



## PARTS MANUAL

### COMPRESSOR MODEL

# P425WCU, XP375WCU, HP375WCU

Code: ~



This manual contains important safety information.

Do not destroy this manual.

This manual must be available to the personnel who operate and maintain this machine.



P.O. Box 868 - 501 Sanford Ave  
Mocksville, N.C. 27028

Book 22592075 (01/06)  
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## **Section - 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 Ingersoll-Rand Company parts for your compressor.

**Ingersoll-Rand Company can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.**

Ingersoll-Rand Company service facilities and parts are available worldwide. Consult local yellow pages or visit: [www.portablepower.irco.com](http://www.portablepower.irco.com).

Special order parts may not be included in this manual. Contact the Mocksville 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.

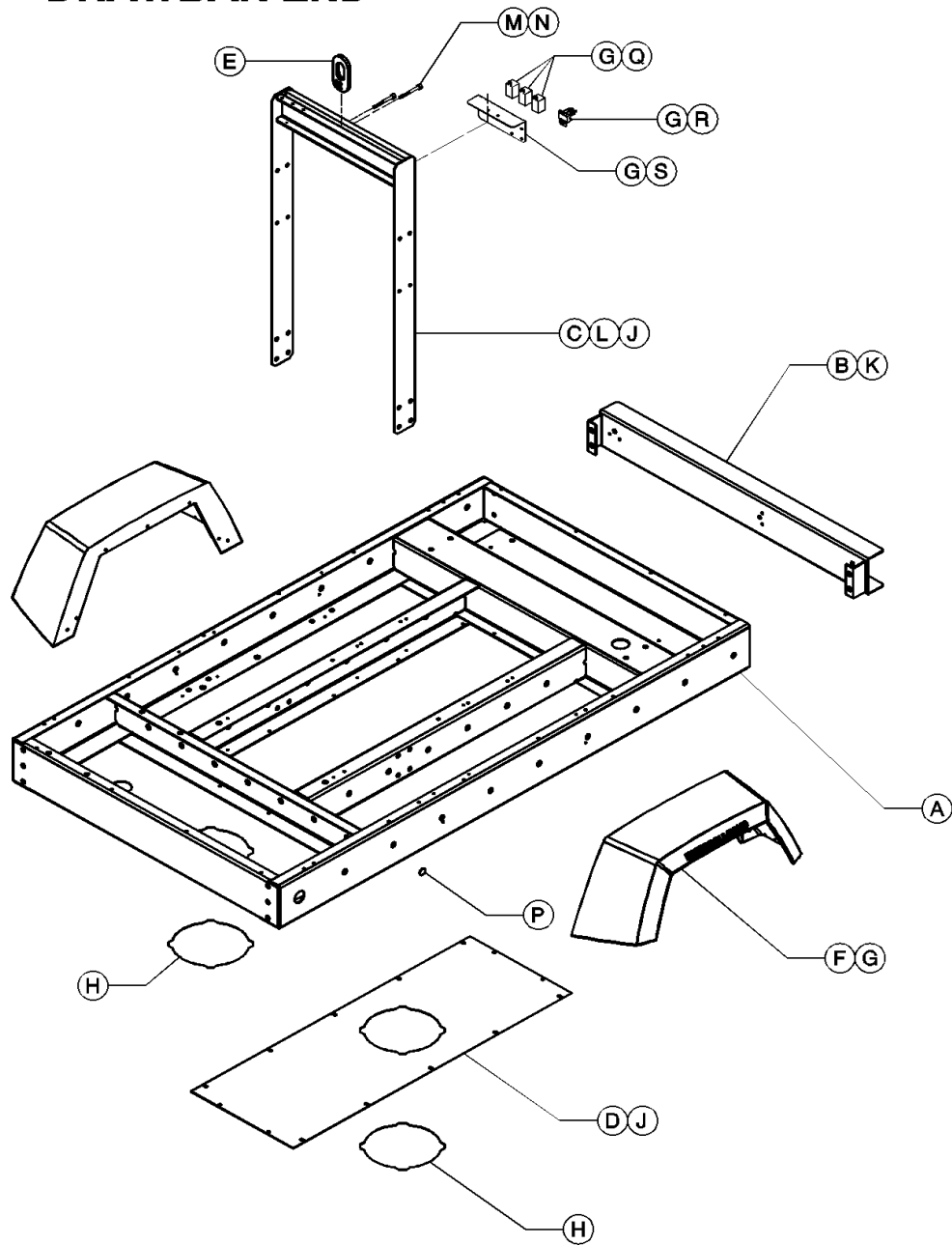
Specify the part number and description.

## **Section A - COMPRESSOR PARTS**



## FRAME and LIFTING BAIL

### ➡ DRAWBAR END



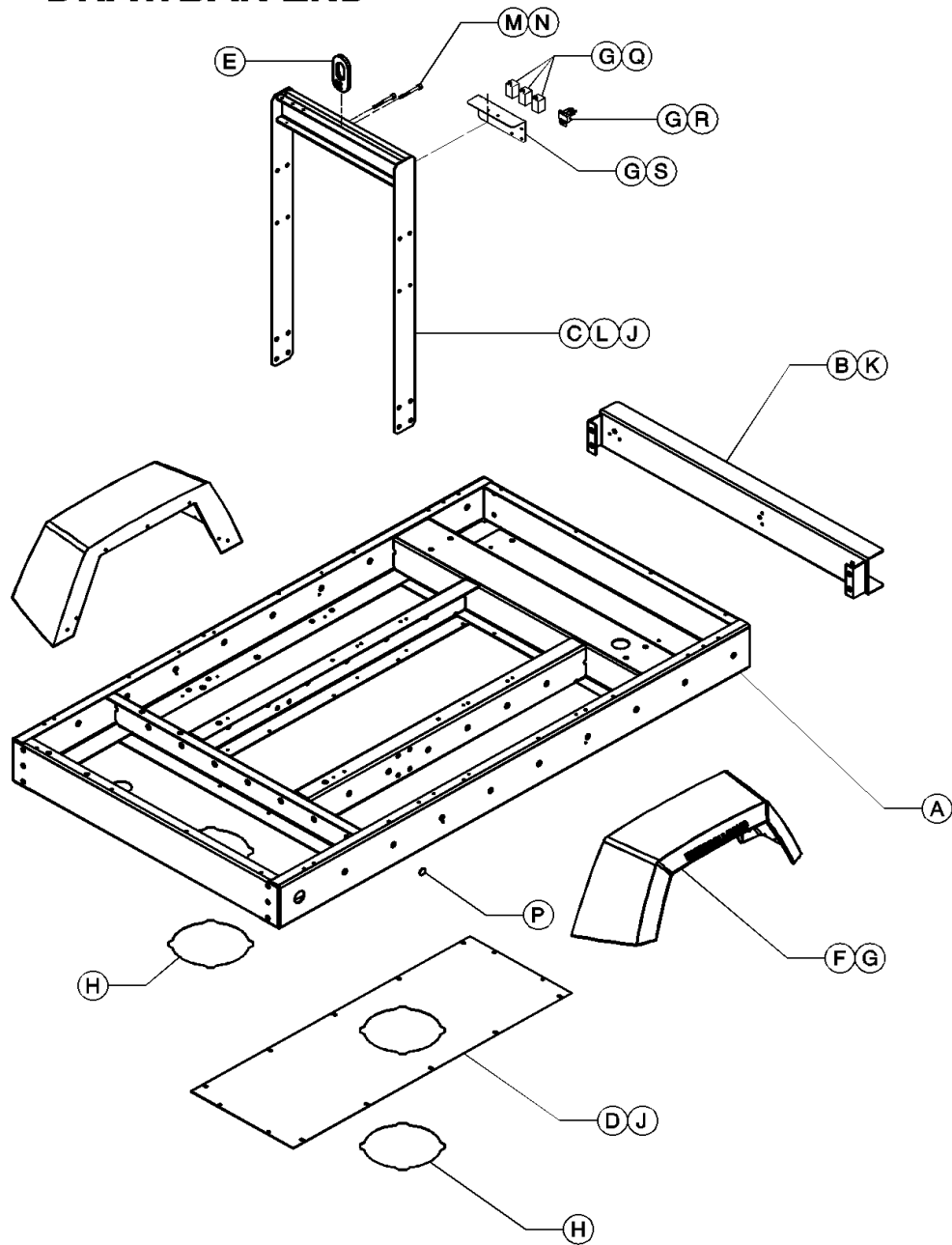
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| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| A    | 22165914  | FRAME ASSEMBLY               | 1   |                  |
| B    | 54667902  | BUMPER                       | 1   |                  |
| C    | 54742010  | LIFTING BAIL                 | 1   |                  |
| D    | 54641840  | PAN, MIDDLE BELLY            | 1   |                  |
| E    | 54759113  | EYE, LIFTING BAIL            | 1   |                  |
| F    | 36877579  | FENDER                       | 2   |                  |
| G    | 36797652  | SCREW, TAPPING M06-1.0 X 12  | 15  |                  |
| H    | 36880623  | COVER, FLEXIBLE              | 2   |                  |
| J    | 35279025  | SCREW, TAPPING M08-1.25 X 20 | 18  |                  |



## FRAME and LIFTING BAIL

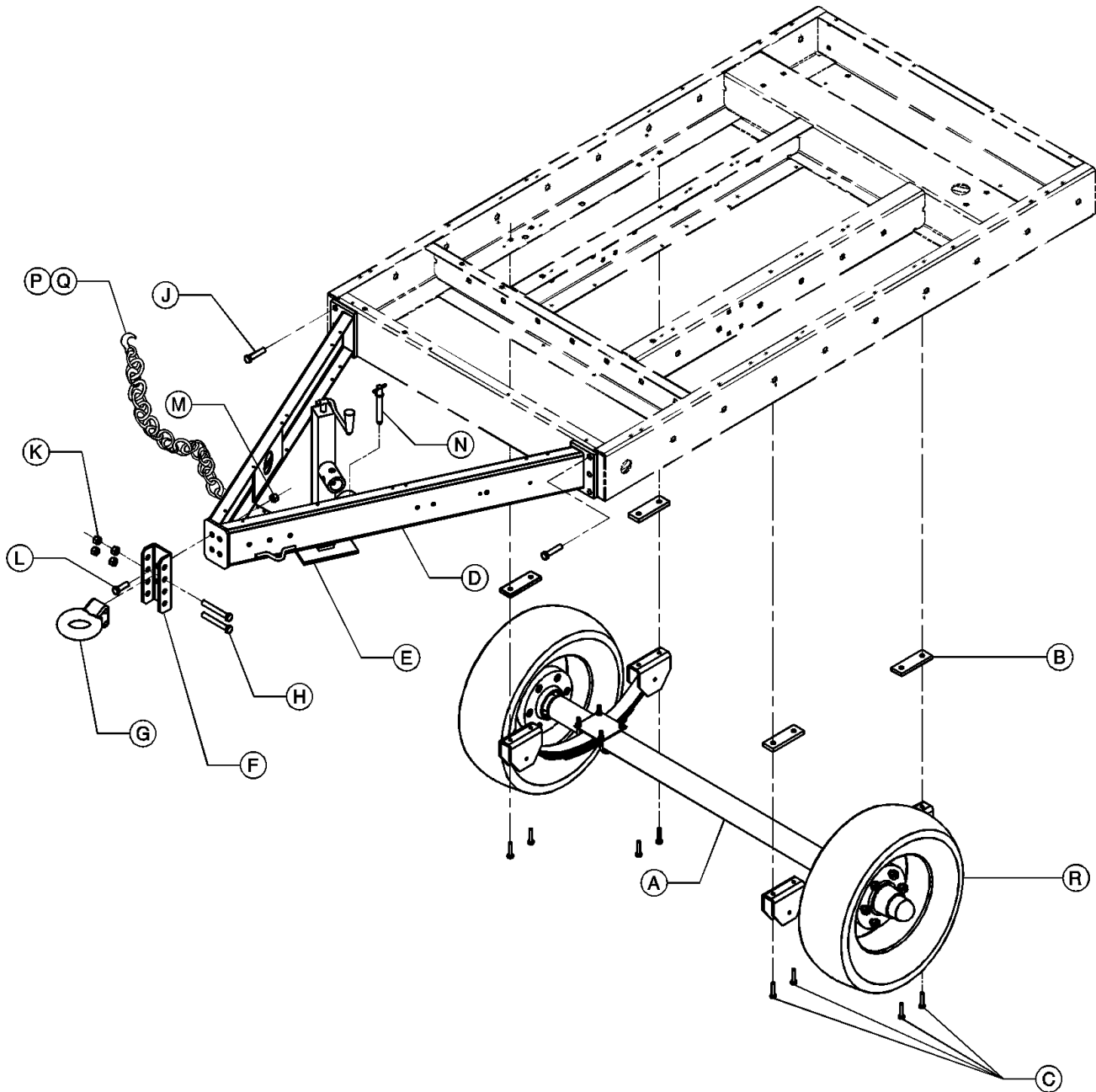
### ➡ DRAWBAR END



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| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| K    | 36888055  | SCREW, HEX FLANGE M12-1.75 X 30 | 4   |                  |
| L    | 36879492  | SCREW, HEX FLANGE M12-1.75 X 25 | 8   |                  |
| M    | 36765121  | SCREW, HEX M16-2.0 X 55         | 2   |                  |
| N    | 96704630  | NUT, NYLOC MI6                  | 2   |                  |
| P    | 54772041  | PLUG, SNAP-IN HOLE              | 15  |                  |
| Q    | 36878361  | RELAY, WEATHERPROOF             | 3   |                  |
| R    | 36856250  | RELAY, 100 AMP                  | 1   |                  |
| S    | 22558715  | BRACKET, GRID HEATER            | 1   |                  |

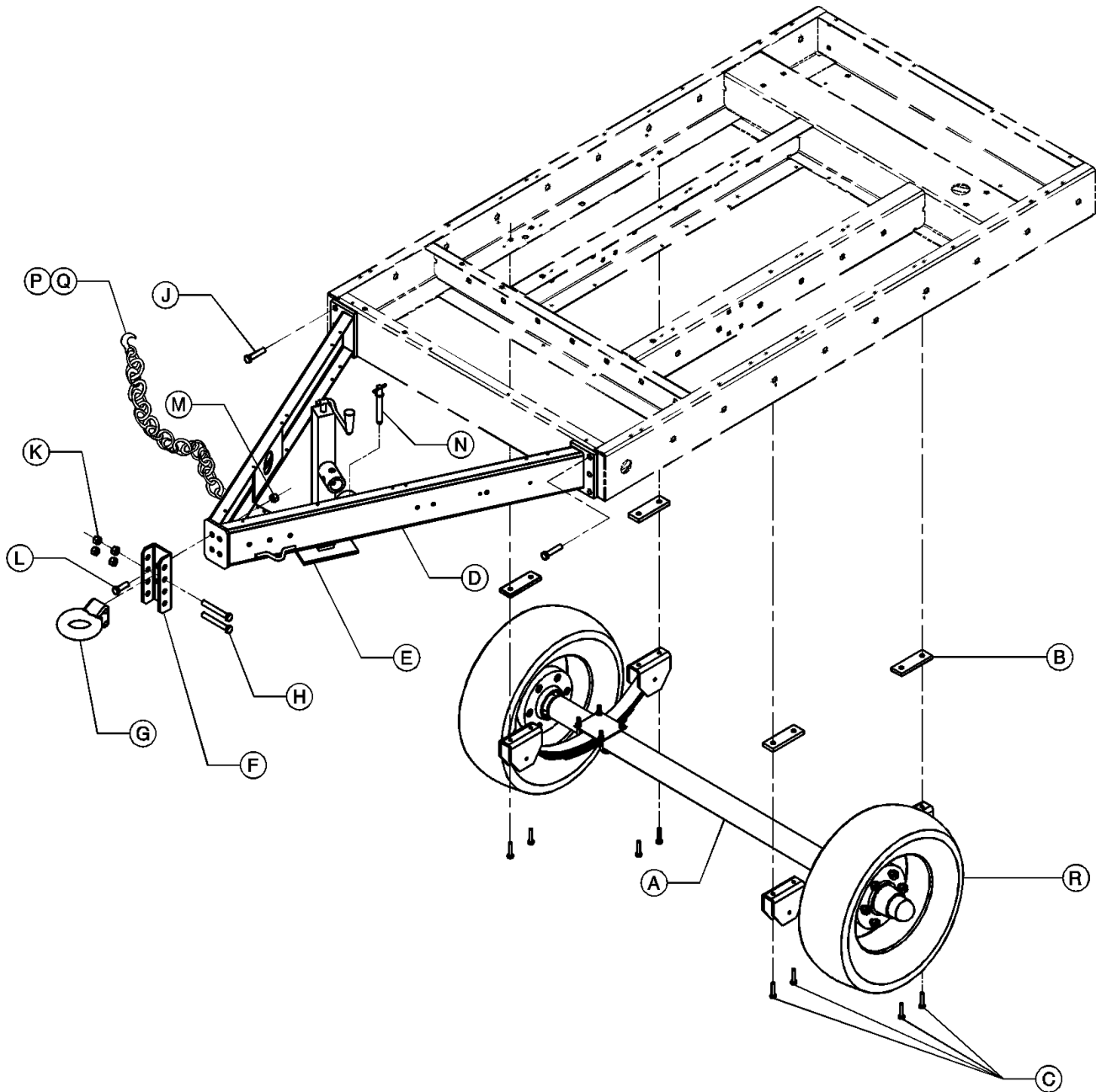
## DRAWBAR COMPLETE



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| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| A    | 54625322  | RUNNING GEAR                   | 1   |                  |
| B    | 36880599  | SPACER, RUNNING GEAR           | 4   |                  |
| C    | 96747399  | SCREW, HEX M12-1.75 X 40       | 8   |                  |
| D    | 36876621  | DRAWBAR                        | 1   |                  |
| E    | 54443577  | JACK, SCREW                    | 1   |                  |
| F    | 36757284  | CHANNEL, PINTEL MTG 3-POSITION | 1   |                  |
| G    | 35605187  | EYE, PINTEL 3"                 | 1   |                  |
| H    | 35376094  | SCREW, HEX M16-2.0 X 12        | 2   |                  |

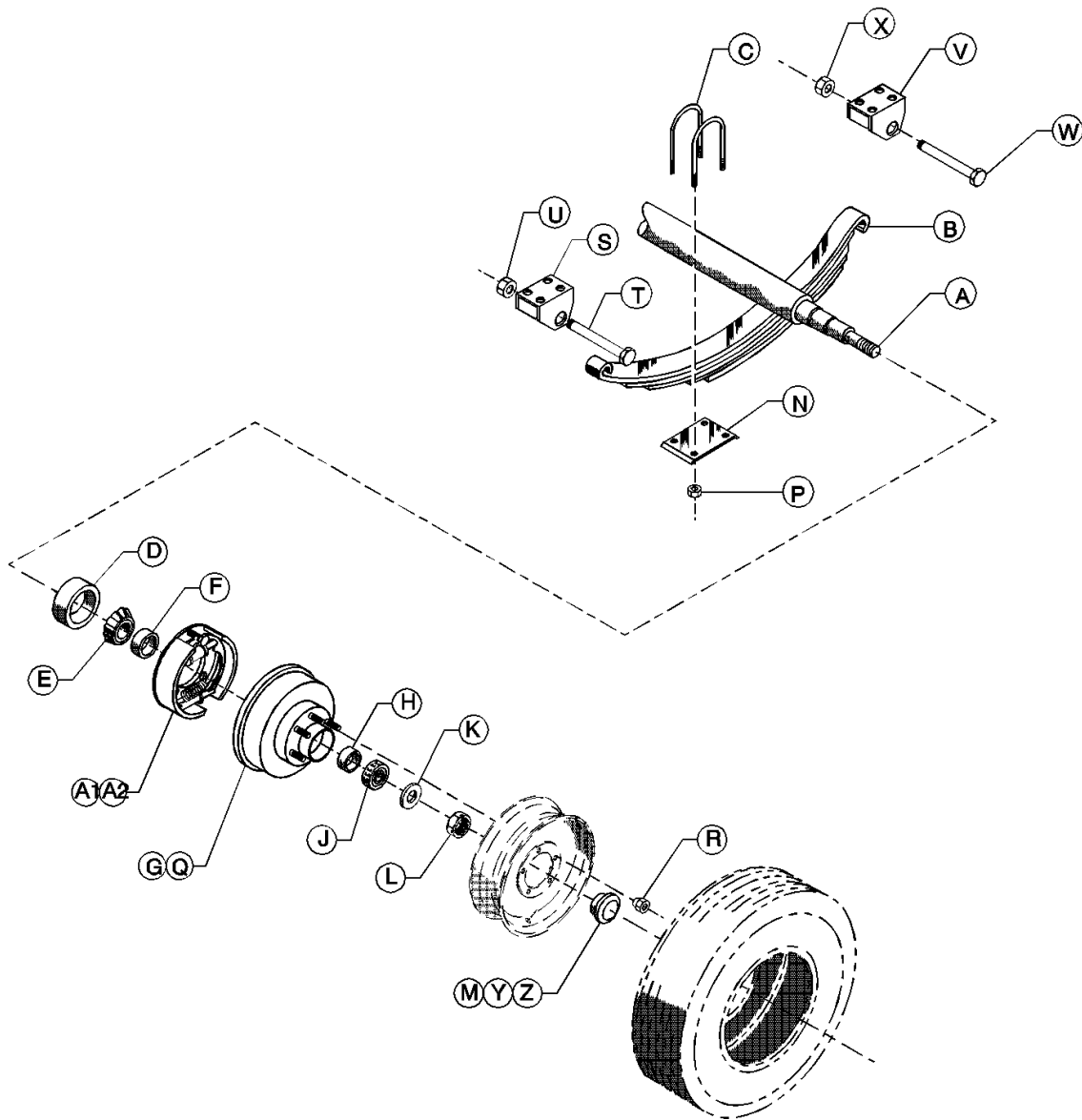
## DRAWBAR COMPLETE



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| ITEM | COMM. NO. | DESCRIPTION             | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------|-----|------------------|
| J    | 36879302  | SCREW, HEX M16-2.0 X 50 | 6   |                  |
| K    | 96701750  | NUT, HEX M16-2.0        | 4   |                  |
| L    | 39179072  | BOLT, HEX M16-2.0 X 50  | 4   |                  |
| M    | 36879211  | NUT, HEX FLANGE M16-2.0 | 4   |                  |
| N    | 35609544  | PIN, QUICK RELEASE      | 1   |                  |
| P    | 22144521  | CHAIN ASSEMBLY          | 2   |                  |
| Q    | 35372432  | LOCK, COUPLING          | 2   |                  |
| R    | 36073864  | TIRE ASSEMBLY           | 2   |                  |

