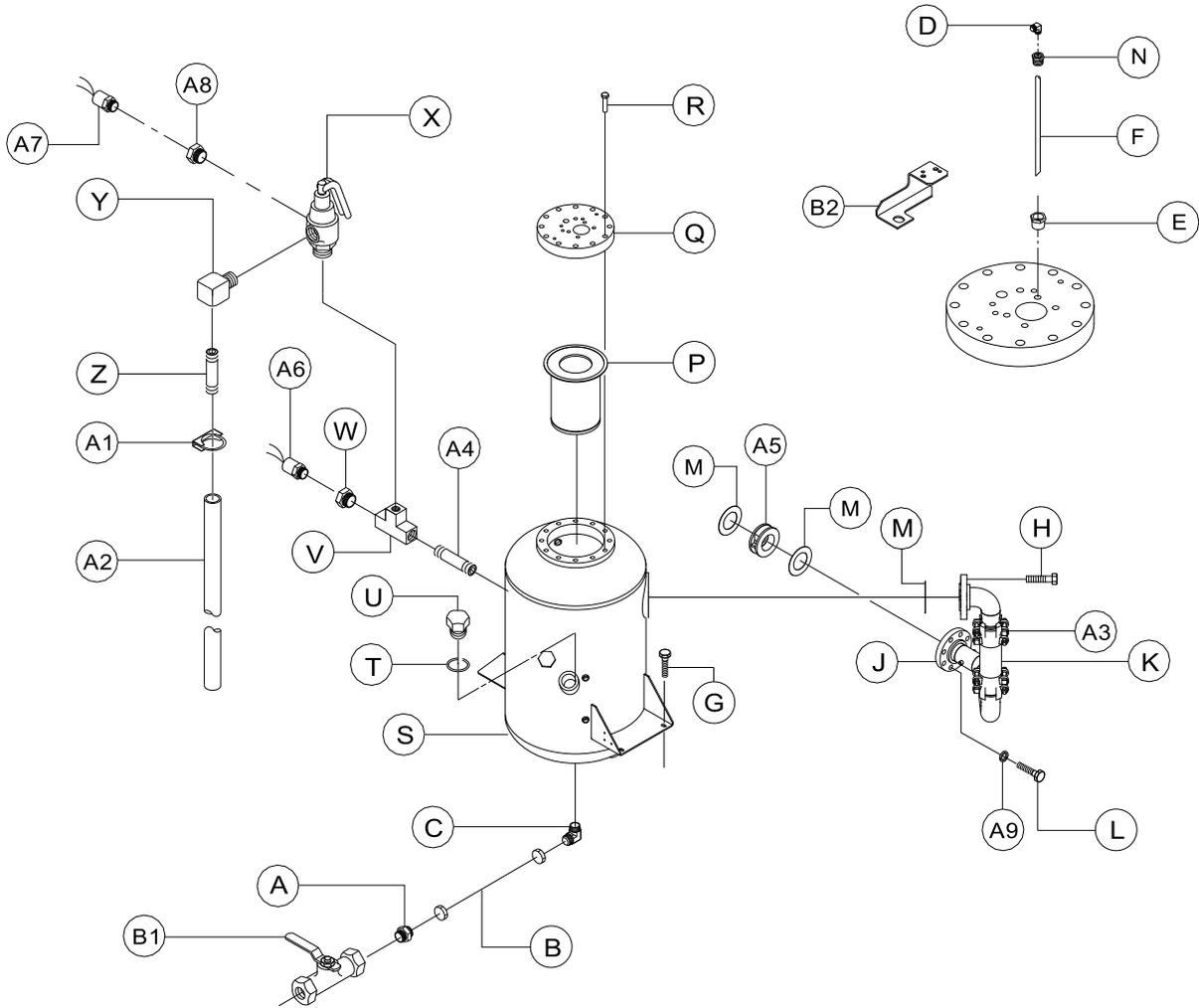
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|------------|---------------------------------------|-----|------------------|
| 1 | 46620082 | Hose, -8 JIC X 381mm | 2 | |
| 2 | 46620860 | Connector, -8 JIC X 1/2" NPT Bulkhead | 2 | |
| 3 | 46649981SA | Bracket, Top Sight Glass | 1 | |
| 4 | 35279025 | Screw, Tapping, M08 - 1.25 X 20 | 2 | |
| 5 | 46649240SA | Bracket, Sight Glass | 1 | |
| 6 | 96741962 | Screw, M08 - 1.25 X 25 | 3 | |
| 7 | 36881886 | Nut, Flange M08 - 1.25 | 3 | |
| 8 | 46615739 | Sight Glass Assembly | 1 | |
| 9 | 46620880 | Elbow, 90° -8 JIC X -8 JIC | 1 | |
| 10 | 46619643 | Elbow, 45° -8 JIC X 1/2" NPT | 1 | |
| 11 | 46620859 | Elbow, 90° 1/2" NPT X 1/2" Tube | 1 | |

Separator Tank Assembly



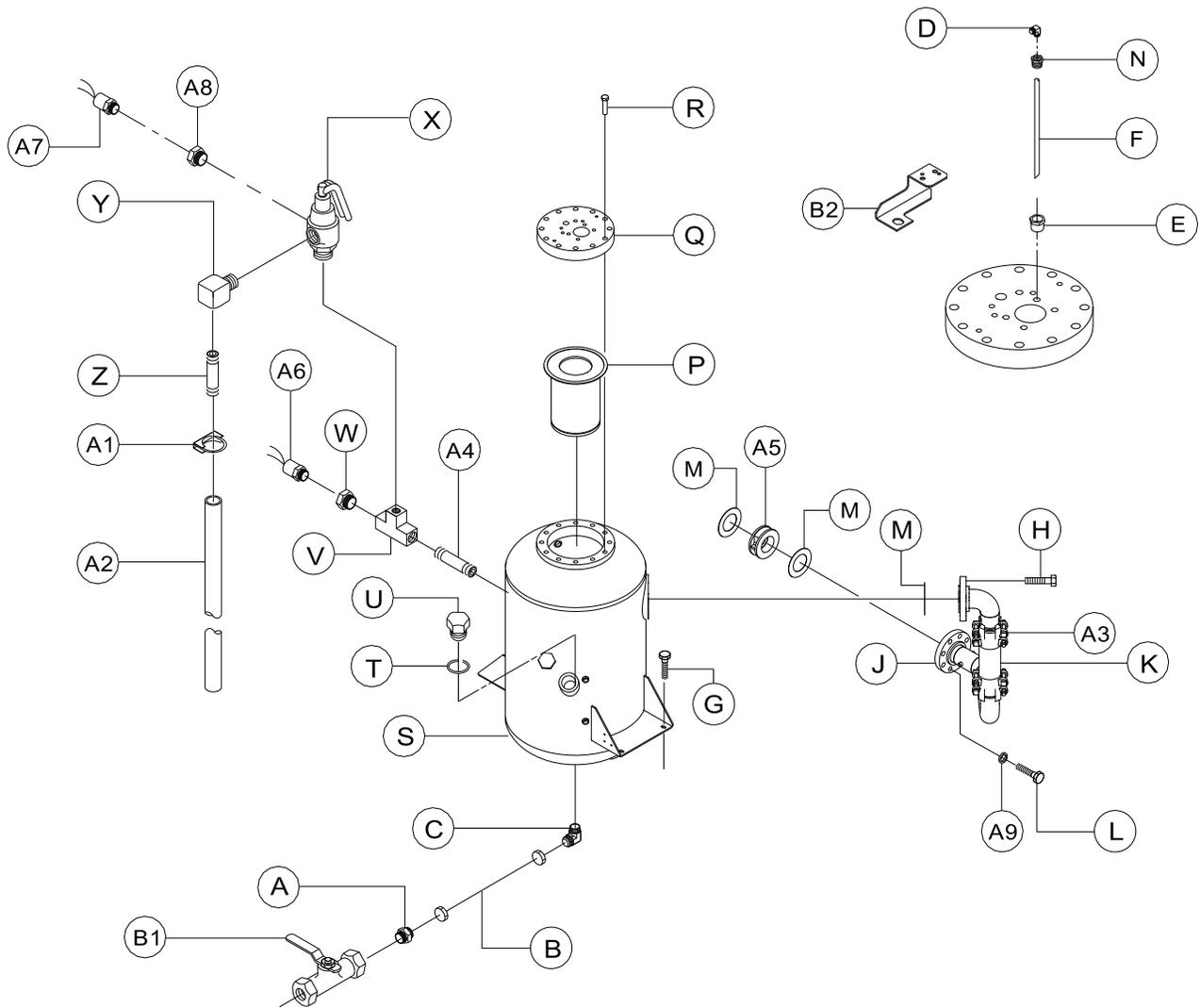
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------|-----|----------------------|
| A | 95219747 | Connector | 1 | |
| B | 36878254 | Hose Assembly | 1 | |
| C | 35294750 | Elbow | 1 | |
| D | 35283464 | Elbow | 1 | |
| E | 35329309 | Fitting, Tube | 1 | |
| F | 35593201 | Tube, Scavenge | 1 | |
| G | 36879492 | Screw | 4 | |
| H | 95934386 | Screw | 8 | |
| J | 46673925 | Discharge Hose Assembly | 1 | |
| K | 46570920 | Discharge Hose | 1 | |
| L | 96705504 | Screw | 8 | |
| M | 95225116 | Gasket | 3 | |
| N | 37081528 | Orifice, 0.063" | 1 | |
| P | 46555952 | Element, Separator | 1 | |
| Q | 54629159 | Cover, Tank | 1 | |
| R | 46623162 | Screw | 12 | Continued.... |

Separator Tank Assembly



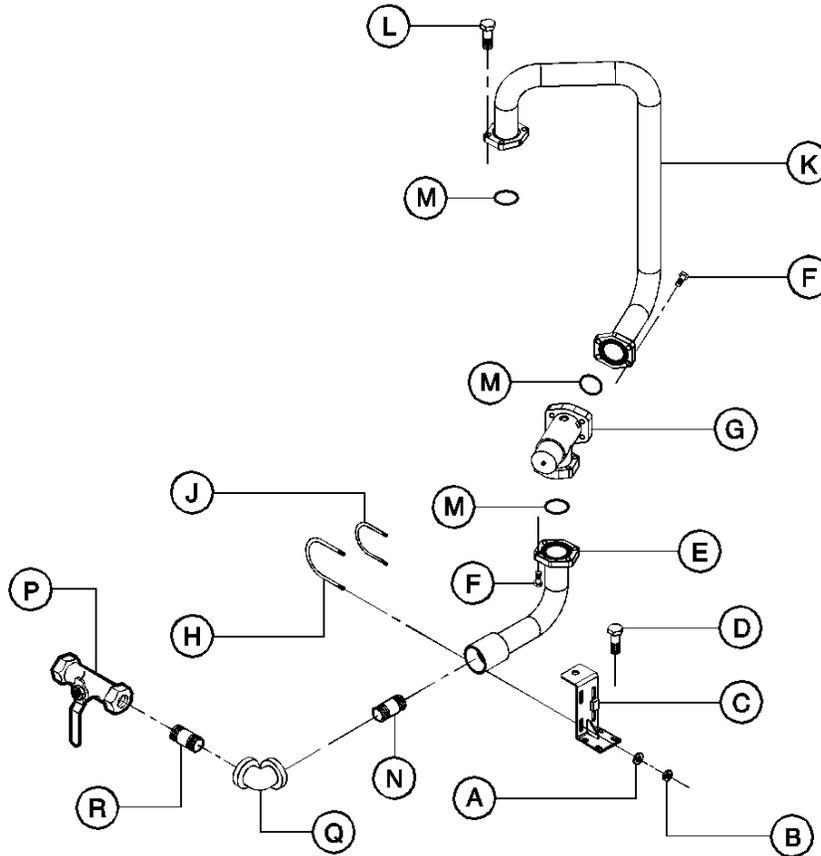
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------|-----|-----------------------|
| S | 54629134 | Tank, Separator | 1 |Continued |
| T | 35277797 | O-Ring | 1 | |
| U | 35802933 | Plug, Oil Fill | 1 | |
| V | 95953410 | Tee | 1 | |
| W | 95953949 | Adapter | 1 | |
| X | 35596733 | Valve, Safety | 1 | |
| Y | 95944104 | Elbow | 1 | |
| Z | 36762821 | Nipple | 1 | |
| A1 | 35261155 | Clamp | 1 | |
| A2 | 54744156 | Pipe, Safety Valve | 1 | |
| A3 | 36883585 | Clamp | 2 | |
| A4 | 95928040 | Nipple | 1 | |
| A5 | 36843720 | Valve, Check | 1 | |
| | 35392281 | Spring | 1 | |
| | 35392299 | Seat | 1 | |
| A6 | 23294820 | Sensor, Temperature | 1 | |
| A7 | 36757581 | Switch, Pressure | 1 | Continued..... |

Separator Tank Assembly



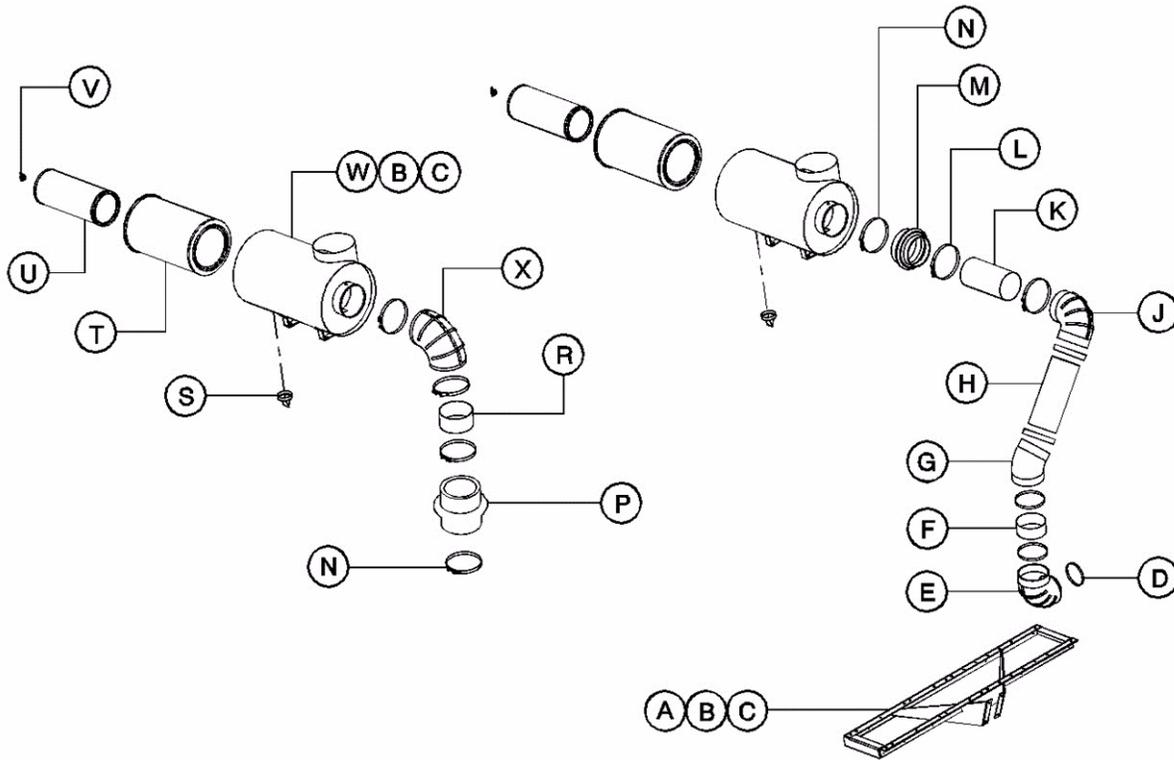
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------|-----|-----------------------|
| A8 | 95930301 | Bushing | 1 | <i>.....Continued</i> |
| A9 | 95935052 | Washer | 8 | |
| B1 | 35576115 | Valve, Ball | 1 | |
| B2 | 36842573 | Bracket, Solenoid | 1 | |

Separator Air Piping



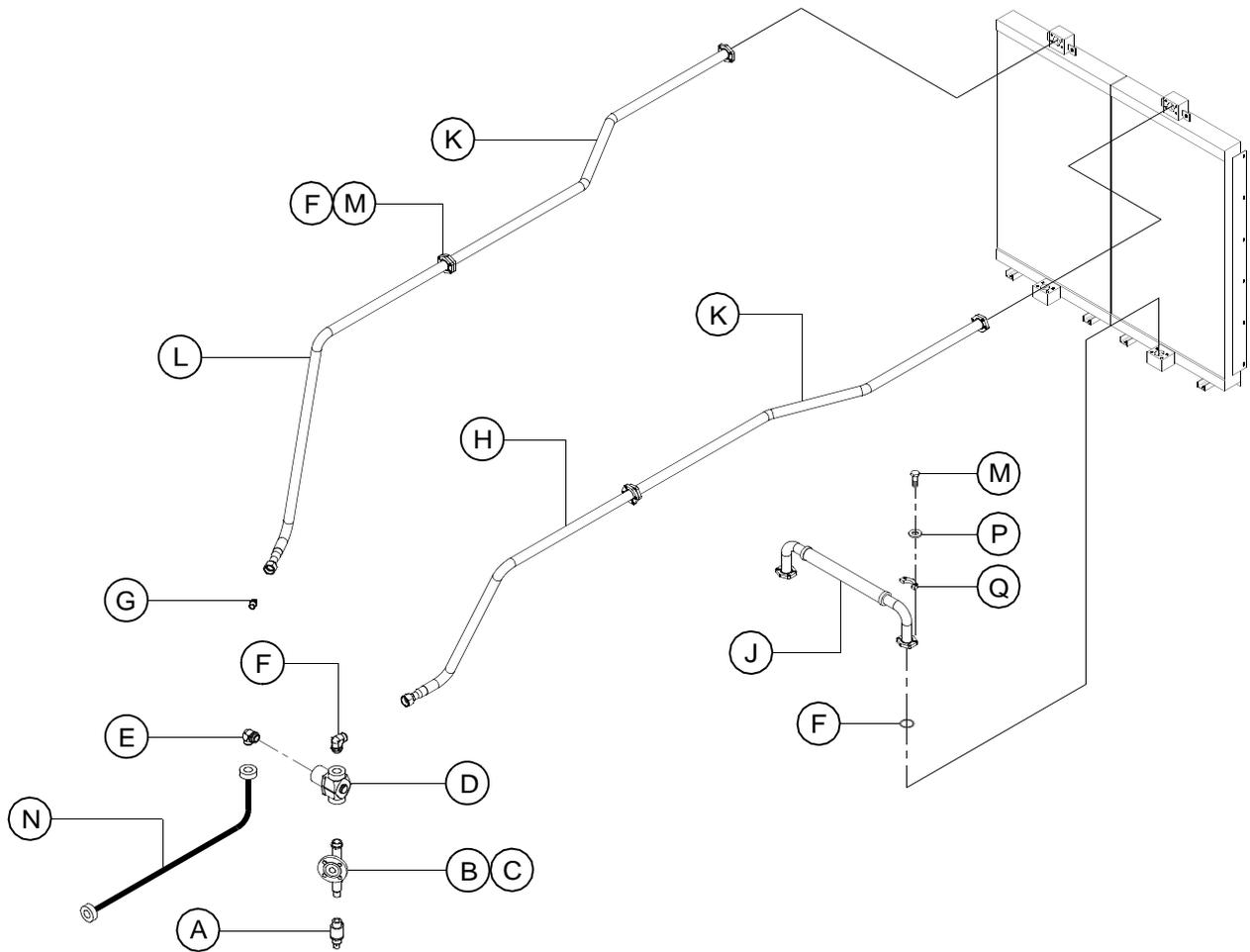
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------------------|-----|------------------|
| A | 95935003 | Washer | 4 | |
| B | 95922902 | Nut | 4 | |
| C | 54668314 | Support, Pipe | 1 | |
| D | 35130293 | Screw | 4 | |
| E | 36898120 | Pipe, Service (MSA & No PED with IQ) | 1 | |
| | 22205090 | Pipe, Service (PED, No IQ & PED w/ IQ) | 1 | |
| F | 95929089 | Screw | 8 | |
| G | 54687504 | Valve, Min.Press. (MSA & No PED with IQ) | 1 | |
| | 22207526 | Valve, Min.Press. (PED, No IQ & PED w/ IQ) | 1 | |
| H | 36799419 | Clamp | 1 | |
| J | 35586288 | Clamp | 1 | |
| K | 54703160 | Pipe, Min. Press. (MSA) | 1 | |
| | 22205124 | Pipe, Min. Press. (PED, No IQ) | 1 | |
| L | 95929089 | Screw | 4 | |
| M | 95358040 | O-Ring | 1 | |
| N | 95940946 | Nipple | 2 | |
| P | 36755718 | Valve, Ball (MSA & No PED with IQ) | 1 | |
| | 22225213 | Valve, Ball (PED, No IQ & PED w/ IQ) | 1 | |
| Q | 95916581 | Elbow | 1 | |
| R | 54393210 | Nipple | 1 | |