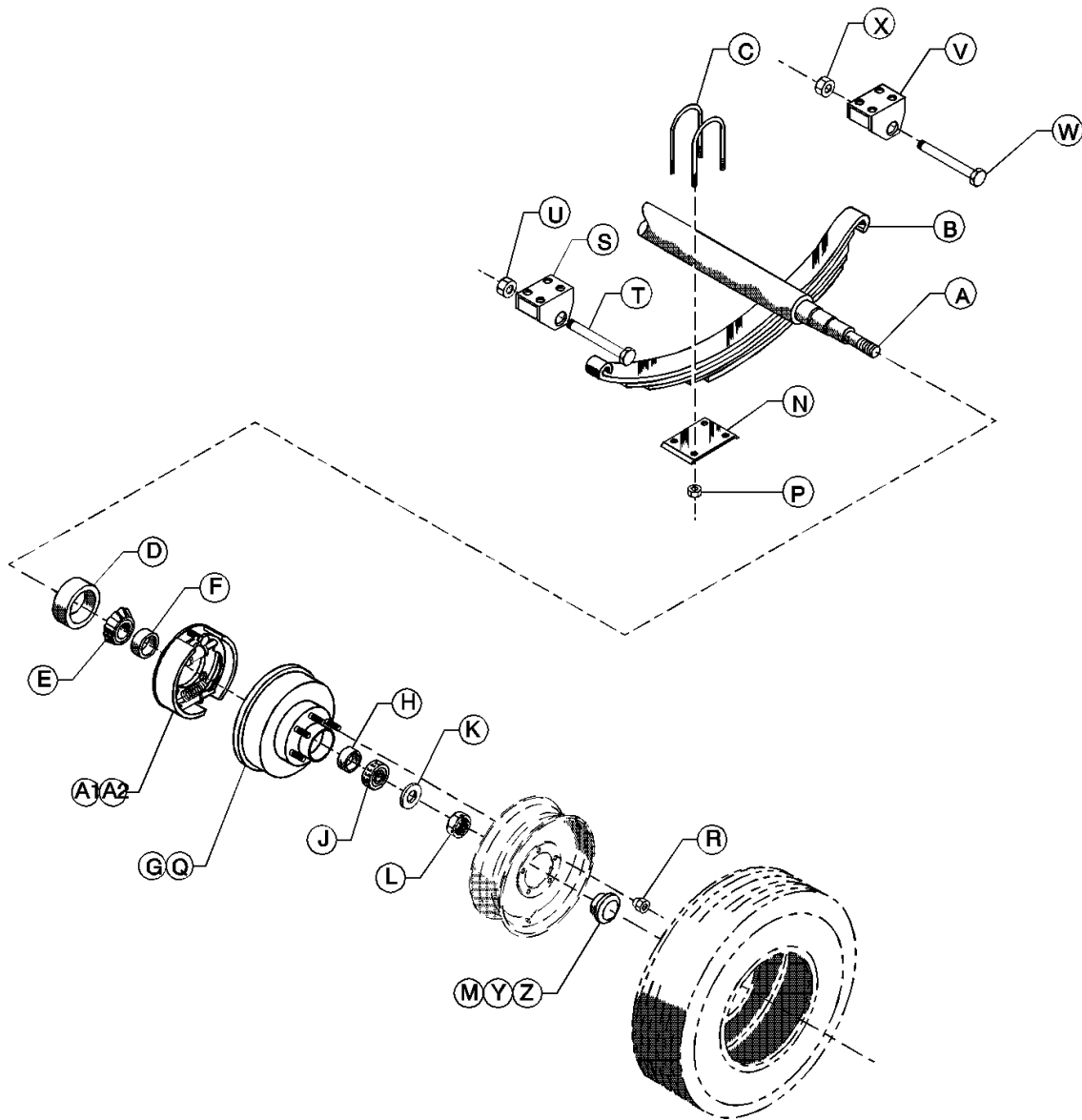
## RUNNING GEAR COMPLETE



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| ITEM | COMM. NO. | DESCRIPTION         | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------|-----|------------------|
| A    | 54750997  | BEAM, AXLE          | 1   |                  |
| B    | 35315126  | SPRING, SLIPPER     | 2   |                  |
| C    | 35360734  | U-BOLT              | 4   |                  |
| D    | 35316868  | SEAL, GREASE        | 2   |                  |
| E    | 35316876  | CONE, INNER BEARING | 2   |                  |
| F    | 35316884  | CUP, INNER BEARING  | 2   |                  |
| G    | 35390459  | HUB, STUDDED        | 2   |                  |
| H    | 35318831  | CUP, OUTER BEARING  | 2   |                  |
| J    | 35318849  | CONE, OUTER BEARING | 2   |                  |
| K    | 35315209  | WASHER, SPINDLE     | 2   |                  |
| L    | 35315217  | NUT, SPINDLE        | 2   |                  |
| M    | 35379395  | CAP, GREASE DUST    | 2   |                  |
| N    | 35315241  | PLATE, TIE          | 2   |                  |

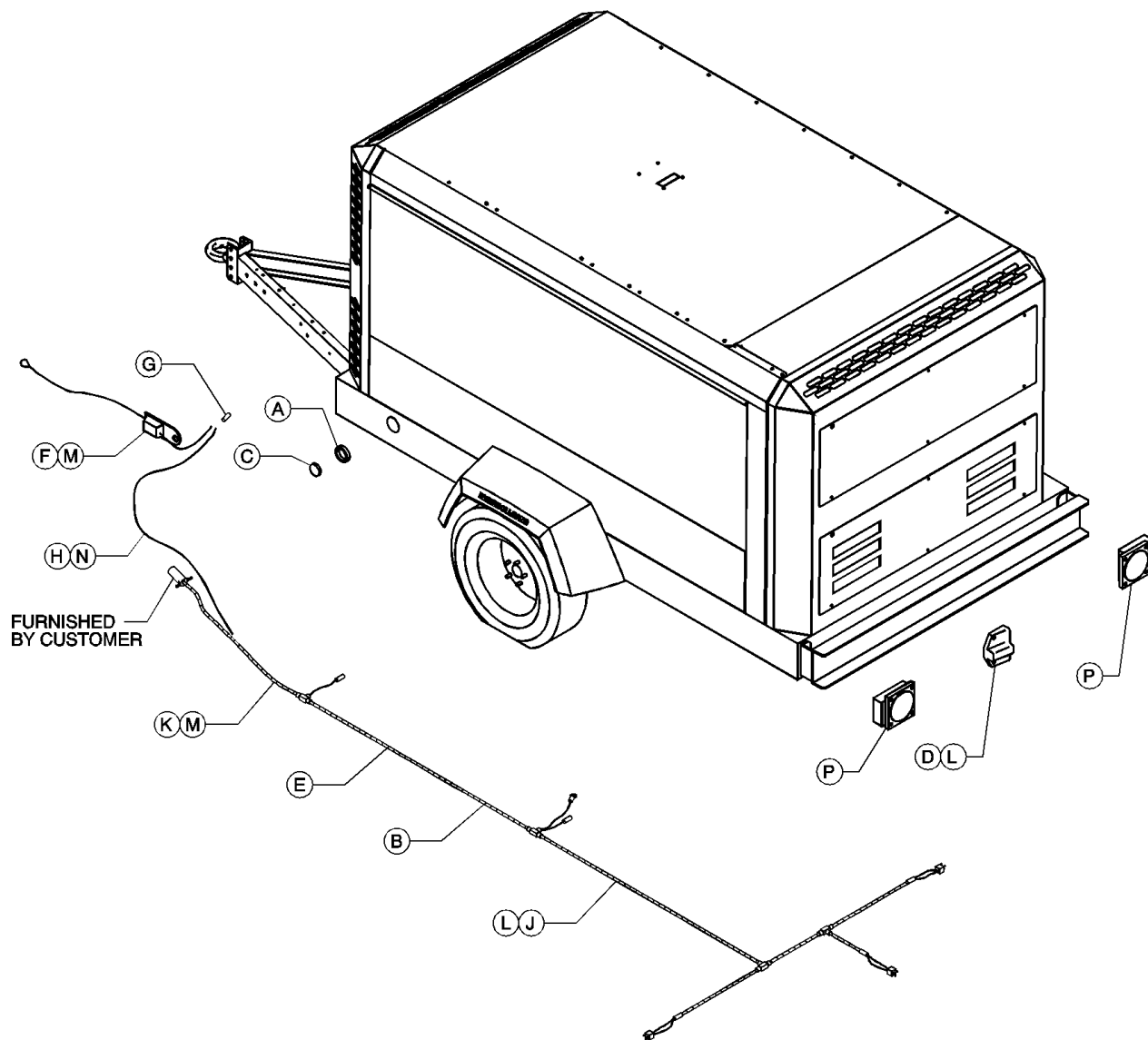
## RUNNING GEAR COMPLETE



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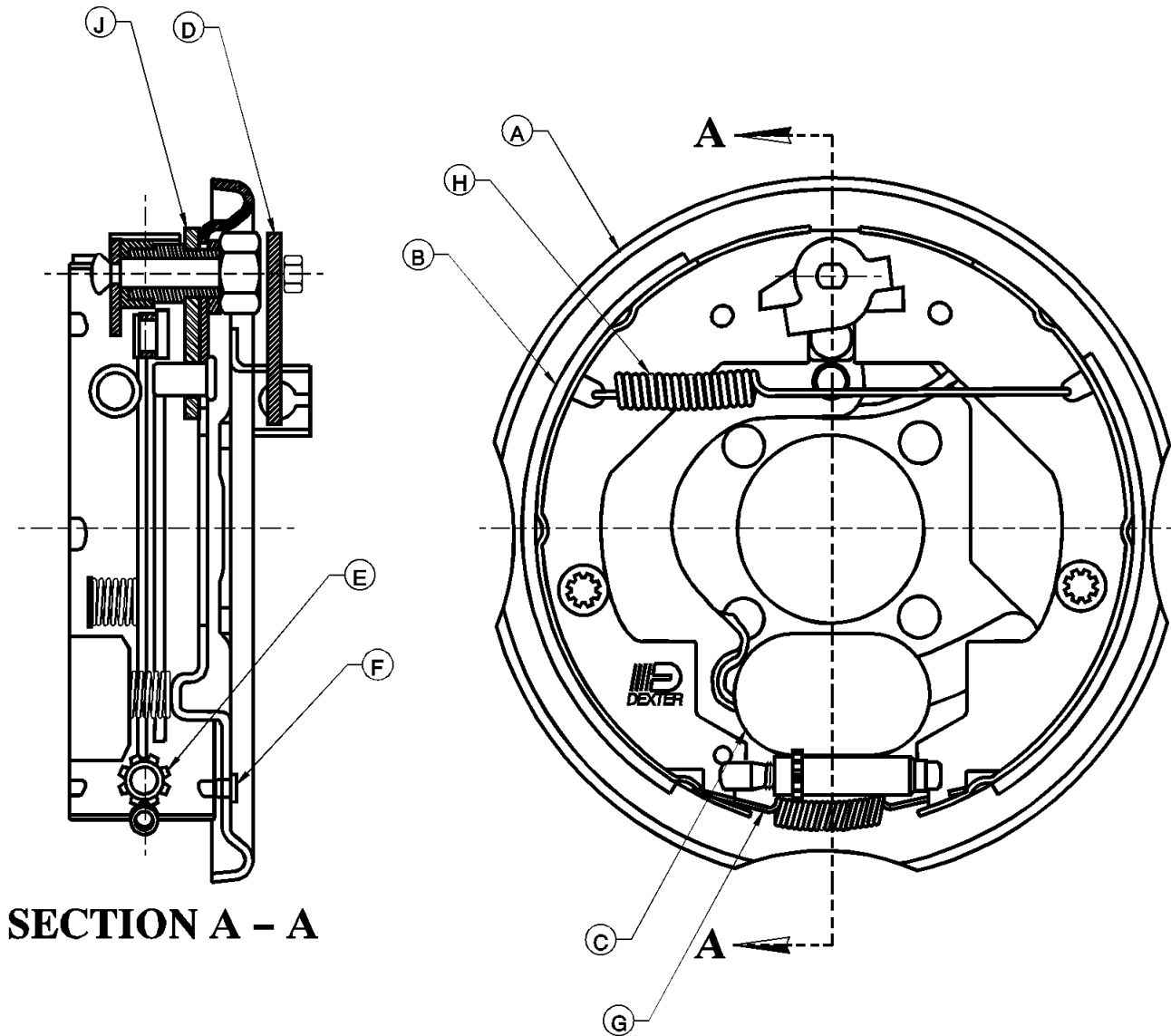
| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| P    | 35315258  | NUT, U-BOLT                 | 4   |                  |
| Q    | 35361898  | STUD                        | 12  |                  |
| R    | 35315274  | NUT, WHEEL                  | 12  |                  |
| S    | 35326958  | HANGER, FRONT               | 2   |                  |
| T    | 35315340  | BOLT, SHACKLE               | 2   |                  |
| U    | 35315357  | NUT, TOP LOCK               | 2   |                  |
| V    | 35326966  | HANGER, REAR                | 2   |                  |
| W    | 35315365  | BOLT, KEEPER                | 2   |                  |
| X    | 35315373  | NUT, KEEPER                 | 2   |                  |
| Y    | 35379387  | PLUG, GREASE CAP            | 2   |                  |
| Z    | 35390012  | WASHER, TANG                | 2   |                  |
| A1   | 35390814  | BRAKE ASSEMBLY, LH ELECTRIC | 1   |                  |
| A2   | 35390822  | BRAKE ASSEMBLY, RH ELECTRIC | 1   |                  |

## ELECTRIC BRAKE WIRING



| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A    | 36893634  | GROMMET, SIDE LIGHT         | 2   |                  |
| B    | 54761101  | HARNESS, LIGHTING           | 1   |                  |
| C    | 35367051  | LIGHT, YELLOW CLEARANCE     | 2   |                  |
| D    | 36895860  | LIGHT, LICENSE              | 1   |                  |
| E    | 35225077  | CLAMP, 5/8 " SUPPORT        | 4   |                  |
| F    | 35315944  | SWITCH, BREAKAWAY           | 1   |                  |
| G    | 37140365  | SPLICE, INSULATED           | 1   |                  |
| H    | 35346337  | LUG, TERMINAL               | 1   |                  |
| J    | 35253038  | CLAMP, 3/8" SUPPORT         | 4   |                  |
| K    | 37001252  | CLAMP, SUPPORT              | 1   |                  |
| L    | 92368687  | SCREW, TAPPING M06-1.0 X 14 | 5   |                  |
| M    | 36797652  | SCREW, TAPPING M06-1.0 X 12 | 2   |                  |
| N    | 35120005  | WIRE, 14 GA BLACK           | 40" |                  |
| P    | 54671557  | LIGHT, STOP/TAILO/TURN      | 2   |                  |

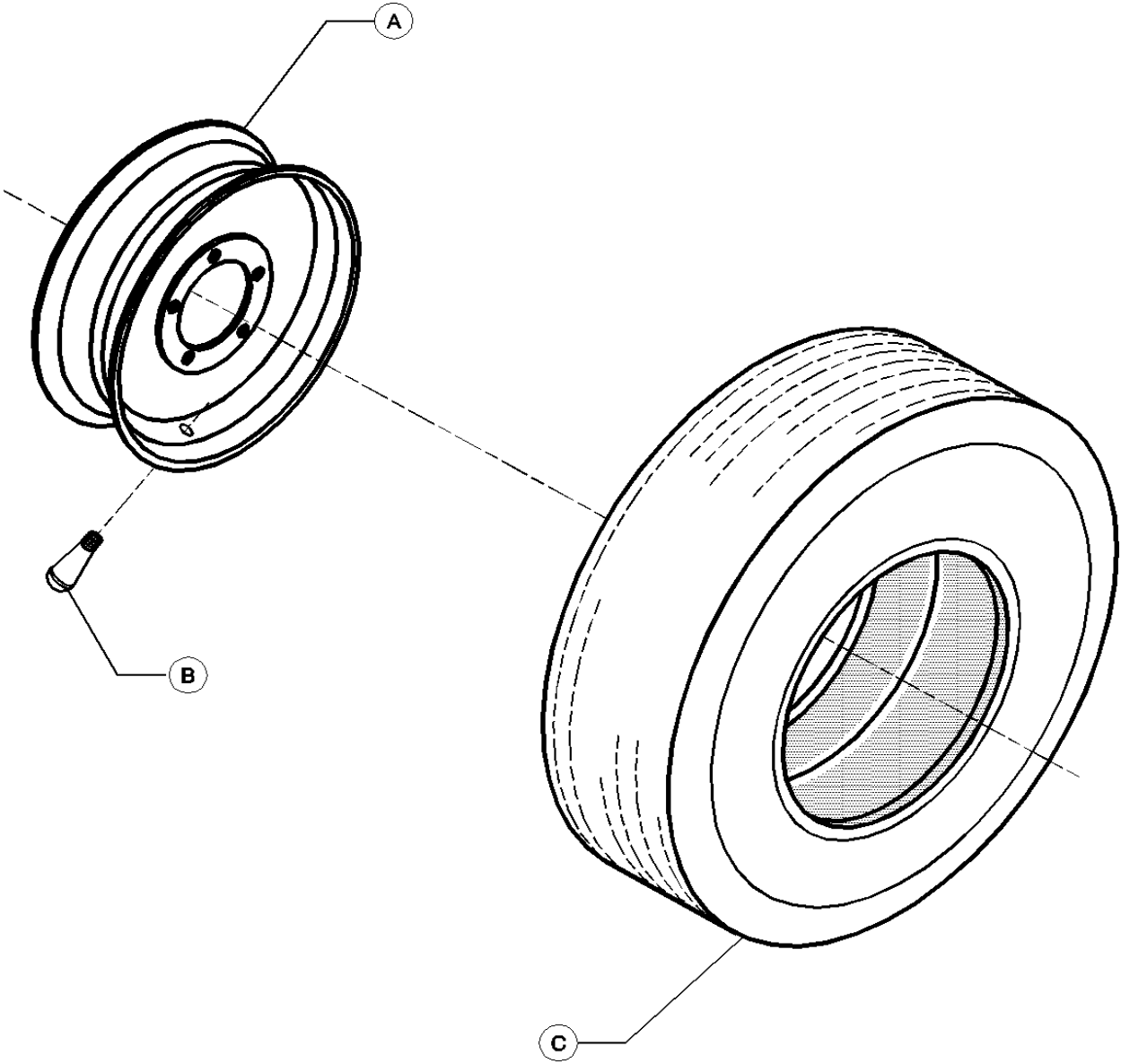
## ELECTRIC BRAKE SHOE



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| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A    | 35390830  | PLATE ASSEMBLY, LH BACKING  | 1   |                  |
|      | 35390848  | PLATE ASSEMBLY, RH BACKING  | 1   |                  |
| B    | 36895803  | SHOE KIT, BRAKE             | 1   |                  |
| C    | 36895811  | MAGNET KIT                  | 2   |                  |
| D    | 35390913  | LEVER, PARKING BRAKE        | 2   |                  |
| E    | 35391010  | SCREW ASSEMBLY, ADJUSTING   | 2   |                  |
| F    | 35391069  | PLUG, ADJUSTING SLOT        | 2   |                  |
| G    | 35393727  | SPRING KIT, ADJUSTING SCREW | 2   |                  |
| H    | 35391002  | SPRING, RETRACTOR           | 2   |                  |
| J    | 36895829  | LEVER KIT, LH ACTUATING     | 1   |                  |
|      | 36895837  | LEVER KIT, RH ACTUATING     | 1   |                  |

TIRE & WHEEL ASSEMBLY

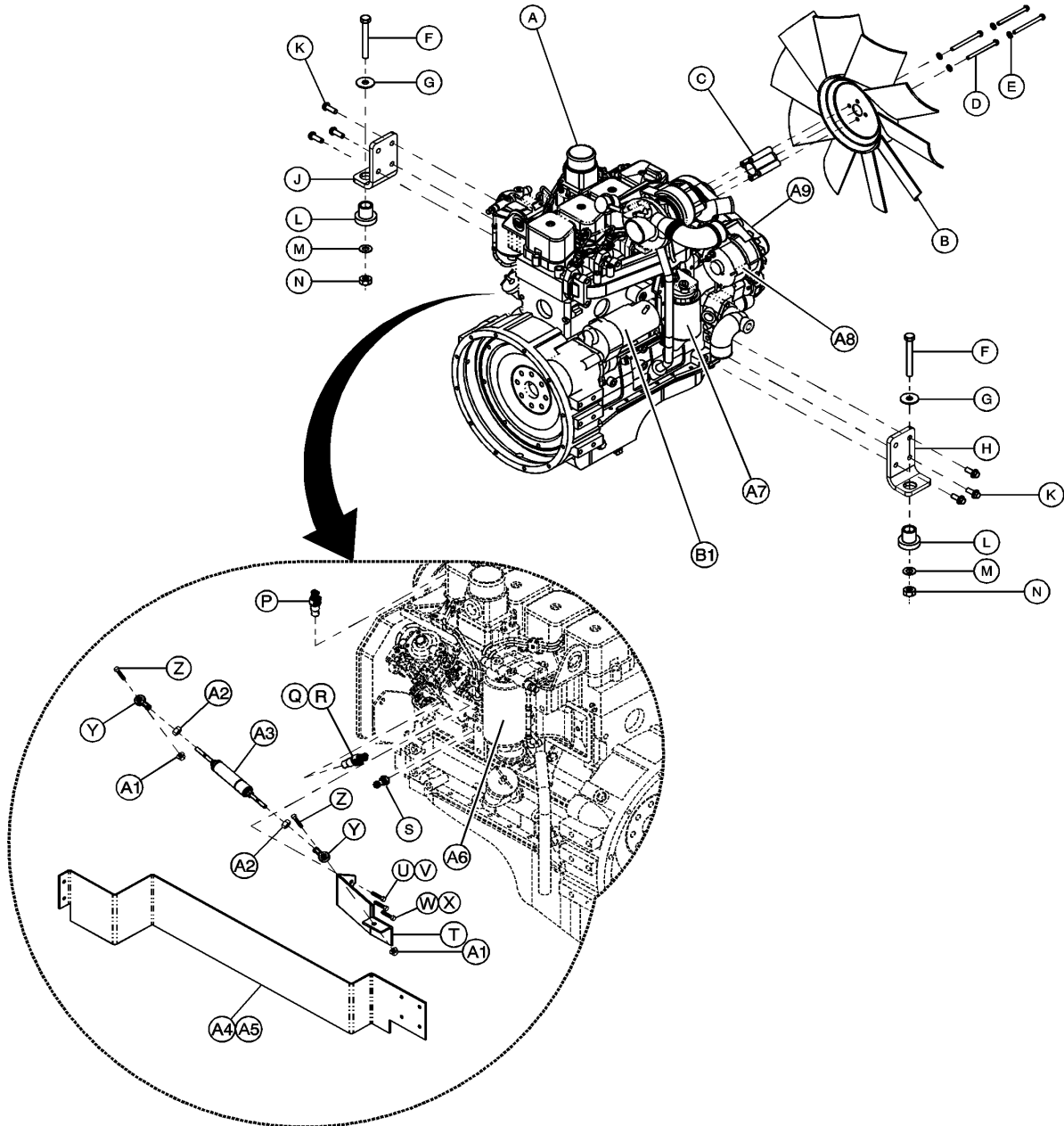


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| ITEM | COMM. NO. | DESCRIPTION        | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------|-----|------------------|
| A    | 35318757  | WHEEL, 15 X 6      | 1   |                  |
| B    | 35282565  | VALVE, STEM        | 1   |                  |
| C    | 22253041  | TIRE, ST225/75D15D | 1   |                  |