Air Intake and Filters



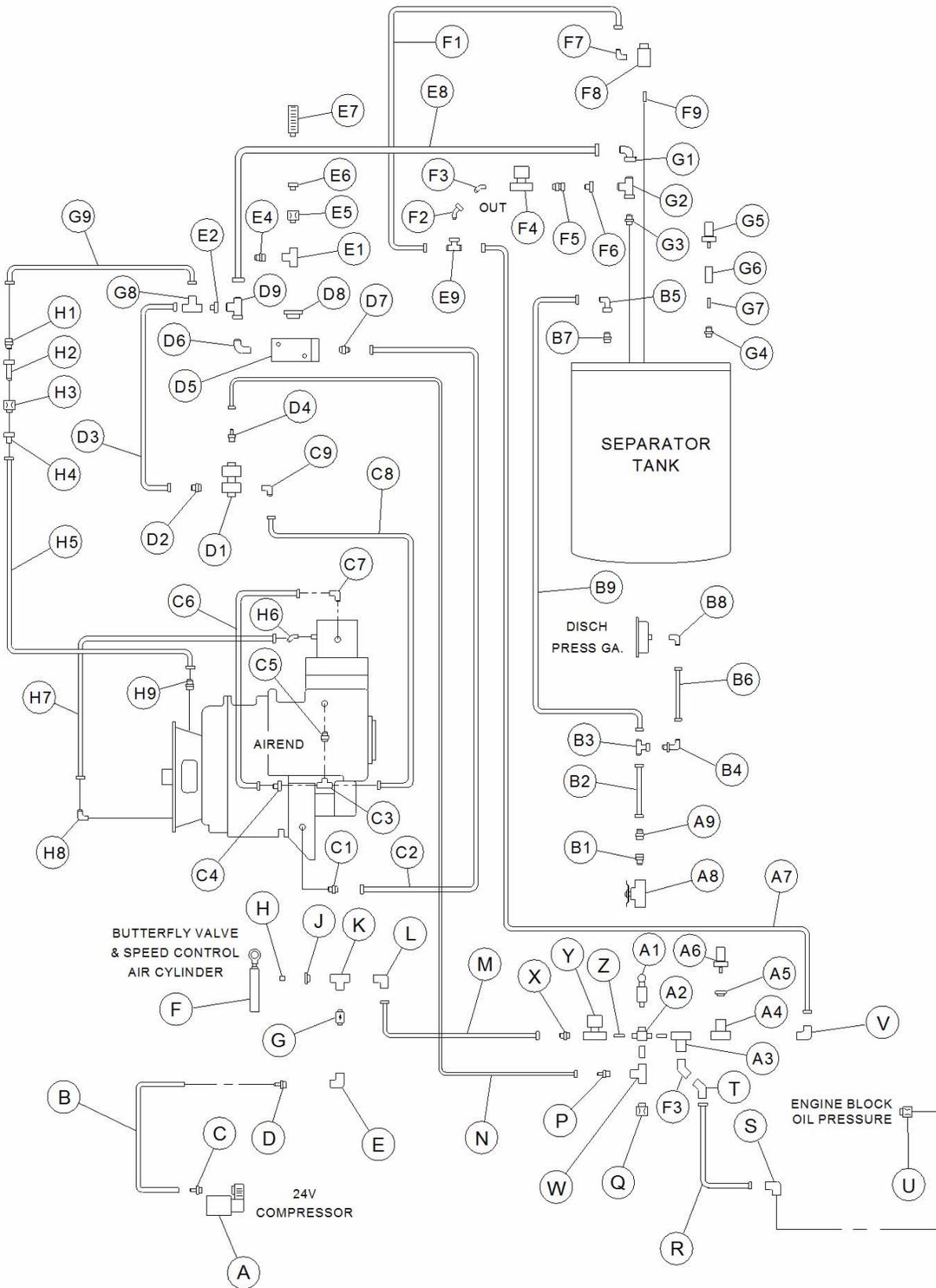
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------|-----|------------------|
| A | 36755163 | Bracket, Air Cleaner | 1 | |
| B | 36880995 | Screw | 12 | |
| C | 36879195 | Nut | 12 | |
| D | 35161025 | Clamp | 1 | |
| E | 35120211 | Elbow, Rubber | 1 | |
| F | 36505790 | Tube | 1 | |
| G | 35112630 | Elbow, Rubber | 1 | |
| H | 36794964 | Tube | 1 | |
| J | 35112630 | Elbow, Rubber | 1 | |
| K | 22163653 | Tube | 1 | |
| L | 35119858 | Clamp | 1 | |
| M | 35120260 | Hose, Hump | 1 | |
| N | 35129071 | Clamp | 5 | |
| P | 35141290 | Hose, Hump | 1 | |
| Q | 35583236 | Elbow, Rubber | 1 | |
| R | 35505866 | Tube | 1 | |
| S | 36867778 | Evacuator | 2 | |
| T | 36864361 | Element, Primary | 2 | |
| U | 36864379 | Element, Safety | 2 | |
| V | 35388982 | Nut, Wing | 4 | |
| W | 36864346 | Air Cleaner Assembly | 2 | |
| | 36847838 | Switch, Air Filter | 2 | |

Oil Piping



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------------------------|-----|------------------|
| A | 36885887 | Valve, 75 psi Relief | 1 | |
| B | 36897155 | Manifold, Oil | 1 | |
| C | 36786580 | Gasket | 1 | |
| D | 36897940 | Valve, Oil temperature By-Pass (Mixing Valve) | 1 | |
| | 39207402 | 150° F Element | 1 | |
| | 22201271 | Seal, Lip | 1 | |
| | 22201289 | Screw, Lip Seal | 1 | |
| | 95000477 | O-Ring | 1 | |
| E | 95431292 | Elbow | 1 | |
| F | 95357976 | O-Ring | 4 | |
| G | 95279329 | Connector | 1 | |
| H | 54638382 | Tube Assembly | 1 | |
| J | 22468516 | Tube Assembly | 1 | |
| K | 54628177 | Tube Assembly, Cooler to Bypass | 1 | |
| L | 54638374 | Tube Assembly | 1 | |
| M | 95920708 | Screw | 8 | |
| N | 35130863 | Hose Assembly | 1 | |
| P | 95934733 | Washer | 8 | |
| Q | 35323492 | Flange, Split | 4 | |

Air Piping

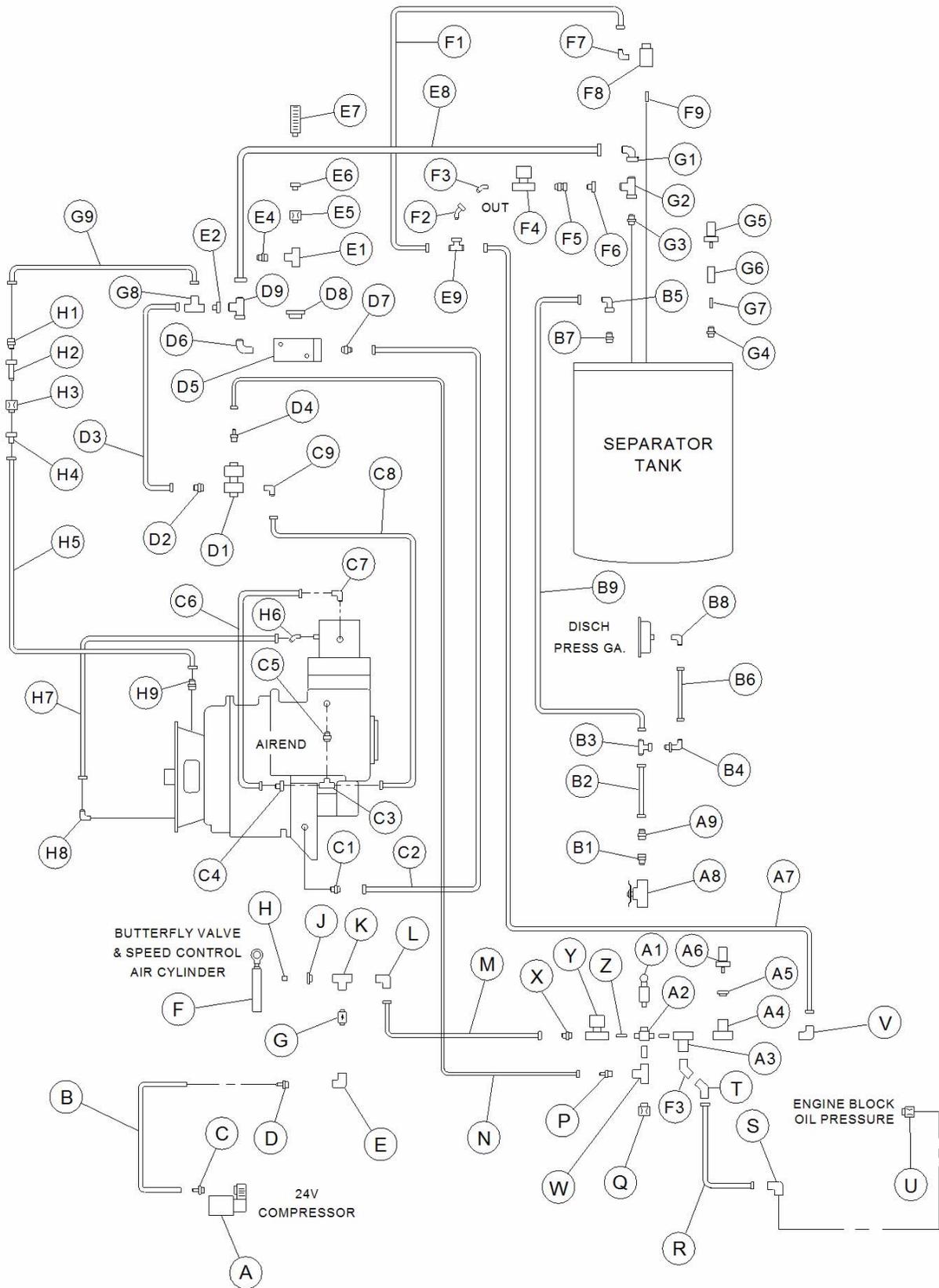


| | | |
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| | Air Piping | |
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Air Piping

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------|-----|-----------------------|
| A | 46576919 | 24V Compressor | 1 | |
| B | 35288034 | Hose Assembly | 1 | |
| C | 95287629 | Adapter | 1 | |
| D | 35283472 | Connector | 1 | |
| E | 95954095 | Elbow | 1 | |
| F | 35584689 | Cylinder, Air | 1 | |
| G | 35248145 | Valve, Check | 1 | |
| H | 95953493 | Nipple | 1 | |
| J | 95930301 | Bushing | 1 | |
| K | 35321272 | Tee | 1 | |
| L | 35290253 | Elbow | 1 | |
| M | 35322502 | Hose Assembly | 1 | |
| N | 35282920 | Hose Assembly | 1 | |
| P | 35283472 | Connector | 1 | |
| Q | 35248319 | Orifice (.094) | 1 | |
| R | 35284538 | Hose Assembly | 1 | |
| S | 35279934 | Elbow | 1 | |
| T | 35283100 | Elbow | 1 | |
| U | 54720719 | Adapter | 1 | |
| V | 35279934 | Elbow | 1 | |
| W | 35321272 | Tee | 1 | |
| X | 35284082 | Connector | 1 | |
| Y | 36842318 | Valve, Solenoid | 1 | |
| Z | 36793776 | Nipple | 3 | |
| A1 | 35325133 | Valve, Safety | 1 | |
| A2 | 95954293 | Cross | 1 | |
| A3 | 35322379 | Valve, Blowdown | 1 | |
| A4 | 35114545 | Tee | 1 | |
| A5 | 95930301 | Bushing | 1 | |
| A6 | 36920825 | 100 psi Transducer | 1 | |
| A7 | 35311471 | Hose Assembly | 1 | |
| A8 | 35324839 | Valve, Ball | 1 | |
| A9 | 35336139 | Fitting, Bulkhead | 1 | |
| B1 | 35367846 | Connector | 1 | |
| B2 | 35282961 | Hose Assembly | 1 | |
| B3 | 35283092 | Tee | 1 | |
| B4 | 36852499 | Fitting, Bulkhead | 1 | |
| B5 | 35283068 | Elbow | 1 | |
| B6 | 35282961 | Hose Assembly | 1 | |
| B7 | 35284082 | Connector | 1 | |
| B8 | 35280098 | Elbow | 1 | |
| B9 | 35284538 | Hose Assembly | 1 | |
| C1 | 35296391 | Connector | 1 | |
| C2 | 35322592 | Hose Assembly | 1 | Continued..... |

Air Piping

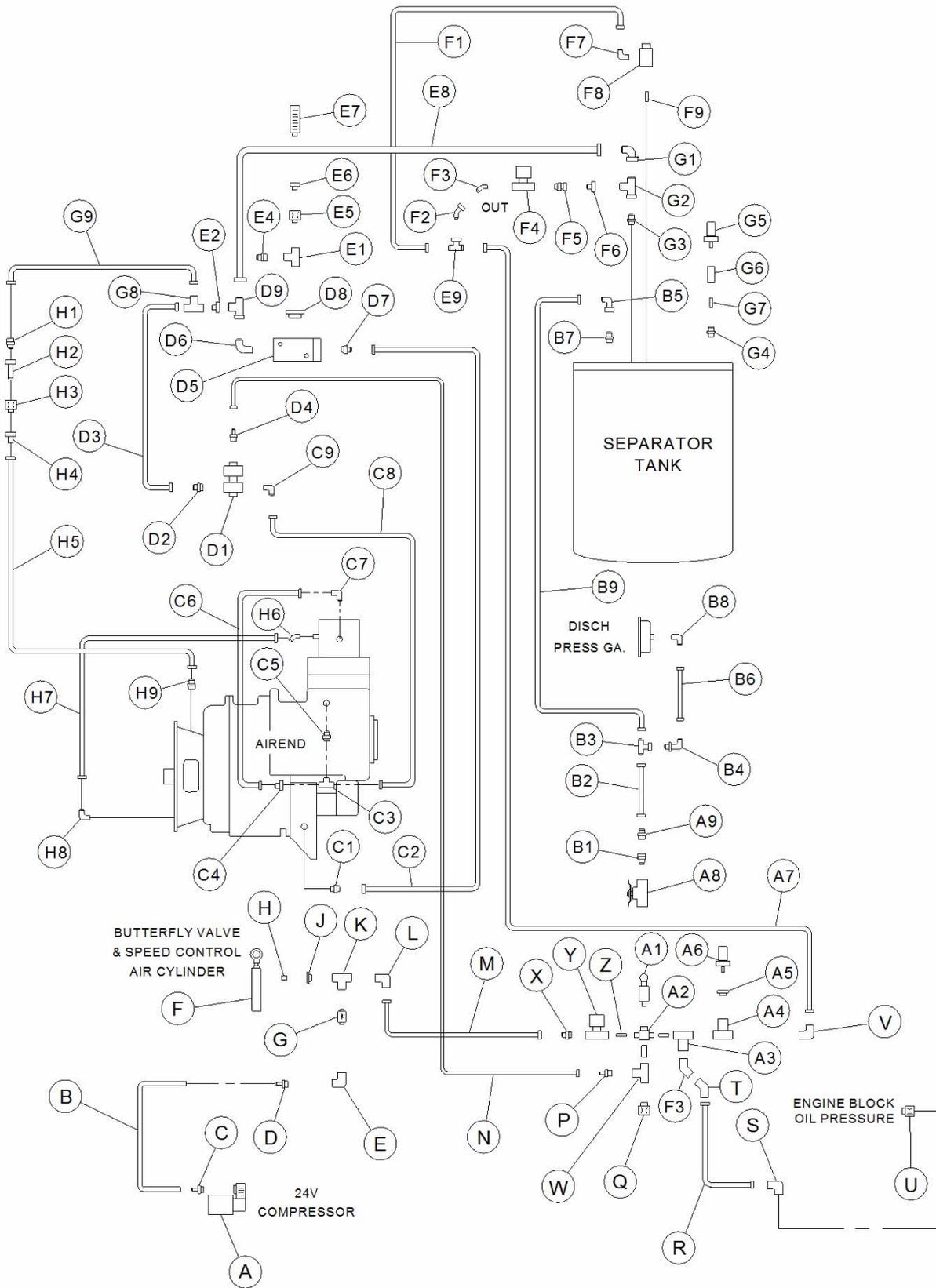


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| | | Air Piping | | |
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Air Piping

| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------------|-----|-----------------------|
| C3 | 95642484 | Tee | 1 | <i>.....Continued</i> |
| C4 | 35299734 | Reducer | 1 | |
| C5 | 35287895 | Connector | 1 | |
| C6 | 35284504 | Hose Assembly | 1 | |
| C7 | 35283464 | Elbow | 1 | |
| C8 | 35298512 | Hose Assembly | 1 | |
| C9 | 35309210 | Elbow | 1 | |
| D1 | 35316405 | Anti-Rumble Valve | 1 | |
| D2 | 35286426 | Connector | 1 | |
| D3 | 35252782 | Hose Assembly | 1 | |
| D4 | 35283472 | Connector | 1 | |
| D5 | 35849215 | Valve, Auto Blowdown | 1 | |
| D6 | 35294735 | Elbow | 1 | |
| D7 | 35290147 | Connector | 1 | |
| D8 | 95944633 | Bushing | 1 | |
| D9 | 35287739 | Tee | 1 | |
| E1 | 35114545 | Tee | 1 | |
| E2 | 35365774 | Reducer | 1 | |
| E3 | 35311471 | Hose Assembly | 1 | |
| E4 | 35284082 | Connector | 1 | |
| E5 | 35322346 | Orifice (.156) | 1 | |
| E6 | 95948501 | Adapter | 1 | |
| E7 | 35132299 | Silencer | 1 | |
| E8 | 35323815 | Hose Assembly | 1 | |
| E9 | 35283092 | Tee | 1 | |
| F1 | 35282946 | Hose Assembly | 1 | |
| F2 | 35283100 | Elbow | 1 | |
| F3 | 35294743 | Elbow | 1 | |
| F4 | 36842300 | Valve, Solenoid | 1 | |
| F5 | 35368927 | Connector | 1 | |
| F6 | 35321165 | Reducer | 1 | |
| F7 | 35301126 | Elbow | 1 | |
| F8 | 35315795 | Valve, Pressure | 1 | |
| F9 | 95944575 | Nipple | 1 | |
| G1 | 35301506 | Elbow | 1 | |
| G2 | 35287739 | Tee | 1 | |
| G3 | 95219747 | Adapter | 1 | |
| G4 | 95930301 | Bushing | 1 | |
| G5 | 54765946 | Transducer | 1 | |
| G6 | 95010906 | Coupling | 1 | |
| G7 | 95953493 | Nipple | 1 | |
| G8 | 35287929 | Tee, -8 JIC X -8 JIC X -8 JIC Female | 1 | |
| G9 | 35307719 | Hose, -8 JIC X 48" | 1 | |
| H1 | 35283134 | Connector, -8 JIC X 1/4" NPT | 1 | |
| H2 | 39120563 | Screen Scavenge | 1 | <i>Continued.....</i> |

Air Piping

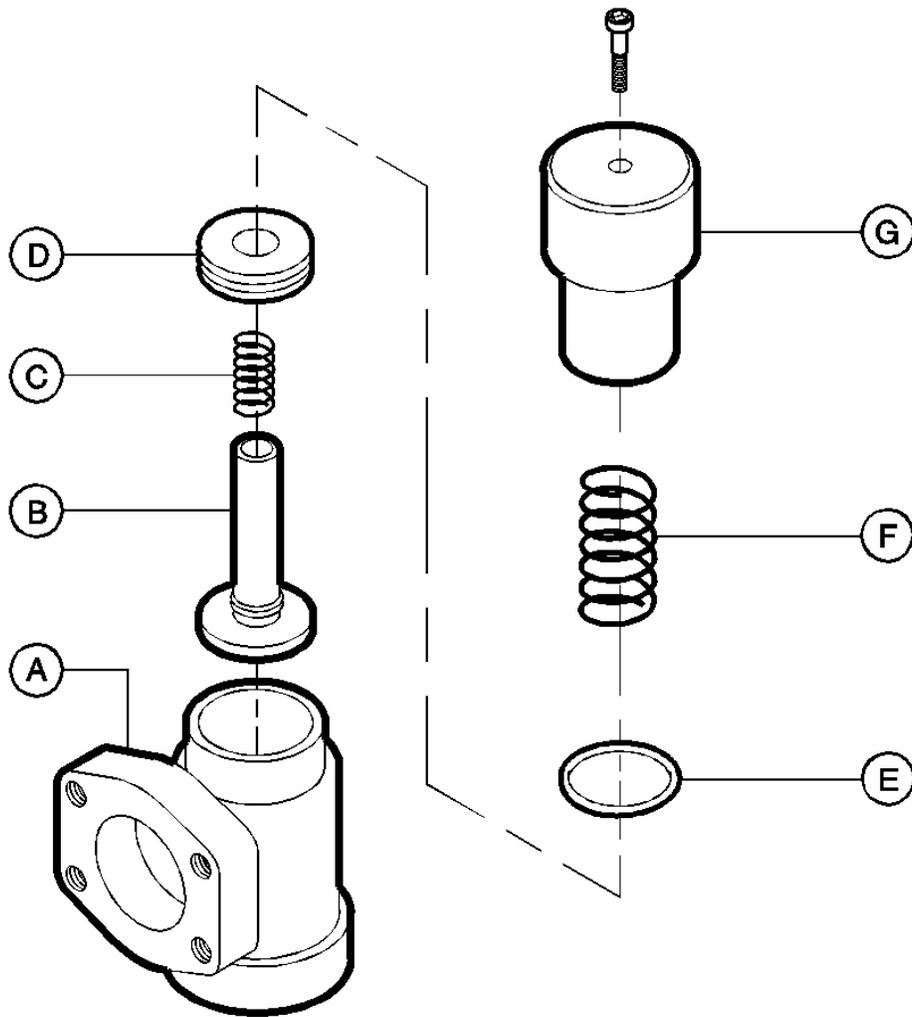


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| | Air Piping | |
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Air Piping