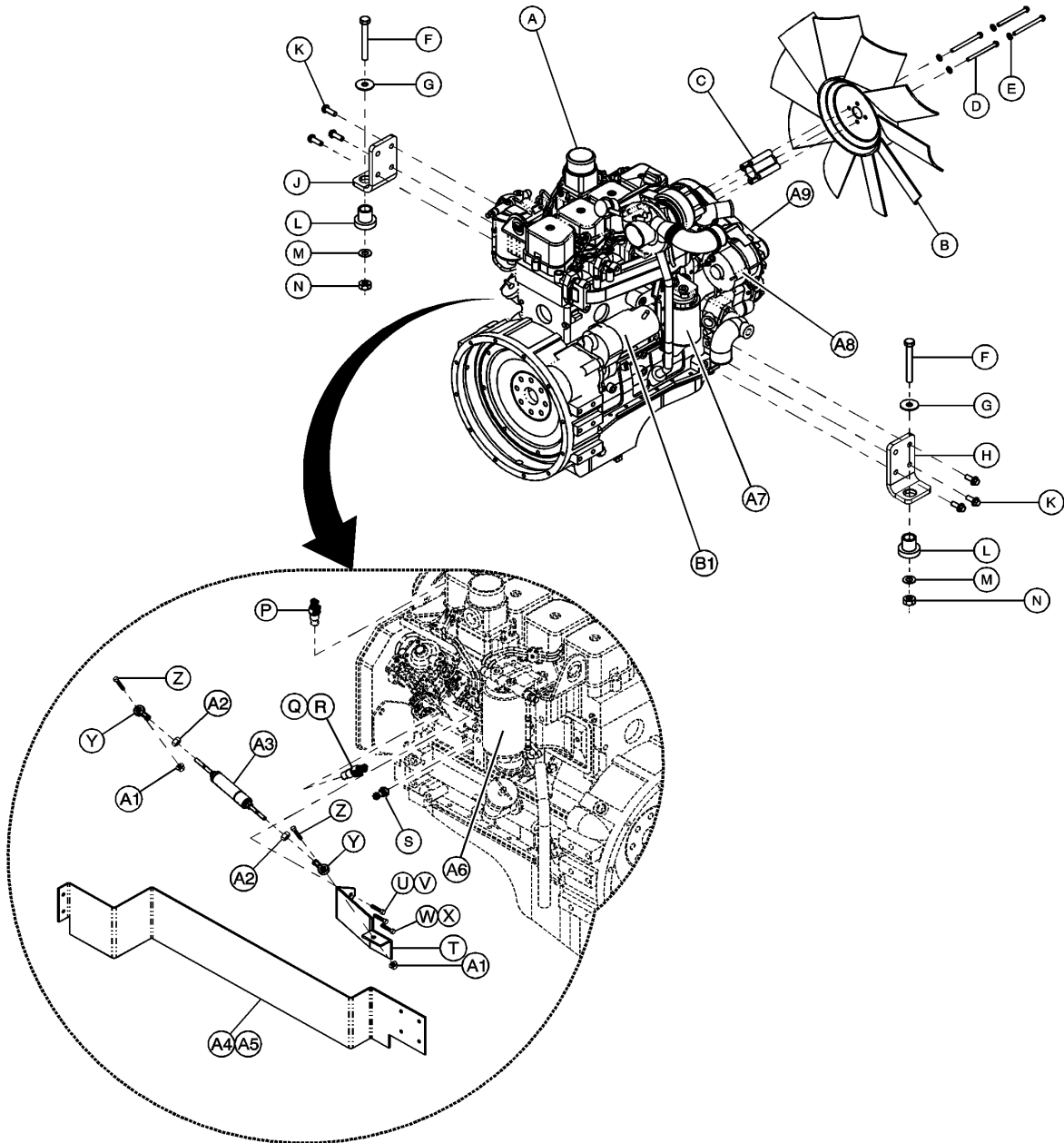
## ENGINE COMPLETE



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| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| A    | 22413892  | ENGINE                          | 1   |                  |
| B    | 22519805  | FAN                             | 1   |                  |
| C    | 22586044  | SPACER, FAN                     | 1   |                  |
| D    | 96720594  | SCREW, HEX M10-1.5 X 100        | 4   |                  |
| E    | 96701404  | WASHER, FLAT M10                | 4   |                  |
| F    | 96701503  | SCREW, HEX M16-2.0 X 90         | 2   |                  |
| G    | 35327212  | WASHER, SNUBBER                 | 2   |                  |
| H    | 22499776  | MOUNT, STSD ENGINE              | 1   |                  |
| J    | 22475586  | MOUNT, CRBSD ENGINE             | 1   |                  |
| K    | 36888055  | SCREW, HEX FLANGE M12-1.75 X 30 | 6   |                  |
| L    | 54756697  | ISOLATOR, CENTER BOND           | 2   |                  |

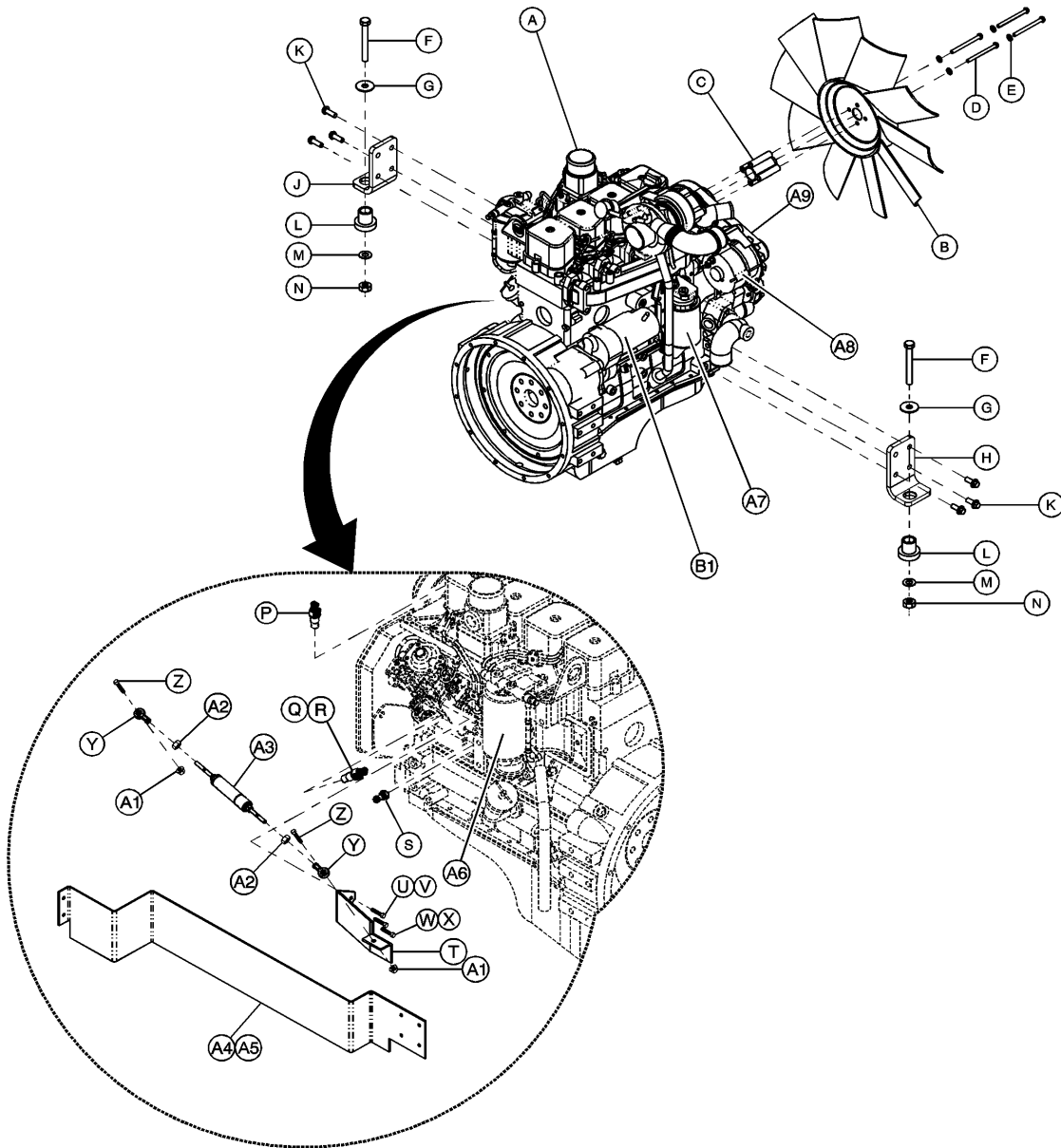
## ENGINE COMPLETE



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| ITEM | COMM. NO. | DESCRIPTION                        | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------------|-----|------------------|
| M    | 95935052  | WASHER, FLAT                       | 2   |                  |
| N    | 96704630  | NUT, NYLOC M16-2.0                 | 2   |                  |
| P    | 36880706  | SWITCH, COOLANT TEMPERATURE        | 1   |                  |
| Q    | 22660609  | SWITCH, FUEL INJECTION TEMPERATURE | 1   |                  |
| R    | 22660617  | HARNESS, FUEL INJECTION SWITCH     | 1   |                  |
| S    | 54757935  | SWITCH, OIL PRESSURE               | 1   |                  |
| T    | 22643548  | BRACKET, AIR CYLINDER              | 1   |                  |
| U    | 36769024  | SCREW, HEX M06-1.0 X 20            | 2   |                  |
| V    | 36769024  | NUT, HEX FLANGE M06-1.0            | 2   |                  |
| W    | 35273408  | SCREW, HEX M08-1.25 X 20           | 1   |                  |
| X    | 36881886  | NUT, HEX FLANGE M08-1.25           | 1   |                  |

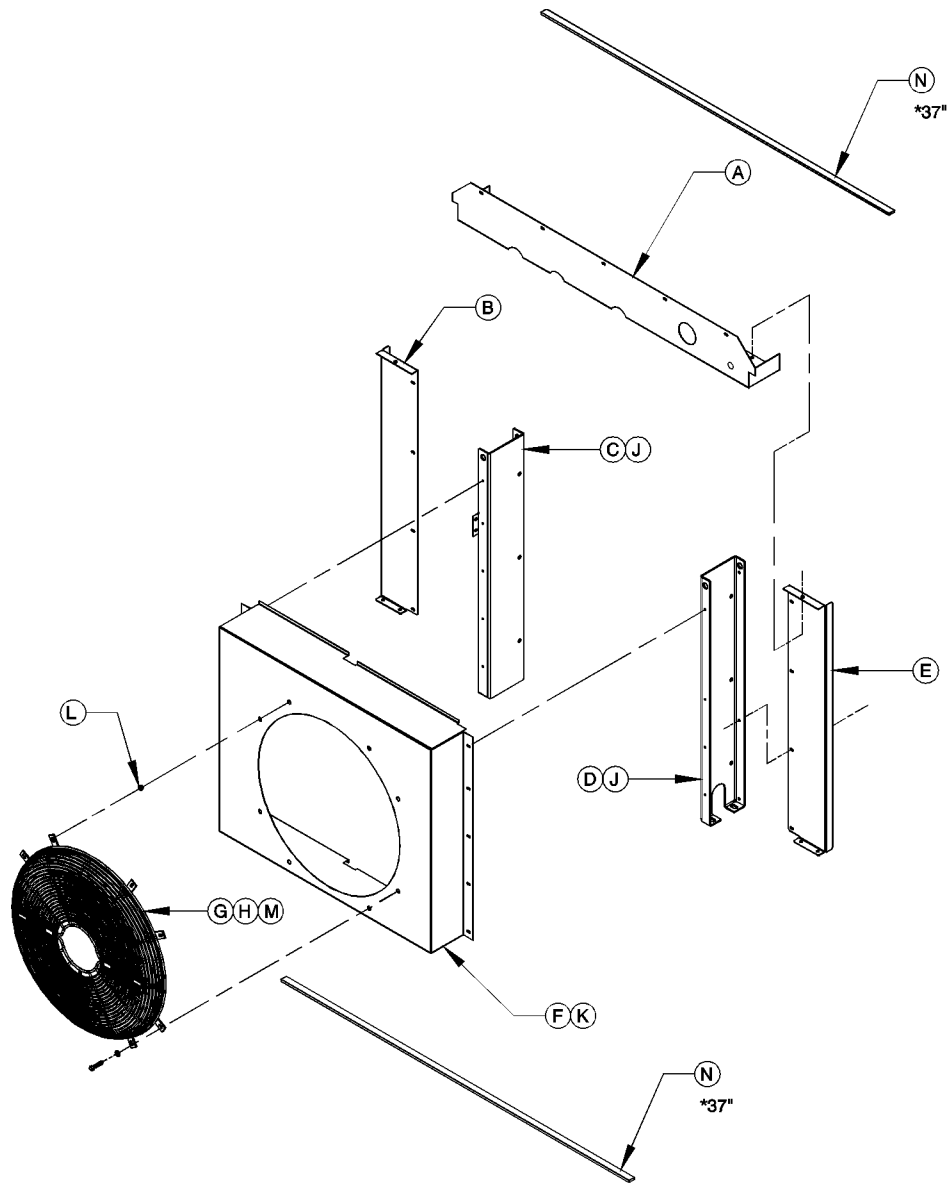
## ENGINE COMPLETE



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| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| Y    | 35328467  | BEARING, ROD END 5/16-24     | 2   |                  |
| Z    | 36771178  | SCREW, HEX M06-1.0 X 30      | 2   |                  |
| A1   | 36769032  | NU, HEX LOCKING M06-1.0      | 2   |                  |
| A2   | 95923074  | NUT, HEX JAM 5/16-24         | 2   |                  |
| A3   | 35592435  | CYLINDER, PNEUMATIC          | 1   |                  |
| A4   | 22573430  | GUARD, AIR CYLINDER          | 1   |                  |
| A5   | 35279025  | SCREW, TAPPING M08-1.25 X 20 | 6   |                  |
| A6   | 22583028  | ELEMENT, OIL FILTER          | 1   |                  |
| A7   | 22586010  | ELEMENT, FUEL FILTER         | 1   |                  |
| A8   | 22656417  | ALTERNATOR                   | 1   |                  |
| A9   | 22586036  | BELT, FAN                    | 1   |                  |
| B1   | 22656367  | STARTER                      | 1   |                  |

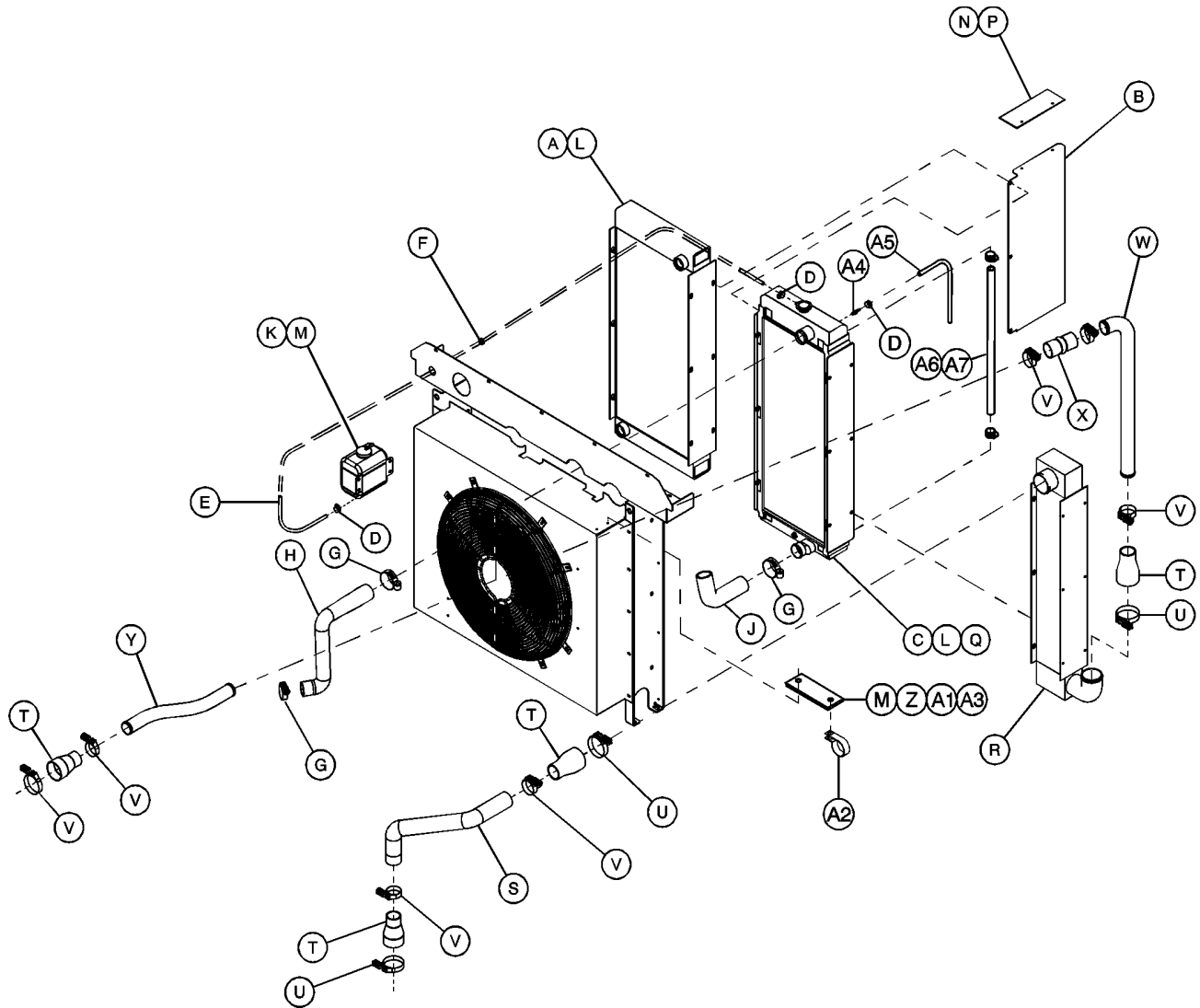
## COOLING COMPLETE



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| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| A    | 22623300  | BAFFLE, TOP                     | 1   | SEE LENGTH ABOVE |
| B    | 22215032  | BAFFLE, RH COOLER               | 1   |                  |
| C    | 22150650  | SUPPORT, OIL COOLER             | 1   |                  |
| D    | 22150643  | SUPPORT, CHARGE AIR COOLER      | 1   |                  |
| E    | 22215040  | BAFFLE, LH COOLER               | 1   |                  |
| F    | 22152730  | SHROUD, FAN                     | 1   |                  |
| G    | 54716360  | GUARD, FAN                      | 1   |                  |
| H    | 95934998  | WASHER, FLAT                    | 8   |                  |
| J    | 36879492  | SCREW, HEX FLANGE M12-1.75 X 25 | 4   |                  |
| K    | 36797652  | SCREW, TAPPING M06-1.0 X 12     | 10  |                  |
| L    | 36895746  | NUTSERT, M08                    | 8   |                  |
| M    | 96702055  | SCREW, HEX M08-1.25 X 20        | 8   |                  |
| N    | 35140409  | FOAM                            | *   |                  |