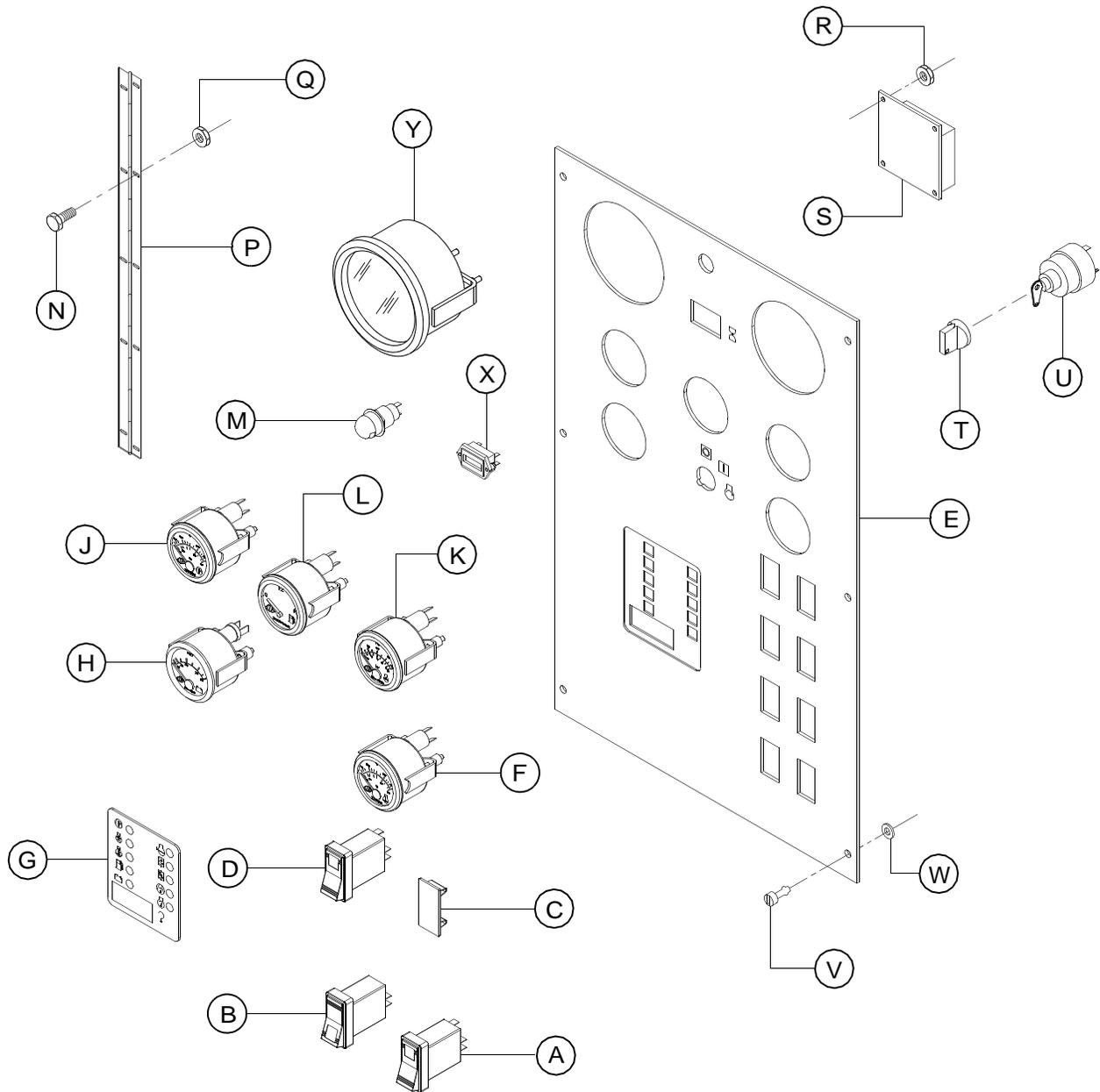
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|-----------------------|
| H3 | 39418769 | Orifice, 0.0135" w / 1/4" NPT | 1 | <i>.....Continued</i> |
| H4 | 35294487 | Connector, Female | 1 | |
| H5 | 35282912 | Hose, -4 JIC X 27" | 1 | |
| H6 | 35321223 | Elbow, 45°, 1/4" NPT X -4 JIC | 1 | |
| H7 | 35283480 | Hose, -4 JIC X 48" | 1 | |
| H8 | 96952874 | Elbow, 45°, -4 JIC X 9/16" - 18 | 1 | |
| H9 | 95365094 | Elbow, 90°, -4 JIC X 9/16" - 18 | 1 | |
| | | | | |
| | | | | |

Minimum Pressure Check Valve Assembly



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| A | 54699731 | Body, Check Valve | 1 | |
| B | 36792307 | Check Valve Assembly | 1 | |
| C | 36792356 | Spring, Check Valve | 1 | |
| D | 36792315 | Piston | 1 | |
| E | 36792364 | O-Ring | 1 | |
| F | 36792349 | Spring, Main | 1 | |
| G | 54699780 | Cap (MSA and No PED with IQ) | 1 | |
| | 22208342 | Cap (PED, No IQ & PED with IQ) | | |

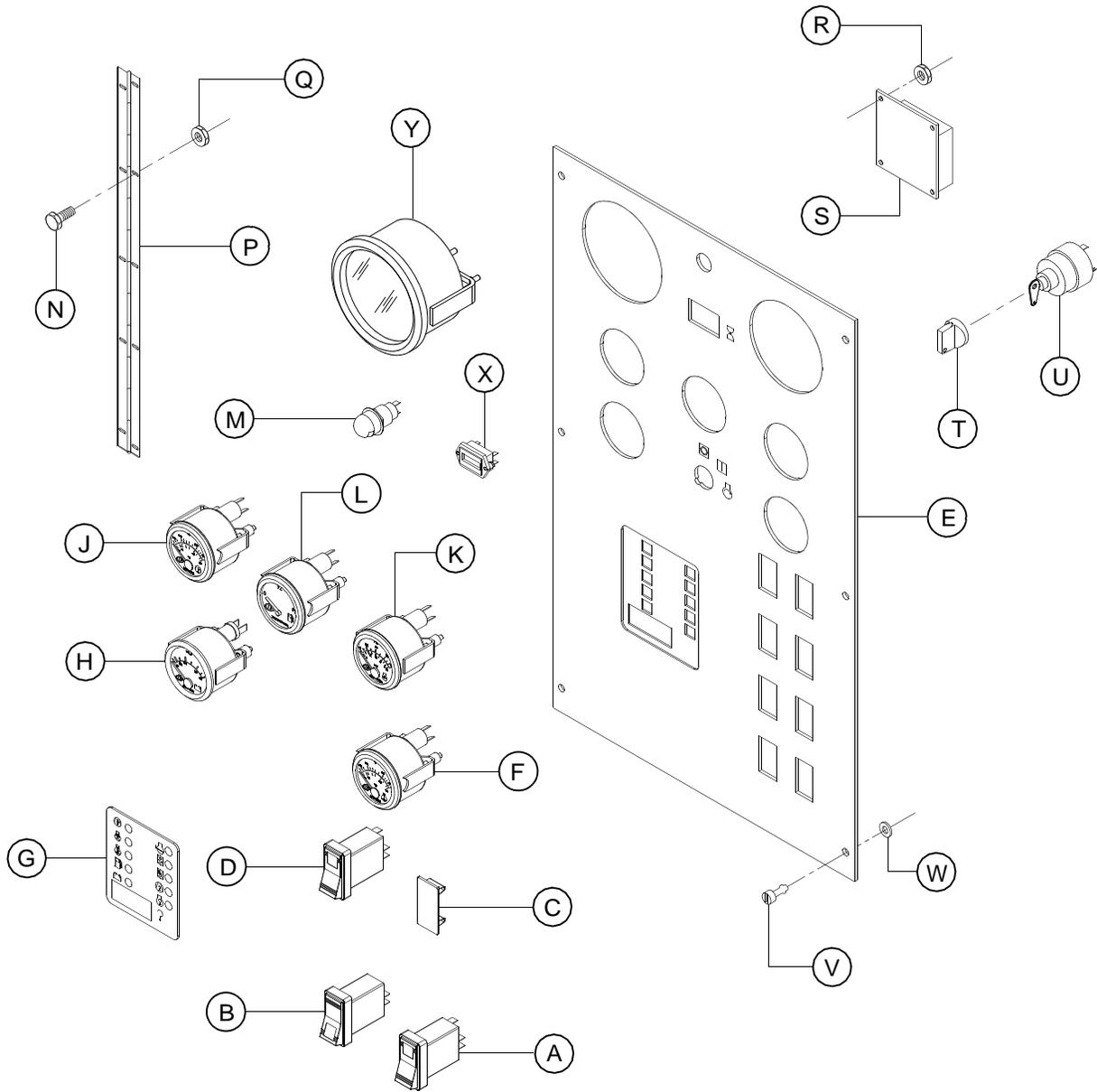
Instrument Panel Assembly



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------|-----|------------------|
| A | 22053896 | Switch, Lamps | 1 | |
| B | 22054050 | Switch, Heater | 1 | |
| C | 22054142 | Plug, Switch | 4 | |
| D | 22054076 | Switch, After Warm-Up | 1 | |
| E | 22105571 | Panel, Instrument | 1 | |
| F | 22692628 | Gauge, Engine Oil Pressure | 1 | |
| G | 22055800 | Overlay, Wedge Diagnostic | 1 | |
| H | 22692594 | Gauge, Voltage | 1 | |
| J | 22692610 | Gauge, Air Discharge Temperature | 1 | |
| K | 22692610 | Gauge, Water Temperature | 1 | |

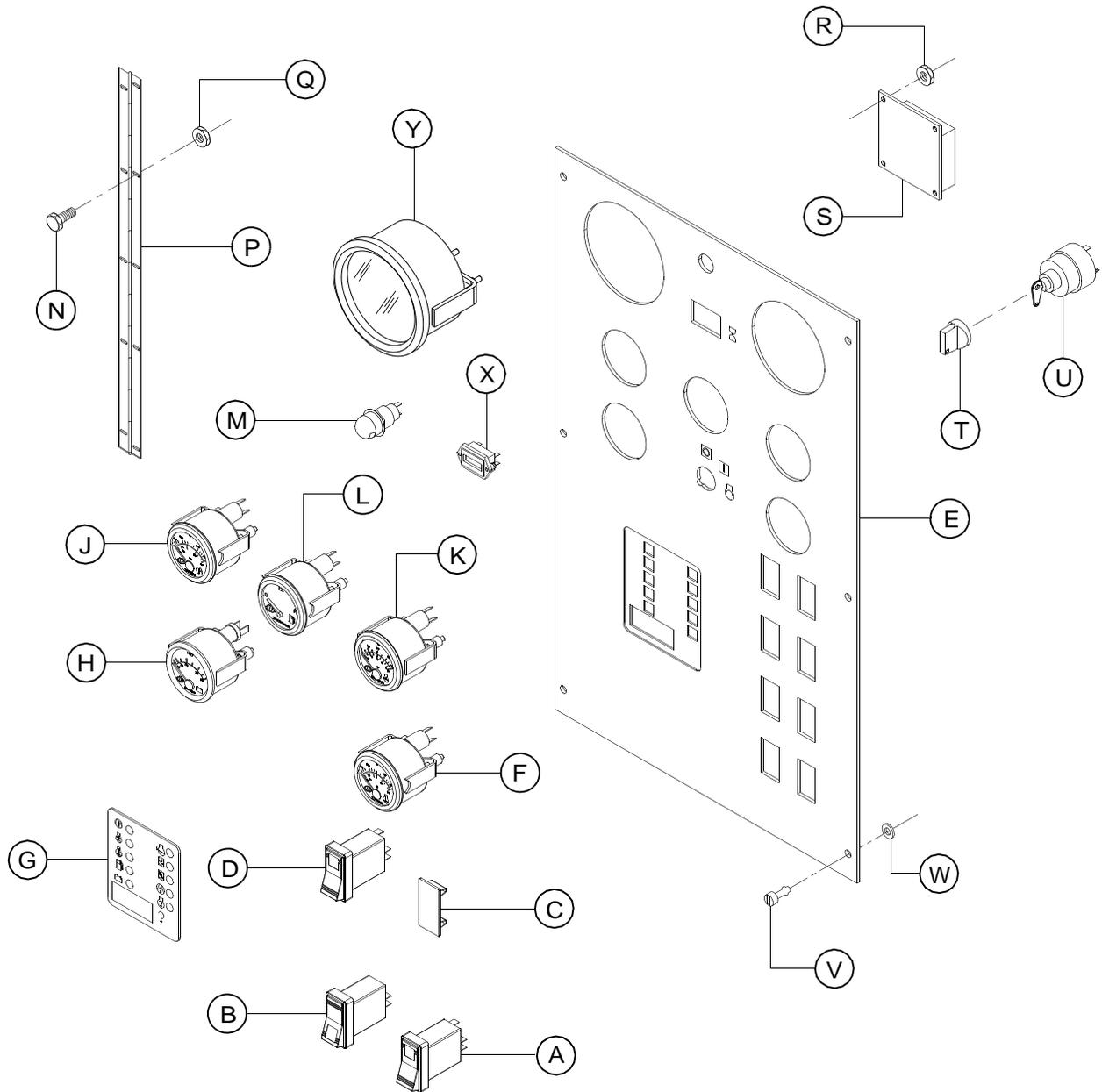
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Instrument Panel Assembly



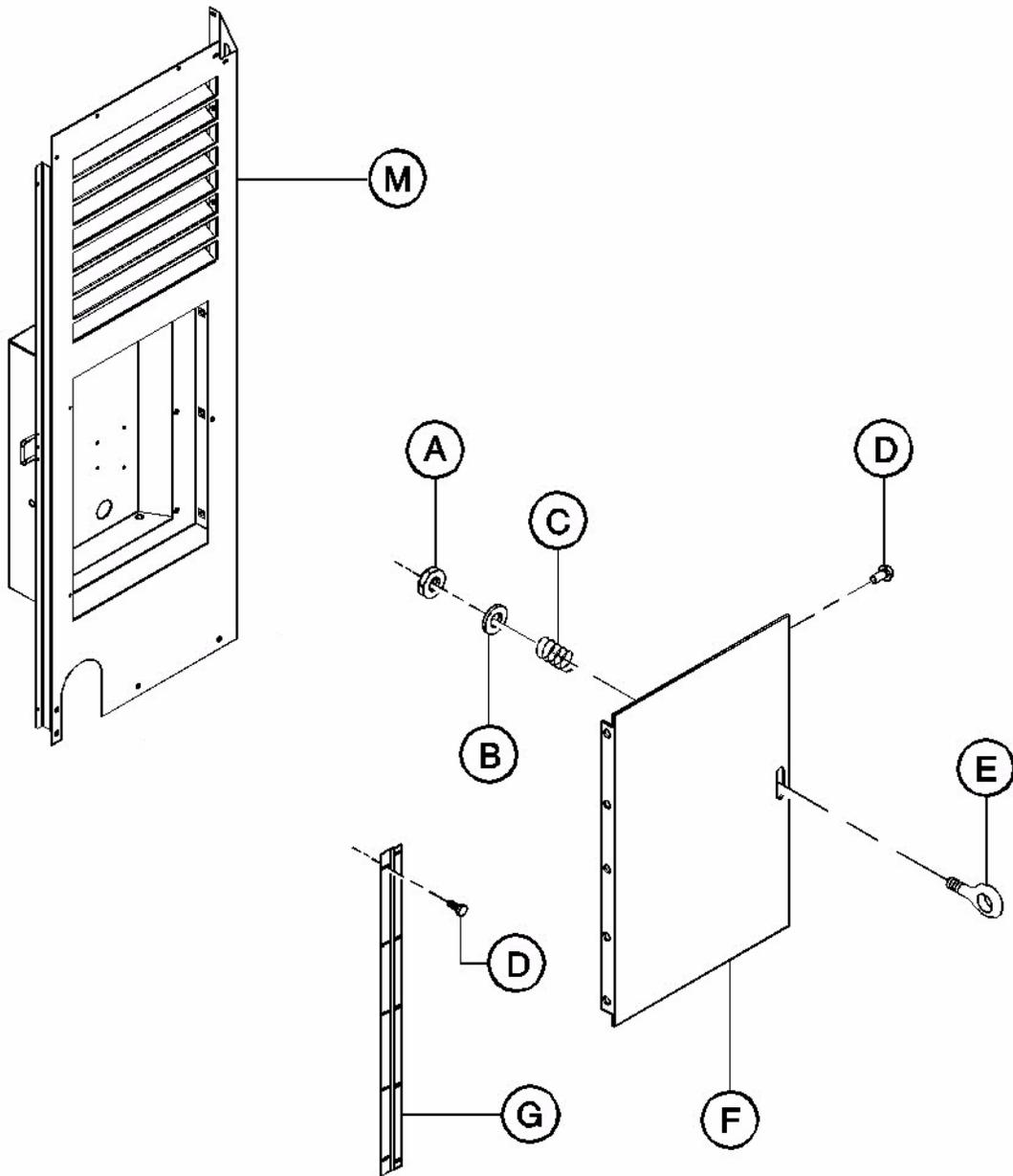
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------|-----|-----------------------|
| L | 22692602 | Gauge, Fuel Level | 1 | <i>.....Continued</i> |
| M | 36852622 | Light, Instrument Panel | 1 | |
| N | 36898096 | Screw | 3 | |
| P | 36840908 | Hinge | 1 | |
| Q | 36898104 | Nut | 3 | |
| R | 95928800 | Nut | 3 | |
| S | 46636279 | Controller, Wedge | 1 | |
| T | 22134118 | Knob, Switch | 1 | |
| U | 22127385 | Switch, Starter | 1 | |
| V | 35256429 | Screw, Quarter Turn | 3 | |
| W | 35256452 | Receptacle | 3 | |

Instrument Panel Assembly



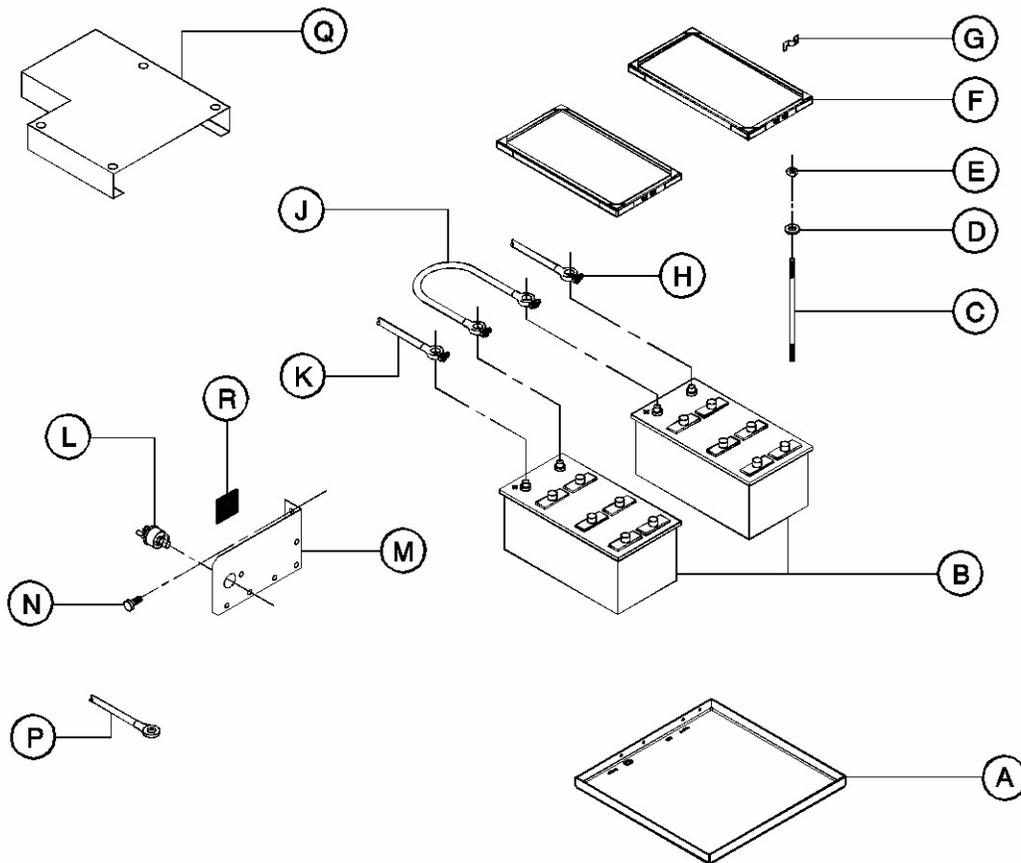
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------|-----|-----------------------|
| X | 54766704 | Hourmeter | 1 | <i>.....Continued</i> |
| Y | 22055883 | Tachometer | 1 | |

Instrument Panel Assembly



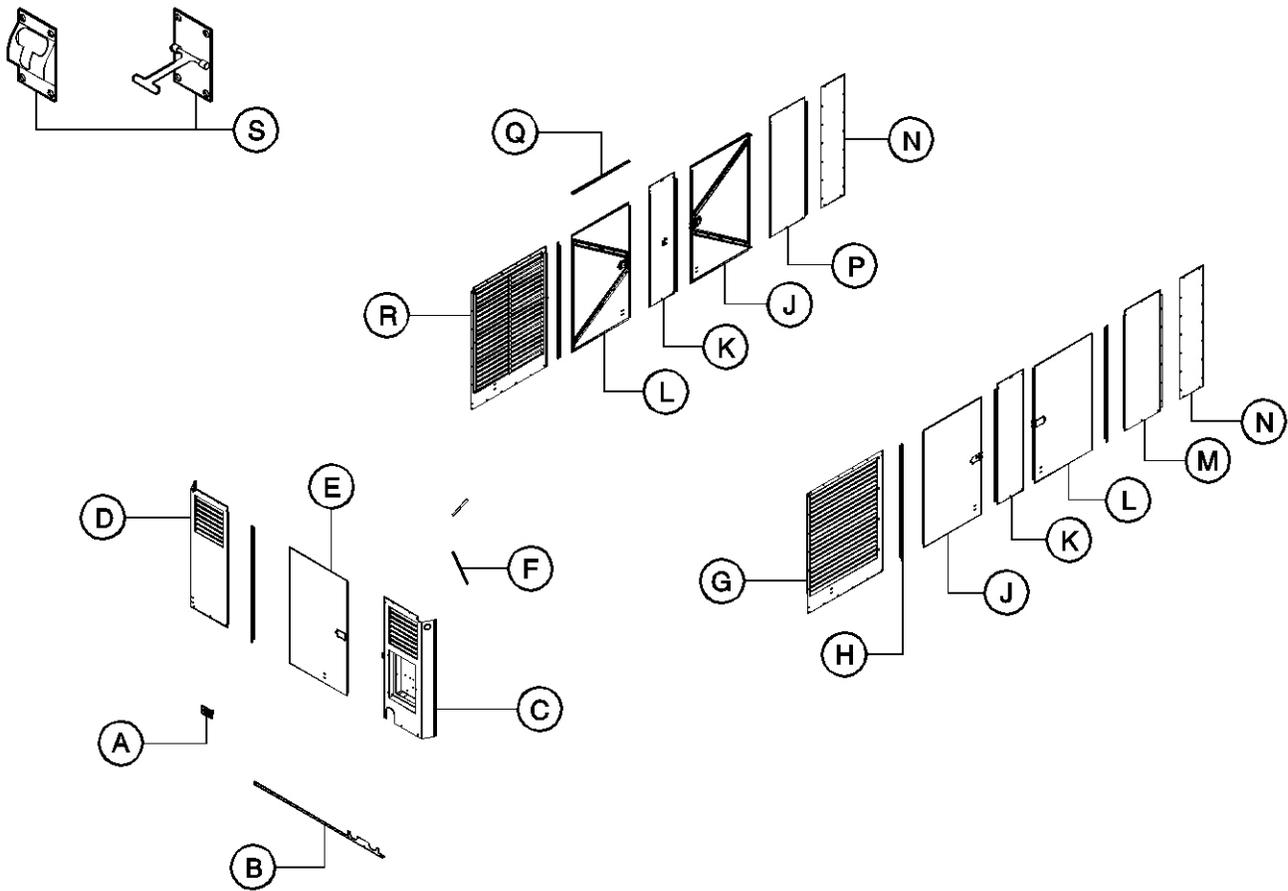
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|------------|------------------------------------------|-----|------------------|
| A | 95923314 | Nut | 2 | |
| B | 95934998 | Washer | 2 | |
| C | 35327311 | Spring | 2 | |
| D | 92368687 | Screw | 7 | |
| E | 35327303 | Eyebolt | 2 | |
| F | 22471882GA | Door, Instrument Panel | 1 | |
| G | 36740405 | Hinge | 1 | |
| H | 22475560GA | Panel, Streetside, Front Vertical Corner | 1 | |