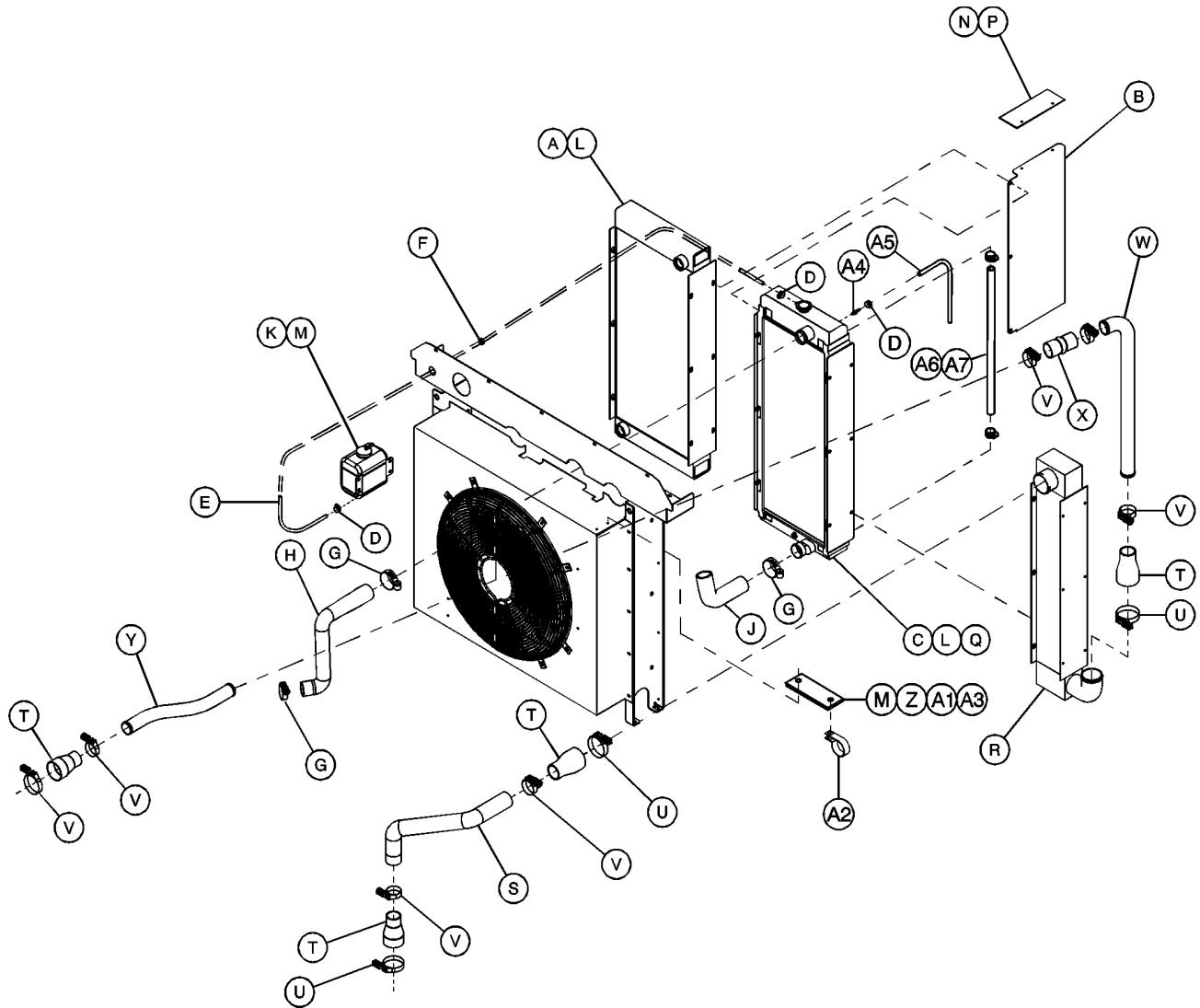
# COOLERS and FAN SHROUD COMPLETE (cont'd)



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| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------|-----|------------------|
| A    | 22150197  | OIL COOLER               | 1   | (P425)           |
|      | 22185391  | OIL COOLER               | 1   | (HP375, XP375)   |
| B    | 54738737  | BAFFLE, SPLITTER         | 1   |                  |
| C    | 22453021  | RADIATOR                 | 1   |                  |
| D    | 35296342  | CLAMP, WORM GEAR         | 4   |                  |
| E    | 35360775  | TUBING, 5/16"            | 42" |                  |
| F    | 35285162  | GROMMET                  | 1   |                  |
| G    | 35221639  | CLAMP, HOSE              | 4   |                  |
| H    | 22494439  | HOSE, TOP RADIATOR       | 1   |                  |
| J    | 22502181  | HOSE, BOTTOM RADIATOR    | 1   |                  |
| K    | 36884948  | BOTTLE, COOLANT RECOVERY | 1   |                  |

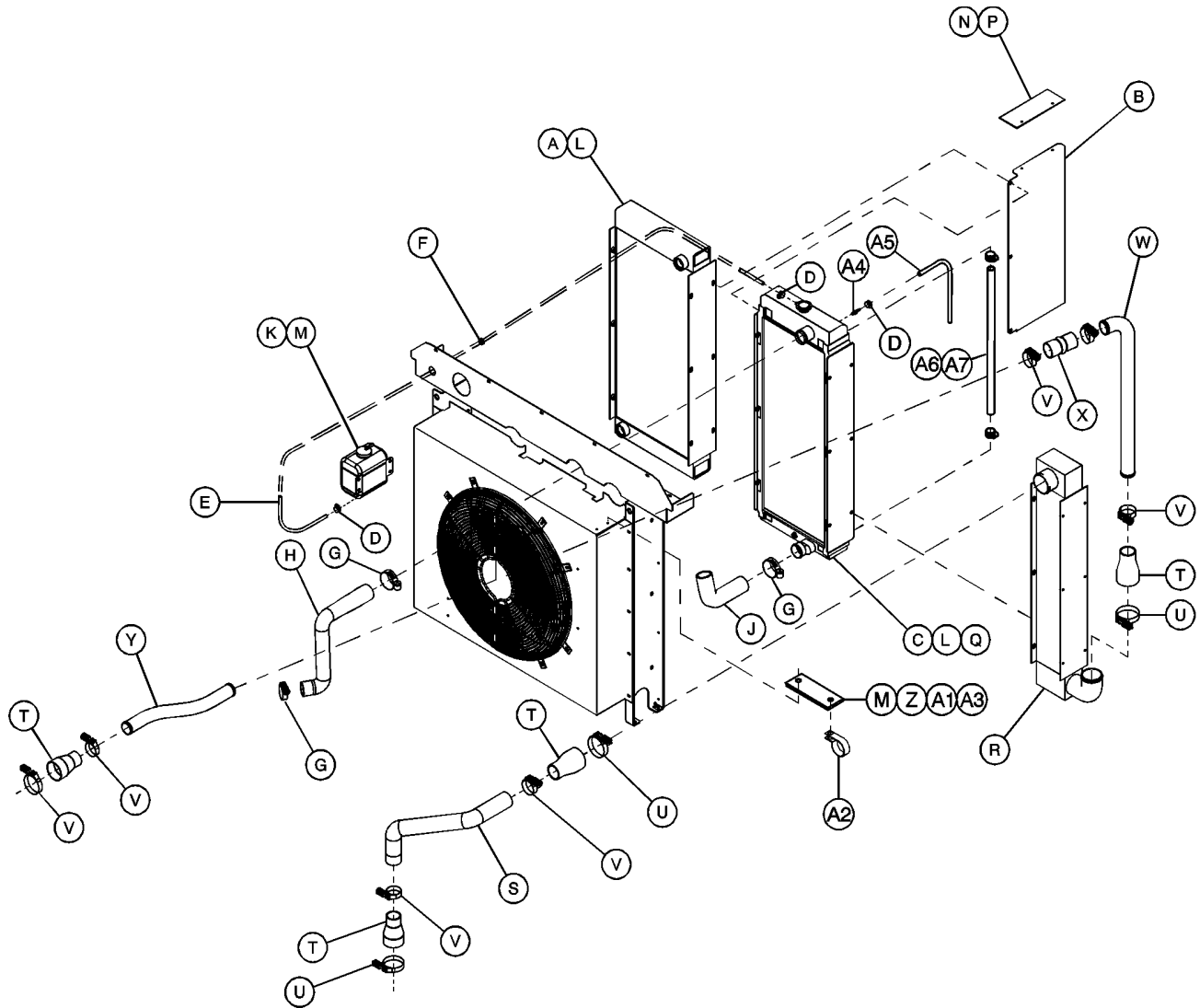
## COOLERS and FAN SHROUD COMPLETE (cont'd)



22592075\_10\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                   | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------|-----|------------------|
| L    | 96702279  | SCREW, HEX M10-1.50 X 20      | 18  |                  |
| M    | 92368687  | SCREW, TAPPING M06-1.0 X 12   | 5   |                  |
| N    | 22060503  | PLATE, BAFFLE                 | 2   |                  |
| P    | 36797652  | SCREW, TAPPING M06-1.0 X 12   | 6   |                  |
| Q    | 22660377  | CAP, RADIATOR                 | 1   |                  |
| R    | 22138358  | COOLER, CHARGE AIR            | 1   |                  |
| S    | 22482376  | PIPE, CHARGE AIR COOLER/TURBO | 1   |                  |
| T    | 22189310  | REDUCER                       | 4   |                  |
| U    | 22144513  | CLAMP, SPRING-LOADED 3"       | 3   |                  |
| V    | 22189302  | CLAMP, SPRING-LOADED 2.25"    | 4   |                  |
| W    | 22174742  | PIPE, CHARGE AIR COOLER VERT. | 1   |                  |

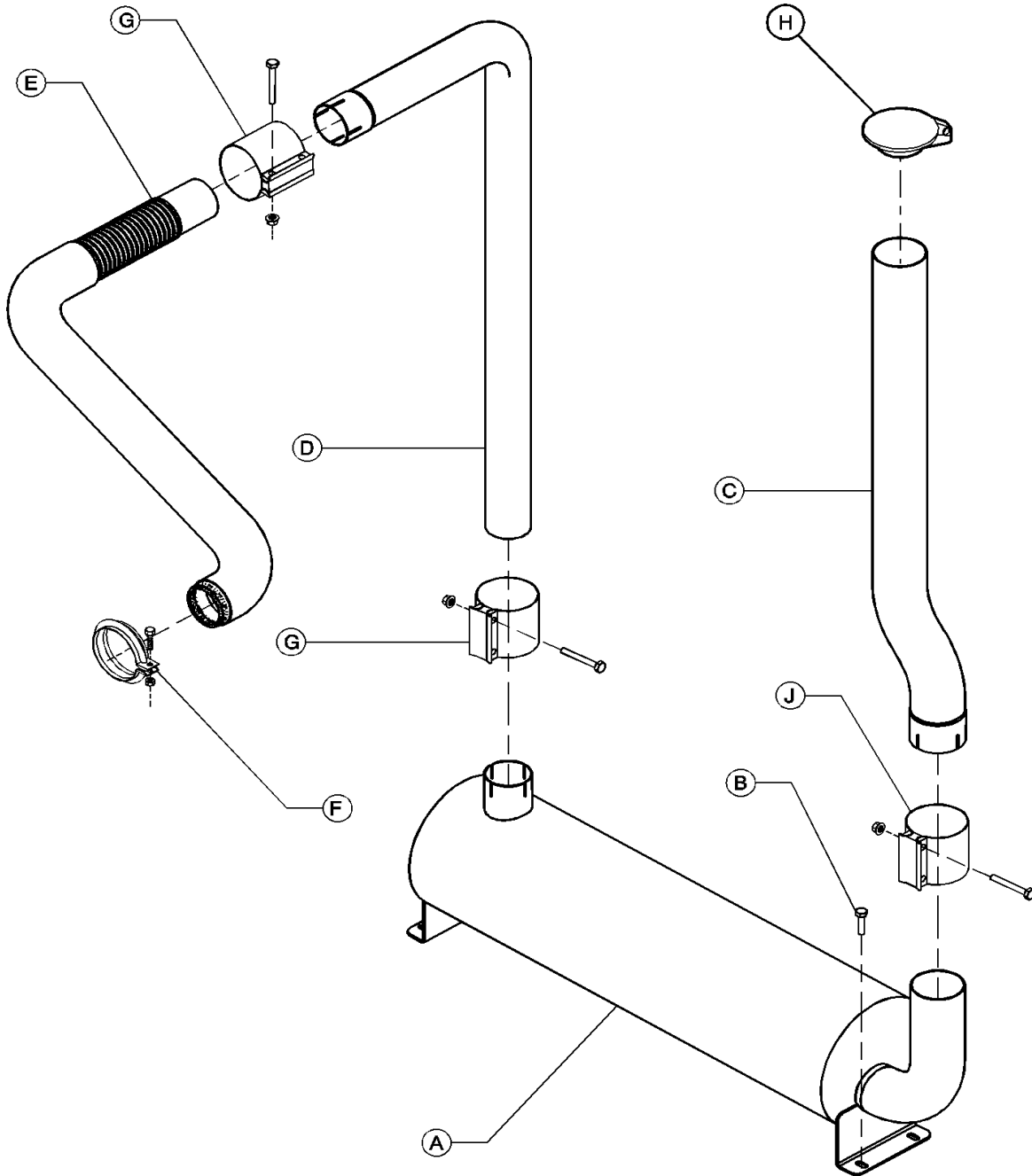
## COOLERS and FAN SHROUD COMPLETE (cont'd)



22592075\_10\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| X    | 22177265  | CONNECTOR, FLEXIBLE             | 3   |                  |
| Y    | 22482350  | PIPE, CHARGE AIR COOLER/ENGINE  | 1   |                  |
| Z    | 35204130  | BRACKET, FLAT                   | 1   |                  |
| A1   | 36889608  | SCREW, HEX FLANGE M08-1.25 X 25 | 1   |                  |
| A2   | 35119718  | CLAMP, SUPPORT 2"               | 1   |                  |
| A3   | 36881886  | NUT, HEX FLANGE M08-1.25        | 1   |                  |
| A4   | 35363662  | ADAPTER, BARBED                 | 1   |                  |
| A5   | 35363498  | TUBING, 5/16" FUEL              | 22" |                  |
| A6   | 35286327  | HOSE, 3/4" ID                   | 36" |                  |
| A7   | 95220851  | CLAMP, HOSE                     | 2   |                  |

# EXHAUST COMPLETE

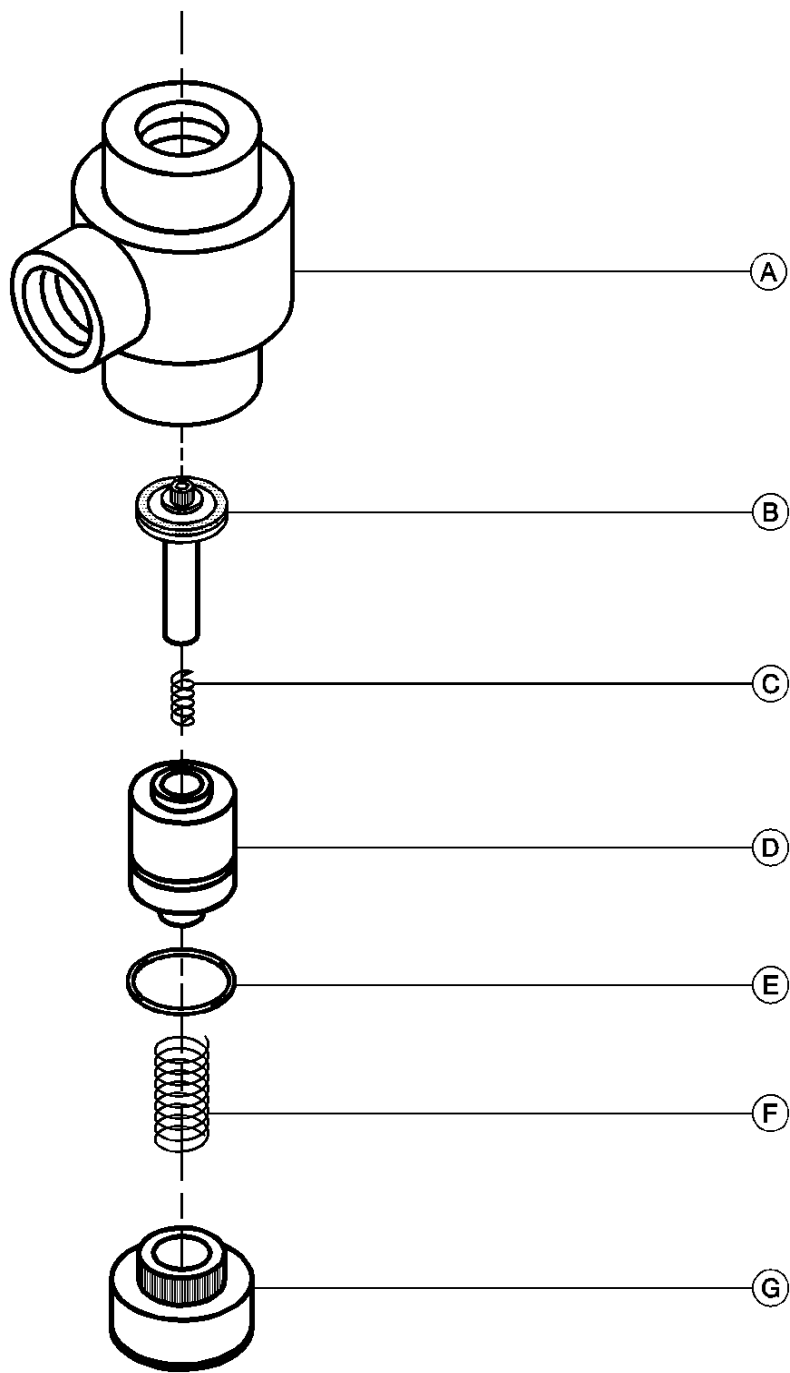


22592075\_11\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| A    | 22231096  | MUFFLER                      | 1   |                  |
| B    | 35279025  | SCREW, TAPPING M08-1.25 X 20 | 4   |                  |
| C    | 22288062  | PIPE, EXHAUST                | 1   |                  |
| D    | 22494421  | TUBE, EXHAUST ELBOW          | 1   |                  |
| E    | 22475685  | TUBE, EXHAUST CUMMINS        | 1   |                  |
| F    | 22658587  | CLAMP, EXHAUST               | 1   |                  |
| G    | 35293059  | CLAMP, EXHAUST SEAL          | 3   |                  |
| H    | 36869337  | CAP, RAIN                    | 1   |                  |
| J    | 35293067  | CLAMP, EXHAUST SEAL          | 1   |                  |



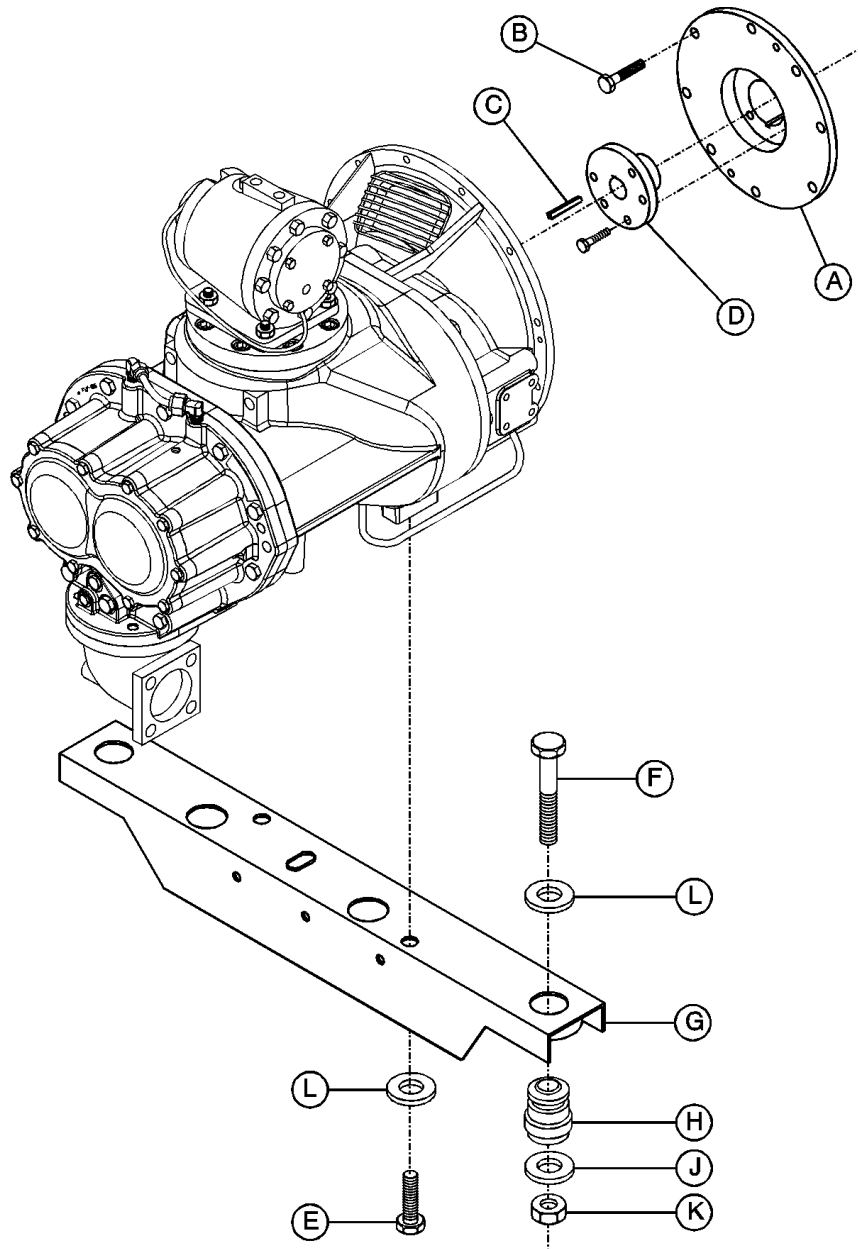
MINIMUM PRESSURE VALVE



22592075\_12\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A    | 22146625  | BODY, MIN PRESS VALVE       | 1   |                  |
| B    | 22146633  | CV ASSEMBLY                 | 1   |                  |
| C    | 35380732  | SPRING                      | 1   |                  |
| D    | 22146617  | PISTON                      | 1   |                  |
| E    | 35380724  | O-RING                      | 1   |                  |
| F    | 35380740  | SPRING                      | 1   |                  |
| G    | 35380757  | CAP                         | 1   |                  |
|      | 22146641  | MIN PRESSURE VALVE ASSEMBLY |     |                  |