Battery & Mounting



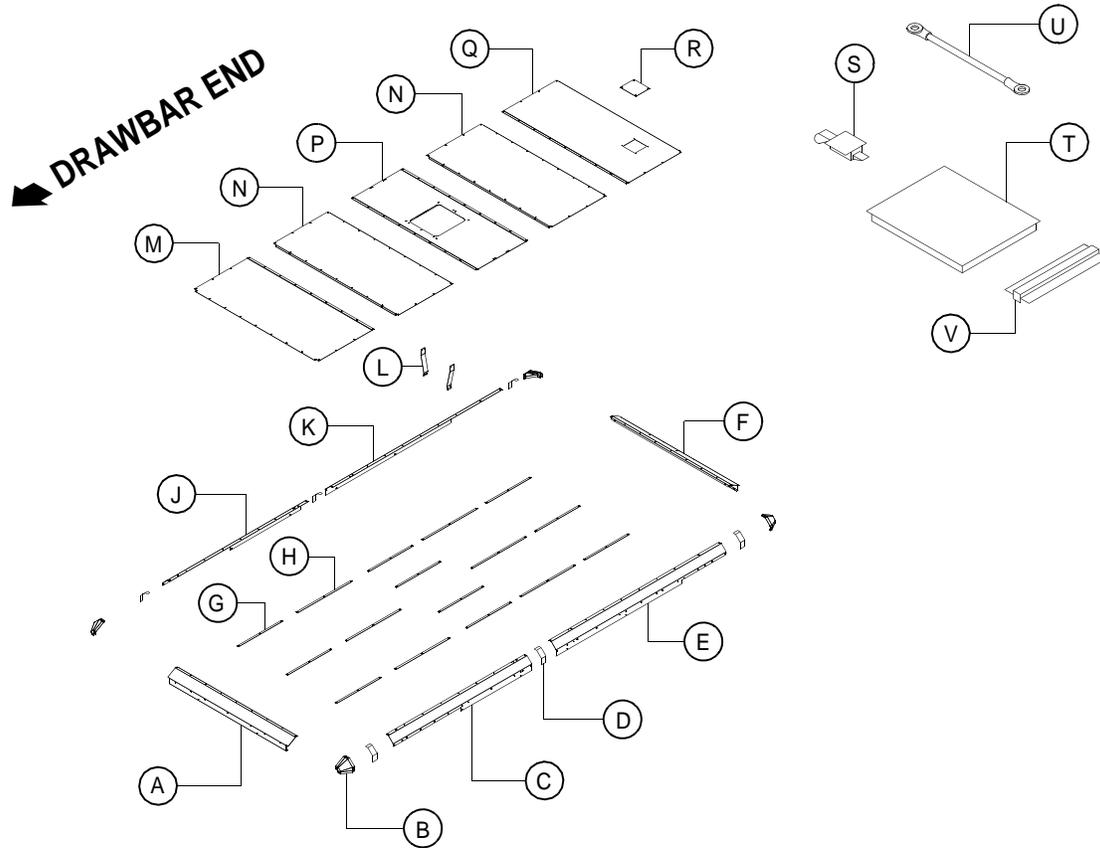
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| A | 36870350 | Tray, Battery | 1 | |
| B | 35225788 | Battery | 2 | |
| C | 54715479 | Stud | 4 | |
| D | 95935037 | Washer | 8 | |
| E | 95923322 | Nut | 8 | |
| F | 35562156 | Frame | 2 | |
| G | 35108216 | Clip | 4 | |
| H | 22319735 | Cable, Negative | 1 | |
| J | 35128982 | Cable, Jumper | 1 | |
| K | 54765375 | Cable, Positive | 1 | |
| L | 36896975 | Switch, Battery Disconnect | 1 | |
| M | 54737400 | Bracket, Switch | 1 | |
| N | 35279025 | Screw | 2 | |
| P | 23268105 | Cable, Master Switch | 1 | |
| Q | 54706825 | Cover, Battery | 1 | |
| R | 54642327 | Decal, Battery Disconnect | 1 | |
| | 36783488 | Ground Strap From Starter | 1 | |
| | 36783488 | Ground Strap To RH of Engine | 1 | |

Common Enclosure Assembly



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|------------|-------------------------|-----|------------------|
| A | 36793602 | Latch, Door Slam | 5 | |
| B | 54576871GA | Brace, Front Panel | 1 | |
| C | 22475560GA | Panel, L.H. Front | 1 | |
| D | 22055750GA | Panel, R.H. Front | 1 | |
| E | 36863363GA | Door, Front | 1 | |
| F | 54718184 | Brace, Front | 6 | |
| G | 54587944GA | Panel, Streetside Front | 1 | |
| H | 36863413 | Hinge | 5 | |
| J | 36863660GA | Door, Side | 1 | |
| K | 54587969GA | Panel, Center | 1 | |
| L | 36863652GA | Door, Side | 1 | |
| M | 54587977GA | Panel, L.H. Rear Side | 1 | |
| N | 54663240GA | Panel, Rear Side | 1 | |
| P | 54587985GA | Panel, R.H. Rear Side | 1 | |
| Q | 36863371GA | Angle, Door Drip | 6 | |
| R | 54587951GA | Grille, R.H. Front Side | 1 | |
| S | 36849925 | Latch, Door | 5 | |

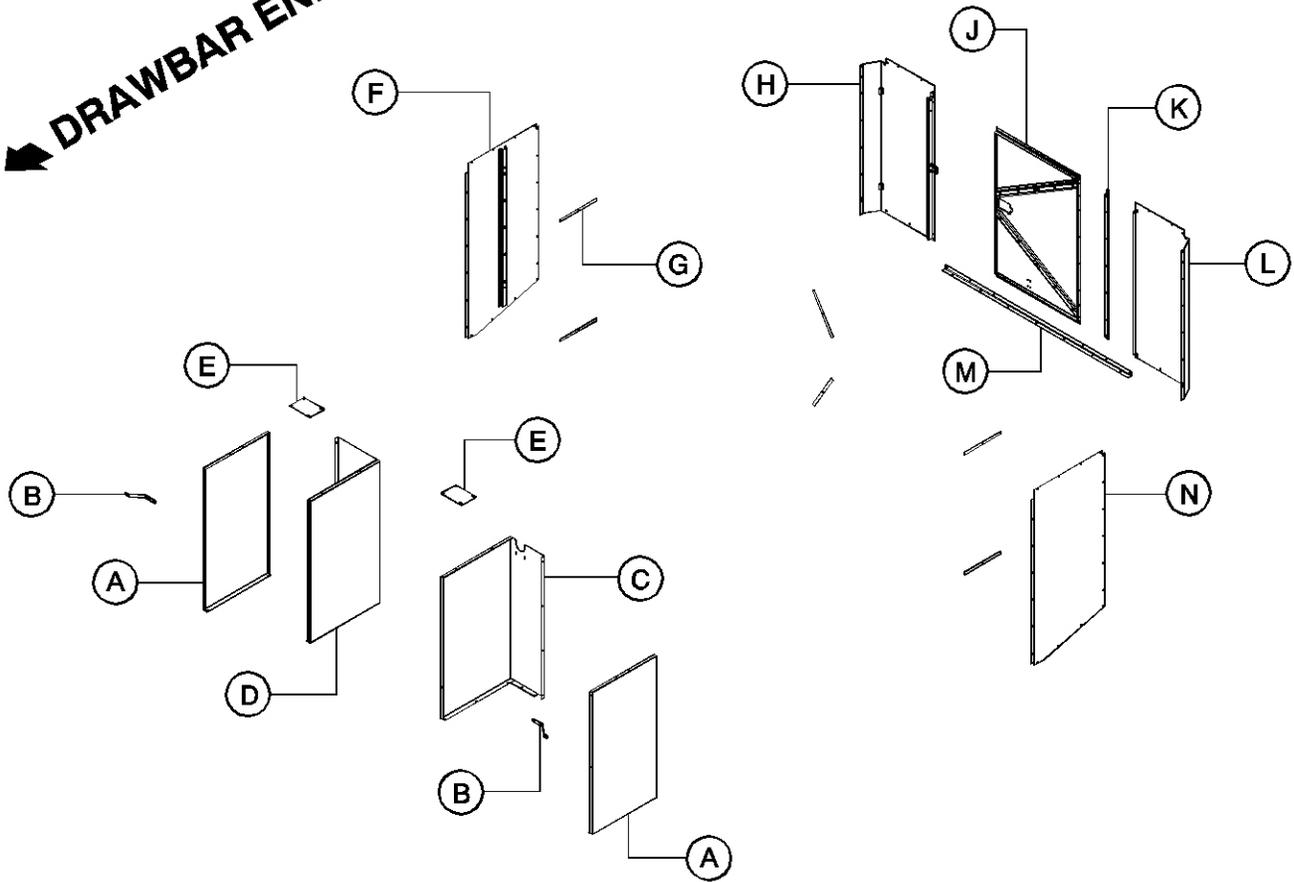
Top Enclosure Assembly



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|------------|-------------------------|-----|------------------|
| A | 54576970GA | Channel, Top Front | 1 | |
| B | 54493101GA | Cap, End | 4 | |
| C | 54690110GA | Channel, Roof, LH Front | 1 | |
| D | 36755742GA | Strip, Connector | 6 | |
| E | 54690128GA | Channel, Roof LH Rear | 1 | |
| F | 54584784GA | Channel, Roof Rear | 1 | |
| G | 54747316 | Strap, Foam Retainer | 8 | |
| H | 54747324 | Strap, Foam Retainer | 8 | |
| J | 54663224GA | Cap, RH | 1 | |
| K | 54663232GA | Cap, RH | 1 | |
| L | 54700091 | Bracket, Roof Support | 2 | |
| M | 54599915GA | Panel, Roof Front | 1 | |
| N | 54599923GA | Panel, Roof Middle | 2 | |
| P | 54599931GA | Panel, Roof Center | 1 | |
| Q | 54599949GA | Panel, Roof Rear | 1 | |
| R | 54690136GA | Cover, Radiator Fill | 1 | |
| S | 35131051GA | Latch, Door | 1 | |
| T | 36864403GA | Roof, Door | 1 | |
| U | 36864304 | Cable, Roof | 1 | |
| V | 36864288 | Hinge, Door | 1 | |

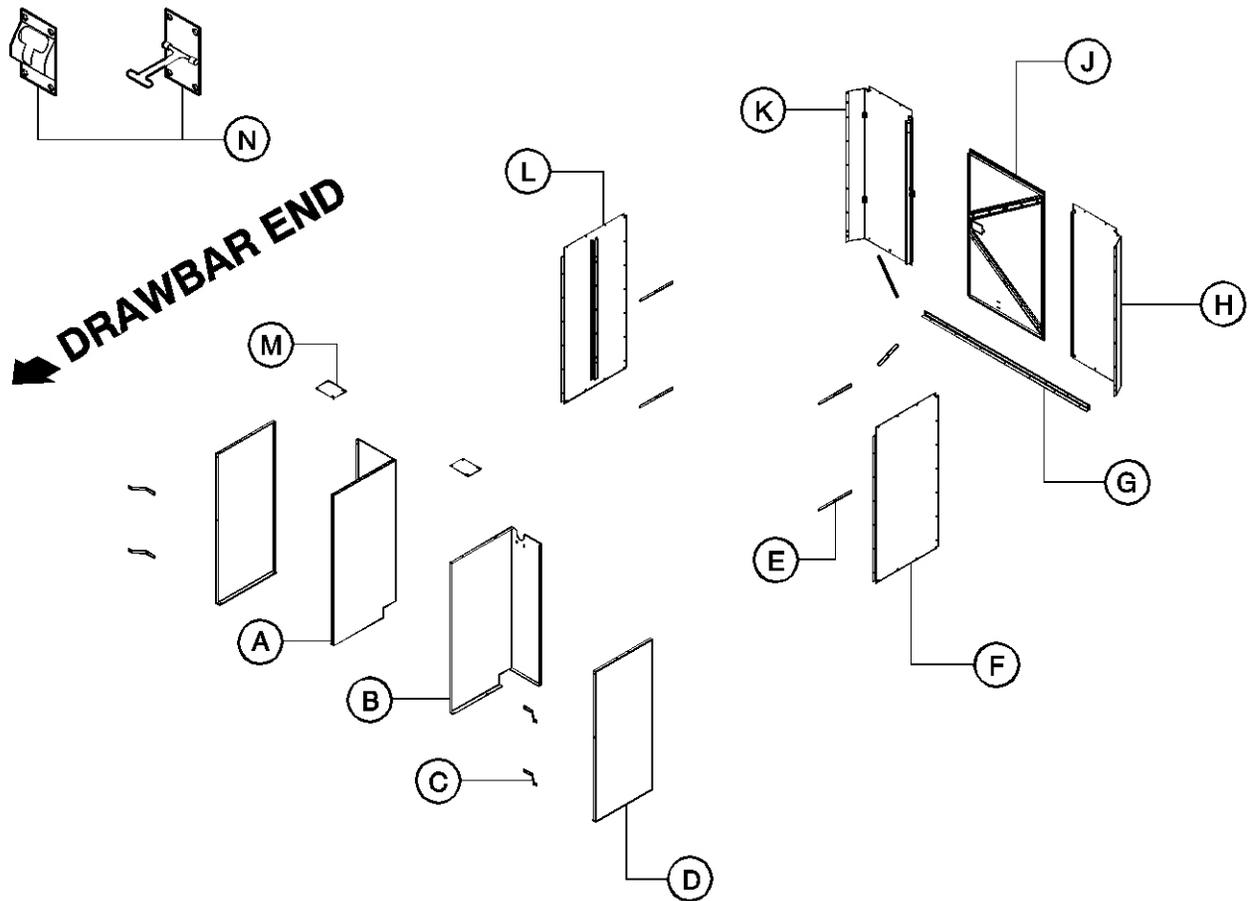
Fast Track Enclosure

← DRAWBAR END



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|------------|-----------------------------------------------------------------------|-----|------------------|
| A | 54640982GB | Baffle, Splitter | 2 | |
| B | 54641022GB | Support, Baffle | 1 | |
| C | 54640966GB | Baffle, Streetside | 1 | |
| D | 54640974GB | Baffle, Curbside | 1 | |
| E | 54641006GB | Support, Baffle | 1 | |
| F | 54672761GA | Panel, Curbside, Rear | 1 | |
| G | 54718184 | Strap, Foam Retention | 6 | |
| H | 54663299GA | Panel, Corner, Curbside - Rear | 1 | |
| J | 54672779GA | Door, Rear | 1 | |
| | 36793602 | Latch, Door Slam | 1 | |
| K | 54692744 | Hinge | 1 | |
| L | 54663281GA | Panel, L.H. Rear Corner | 1 | |
| M | 54576921GA | Angle, Mounting Rear | 1 | |
| N | 54672753GA | Panel, Streetside, Rear | 1 | |
| | | Note: All Other Enclosure Parts Are Shown on Common Enclosure Drawing | | |

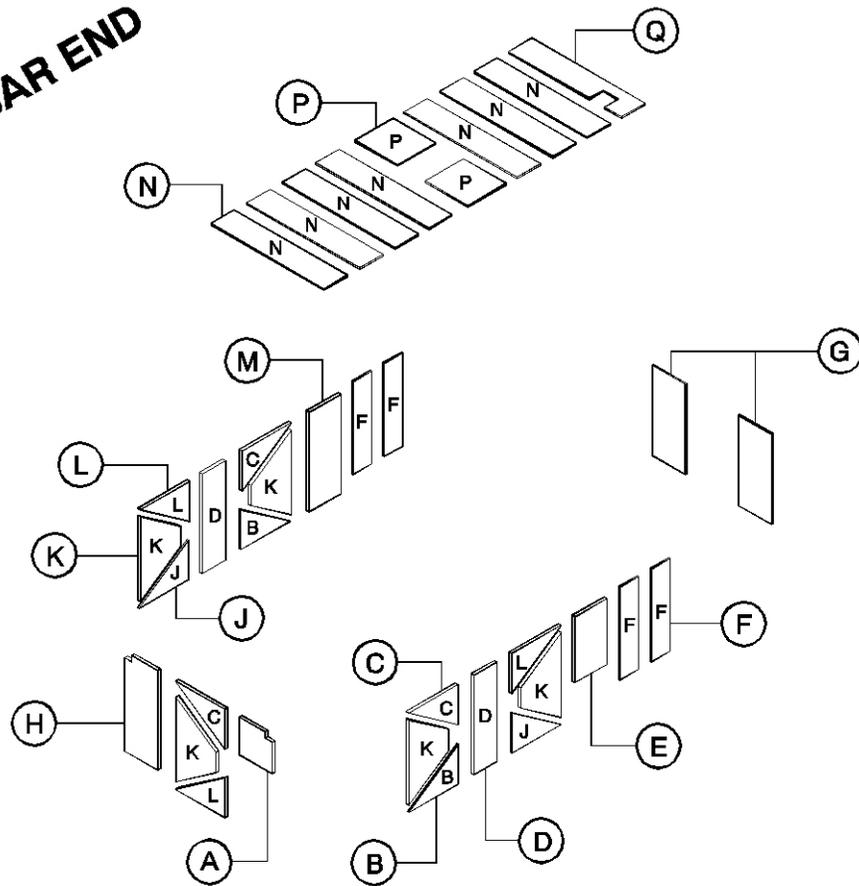
Wagon Wheel Enclosure



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|------------|-----------------------------------------------------------------------|-----|------------------|
| A | 54688239GB | Baffle, Curbside | 1 | |
| B | 54688221GB | Baffle, Streetside | 1 | |
| C | 54641022GB | Support, Baffle | 4 | |
| D | 54688247GB | Baffle, Splitter | 2 | |
| E | 54718184 | Strap, Foam Retention | 6 | |
| F | 54663265GA | Panel, Streetside Rear | 1 | |
| G | 54576921GA | Angle, Rear Mounting | 1 | |
| H | 54576954GA | Panel, L.H. Rear Corner | 1 | |
| J | 36863363GA | Door, Rear | 1 | |
| | 36793602 | Latch, Slam | 1 | |
| | 36863413 | Hinge | 1 | |
| K | 54576962GA | Panel, Corner, Curbside - Rear | 1 | |
| L | 54663273GA | Panel, Curbside, Rear | 1 | |
| M | 54641006GB | Support, Baffle | 2 | |
| N | 36849925 | Holder, Door | 1 | |
| | | Note: All Other Enclosure Parts Are Shown on Common Enclosure Drawing | | |