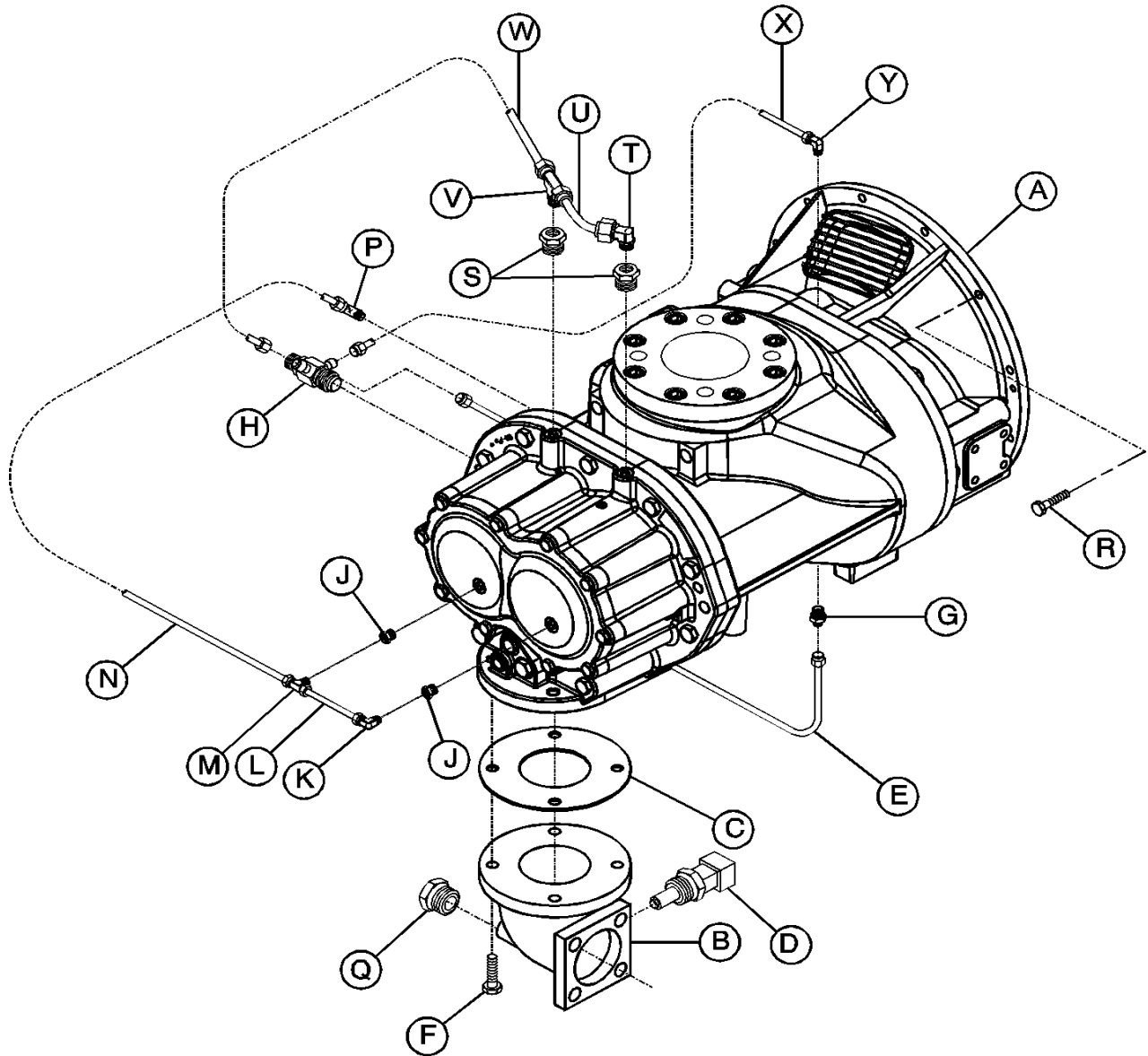
## AIREND COUPLING



22592075\_13\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| A    | 35834779  | COUPLING, CLUTCH                | 1   |                  |
| B    | 95220604  | SCREW, SOCKET HEAD 3/8-16 X .75 | 8   |                  |
| C    | 35321421  | KEY, 3/8 SQ X 2.75              | 1   |                  |
| D    | 35589621  | BUSHING, CLUTCH                 | 1   |                  |
| E    | 35375591  | SCREW, HEX M16-2.0 X 30         | 2   |                  |
| F    | 96701503  | SCREW, HEX M16-2.0 X 90         | 2   |                  |
| G    | 43208511  | SUPPORT, AIREND                 | 1   |                  |
| H    | 35318229  | ISOLATOR, CENTER BOND MOUNT     | 2   |                  |
| J    | 35327212  | WASHER, SNUBBER                 | 2   |                  |
| K    | 96704630  | NUT, NYLOC M16-2.0              | 2   |                  |
| L    | 95935052  | WASHER, FLAT                    | 4   |                  |

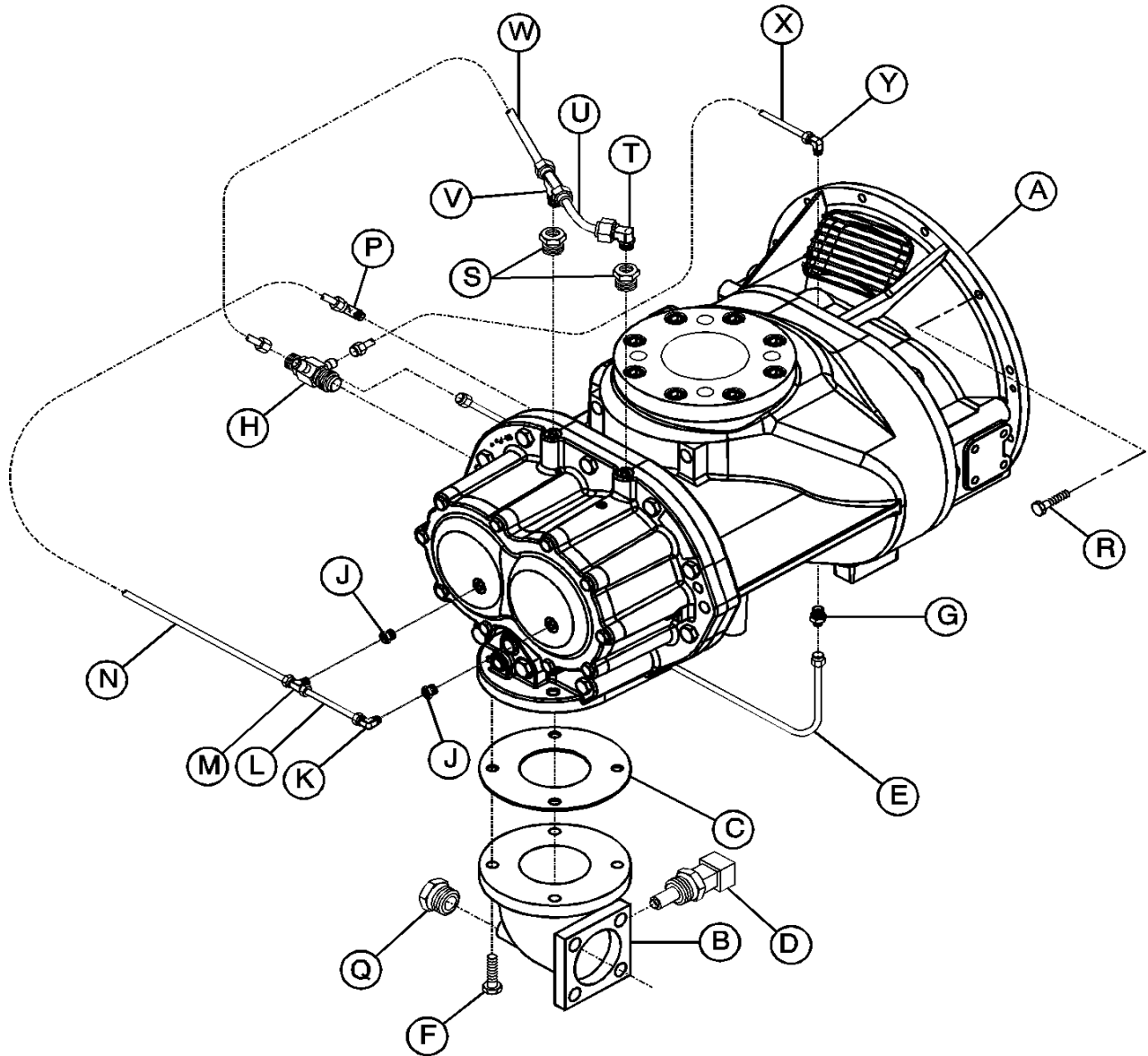
# AIREND COMPLETE



22592075\_14\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| A    | 36084275  | AIREND ASSEMBLY                | 1   | P425             |
|      | 36084243  | AIREND ASSEMBLY                | 1   | XP375            |
|      | 36084259  | AIREND ASSEMBLY                | 1   | HP375            |
| B    | 22247340  | ELBOW, DISCHARGE               | 1   |                  |
| C    | 35575570  | GASKET                         | 1   |                  |
| D    | 35590983  | SWITCH, TEMPERATURE            | 1   |                  |
| E    | 36879013  | TUBE ASSEMBLY                  | 1   |                  |
| F    | 35375385  | SCREW, HEX M16-2.0 X 40        | 4   |                  |
| G    | 95402806  | ADAPTER, 7/16-20 X -6JIC       | 1   |                  |
| H    | 36845154  | MANIFOLD, OIL                  | 1   |                  |
| J    | 36846095  | CONNECTOR, .75 ORING X -10JIC  | 2   |                  |
| K    | 35286491  | ELBOW, 90o SAE 7/8-14 X -10JIC | 1   |                  |
| L    | 36846111  | TUBE, MALE REAR SCAVENGE       | 1   |                  |

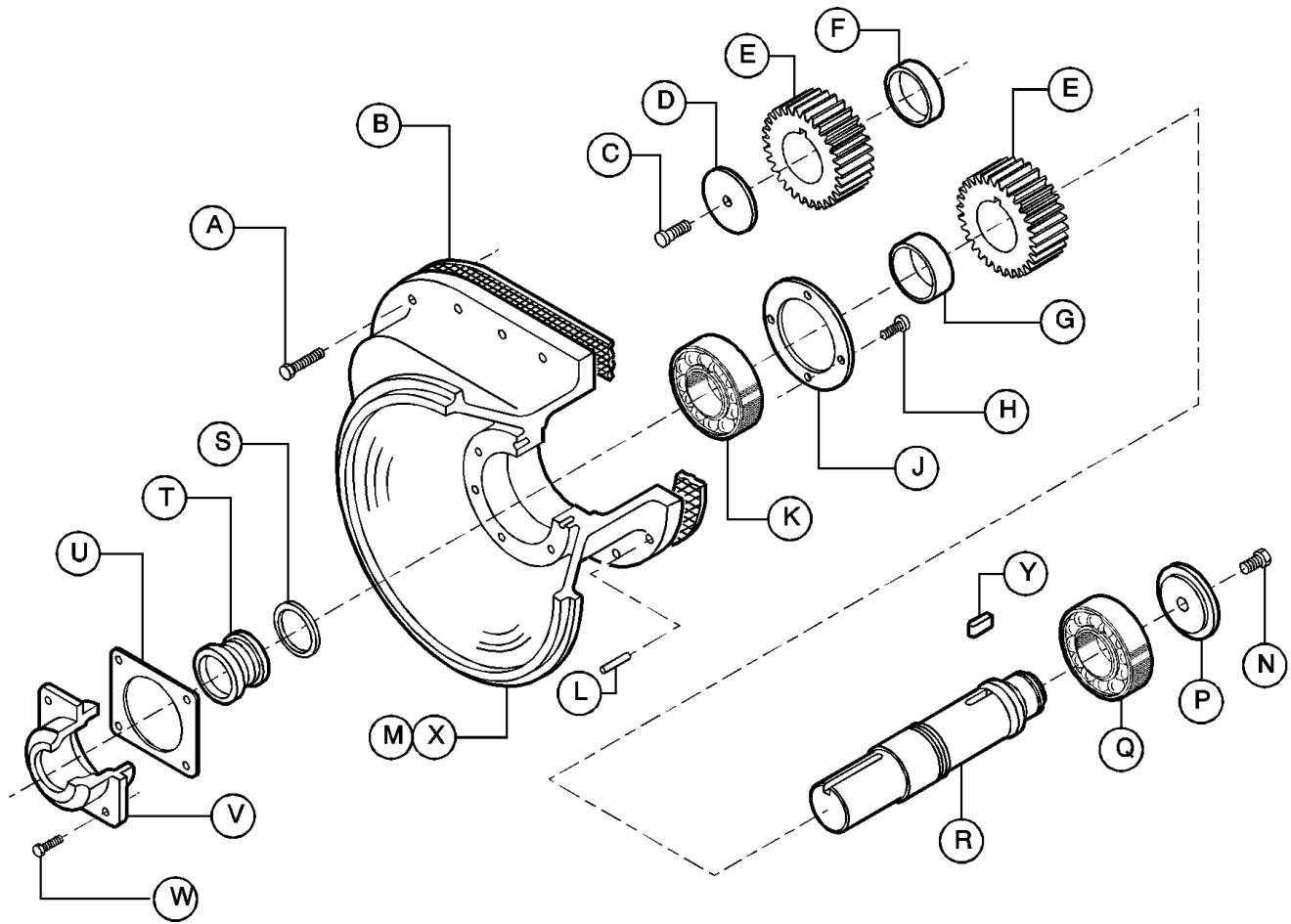
# AIREND COMPLETE



22592075\_14\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                       | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------------|-----|------------------|
| M    | 36846129  | TEE, BRANCH 7/8-14 X -10JIC       | 1   |                  |
| N    | 36846103  | TUBE, BEARING OIL SCAVENGE        | 1   |                  |
| P    | 35305622  | ELBOW, 90o SAE 3/4-16 X -10JIC    | 1   |                  |
| Q    | 95949491  | PLUG .75-16 O-RING                | 1   |                  |
| R    | 96701917  | SCREW, HEX M10-1.5 X 30           | 12  |                  |
| S    | 35287945  | EXPANDER, 7/16-20 X 9/16-18       | 2   |                  |
| T    | 35279827  | ELBOW, 90o SWIVEL 9/16-18 X -6JIC | 1   |                  |
| U    | 36795482  | TUBE ASSEMBLY                     | 1   |                  |
| V    | 35279843  | TEE, BRANCH 9/16-18 X -6JIC       | 1   |                  |
| W    | 36846087  | TUBE, BEARING OIL SUPPLY          | 1   |                  |
| X    | 36846152  | TUBE, FRONT OIL SEAL              | 1   |                  |
| Y    | 35279884  | ELBOW, 45o SAE 7/16-20 X -4JIC    | 1   |                  |

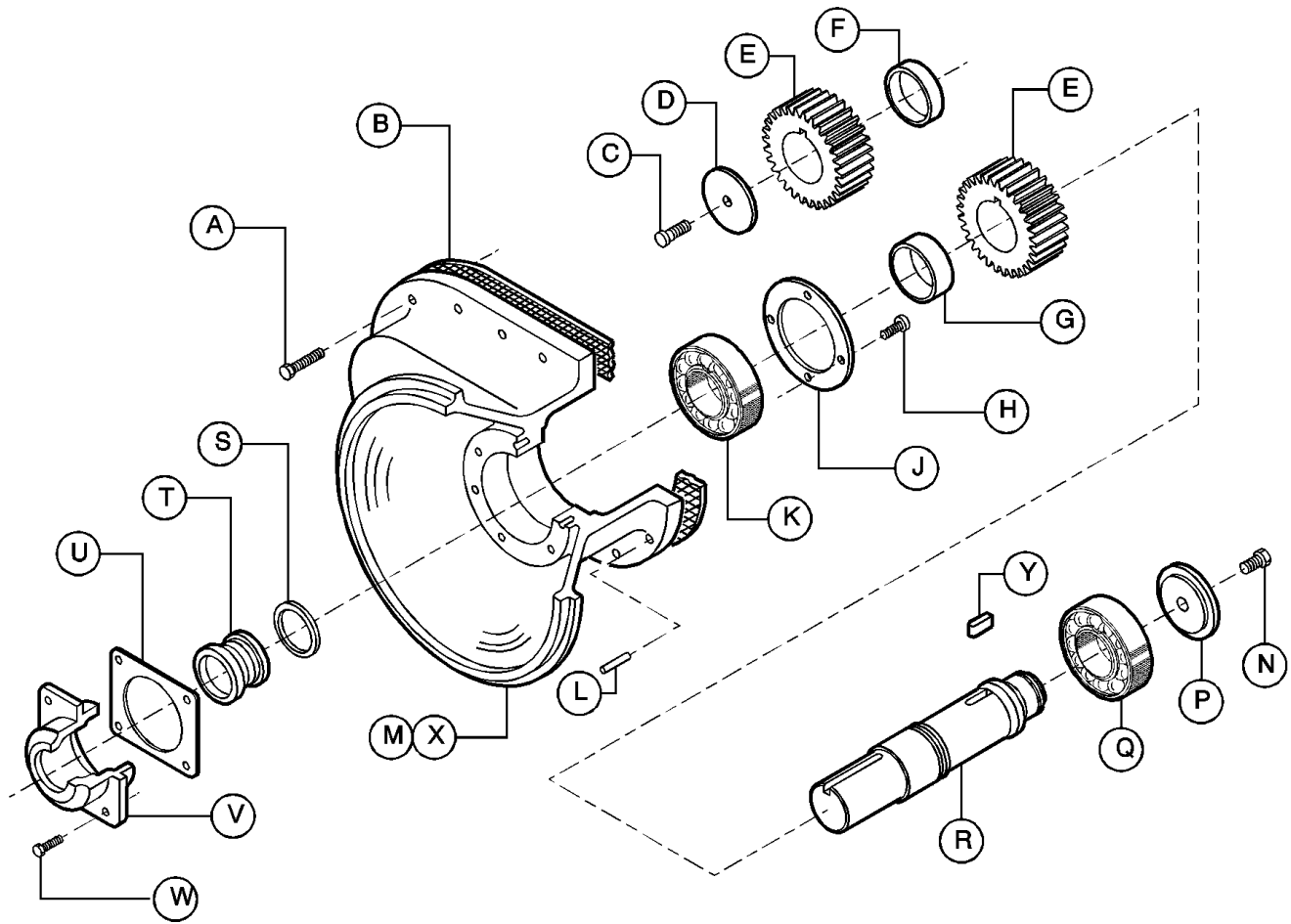
## AIREND GEAR CASE ASSEMBLY



22592075\_15\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                         | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------------|-----|------------------|
| A    | 96716162  | SCREW, HEX SOCKET M16-2.0 X 40      | 12  |                  |
| B    | 39437637  | GASKET                              | 1   |                  |
| C    | 35108372  | SCREW, HEX HD 1/2-13 X 1.25"        | 1   |                  |
| D    | 35255827  | PLATE, CLAMP                        | 1   |                  |
| E    | 22377949  | GEAR SET                            | 1   | P425             |
|      | 35303429  | GEAR SET                            | 1   | XP375            |
|      | 22378004  | GEAR SET                            | 1   | HP375            |
| F    | 35262716  | SPACER                              | 1   |                  |
| G    | 35269224  | SPACER, BEARING                     | 1   |                  |
| H    | 95264149  | SCREW, HEX SOCKET CAP 3/8-16 X 2.0" | 4   |                  |
| J    | 35573070  | PLATE, RETAINING                    | 1   |                  |
| K    | 35601517  | BEARING, BALL                       | 1   |                  |

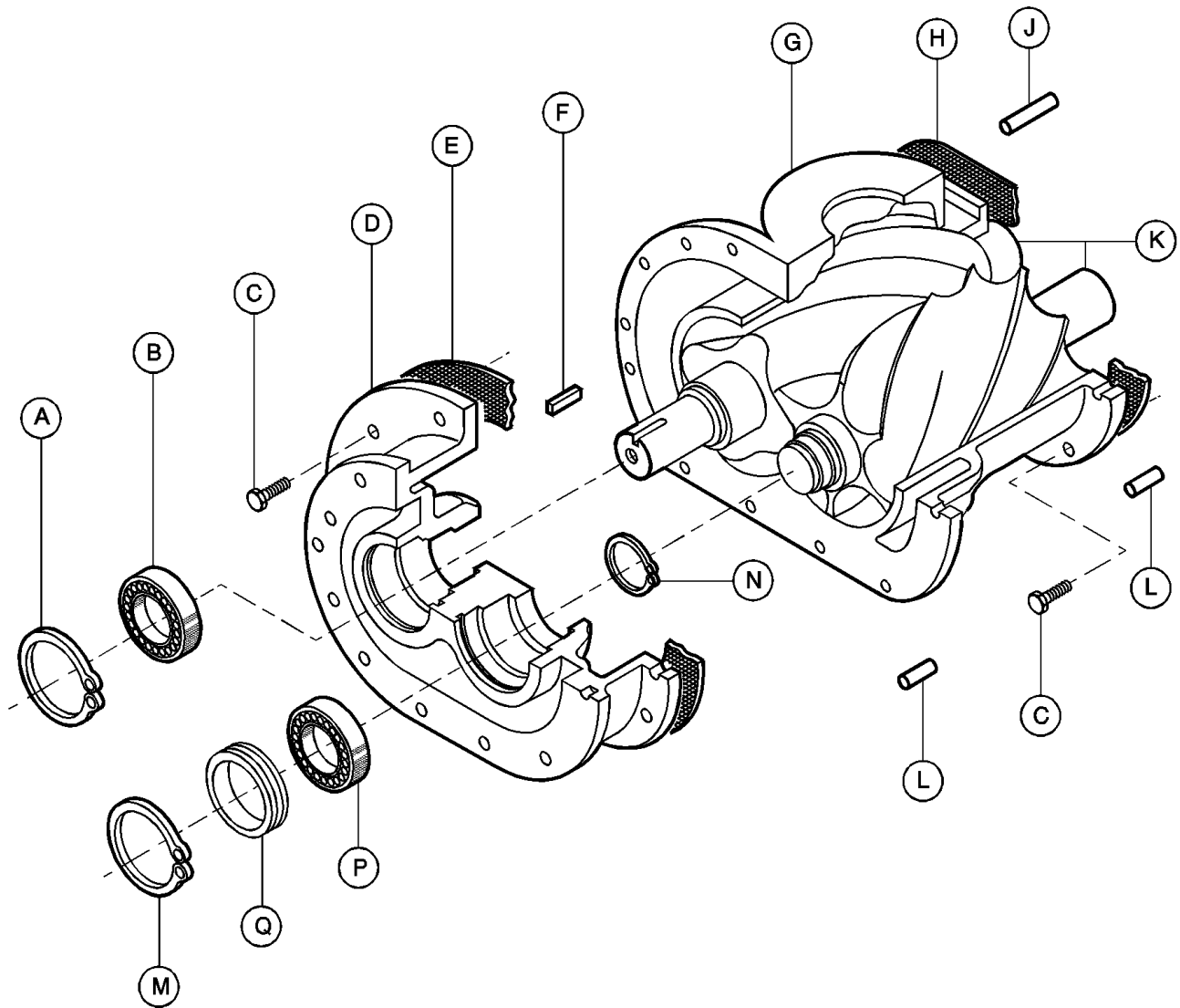
## AIREND GEAR CASE ASSEMBLY



22592075\_15\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                        | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------------|-----|------------------|
| L    | 95239919  | PIN, DOWEL 1/2 X 1.25"             | 2   |                  |
| M    | 35996164  | CASE, GEAR                         | 1   |                  |
| N    | 35336304  | SCREW, HEX SOCKET CAP M10-1.5 X 25 | 1   |                  |
| P    | 36764785  | CAP, GUIDE                         | 1   |                  |
| Q    | 35313568  | BEARING, CYLINDRICAL ROLLER        | 1   |                  |
| R    | 36780906  | SHAFT, GEAR                        | 1   |                  |
| S    | 35104082  | NUT, LOCK                          | 1   |                  |
| T    | 35593508  | SEAL, OIL                          | 1   |                  |
| U    | 35210087  | GASKET                             | 1   |                  |
| V    | 35592757  | COVER, OIL SEAL                    | 1   |                  |
| W    | 96712187  | SCREW, HEX SOCKET M12-1.75 X 30    | 6   |                  |
| X    | 36798205  | GUARD                              | 2   |                  |
| Y    | 35361328  | KEY                                | 1   |                  |