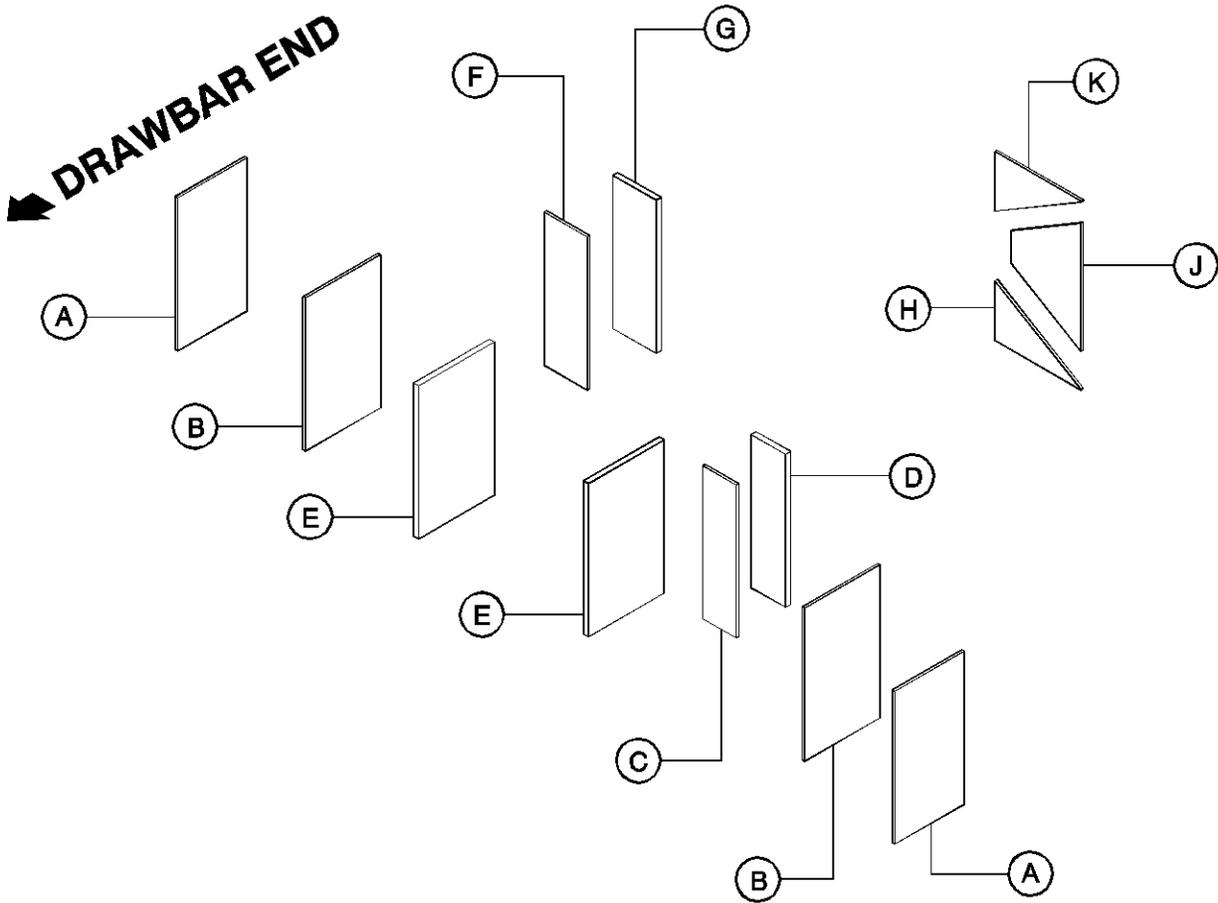
Common Acoustics

← DRAWBAR END



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------------|-----|------------------|
| A | 54721204 | Foam, L.H. Front Top | 1 | |
| B | 54719703 | Foam, Door | 2 | |
| C | 54719711 | Foam, Door | 3 | |
| D | 54719646 | Foam, Center Panel | 2 | |
| E | 54719695 | Foam, L.H. Side | 1 | |
| F | 54759519 | Fiberglass, R.H. / L.H. Rear Side | 4 | |
| G | 54759527 | Fiberglass, Rear | 2 | |
| H | 22087514 | Foam, R.H. Front | 1 | |
| J | 54720065 | Foam, Door | 2 | |
| K | 54719661 | Foam, Center Door | 5 | |
| L | 54720057 | Foam, Door | 3 | |
| M | 54719653 | Foam, R.H. Rear Side | 1 | |
| N | 54699046 | Foam, Top | 7 | |
| P | 54699087 | Foam, Center Top | 2 | |
| Q | 54710041 | Foam, Rear Top | 1 | |

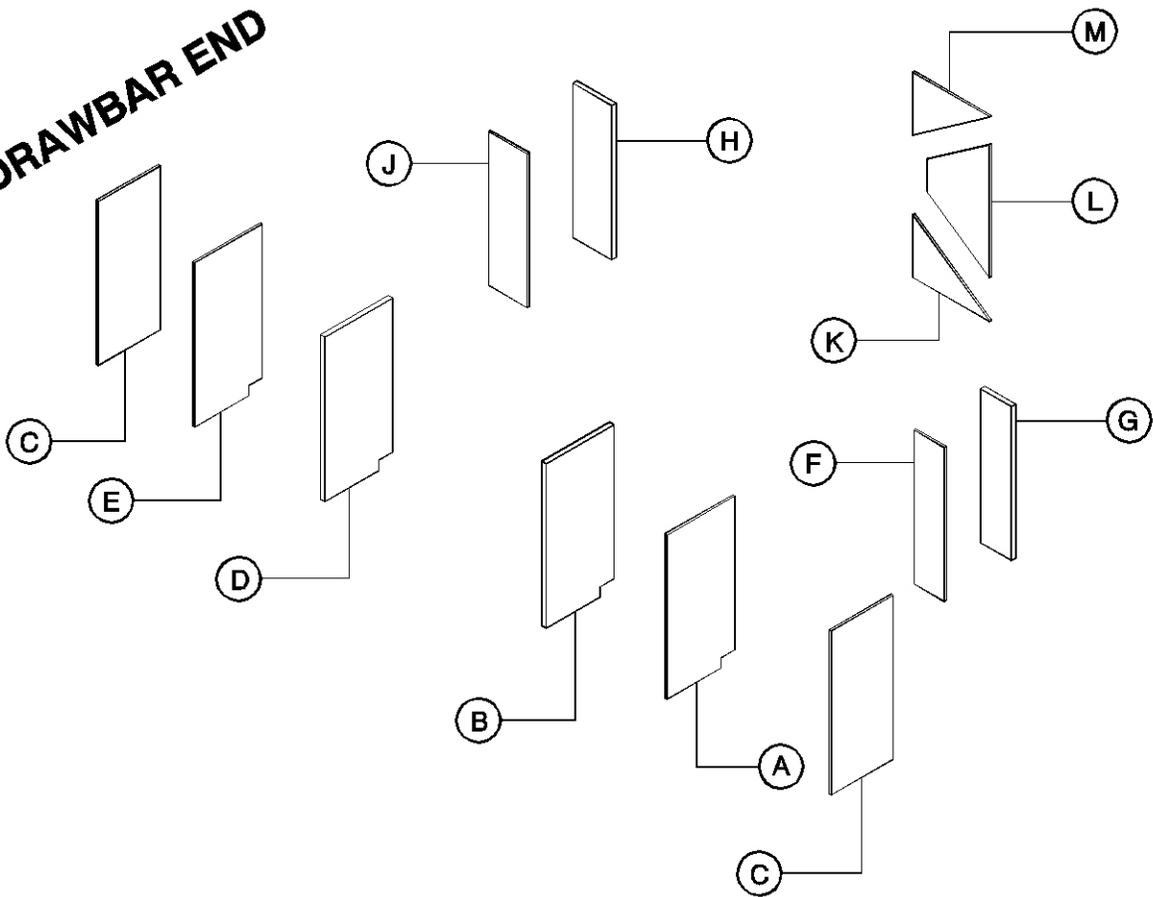
High Speed Running Gear Acoustics



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------|-----|------------------|
| A | 54675848 | Foam, Splitter Baffle | 2 | |
| B | 54675830 | Foam, Splitter Baffle | 1 | |
| C | 54675822 | Foam, L.H. Baffle | 1 | |
| D | 54675806 | Foam, L.H. Baffle | 1 | |
| E | 54675814 | Foam, L.H. | 1 | |
| F | 54685334 | Foam, R.H. | 1 | |
| G | 54685326 | Foam, R.H. | 1 | |
| H | 54759550 | Fiberglass, Bottom Door | 1 | |
| J | 54759543 | Fiberglass, Center Door | 1 | |
| K | 54759535 | Fiberglass, Top Door | 1 | |

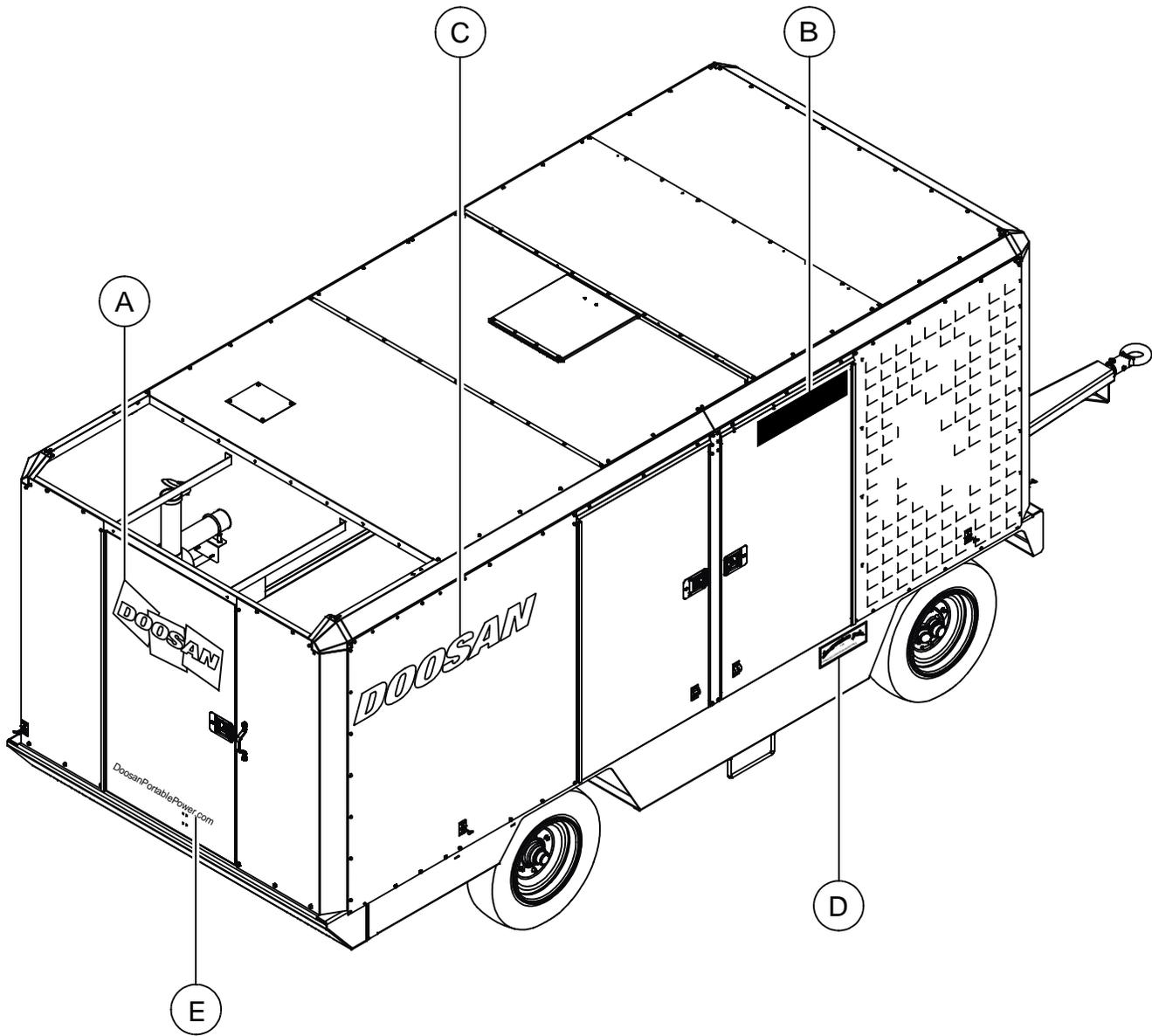
Wagon Wheel Acoustics

← DRAWBAR END



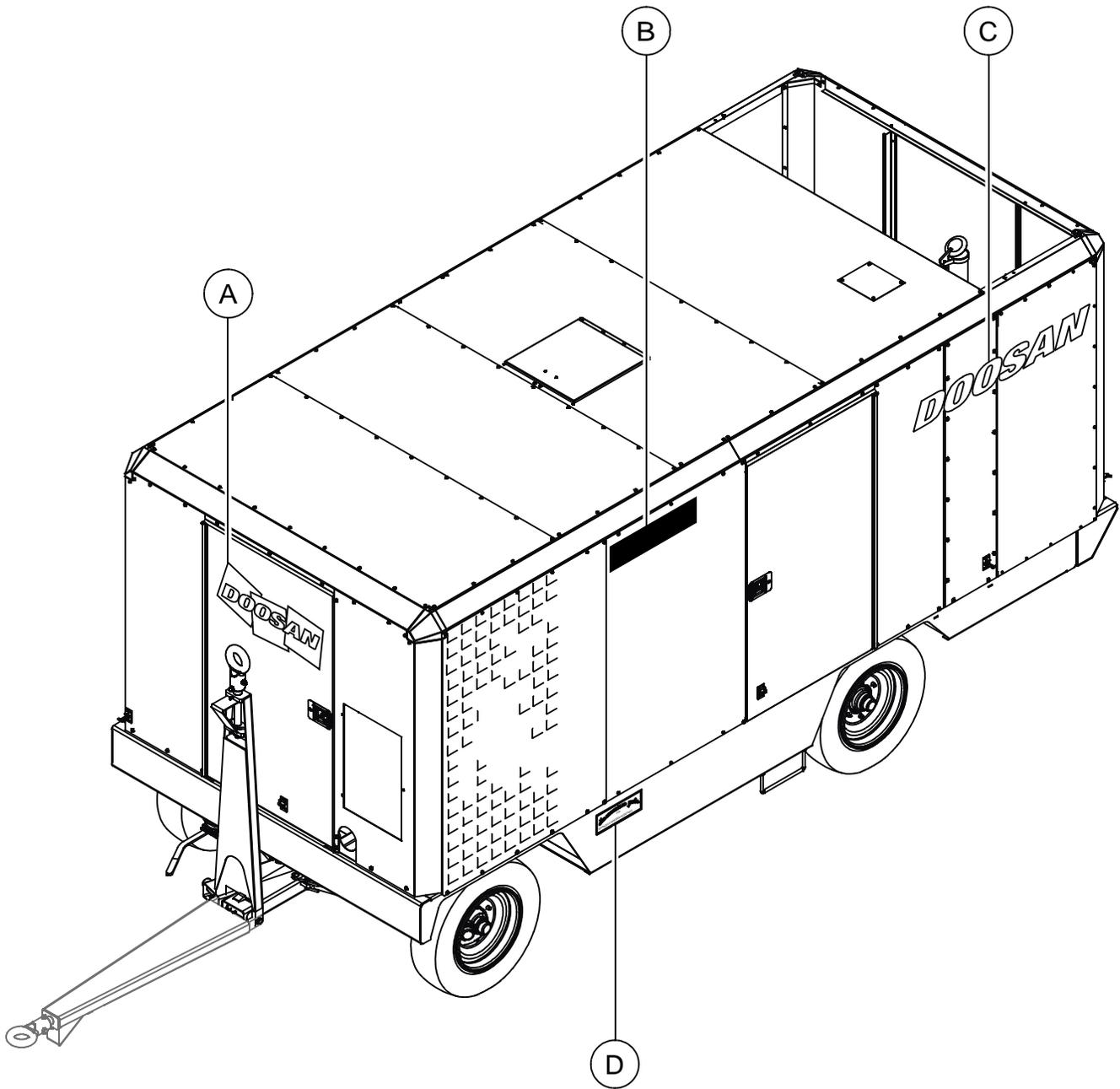
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------|-----|------------------|
| A | 54691134 | Foam, L.H. Splitter Baffle | 1 | |
| B | 54691175 | Foam, L.H. Splitter Baffle | 1 | |
| C | 54691118 | Foam, Splitter Baffle | 1 | |
| D | 54691191 | Foam, R.H. Splitter Baffle | 1 | |
| E | 54691159 | Foam, R.H. Splitter Baffle | 1 | |
| F | 54691126 | Foam, L.H. Baffle | 1 | |
| G | 54691167 | Foam, L.H. Baffle | 1 | |
| H | 54691183 | Foam, R.H. Baffle | 1 | |
| J | 54691142 | Foam, R.H. Baffle | 1 | |
| K | 54670459 | Fiberglass, Bottom Door | 1 | |
| L | 54760442 | Fiberglass, Middle Door | 1 | |
| M | 54760434 | Fiberglass, Top Door | 1 | |

Decal Location CRBSD Branding



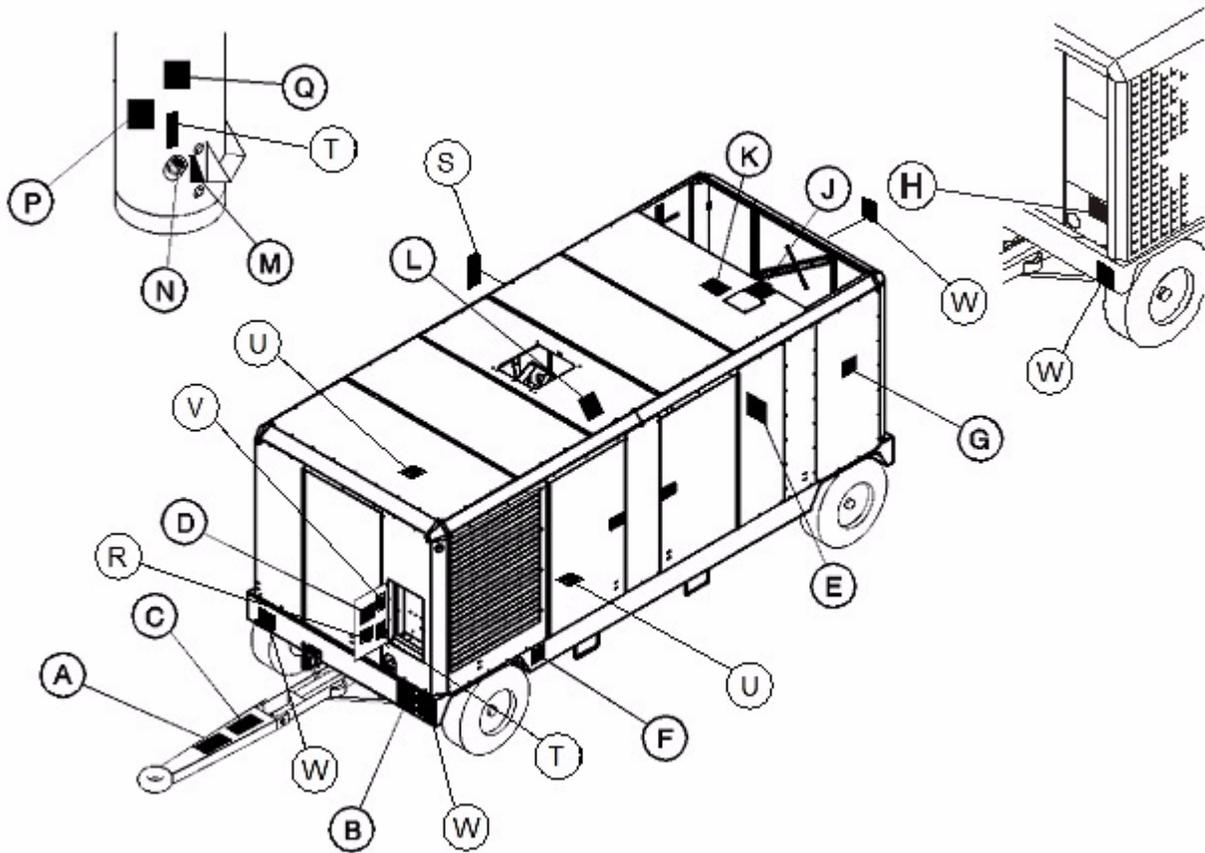
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A | 46573862 | Decal, 24" Tri-color Boxes | 1 | |
| B | 46574086 | Decal, XHP1170 Model Number | 1 | |
| C | 46573925 | Decal, Doosan Logo 55" | 1 | |
| D | 54413117 | Decal, Galvanneal | 1 | |
| E | 46554780 | Decal, Web Site | 1 | |

Decal Location STSD Branding



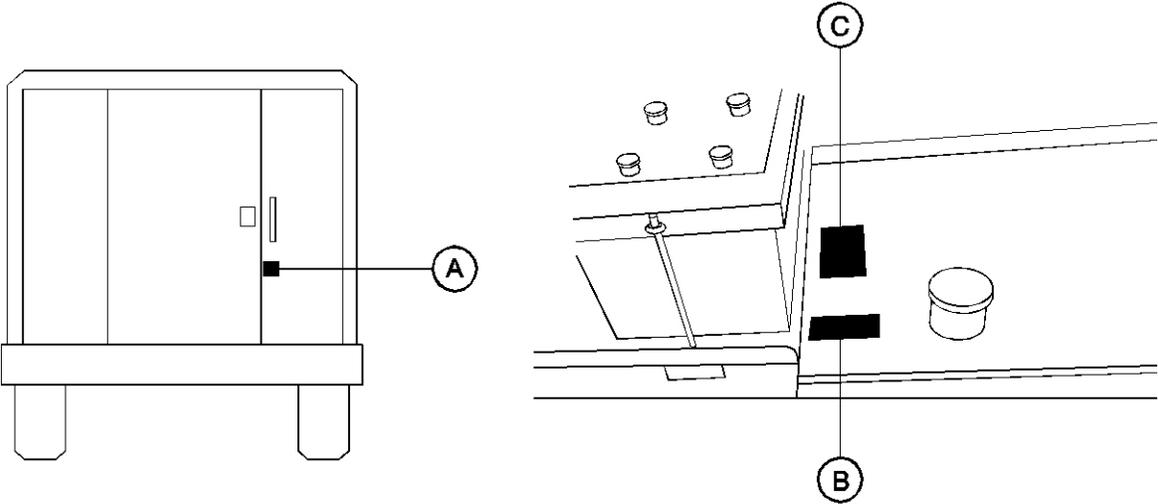
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A | 46573862 | Decal, 24" Tri-color Boxes | 1 | |
| B | 46574086 | Decal, XHP1170 Model Number | 1 | |
| C | 46573925 | Decal, Doosan Logo 55" | 1 | |
| D | 54413117 | Decal, Galvanneal | 1 | |

Decal Location



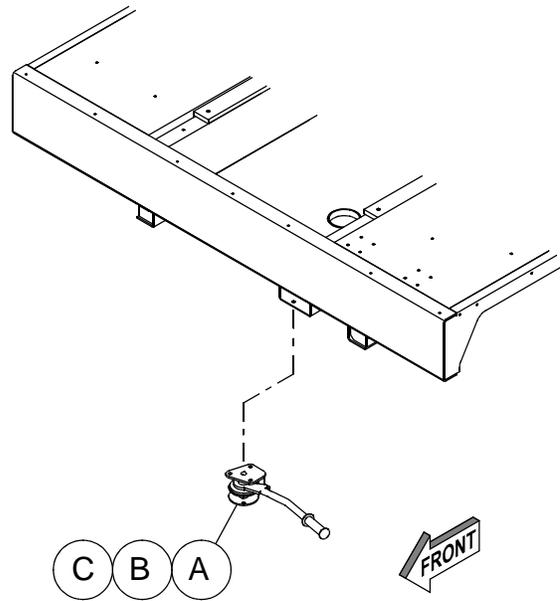
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------------|-----|------------------|
| A | 54568803 | Decal, Collapsing Jack | 1 | HSRG |
| B | 54629902 | 3-Part Warning Decal | 1 | |
| C | 22055701 | Decal, Trailer Sway | 1 | Wagon RG |
| D | 54568787 | Improper Operation Decal | 2 | |
| E | 54568779 | Rotating Fan Decal | 4 | |
| F | 54749205 | No Weld decal | 4 | |
| G | 54604939 | Fall Off Unit Decal | 4 | |
| H | 36514602 | Noise Emission Decal | 1 | |
| J | 54568761 | High Pressure Fluid Decal | 1 | |
| K | 54604962 | Radiator Fill Decal | 1 | |
| L | 54699400 | Lift Point Decal | 2 | |
| M | 22383319 | Oil Level Decal | 1 | |
| N | 54604970 | Oil Fill decal | 1 | |
| P | 54568795 | High Pressure Air Decal | 1 | |
| Q | 22054365 | IQ Operation Decal | 1 | |
| R | 22205603 | Decal, Operating Instructions | 1 | |
| S | 54629977 | Decal, ISO Central Drain | 1 | |
| T | 54640040 | Decal, Lubricant | 2 | |
| U | 23321961 | Decal, Low Sulfur Diesel | 2 | |
| V | 22056378 | Decal, ISO Operating Instructions | 1 | |
| W | 22164305 | Decal, Containment Notice | 4 | |

Decal Location



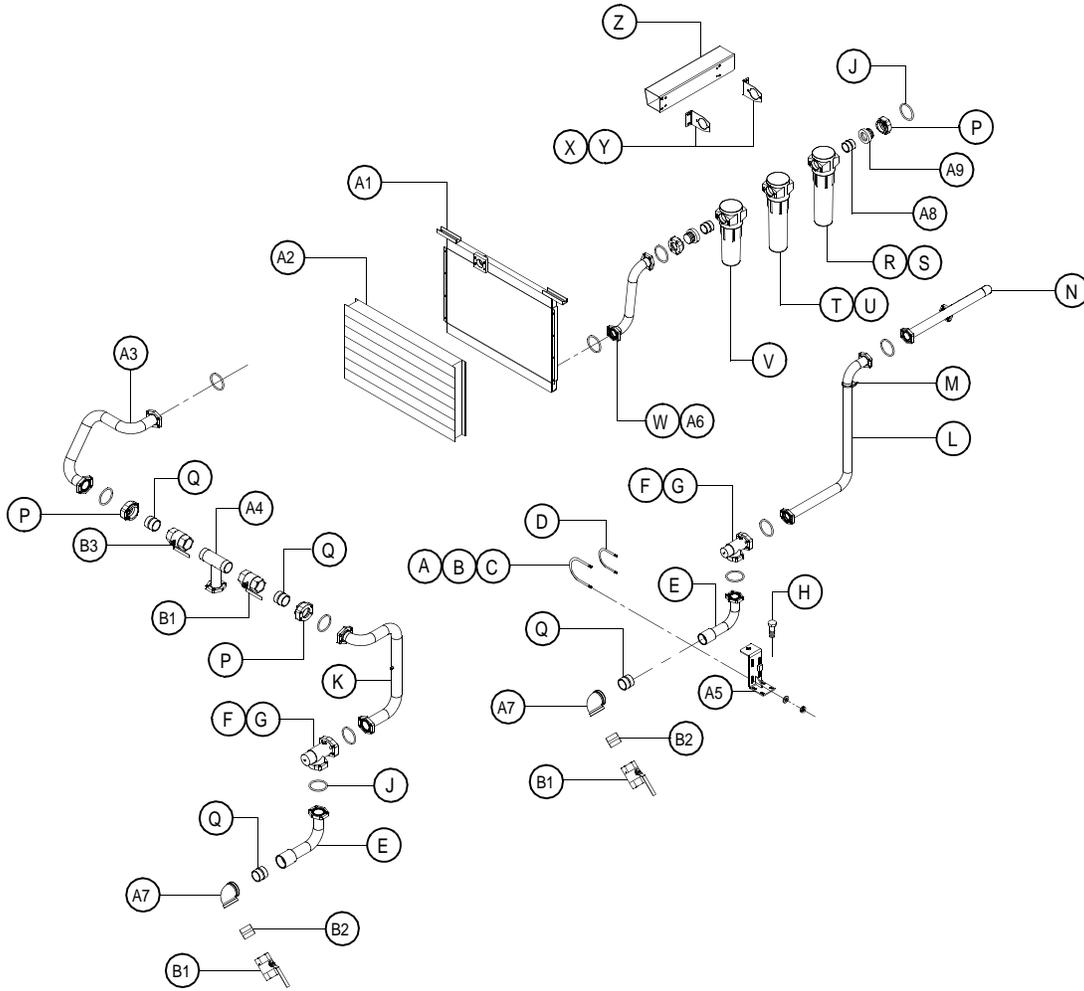
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------|-----|------------------|
| A | 54604988 | Door Under Pressure Decal | 1 | |
| B | 54625207 | Diesel Fuel Decal | 2 | |
| C | 54568753 | Battery Gas Decal | 1 | |

Wagon Wheel Parking Brake Assembly (Option)



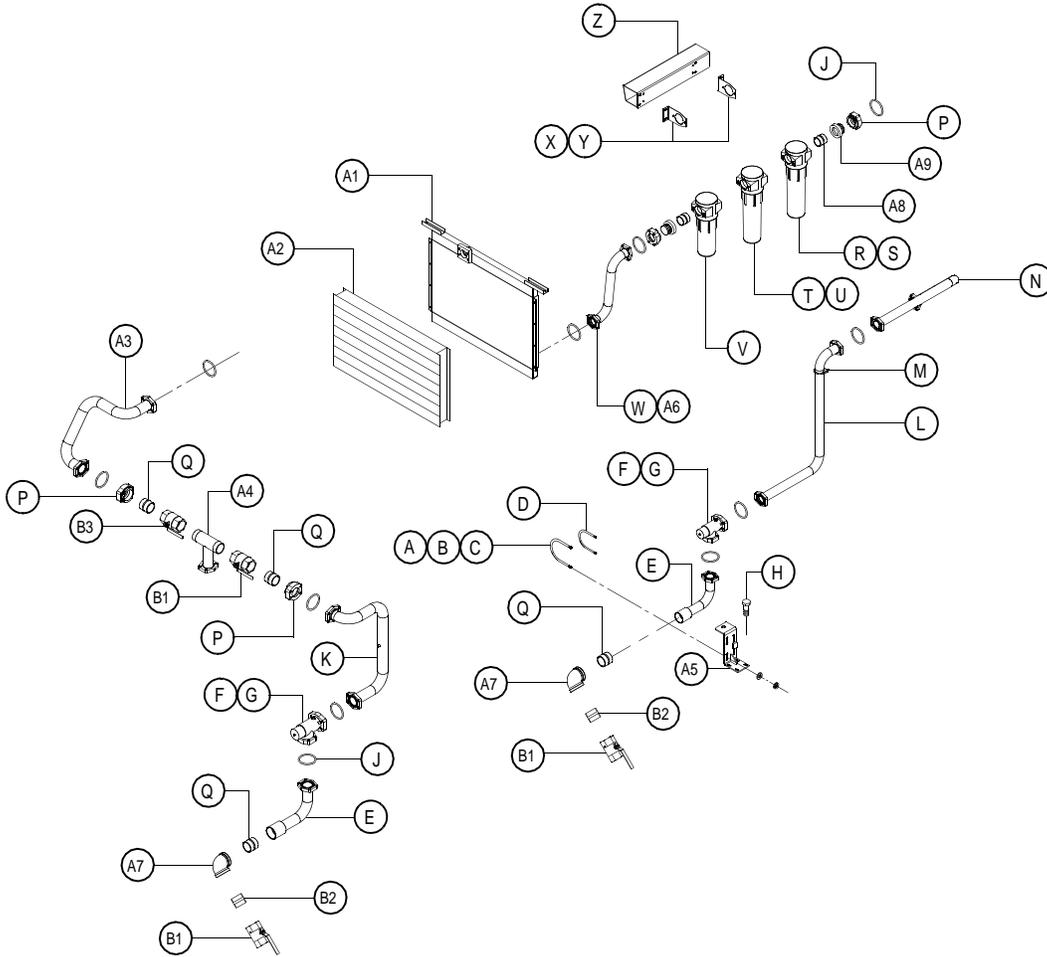
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| A | 22987549 | Brake Assembly, Cable and Lever | 1 | |
| B | 36888055 | Screw, Locking, M12 - 1.75 X 30 | 3 | |
| C | 35304047 | Nut, Locking, M12 - 1.75 | 3 | |

IQ Air Piping (Option)



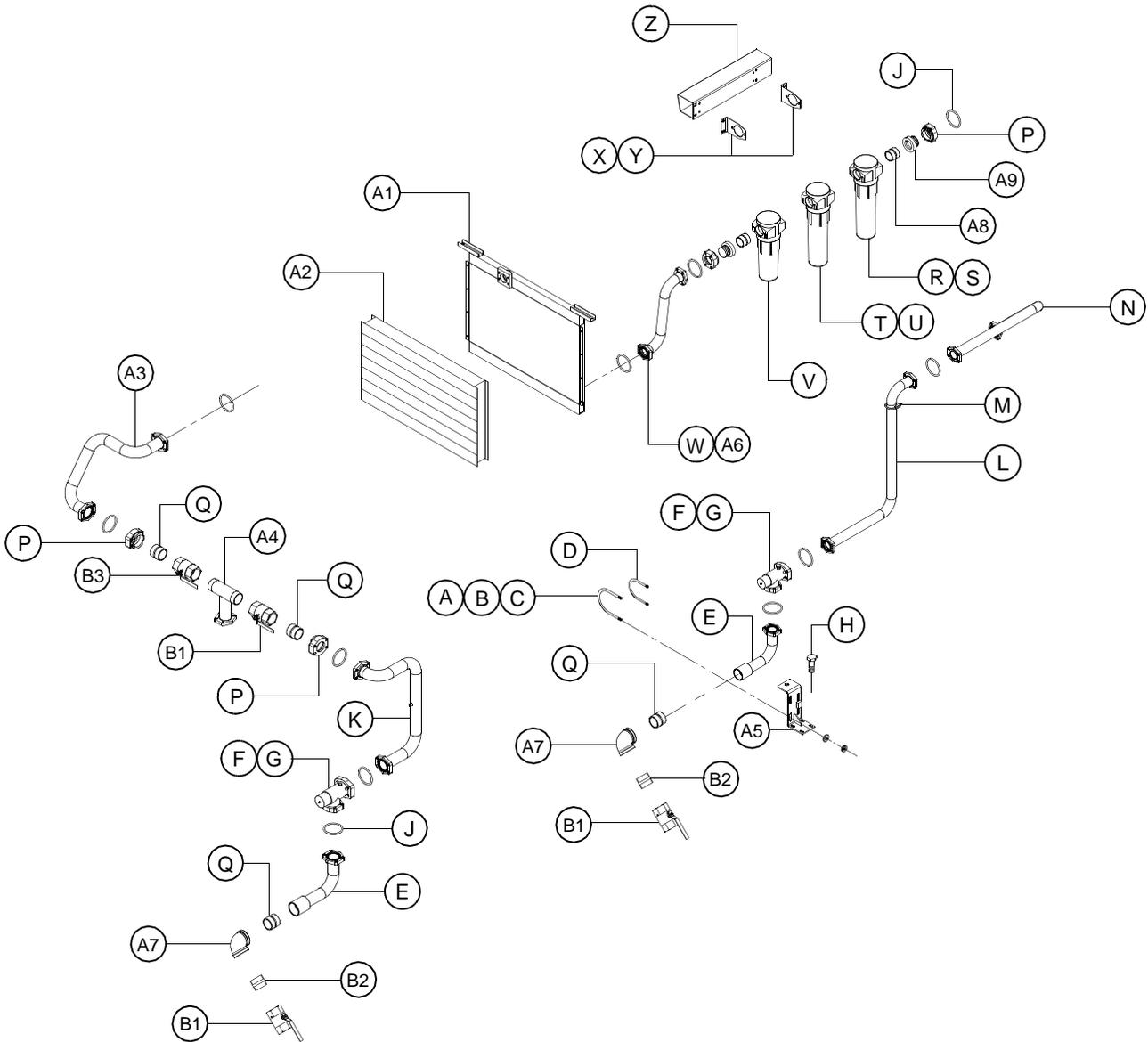
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------------|-----|----------------------|
| A | 36799419 | U-Bolt | 2 | |
| B | 95935003 | Washer | 8 | |
| C | 95922902 | Nut | 8 | |
| D | 35586288 | Clamp | 2 | |
| E | 36898120 | Pipe, Service (No PED with IQ) | 2 | |
| | 22205090 | Pipe, Service (PED with IQ) | 2 | |
| F | 54687504 | Valve, Minimum Pressure (No PED) | 2 | |
| | 22207526 | Valve, Minimum Pressure (With PED) | 2 | |
| G | 95929089 | Screw | 36 | |
| H | 35130293 | Screw | 8 | |
| J | 95357976 | O-Ring | 11 | |
| K | 22104525 | Pipe, Bypass (No PED with IQ) | 1 | |
| | 22205140 | Pipe, Bypass (PED with IQ) | 1 | |
| L | 54735055 | Pipe,Oulet (No PED with IQ) | 1 | |
| | 22205207 | Pipe,Oulet (PED with IQ) | 1 | |
| M | 35113646 | Clamp | 1 | |
| N | 54734983 | Pipe, Filter (No PED with IQ) | 1 | |
| | 22205199 | Pipe, Filter (PED with IQ) | 1 | Continued.... |

IQ Air Piping(Option)



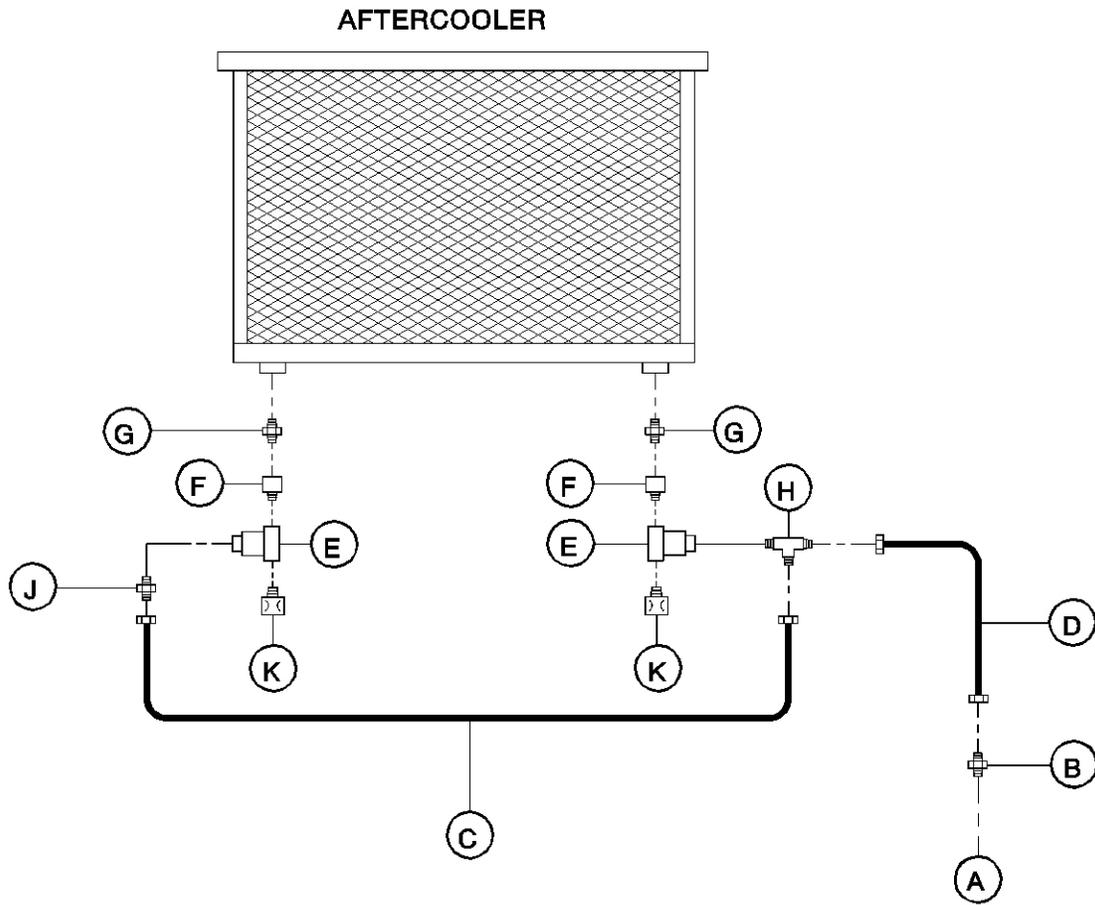
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|-----------------------|
| | | | | <i>.....Continued</i> |
| P | 36893220 | Adapter, Flange | 3 | |
| Q | 95940946 | Nipple | 6 | |
| R | 54738992 | Filter, Secondary | 1 | |
| S | 54739040 | Element, Filter | 1 | |
| T | 54731625 | Filter, Primary | 1 | |
| U | 54739032 | Element, Filter | 1 | |
| V | 54731617 | Separator, Water | 1 | |
| W | 54735097 | Pipe, Filter (No PED with IQ) | 1 | |
| | 22205157 | Pipe, Filter (PED with IQ) | 1 | |
| X | 54735204 | Kit, Bracket / Wedge | 1 | |
| Y | 54739008 | Kit, Wedge | 1 | |
| Z | 54732250 | Bracket, Filters | 1 | |
| A1 | 54699145 | Cooler Assembly | 1 | |
| A2 | 54700943 | Louver Assembly | 1 | |
| A3 | 22104533 | Tube, Inlet (No PED with IQ) | 1 | |
| | 22205132 | Tube, Inlet (PED with IQ) | 1 | |
| A4 | 22097489 | Pipe, Tee (No PED with IQ) | 1 | |
| | 22205116 | Pipe, Tee (PED) | 1 | Continued..... |

IQ Air Piping (Option)



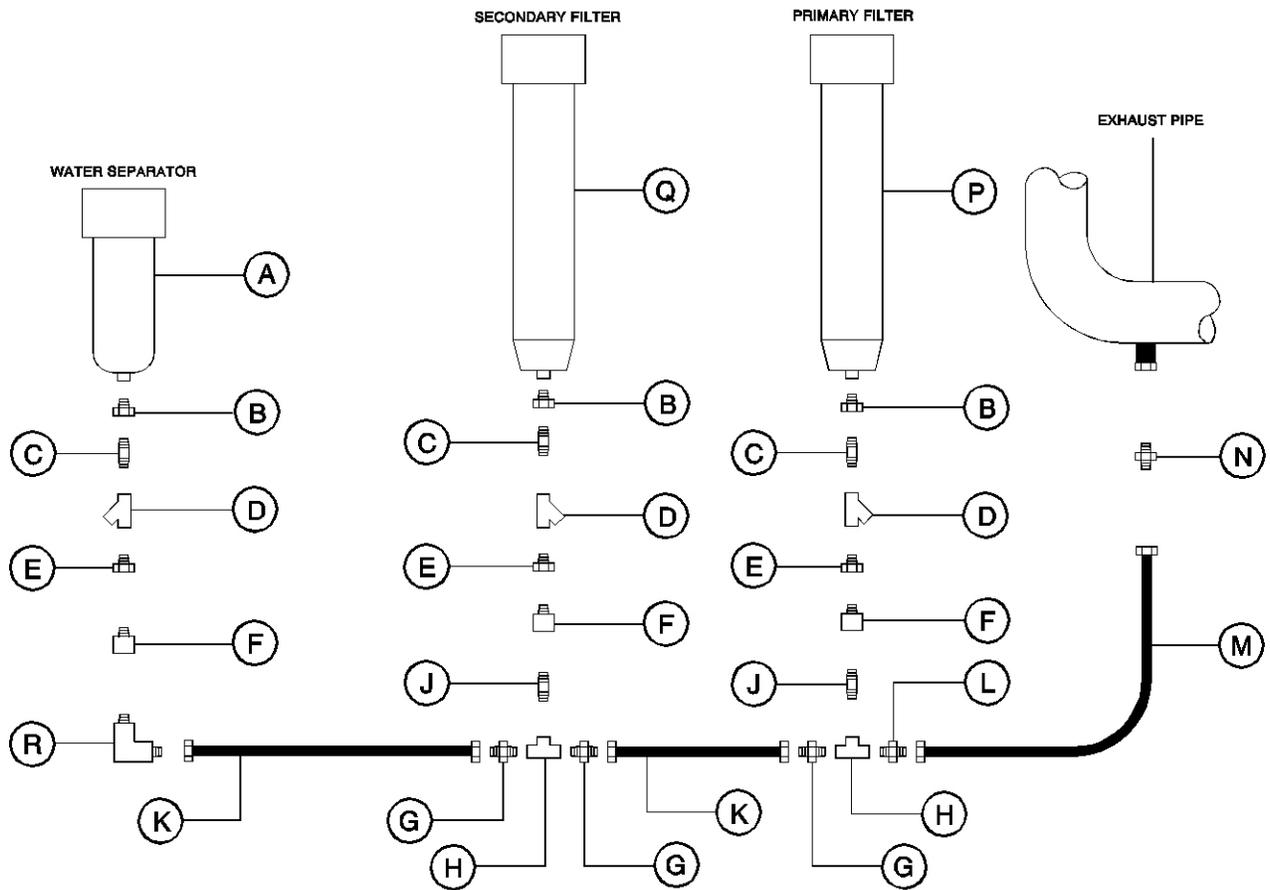
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|-----------------------|
| A5 | 54668314 | Support, Pipe | 2 |Continued |
| A6 | 95929089 | Screw | 32 | |
| A7 | 95954814 | Elbow | 2 | |
| A8 | 95953790 | Nipple | 2 | |
| A9 | 95951398 | Bushing | 2 | |
| B1 | 36755718 | Valve, Ball (MSA) | 3 | |
| | 22225213 | Valve, Ball (PED, with IQ) | 1 | |
| B2 | 54393210 | Nipple | 1 | |
| B3 | 36922995 | Valve, Ball (No PED, with IQ) | 1 | |