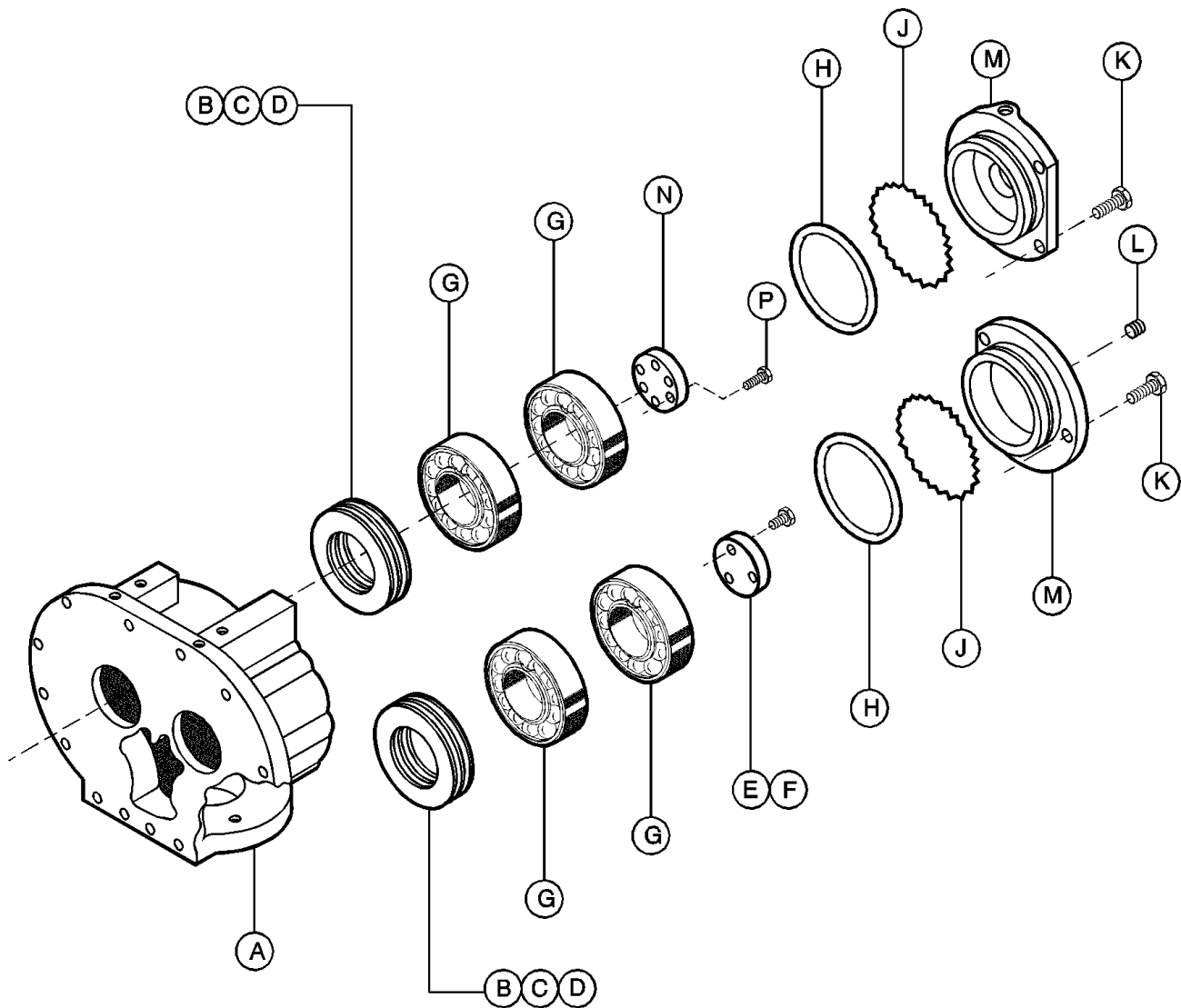
# AIREND ROTOR HOUSING ASSEMBLY



22592075\_16\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| A    | 95223194  | RING, SNAP                     | 1   |                  |
| B    | 35313535  | BEARING, CYLINDRICAL ROLLER    | 1   |                  |
| C    | 96716162  | SCREW, HEX SOCKET M16-2.0 X 40 | 13  |                  |
| D    | 39703921  | HOUSING, FRONT BEARING         | 1   |                  |
| E    | 35518497  | GASKET, FRONT BEARING HOUSING  | 1   |                  |
| F    | 95381109  | KEY, 3/8" SQ.                  | 1   |                  |
| G    | 39748942  | HOUSING, ROTOR                 | 1   |                  |
| H    | 39437629  | GASKET, REAR BEARING HOUSING   | 1   |                  |
| J    | 95239927  | PIN, DOWEL 1/2 X1.5"           | 2   |                  |
| K    | 36008241  | ROTOR SET                      | 1   |                  |
| L    | 35332915  | PIN, LOCATOR                   | 2   |                  |
| M    | 95223178  | RING, SNAP                     | 1   |                  |
| N    | 95223806  | RING, SNAP                     | 1   |                  |
| P    | 35609361  | BEARING, CYLINDRICAL ROLLER    | 1   |                  |
| Q    | 35270131  | SPACER, BEARING                | 1   |                  |

## AIREND REAR BEARING HOUSING ASSEMBLY

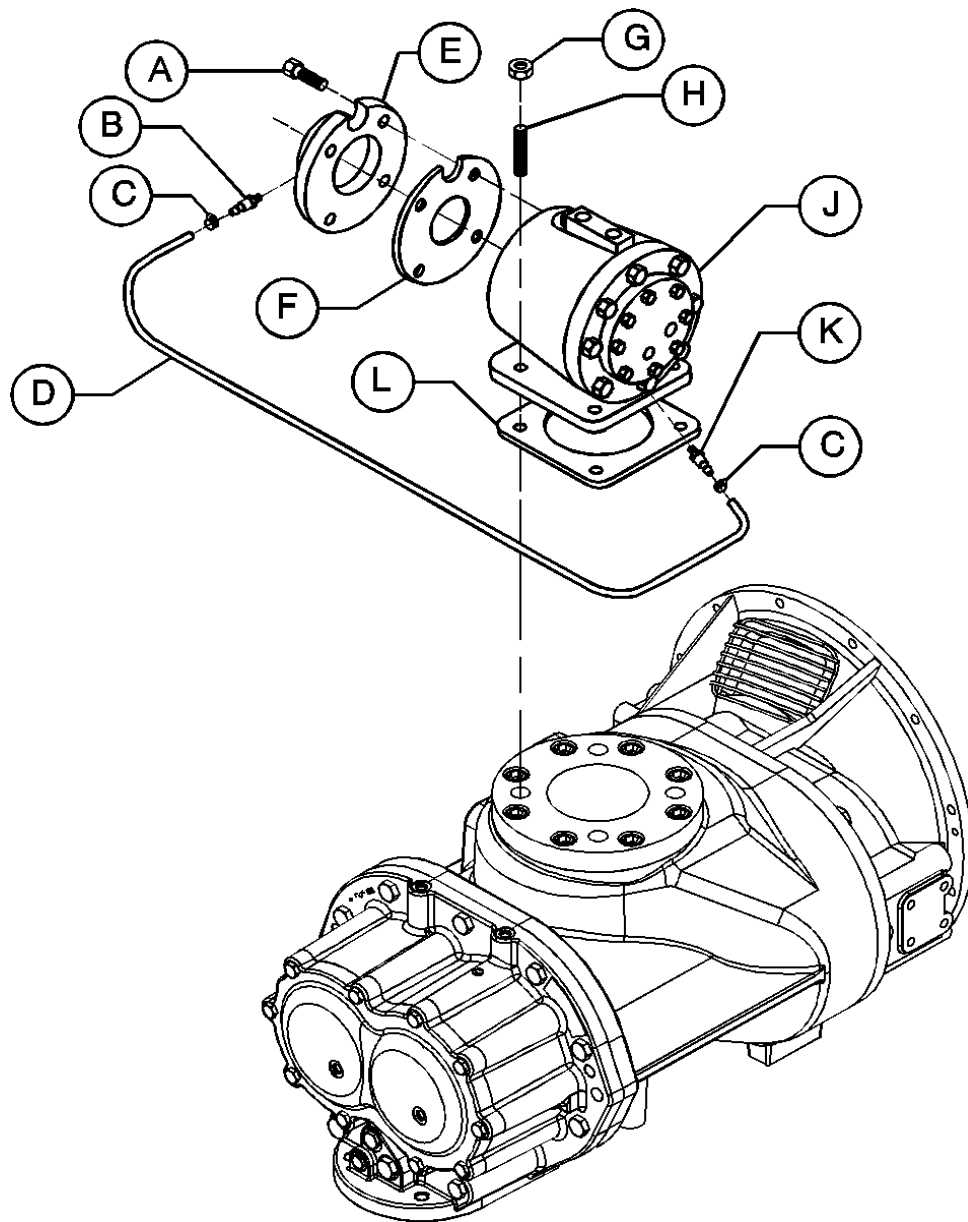


22592075\_17\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                           | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------------|-----|------------------|
| A    | 36769404  | HOUSING, REAR BEARING                 | 1   |                  |
| B    | 35313600  | SHIM, .002                            | 4   |                  |
| C    | 35313618  | SHIM, .003                            | 4   |                  |
| D    | 35364769  | SHIM, .010                            | 2   |                  |
| E    | 35262690  | PLATE, CLAMP                          | 1   |                  |
| F    | 35104108  | SCREW, HEX 3/8-16 X 1.25"             | 3   |                  |
| G    | 39437595  | BEARING, TAPERED ROLLER               | 4   |                  |
| H    | 95358131  | O-RING                                | 2   |                  |
| J    | 35354448  | SHIM SET                              | 2   |                  |
| K    | 96712187  | SCREW, HEX M12-1.75 X 30              | 6   |                  |
| L    | 35287556  | PLUG                                  | 1   |                  |
| M    | 36500832  | COCVER, REAR BEARING                  | 2   |                  |
| N    | 39435441  | PLATE, CLAMP                          | 1   |                  |
| P    | 95494167  | SCREW, HEX SOCKET CAP 5/16-18 X 1.25" | 8   |                  |



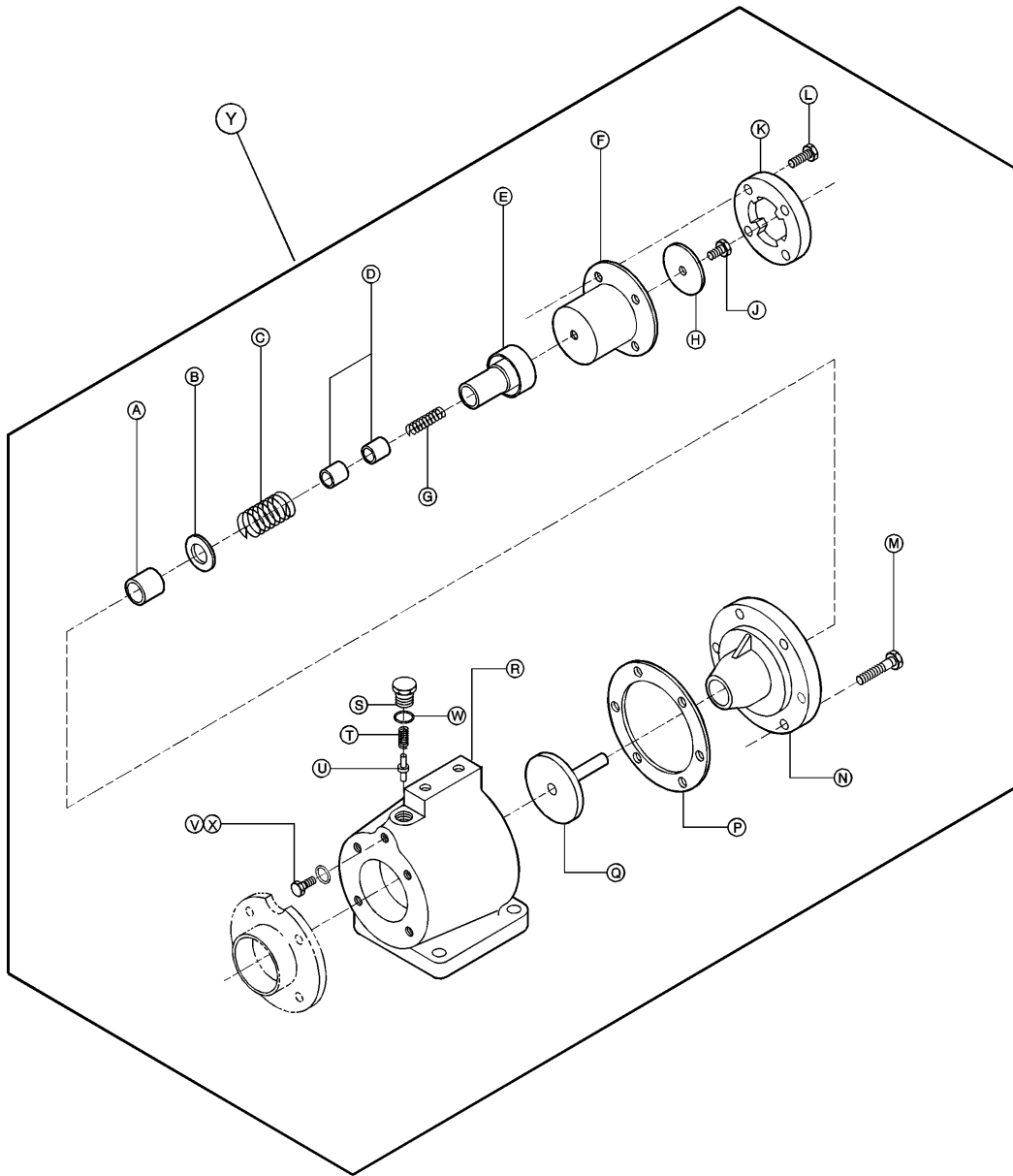
# UNLOADER COMPLETE



22592075\_18\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                   | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------|-----|------------------|
| A    | 96702048  | SCREW, HEX M08-1.25 X 16      | 4   |                  |
| B    | 35316587  | ADAPTER, BARBED 1/8 X 1/8 NPT | 1   |                  |
| C    | 35377621  | CLAMP, SPRING                 | 2   |                  |
| D    | 35282292  | TUBING, TYGON                 | 14" |                  |
| E    | 35843168  | FLANGE, UNLOADER INLET        | 1   |                  |
| F    | 35588318  | GASKET, UNLOADER INLET        | 1   |                  |
| G    | 96701750  | NUT, HEX M16-2.0              | 4   |                  |
| H    | 35323450  | STUD, M16-2.0 X 55            | 4   |                  |
| J    | 35060631  | VALVE, UNLOADER               | 1   |                  |
| K    | 35323542  | ADAPTER, UNLOADER             | 1   |                  |
| L    | 35589589  | GASKET, UNLOADER TO AIREND    | 1   |                  |

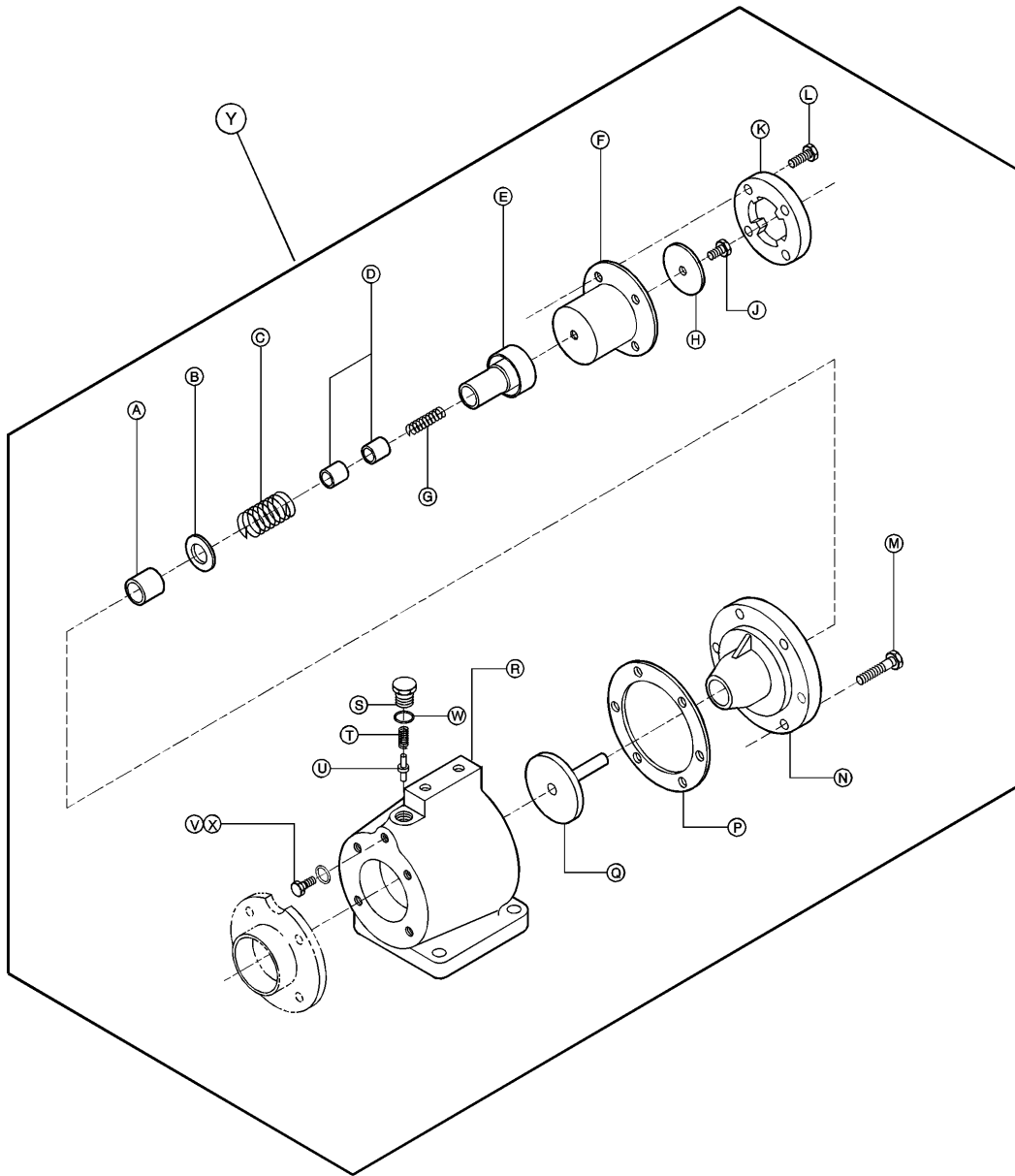
## UNLOADER ASSEMBLY



22592075\_19\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                           | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------------|-----|------------------|
| A    | 35318013  | BUSHING, HOUSING                      | 1   |                  |
| B    | 35317205  | WASHER                                | 1   |                  |
| C    | 35322767  | SPRING, PISTON                        | 1   |                  |
| D    | 35318005  | BUSHING, PISTON                       | 2   |                  |
| E    | 35588193  | PISTON, UNLOADER                      | 1   |                  |
| F    | 35317197  | DIAPHRAGM                             | 1   |                  |
| G    | 35321603  | SPRING                                | 1   |                  |
| H    | 35317239  | WASHER, PISTON                        | 1   |                  |
| J    | 35321595  | SCREW, BUTTON SOC HD CAP M10-1.5 X 16 | 1   |                  |
| K    | 35836949  | COVER, PISTON                         | 1   |                  |
| L    | 35271162  | SCREW, HEX M08-1.25 X 30              | 4   |                  |
| M    | 96702287  | SCREW, HEX M10-1.50 X 25              | 6   |                  |