IQ Cooler Piping (Option)



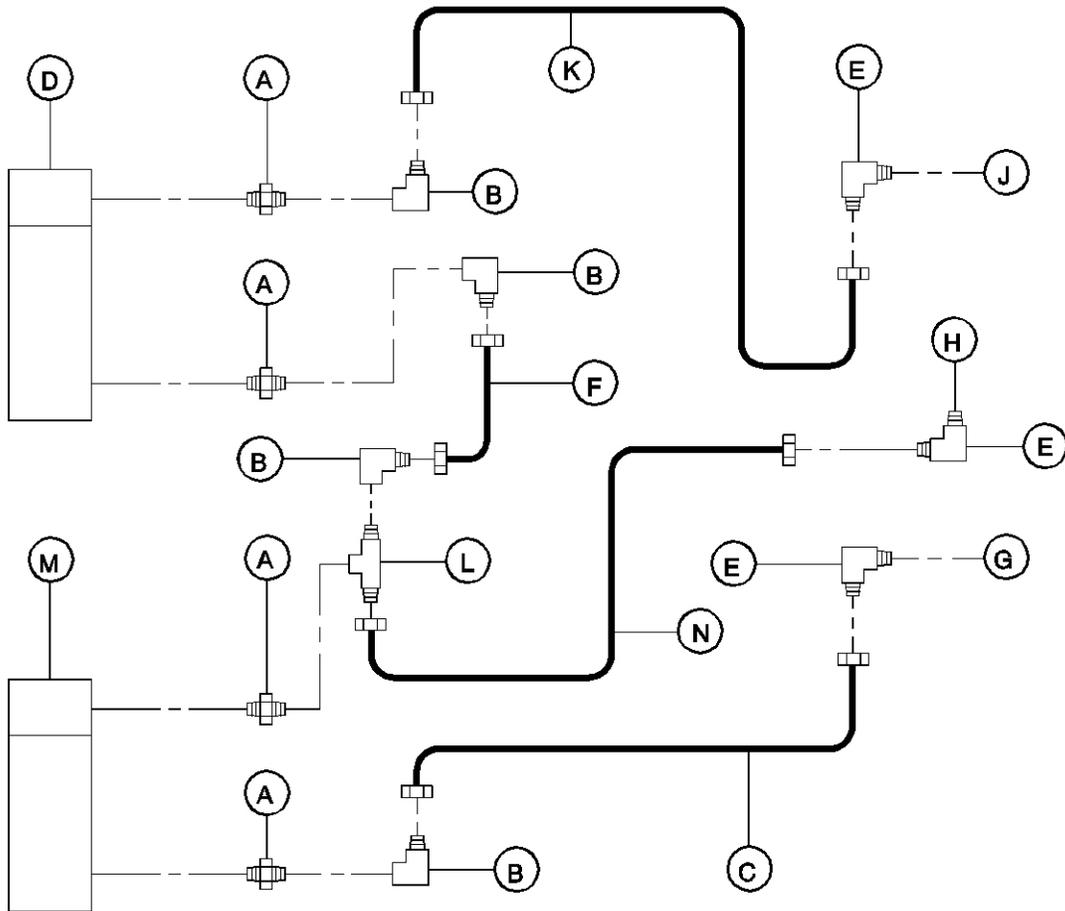
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------------------------------|-----|------------------|
| A | | To Side Outlet of Tee LH Side of Auto- Blowdown Valve | | |
| B | 35284082 | Connector | 1 | |
| C | 35310994 | Hose Assembly | 1 | |
| D | 35282987 | Hose Assembly | 1 | |
| E | 35322379 | Valve, Blowdown | 1 | |
| | 35379064 | Diaphragm Kit | 1 | |
| F | 35367846 | Reducer | 1 | |
| G | 35284082 | Connector | 1 | |
| H | 35283050 | Tee | 1 | |
| J | 35284082 | Connector | 1 | |
| K | 35248319 | Orifice, .094 | 1 | |
| | 23294820 | Sensor, Temperature | 1 | |

IQ Filter Piping (Option)



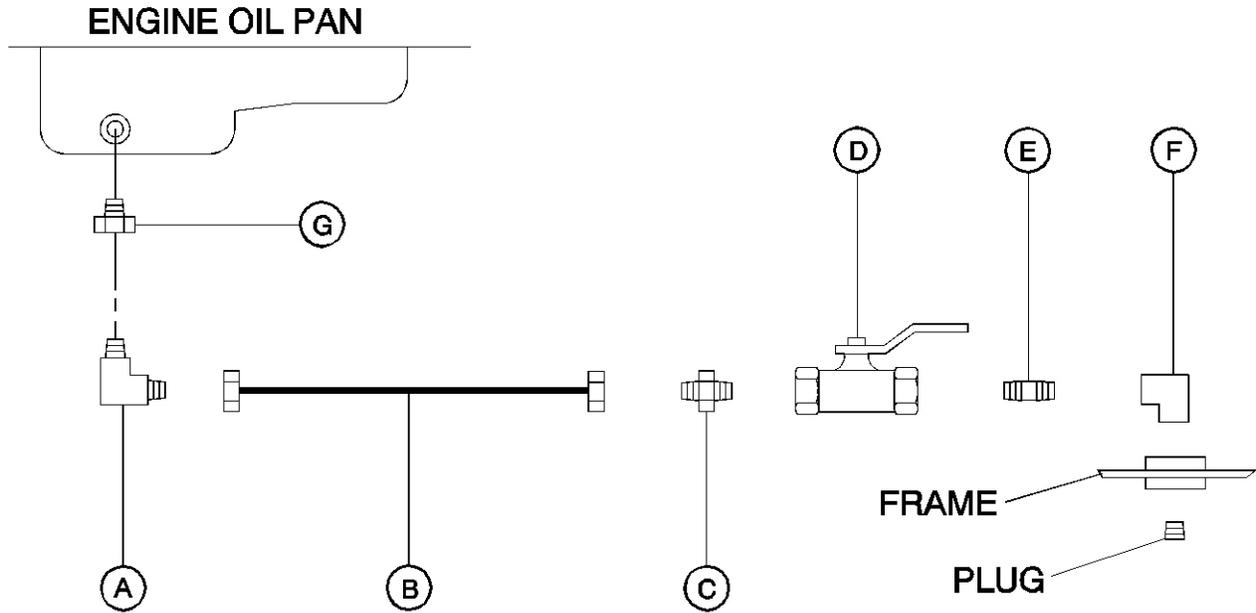
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------|-----|------------------|
| A | 54731617 | Separator, Water | 1 | |
| B | 95245353 | Adapter | 1 | |
| C | 95772562 | Nipple | 1 | |
| D | 36844579 | Y-Strainer (No PED with IQ) | 1 | |
| | 22225338 | Y-Strainer (PED with IQ) | 1 | |
| E | 95940748 | Bushing | 1 | |
| F | 37081528 | Orifice | 1 | |
| G | 35283472 | Connector | 1 | |
| H | 36882223 | Tee | 1 | |
| J | 95452025 | Nipple | 1 | |
| K | 35310960 | Hose Assembly | 1 | |
| L | 35284082 | Connector | 1 | |
| M | 35284538 | Hose Assembly | 1 | |
| N | 35321983 | Union | 1 | |
| P | 54731625 | Filter, Primary | 1 | |
| Q | 54738992 | Filter, Secondary | 1 | |
| R | 35283464 | Elbow | 1 | |

IQ Indicator Piping (Option)



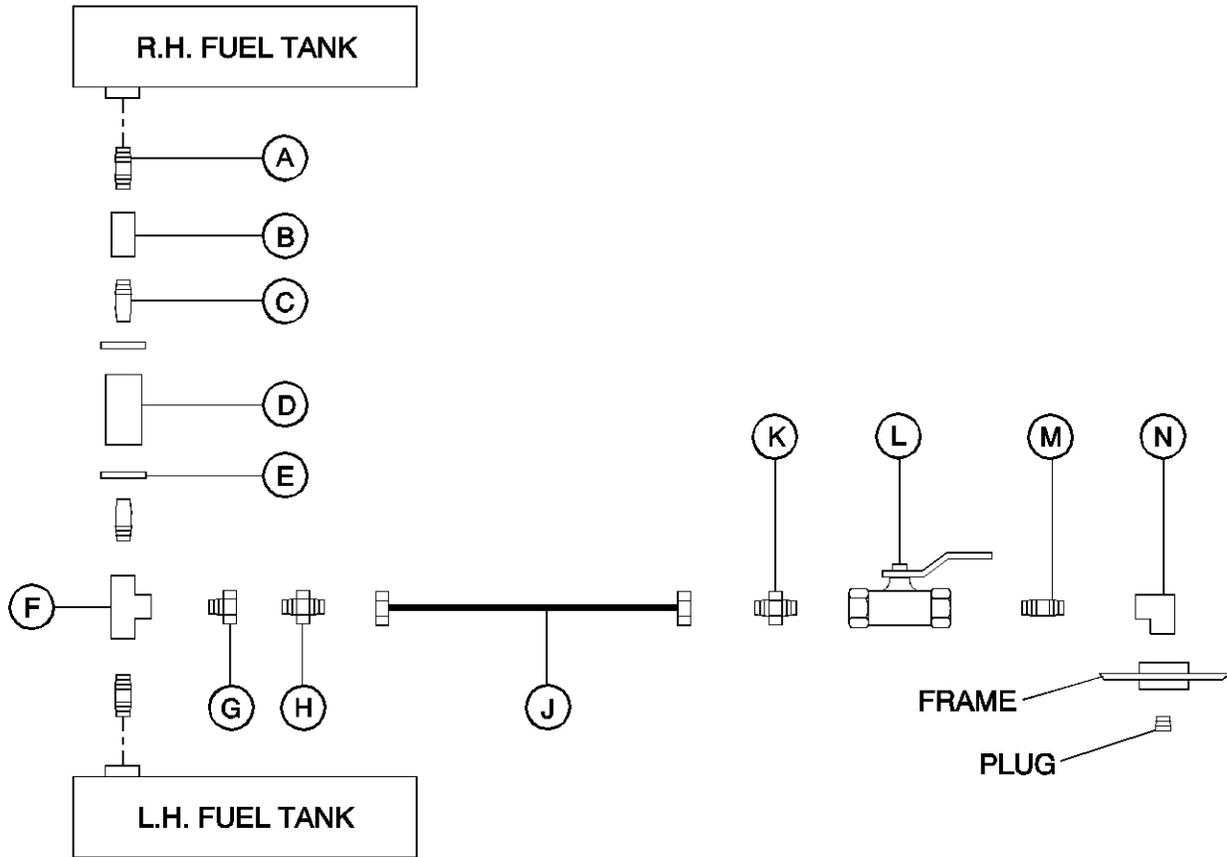
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| A | 36898401 | Connector | 1 | |
| B | 35290352 | Elbow | 1 | |
| C | 35310226 | Hose Assembly | 1 | |
| D | 36899599 | Indicator, 20 psi | 1 | |
| E | 35283464 | Elbow | 1 | |
| F | 35310960 | Hose Assembly | 1 | |
| G | | To Water Separator Tube | | |
| H | | To First Stage Filter Separator | | |
| J | | To Filter Outlet Tube | | |
| K | 35323757 | Hose Assembly | 1 | |
| L | 35323591 | Tee | 1 | |
| M | 36899615 | Indicator, 25 psi | 1 | |
| N | 36920650 | Hose Assembly | 1 | |

Engine Oil Drain Piping (Option)



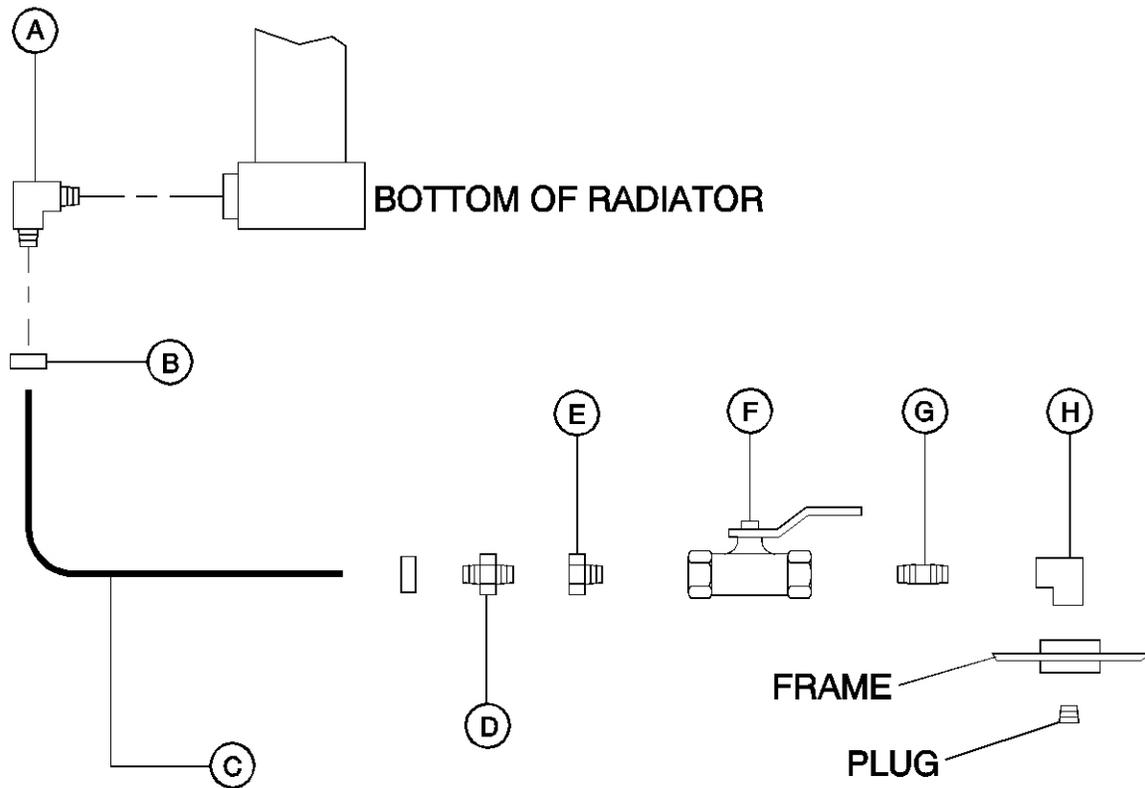
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------|-----|------------------|
| A | 35294750 | Elbow | 1 | |
| B | 35323880 | Hose Assembly | 1 | |
| C | 95219747 | Connector | 1 | |
| D | 35576115 | Valve, Ball | 1 | |
| E | 95928040 | Nipple | 1 | |
| F | 95928172 | Elbow | 1 | |
| G | 95944617 | Bushing | 1 | |

Fuel Tank Drain Piping (Option)



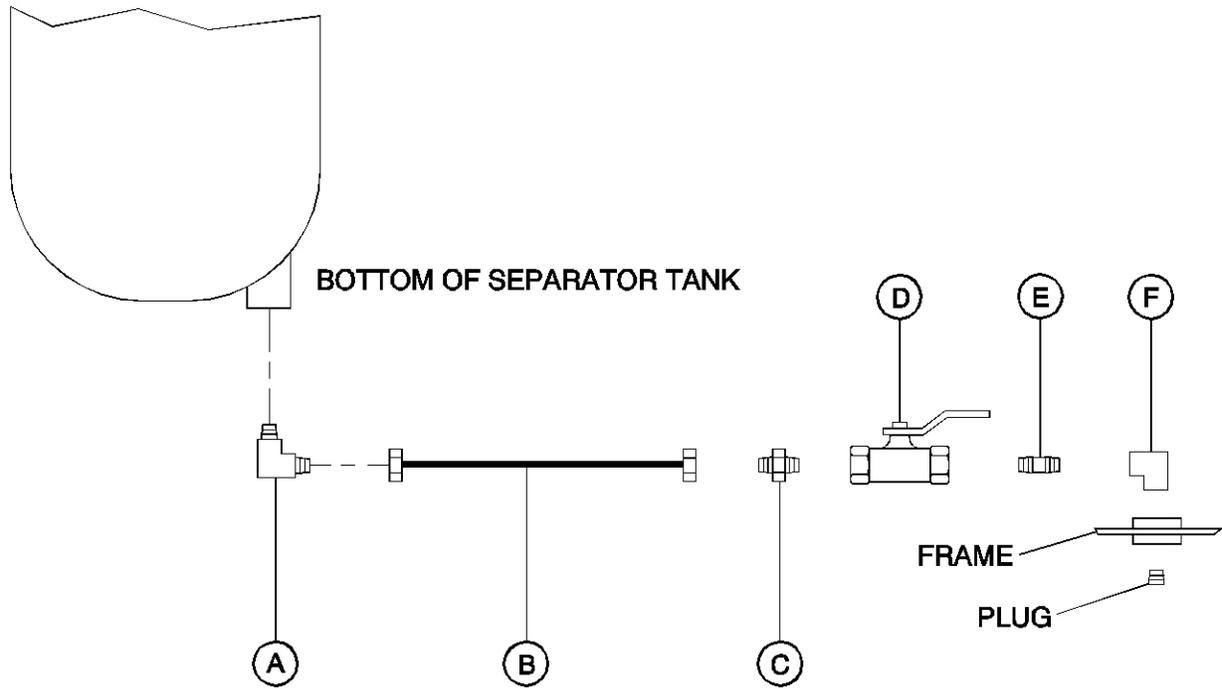
| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------|-----|------------------|
| A | 95953535 | Nipple | 2 | |
| B | 95937454 | Connector | 1 | |
| C | 54762190 | Fitting, Hose | 2 | |
| D | 36898328 | Hose, 138" | 1 | |
| E | 35221662 | Clamp | 2 | |
| F | 95954285 | Tee | 1 | |
| G | 95953873 | Reducer | 1 | |
| H | 95219747 | Connector | 1 | |
| J | 36898328 | Hose Assembly | 1 | |
| K | 95219747 | Connector | 1 | |
| L | 35576115 | Valve, Ball | 1 | |
| M | 95928040 | Nipple | 1 | |
| N | 95928172 | Elbow | 1 | |

Radiator Drain Piping (Option)



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------|-----|------------------|
| A | 35366665 | Elbow | 1 | |
| B | 95220844 | Clamp | 2 | |
| C | 35326578 | Hose (110 Inches) | 1 | |
| D | 35326560 | Fitting, Hose | 1 | |
| E | 95953949 | Reducer | 1 | |
| F | 35576115 | Valve, Ball | 1 | |
| G | 95928040 | Nipple | 1 | |
| H | 95928172 | Elbow | 1 | |

Separator Tank Drain Piping (Option)



| ITEM | COMM. NO. | DESCRIPTION | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------|-----|------------------|
| A | 35294750 | Elbow | 1 | |
| B | 36878254 | Hose Assembly | 1 | |
| C | 95219747 | Connector | 1 | |
| D | 35576115 | Valve, Ball | 1 | |
| E | 95928040 | Nipple | 1 | |
| F | 95928172 | Elbow | 1 | |



WIRING DIAGRAMS

WEDGE SERVICE DIAGNOSTICS

SYSTEM PARAMETERS CAN BE READ ON THE WEDGE 4 DIGIT DISPLAY WHEN THE ON/OFF POWER SWITCH IS IN "ON".

- IF THE ENGINE IS RUNNING, MOMENTARILY TURN THE ON/OFF START SWITCH TO "START" TO STEP THROUGH THE DISPLAY NUMBERS.
- IF THE ENGINE IS NOT RUNNING, PRESS AND RELEASE THE SERVICE AIR SWITCH TO STEP THROUGH THE DISPLAY NUMBERS.
- AFTER SELECTION, THE DISPLAY NUMBER (2-20) WILL BE DISPLAYED FOR ONE (1) SECOND, THEN THE PARAMETER VALUE WILL BE DISPLAYED.
- AFTER STEPPING THROUGH NUMBER 20, THE DISPLAY WILL START OVER AT NUMBER 2.
- THE DISPLAY WILL AUTOMATICALLY RETURN TO NORMAL MODE AFTER 3 MINUTES.

| DISPLAY | PARAMETER | REMARKS |
|---------|-----------------------------|-------------------------------------------|
| 2 | RPM | ACTUAL FROM ENGINE FLYWHEEL SENSOR |
| 3 | ENGINE RPM | FILTERED RPM VALUE |
| 4 | REGULATION SYSTEM PRESSURE | PSI |
| 5 | SEPARATOR TANK PRESSURE | PSI |
| 6 | DISCHARGE TEMPERATURE | DEGREES FAHRENHEIT |
| 7 | SEPARATOR TANK TEMPERATURE | DEGREES FAHRENHEIT |
| 8 | ENGINE TARGET RPM | WEDGE SIGNAL TO ENGINE |
| 9 | MACHINE I. D. | CONSULT FACTORY |
| 10 | ENGINE COOLANT TEMPERATURE | DEGREES FAHRENHEIT |
| 11 | ENGINE OIL TEMPERATURE | DEGREES FAHRENHEIT |
| 12 | ENGINE OIL PRESSURE | PSI |
| 13 | INTAKE MANIFOLD TEMPERATURE | DEGREES FAHRENHEIT |
| 14 | RPM | ENGINE CONTROLLER (ECM) |
| 15 | ENGINE FAULT CODE LIST | FROM ENGINE ECM |
| 16 | THROTTLE POSITION | |
| 17 | BOOST PRESSURE | PSI |
| 18 | ENGINE HOURS | |
| 19 | LOAD AT SPEED | PERCENT (%) |
| 20 | SET MACHINE ID | (NOT AVAILABLE WHEN MACHINE IS RUNNING) |

XHP1170CAT/CATF-EX-T3

Wedge Diagnostic Display Codes



If the

fault indicator lamp is illuminated, refer to the



Alert/Shutdown list.