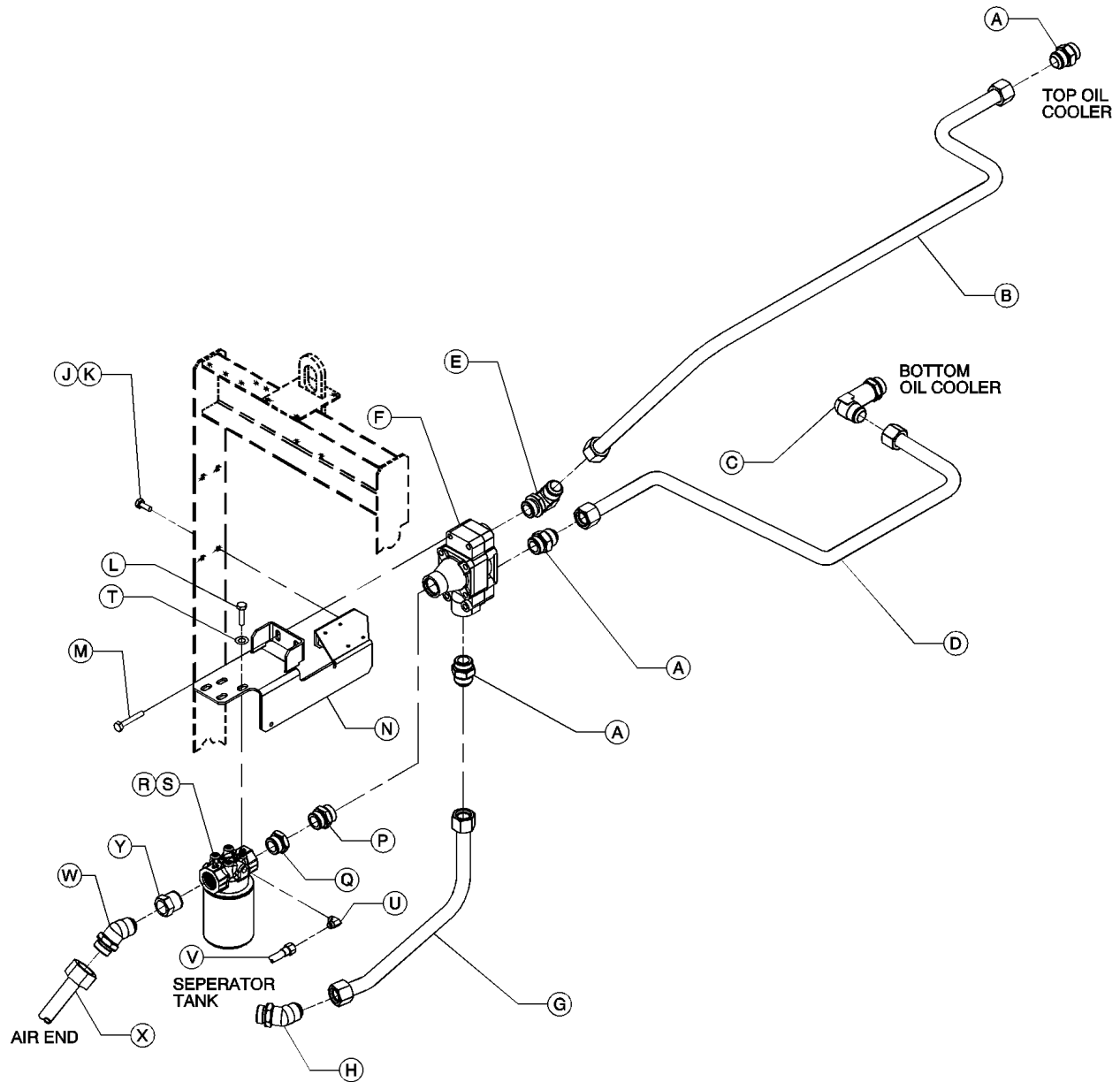
## UNLOADER ASSEMBLY



22592075\_19\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION            | QTY | DIMENSIONS/NOTES         |
|------|-----------|------------------------|-----|--------------------------|
| N    | 35833227  | HOUSING, PISTON        | 1   |                          |
| P    | 35588300  | GASKET, PISTON         | 1   |                          |
| Q    | 35591122  | VALVE, UNLOADER        | 1   |                          |
| R    | 36718427  | BODY, UNLOADER         | 1   |                          |
| S    | 35278555  | PLUG, HEX HD           | 1   |                          |
| T    | 35318914  | SPRING, UNLOADER PIN   | 1   |                          |
| U    | 35317213  | PIN, UNLOADER          | 1   |                          |
| V    | 35289057  | PLUG, HEX              | 1   |                          |
| W    | 35278589  | O RING                 | 1   |                          |
| X    | 35279959  | O RING                 | 1   |                          |
| Y    | 35060631  | ASSY. , UNLOADER VALVE | 1   | Includes all items above |

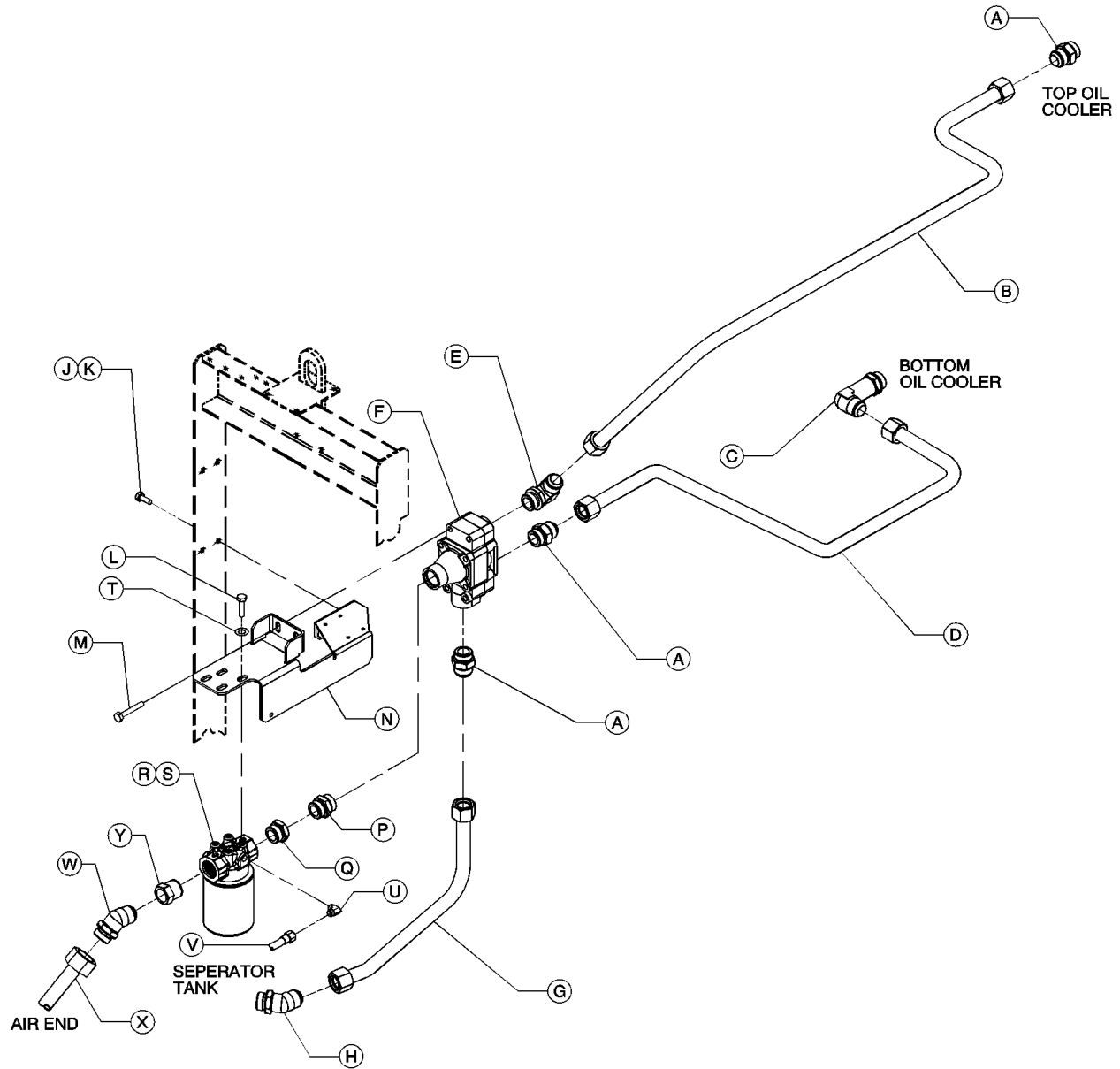
## OTBV / OIL FILTER MOUNTING



22592075\_20\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| A    | 95955993  | CONNECTOR, 1.31 SAE          | 3   |                  |
| B    | 54679998  | TUBE, OIL COOLER TOP         | 1   |                  |
| C    | 95992848  | ELBOW, 90o DEGREE            | 1   |                  |
| D    | 22482384  | TUBE, OTBV TO OIL COOLER     | 1   |                  |
| E    | 95938171  | ELBOW, 90o 1.31 SAE          | 1   |                  |
| F    | 54414420  | OTBV, 1.31 SAE               | 1   |                  |
| G    | 35231455  | HOSE, -16 X 22.25"           | 1   |                  |
| H    | 35291384  | ELBOW, 90o 1.31-12 X -16JIC  | 1   |                  |
| J    | 35279025  | SCREW, TAPPING M08-1.25 X 20 | 2   |                  |
| K    | 36881886  | NUT, HEX FLANGE M08-1.25     | 2   |                  |
| L    | 35252493  | SCREW, LOCKING 3/8-16 X 3/4  | 2   |                  |

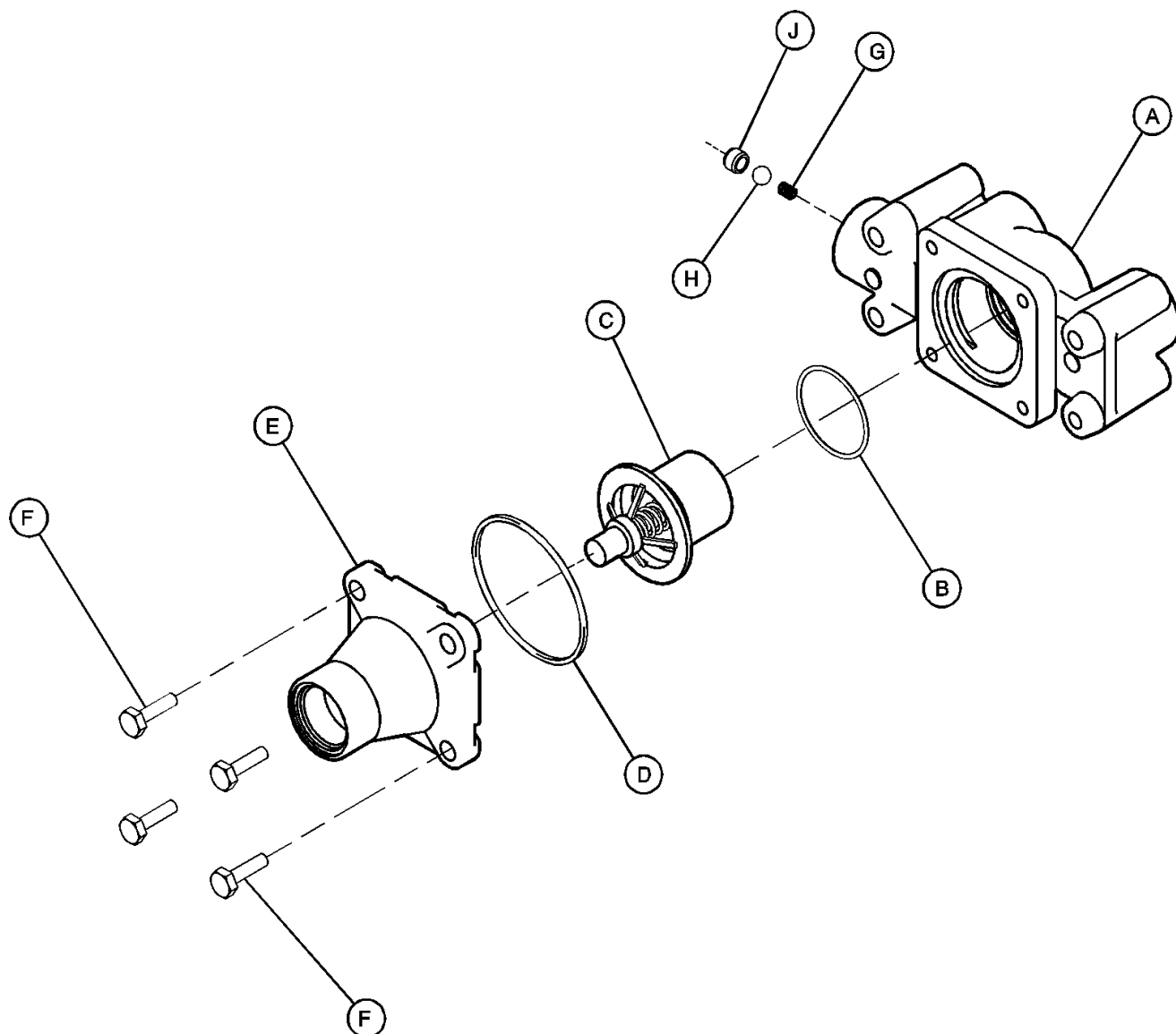
## OTBV / OIL FILTER MOUNTING



22592075\_20\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                      | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------|-----|------------------|
| M    | 36786382  | SCREW, M08-1.25 X 70             | 2   |                  |
| N    | 36880367  | SUPPORT, OIL FILTER              | 1   |                  |
| P    | 95954921  | UNION, 1.31 SAE                  | 1   |                  |
| Q    | 95954913  | REDUCER, 1.62 SAE X 1.31 FEM SAE | 1   |                  |
| R    | 36897437  | HEAD, SINGLE FILTER              | 1   |                  |
| S    | 36897346  | ELEMENT, OIL FILTER              | 1   |                  |
| T    | 95935037  | WASHER, FLAT                     | 2   |                  |
| U    | 95365094  | ELBOW, 9/16 X -4 JIC             | 1   |                  |
| V    | 35282920  | HOSE ASSEMBLY -4 JIC X 30"       | 1   |                  |
| W    | 35307206  | ELBOW, SWIVEL 45o -16JIC         | 1   |                  |
| X    | 35324177  | HOSE ASSEMBLY, -16 JIC X 13"     | 1   |                  |
| Y    | 35292069  | CONNECTOR, 1.62-12 X -16JIC      | 1   |                  |

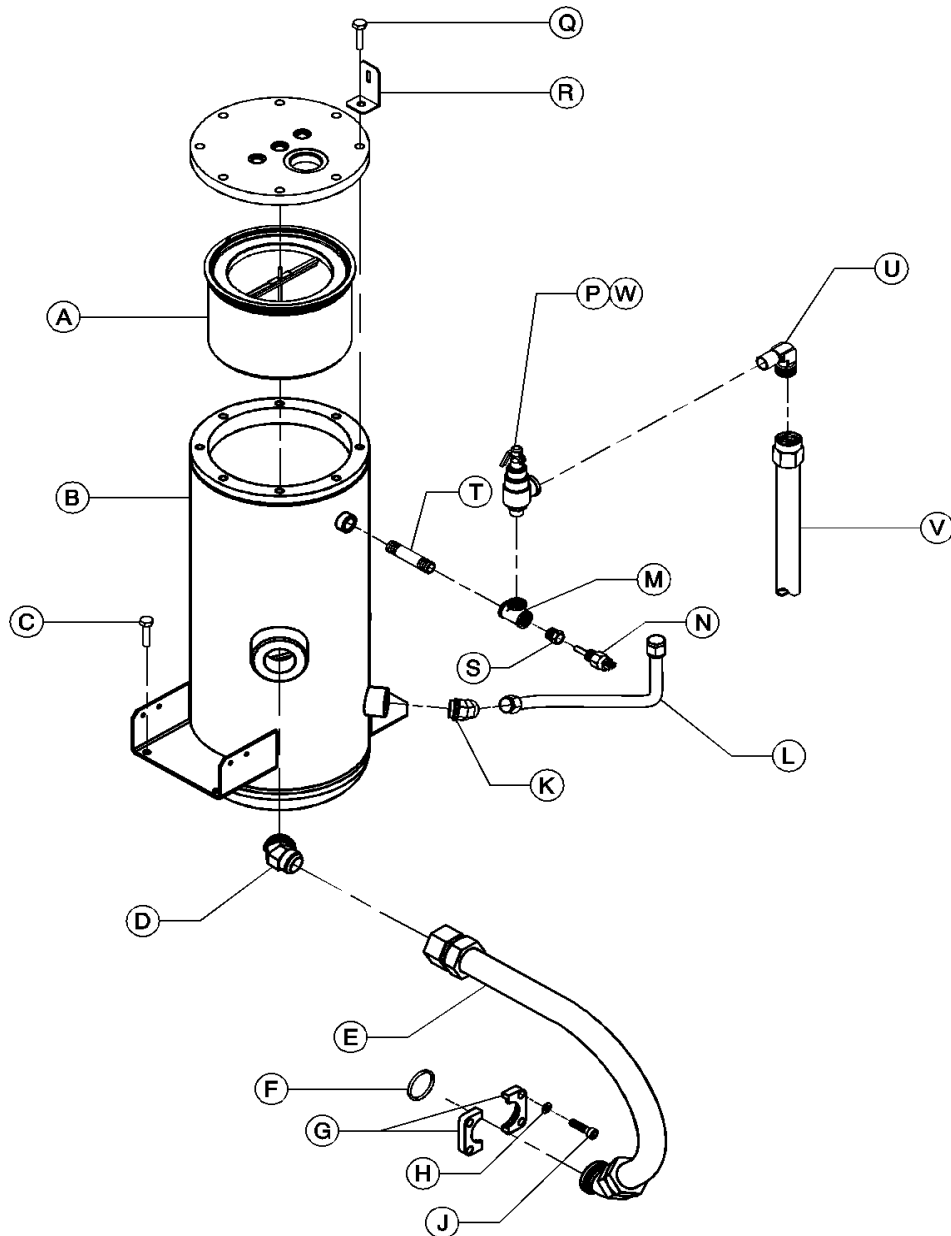
## OIL TEMPERATURE BYPASS VALVE



22592075\_21\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------|-----|------------------|
| A    | 54414305  | HOUSING, OTBV            | 1   |                  |
| B    | 36788172  | SEAL, U-TYPE VITON       | 1   |                  |
| C    | 36782019  | ELEMENT, 125-145 DEG F   | 1   |                  |
| D    | 95022307  | O-RING                   | 1   |                  |
| E    | 36876779  | COVER                    | 1   |                  |
| F    | 96702659  | SCREW, HEX M08-1.25 X 25 | 4   |                  |
| G    | 35379940  | SPRING                   | 1   |                  |
| H    | 35288448  | BALL                     | 1   |                  |
| J    | 54414677  | ORIFICE, OIL             | 1   |                  |

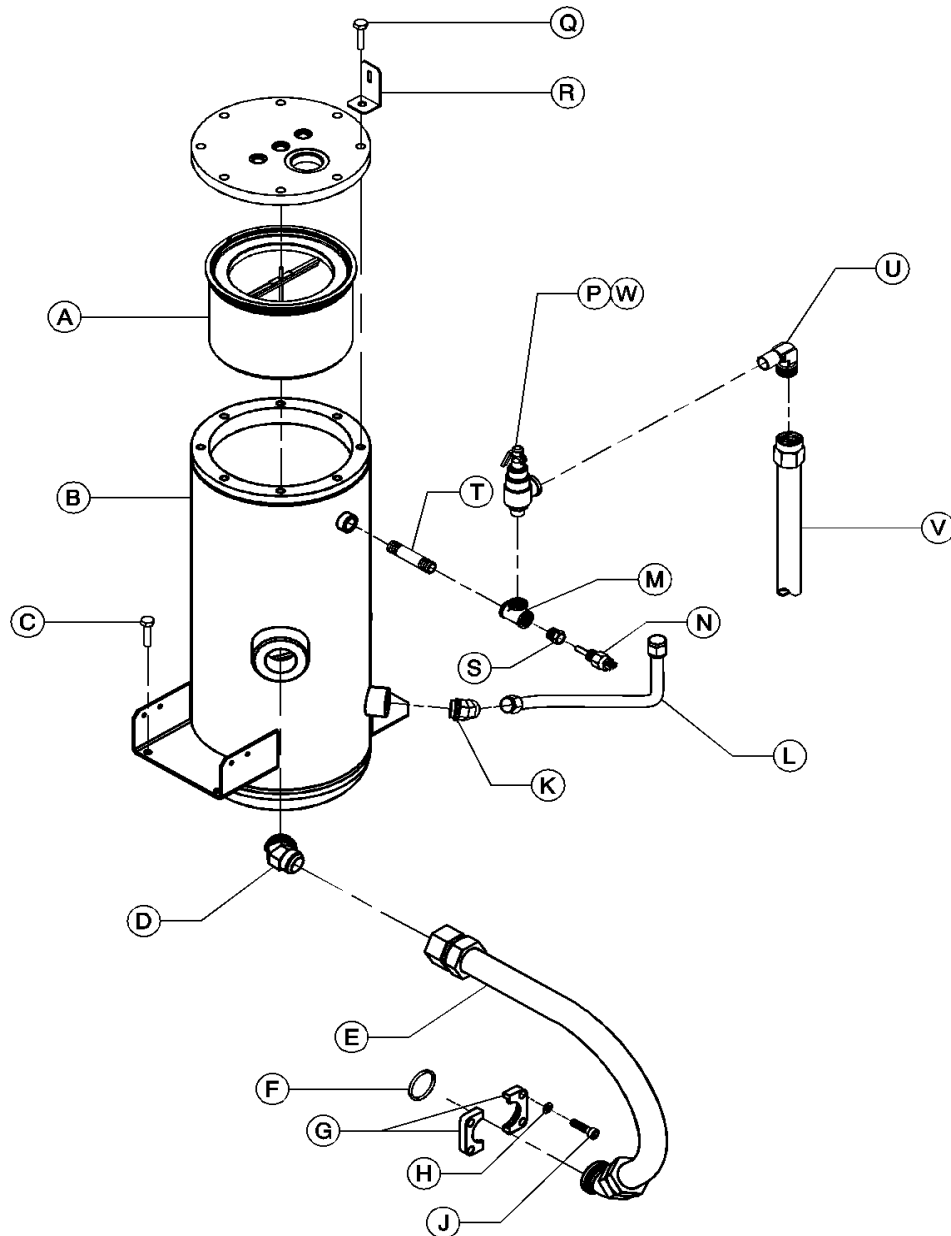
## SEPARATOR TANK COMPLETE



22592075\_22\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| A    | 22111975  | ELEMENT, SEPARATOR              | 1   |                  |
| B    | 22331870  | TANK, SEPARATOR                 | 1   |                  |
| C    | 36888055  | SCREW, HEX FLANGE M12-1.75 X 30 | 4   |                  |
| D    | 95944732  | ELBOW, 45o 2.50 SAE             | 1   |                  |
| E    | 54688015  | HOSE, DISCHARGE                 | 1   |                  |
| F    | 95357976  | O-RING                          | 1   |                  |
| G    | 35292143  | FLANGE, HALF                    | 2   |                  |
| H    | 95934683  | WASHER, LOCK                    | 4   |                  |
| J    | 96719810  | SCREW, HEX M14-2.0 X 40         | 4   |                  |
| K    | 35291384  | ELBOW, 90o 1.31 SAE             | 1   |                  |
| L    | 35231455  | TUBE, OTBV TO SEP TK            | 1   |                  |