If the

fault indicator lamp is illuminated, refer to the



Engine diagnostic list.

| Condition | Alert | | | Shut Down | | |
|-----------------------------------------------------|-------|------------------------|------|------------------------|--------------|--|
| | Code | Light (Blinks) | Code | Light (Steady) | Delay (sec.) | |
| Engine Speed < 950 RPM | | | 1 | Compressor Malfunction | 30 | |
| Engine Speed > 1950 RPM | | | 2 | Compressor Malfunction | 30 | |
| Engine Crank Time Exceeded 15 sec | | | 3 | Compressor Malfunction | 0 | |
| Engine Not Responding To Throttle | 10 | Compressor Malfunction | | | | |
| Too Many Start Attempts During Autostart | | | 11 | Compressor Malfunction | 0 | |
| Engine Shut Down: reason unknown | | | 29 | Compressor Malfunction | 0 | |
| Discharge Temperature (RT2) Sensor Fault | | | 32 | Compressor Malfunction | 10 | |
| Separator Tank Pressure (PT1) Sensor Fault | 33 | Compressor Malfunction | | | | |
| Separator Tank Pressure >20 PSI During Start | | | 34 | Compressor Malfunction | 0 | |
| Separator Tank Pressure (PT1) > 410 PSI | | | 35 | Compressor Malfunction | 1 | |
| Safety Valve Open | | | 36 | Compressor Malfunction | 2 | |
| Separator Tank Temperature >248deg. F | | | 50 | Compressor Malfunction | 3 | |
| Machine ID Not Valid | | | 51 | Compressor Malfunction | 0 | |
| Separator Tank Temp. (RT1) Sensor Fault | | | 53 | Compressor Malfunction | 10 | |
| Reg. Sys. Pressure (PT2) Sensor Fault | 54 | Compressor Malfunction | | | | |
| Estop Button Pushed | 55 | Compressor Malfunction | 55 | Compressor Malfunction | 3 | |
| Minimum Pressure Not Met | 56 | Compressor Malfunction | | | | |
| RS232 Serial Communication Failure | 70 | Compressor Malfunction | | | | |
| Engine ECM Communication Failure | 71 | Compressor Malfunction | | | | |
| Auto Start/Stop Module Communication Fault (Note 1) | 73 | Compressor Malfunction | 73 | Compressor Malfunction | 0 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

ALERT/SHUTDOWN CONDITIONS



WEDGE: 22173579 - SOFTWARE V2.07 to V2.25
 WEDGE: 46636279 - SOFTWARE V3.00 and GREATER



Engine Malfunction Diagnostic Light



ENGINE DIAGNOSTIC CODES

| CODE | DEFINITION |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13 | FUEL TEMPERATURE OPEN/SHORT TO POSITIVE (+) BATTERY FUEL TEMPERATURE SHORT TO GROUND |
| 21 | 5 VOLT SENSOR DC POWER SUPPLY SHORT TO POSITIVE (+) BATTERY 5 VOLT SENSOR DC POWER SUPPLY SHORT TO GROUND 8 VOLT DC SUPPLY SHORT TO POSITIVE (+) BATTERY 8 VOLT DC SUPPLY SHORT TO GROUND |
| 24 | ENGINE OIL PRESSURE OPEN/SHORT TO POSITIVE (+) BATTERY ENGINE OIL PRESSURE SHORT TO GROUND ENGINE OIL PRESSURE ABNORMAL RATE OF CHANGE |
| 25 | BOOST PRESSURE SENSOR ABNORMAL RATE OF CHANGE BOOST PRESSURE SENSOR OPEN/SHORT TO POSITIVE (+) BATTERY BOOST PRESSURE SENSOR SHORT TO GROUND |
| 26 | ATMOSPHERIC PRESSURE OPEN/SHORT POSITIVE (+) BATTERY ATMOSPHERIC PRESSURE SHORT TO GROUND |
| 27 | ENGINE COOLANT TEMPERATURE OPEN/SHORT TO POSITIVE (+) BATTERY ENGINE COOLANT TEMPERATURE SHORT TO GROUND |
| 28 | THROTTLE POSITION CALIBRATION REQUIRED |
| 32 | THROTTLE POSITION SIGNAL ABNORMAL |
| 34 | ENGINE SPEED SIGNAL ABNORMAL SECONDARY ENGINE SPEED SIGNAL ABNORMAL |
| 35 | ENGINE OVERSPEED WARNING / SHUT DOWN |

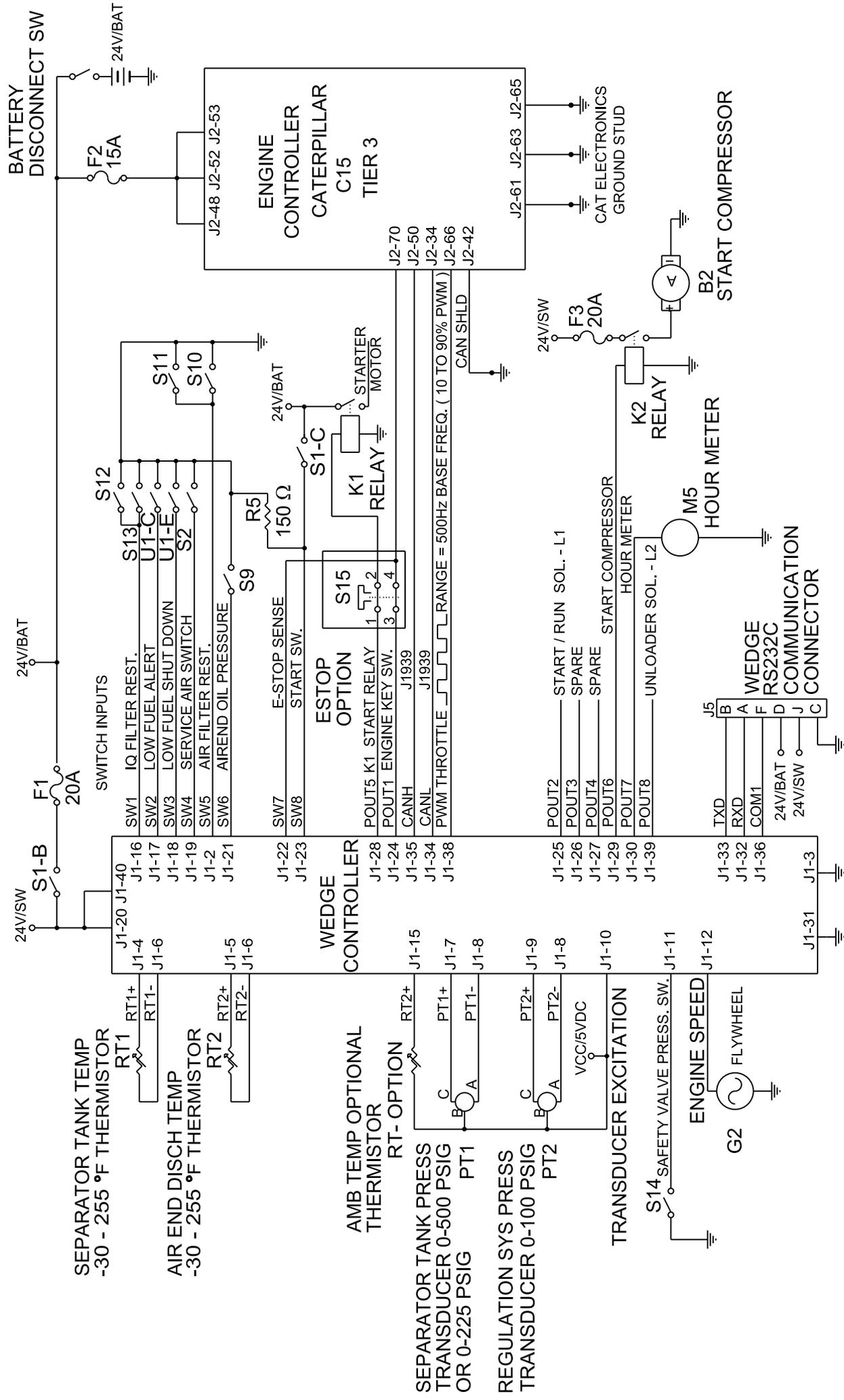


Engine Malfunction Diagnostic Light



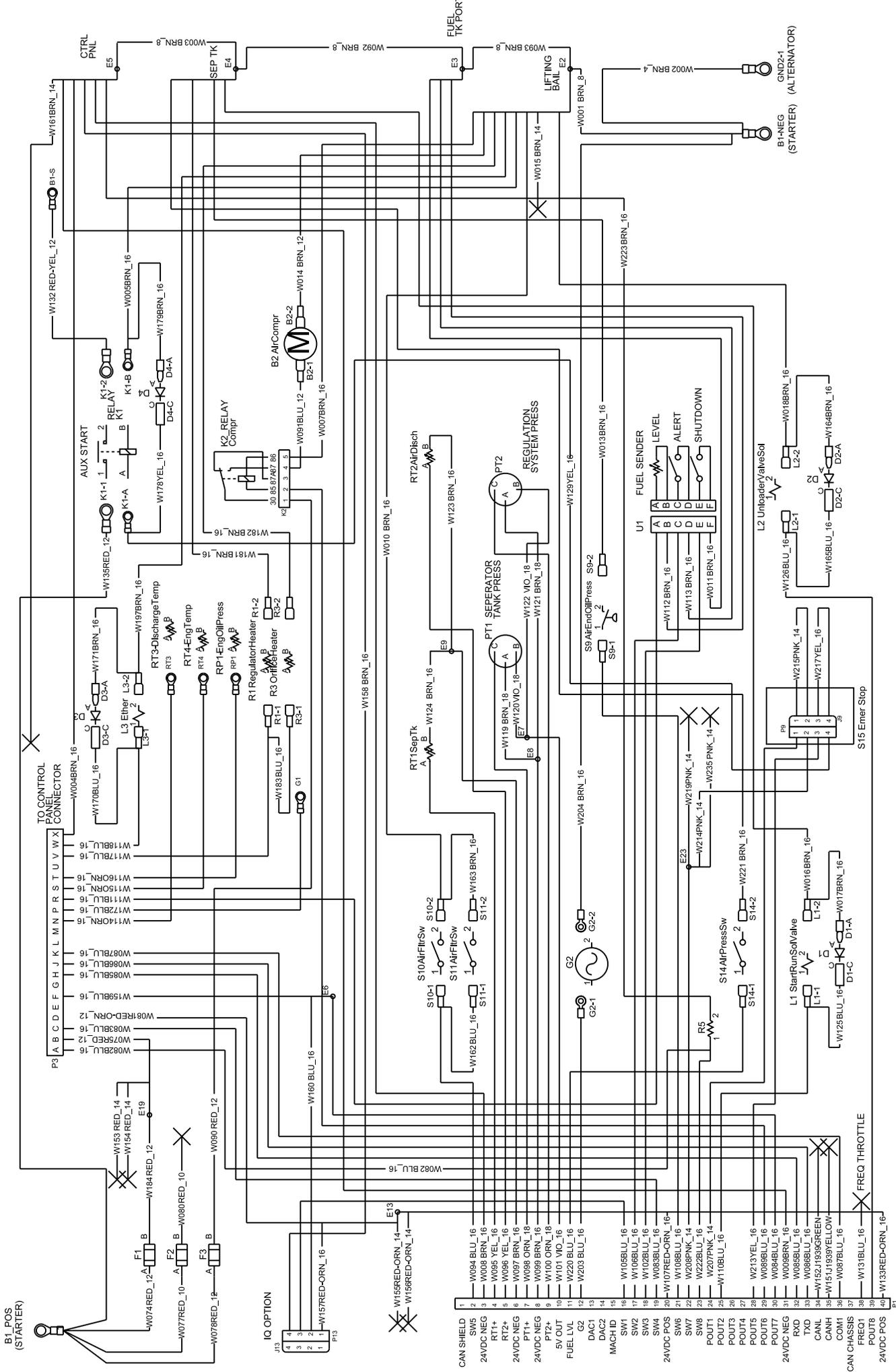
ENGINE DIAGNOSTIC CODES

| CODE | DEFINITION |
|------|---------------------------------------------------------------------------------------|
| 37 | FUEL PRESSURE OPEN/SHORT TO POSITIVE (+) BATTERY OR SHORT TO GROUND |
| 38 | INTAKE MANIFOLD AIR TEMPERATURE OPEN/SHORT TO POSITIVE (+) BATTERY OR SHORT TO GROUND |
| 39 | INJECTOR ACTUATION PRESSURE SIGNAL ERRATIC / HIGH / LOW / FAULT |
| 42 | ENGINE TIMING CALIBRATION REQUIRED |
| 46 | LOW ENGINE OIL PRESSURE WARNING / DERATE / SHUT DOWN |
| 51 | SYSTEM VOLTAGE INTERMITTENT / ERRATIC / HIGH / LOW |
| 56 | CHECK PROGRAMMABLE PARAMETERS |
| 58 | J1939 DATA LINK COMMUNICATIONS |
| 61 | HIGH ENGINE COOLANT TEMPERATURE WARNING / DERATE / SHUT DOWN |
| 62 | LOW ENGINE COOLANT LEVEL WARNING / DERATE / SHUT DOWN |
| 63 | HIGH FUEL PRESSURE WARNING |
| 64 | HIGH INLET AIR TEMPERATURE WARNING / SHUT DOWN |
| 65 | HIGH FUEL TEMPERATURE WARNING / DERATE / SHUT DOWN |
| 71 | INJECTOR CYLINDER #1 FAULT |
| 72 | INJECTOR CYLINDER #2 FAULT |
| 73 | INJECTOR CYLINDER #3 FAULT |
| 74 | INJECTOR CYLINDER #4 FAULT |
| 75 | INJECTOR CYLINDER #5 FAULT |
| 76 | INJECTOR CYLINDER #6 FAULT |
| | |
| | |



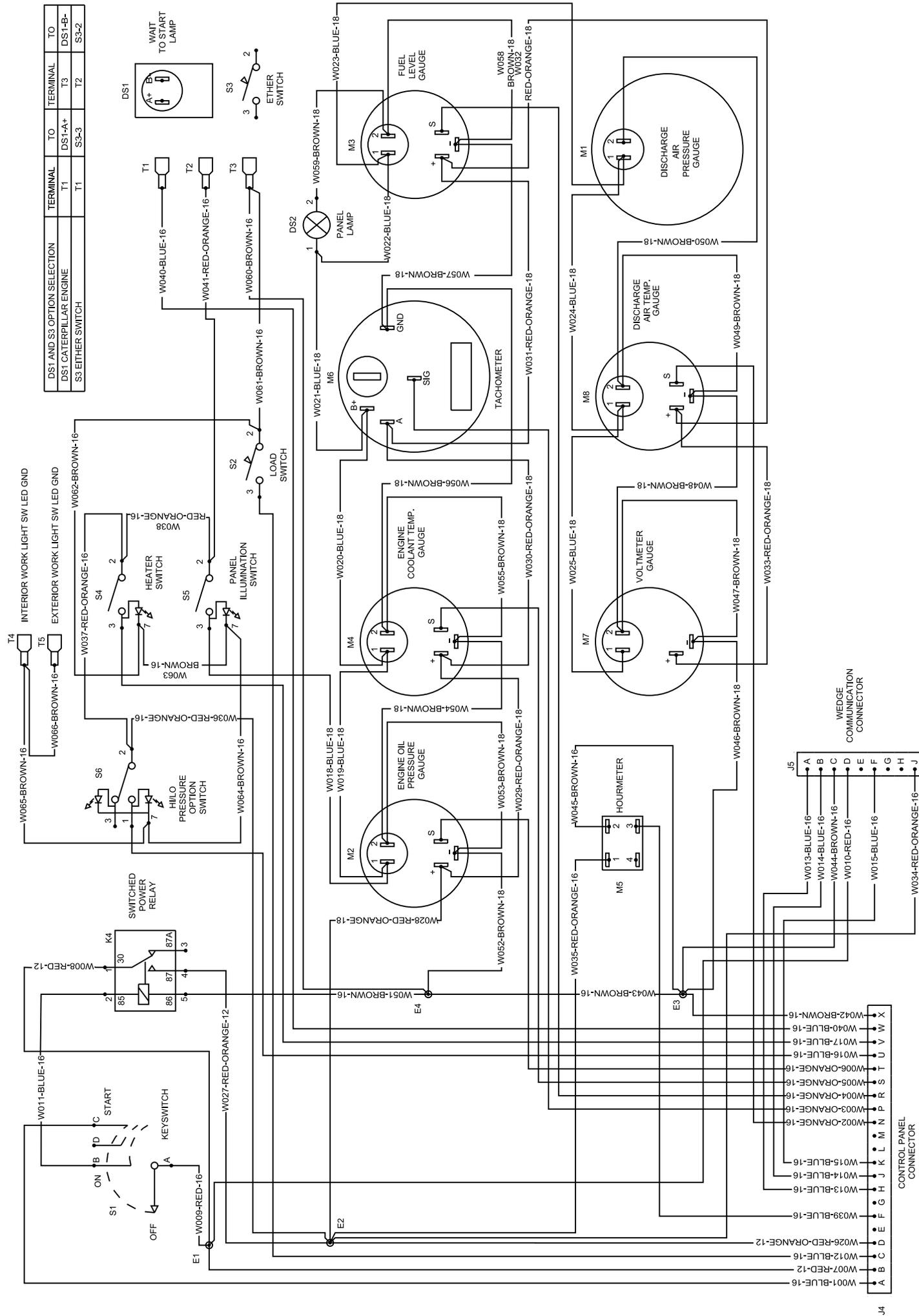
XHP1170CAT/CATF-EX-T3 CONTROL SYSTEM SCHEMATIC

XHP1170CAT/CATF-EX-T3



XHP1170CAT/CATF-EX-T3 CHASSIS HARNESS WIRING DIAGRAM

XHP1170CAT/CATF-EX-T3



| DS1 AND S3 OPTION SELECTION | TERMINAL | TO | TERMINAL | TO |
|-----------------------------|----------|--------|----------|--------|
| DS1 CATERPILLAR ENGINE | T1 | DS1-A+ | T3 | DS1-B- |
| S3 EITHER SWITCH | T1 | S3-3 | T2 | S3-2 |

XHP1170CAT/CATF-EX-T3 CONTROL PANEL WIRING DIAGRAM

XHP1170CAT/CATF-EX-T3

| Item | Part No. | Description | Item | Part No. | Description | Item | Part No. | Description |
|------|----------|------------------------------|------|----------|------------------------------|------|----------|-------------------------------------|
| | | CHASSIS & CAN BUS HARNESS | | | CHASSIS & CAN BUS HARNESS | | | INSTRUMENT PANEL HARNESS |
| B2 | 36850691 | Compressor, Electric 24V | R1 | 36841526 | Heater | DS1 | N/A | N/A |
| D1 | 35376169 | Diode | R3 | 36841526 | Heater | DS2 | 36852622 | Light, Instrument Panel |
| D2 | 35376169 | Diode | R4 | 23366784 | Resistor, Trimming | | 22113880 | Lamp, 4.76 W |
| D3 | 35376169 | Diode | R5 | N/A | Resistor, 150 ohm | J5 | 23366768 | Cap (Replacement) |
| D4 | 35376169 | Diode | R6 | 23366784 | Resistor, Trimming | K4 | 36892362 | Relay, SPST |
| F1 | 23091838 | Fuse, 20A | RP1 | 36870608 | Sender, Pressure 0 - 150 psi | M1 | 36841468 | Gauge, Pressure (Discharge Air) |
| F2 | 22071575 | Fuse, 15A | RT1 | 23294820 | Sensor, Temperature | | 22137426 | Lamp, 28 V |
| F3 | 23091838 | Fuse, 20A | RT2 | 23294820 | Sensor, Temperature | M2 | 22692628 | Gauge, Pressure (Oil) |
| G2 | 36870665 | Sensor, Speed Mag. Pickup | RT3 | 36841138 | Sender, Temperature | | 22137426 | Lamp, 28 V |
| J63 | 23366768 | Cap (Replacement) | RT4 | 36841138 | Sender, Temperature | M3 | 22692602 | Gauge, Fuel Level |
| K1 | 35577873 | Relay | S9 | N/A | N/A | | 22137426 | Lamp, 28 V |
| K2 | 36892362 | Relay | S10 | 36847838 | Switch, Vacuum | M4 | 22692610 | Gauge, Temperature (Engine Coolant) |
| L1 | 36842300 | Valve, Solenoid | S11 | 36847838 | Switch, Vacuum | | 22137426 | Lamp, 28 V |
| L2 | 36842318 | Valve, Solenoid | S14 | 36757581 | Switch, Pressure | M5 | 54766704 | Hourmeter |
| L3 | 35306158 | Valve, Ether Solenoid | S15 | N/A | N/A | M6 | 22055883 | Tachometer |
| P2 | 23366776 | Backshell (Replacement) | U1 | 54672811 | Sender, Low Fuel Shutdown | | 22137426 | Lamp, 28 V |
| PT1 | 54675946 | Sensor, Pressure 0 - 500 psi | U2 | 22102339 | Sensor, Coolant Level | M7 | 22692594 | Voltmeter |
| PT2 | 36920825 | Sensor, Pressure 0 - 100 psi | | | | | 22137426 | Lamp, 28 V |
| | | | ~ | 23258114 | Harness, Chassis | M8 | 22692610 | Gauge, Temperature (Discharge Air) |
| | | | ~ | 46636279 | Controller, Wedge | | 22137426 | Lamp, 28 V |
| | | | ~ | 36896975 | Switch, Battery Disconnect | S1 | 22127385 | Switch, Ignition |
| | | | ~ | 35578194 | Strap, Ground | | 22134118 | Knob, Switch |
| | | | ~ | 35293075 | Strap, Ground | S2 | 22054076 | Switch, Rocker (Push After Warm Up) |
| | | | ~ | 23268105 | Cable, Positive Battery | S3 | 22054068 | Switch, Rocker (Ether) |
| | | | ~ | 54765375 | Cable, Positive Battery | S4 | 22054050 | Switch, Rocker (Heater) |
| | | | ~ | 35128982 | Cable, Battery Jumper | S5 | 22053896 | Switch, Rocker (Lamp) |
| | | | ~ | 36780609 | Cable, Negative Battery | S6 | N/A | N/A |
| | | | ~ | 35225788 | Battery, 12 VDC | ~ | 22817829 | Harness, Instrument Panel |

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