## SEPARATOR TANK COMPLETE (cont'd)

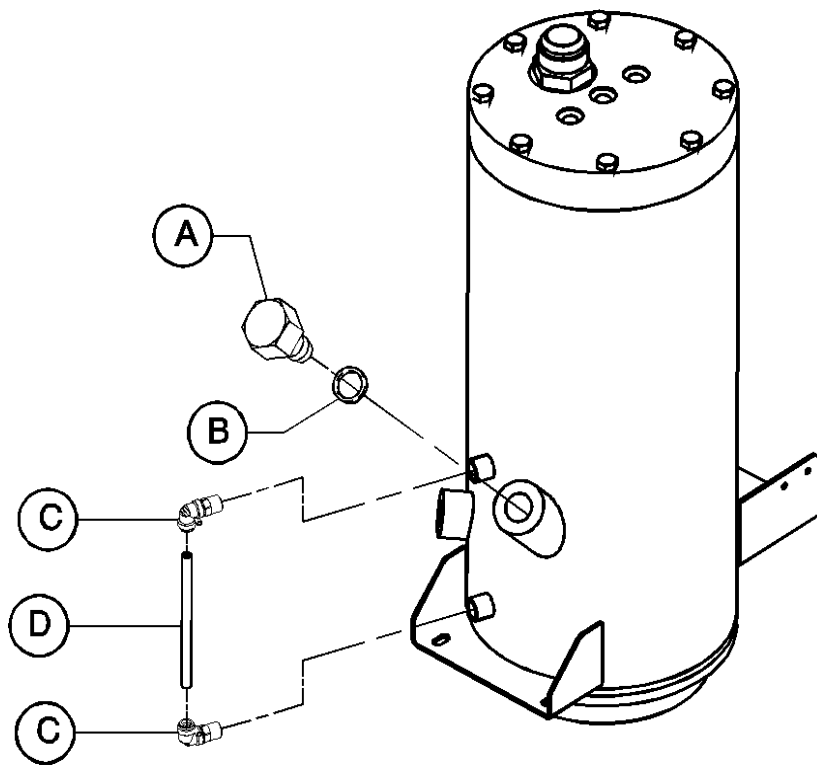


22592075\_22\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES         |
|------|-----------|---------------------------------|-----|--------------------------|
| M    | 95954210  | TEE, 3/4 NPT                    | 1   | (P425)<br>(HP375, XP375) |
| N    | 36865756  | SWITCH, TEMPERATURE             | 1   |                          |
| P    | 54731435  | VALVE, SAFETY 150PSI            | 1   |                          |
|      | 54731443  | VALVE, SAFETY 200PSI            | 1   |                          |
| Q    | 96727557  | SCREW, HEX FLANGE M16 X 60      | 8   |                          |
| R    | 36785012  | BRACKET, SEPERATOR TANK LIFT    | 2   |                          |
| S    | 95953949  | BUSHING, REDUCING NPT 3/4 X 1/2 | 2   |                          |
| T    | 95928040  | NIPPLE, CLOSED 3/4 NPT          | 1   |                          |
| U    | 95279410  | ELBOW, 1.25 NPT X -16 JIC       | 1   |                          |
| V    | 22060073  | TUBE, DISCHARGE                 | 1   |                          |
| W    | 95049359  | PLUG, 1/8NPT                    | 1   |                          |



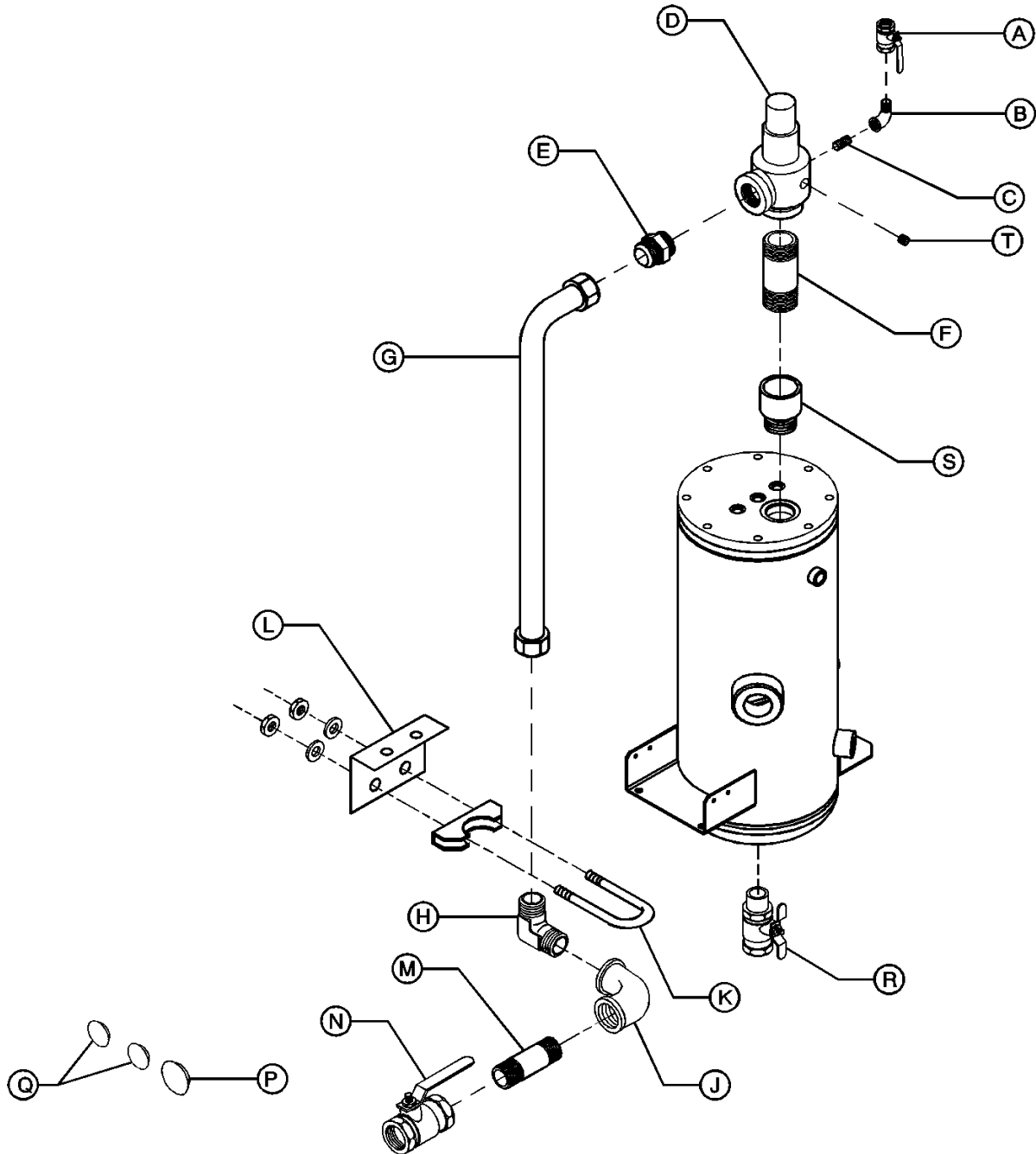
# SEPARATOR TANK COMPLETE (cont'd)



22592075\_23\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION       | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------|-----|------------------|
| A    | 35579630  | PLUG, 1.62"       | 1   |                  |
| B    | 35279942  | O-RING            | 1   |                  |
| C    | 54627799  | ELBOW, SIGHT TUBE | 2   |                  |
| D    | 54629464  | TUBE, SIGHT       | 1   |                  |

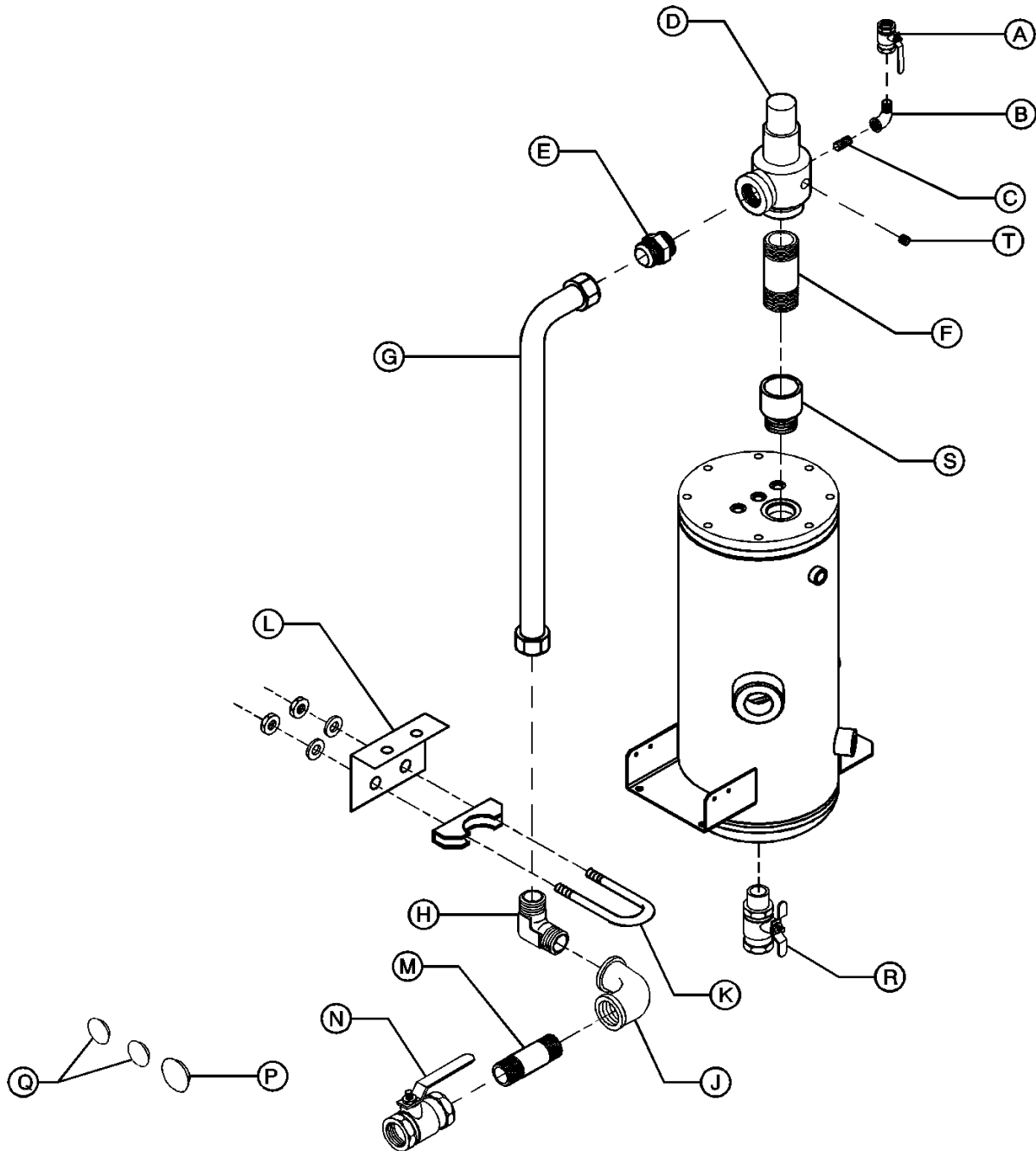
# SERVICE AIR COMPLETE



22592075\_24\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A    | 35576115  | VALVE, 3/4 NPT BALL         | 1   |                  |
| B    | 95928172  | ELBOW, STREET 3/4 NPT       | 1   |                  |
| C    | 95928040  | NIPPLE, CLOSED 3/4 NPT      | 1   |                  |
| D    | 22146641  | VALVE, MINIMUM PRESSURE     | 1   |                  |
| E    | 95208682  | ADAPTER, 1.50 NPT X 1.50    | 1   |                  |
| F    | 95242996  | NIPPLE, 1.50 X 2.00 LG      | 1   |                  |
| G    | 54698675  | TUBE, SERVICE               | 1   |                  |
| H    | 95279477  | ELBOW,, 1.25 NPT X -24 JIC  | 1   |                  |
| J    | 95928024  | ELBOW, REDUCING 1.50 X 1.25 | 1   |                  |

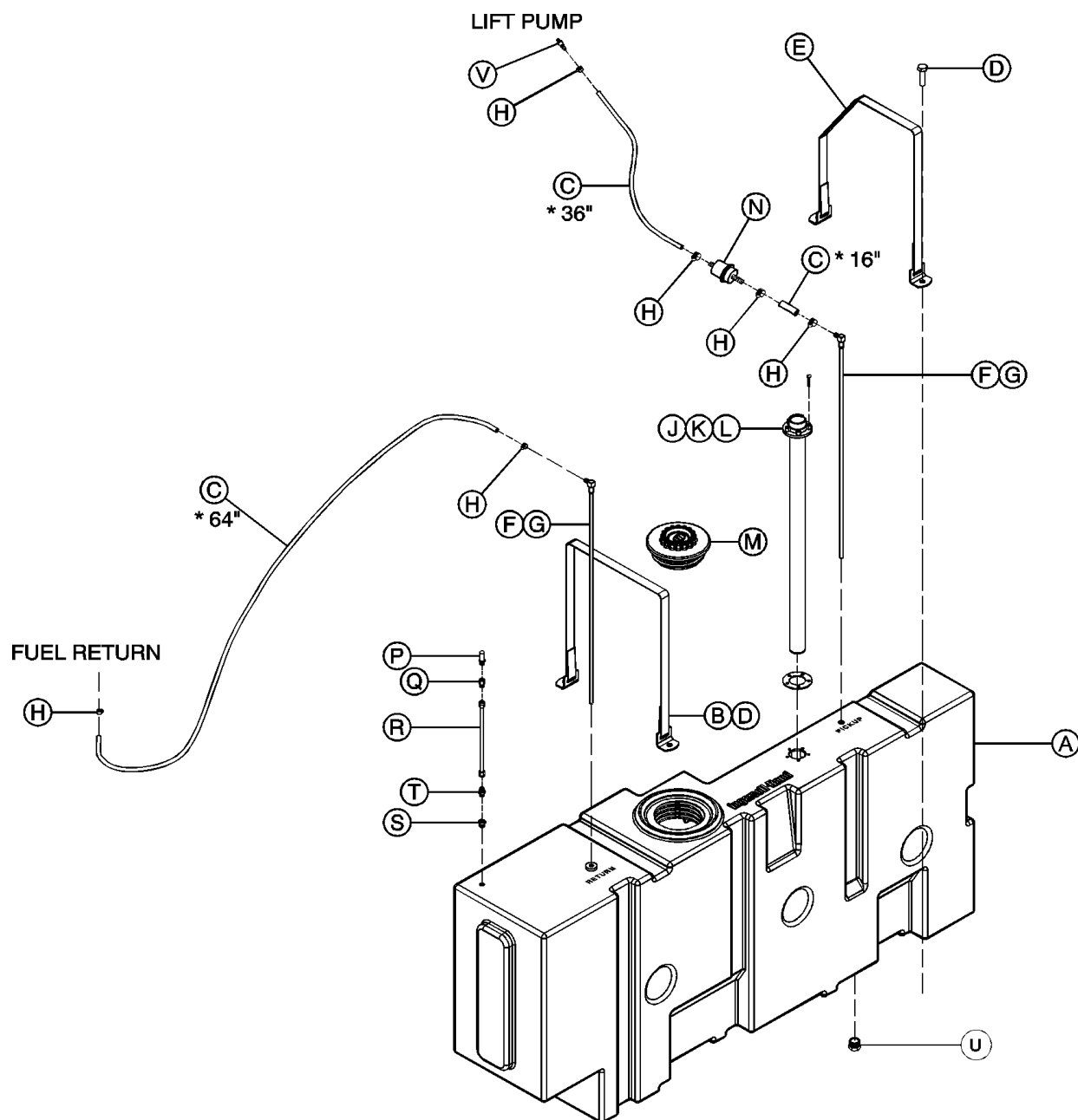
# SERVICE AIR COMPLETE



22592075\_24\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                        | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------------|-----|------------------|
| K    | 35209048  | CLAMP, SADDLE                      | 1   |                  |
| L    | 54761648  | SUPPORT, SERVICE PIPE              | 1   |                  |
| M    | 95953758  | NIPPLE, PIPE 1.25 NPT X 4.5        | 1   |                  |
| N    | 35612126  | VALVE, BALL 1.25 NPT               | 1   |                  |
| P    | 35310622  | PLUG, HOLE 2.0                     | 1   |                  |
| Q    | 35285543  | PLUG, HOLE 1.50                    | 2   |                  |
| R    | 36795680  | VALVE, BALL .75 NPT X 1.062-12 UNF | 1   |                  |
| S    | 95741088  | ADAPTER, FEMALE                    | 1   |                  |
| T    | 95928230  | PLUG, HEX COUNTERSINK 1/4 NPT      | 1   |                  |

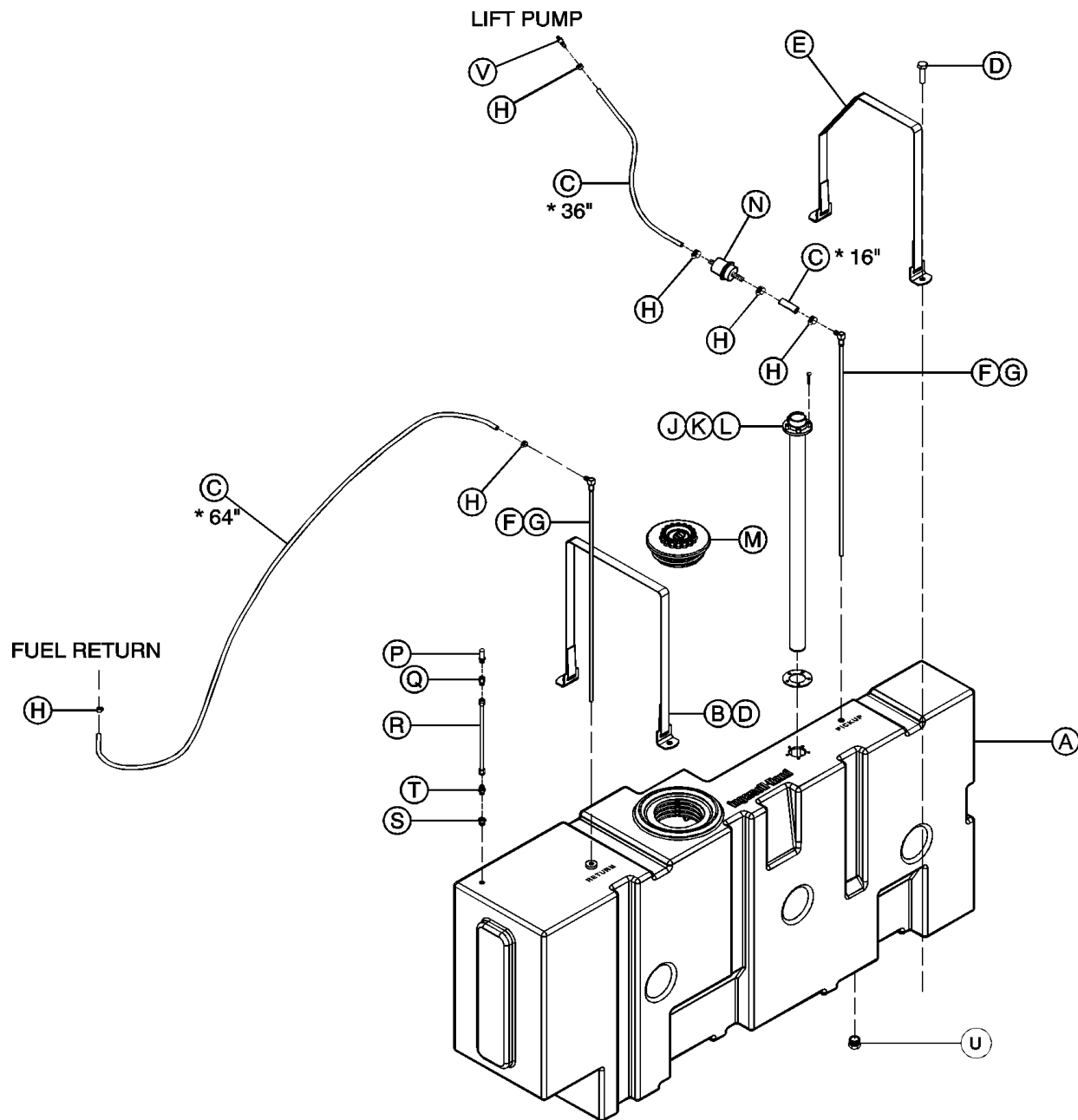
## FUEL TANK COMPLETE



22592075\_25\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| A    | 54633938  | TANK, FUEL                   | 1   | SEE LENGTH ABOVE |
| B    | 22519813  | STRAP, FUEL TANK             | 1   |                  |
| C    | 35363498  | HOSE, .31 FUEL               | *   |                  |
| D    | 35271170  | SCREW, TAPPING M08-1.25 X 40 | 4   |                  |
| E    | 22519821  | STRAP, FUEL TANK             | 1   |                  |
| F    | 54675863  | STANDPIPE ASSEMBLY           | 2   |                  |
| G    | 35384577  | BUSHING, NITRILE             | 2   |                  |
| H    | 35296342  | CLAMP, WORM GEAR             | 6   |                  |
| J    | 54731427  | SENDER, FUEL LEVEL           | 1   |                  |
| K    | 35361849  | GASKET, FUEL SENDER          | 1   |                  |

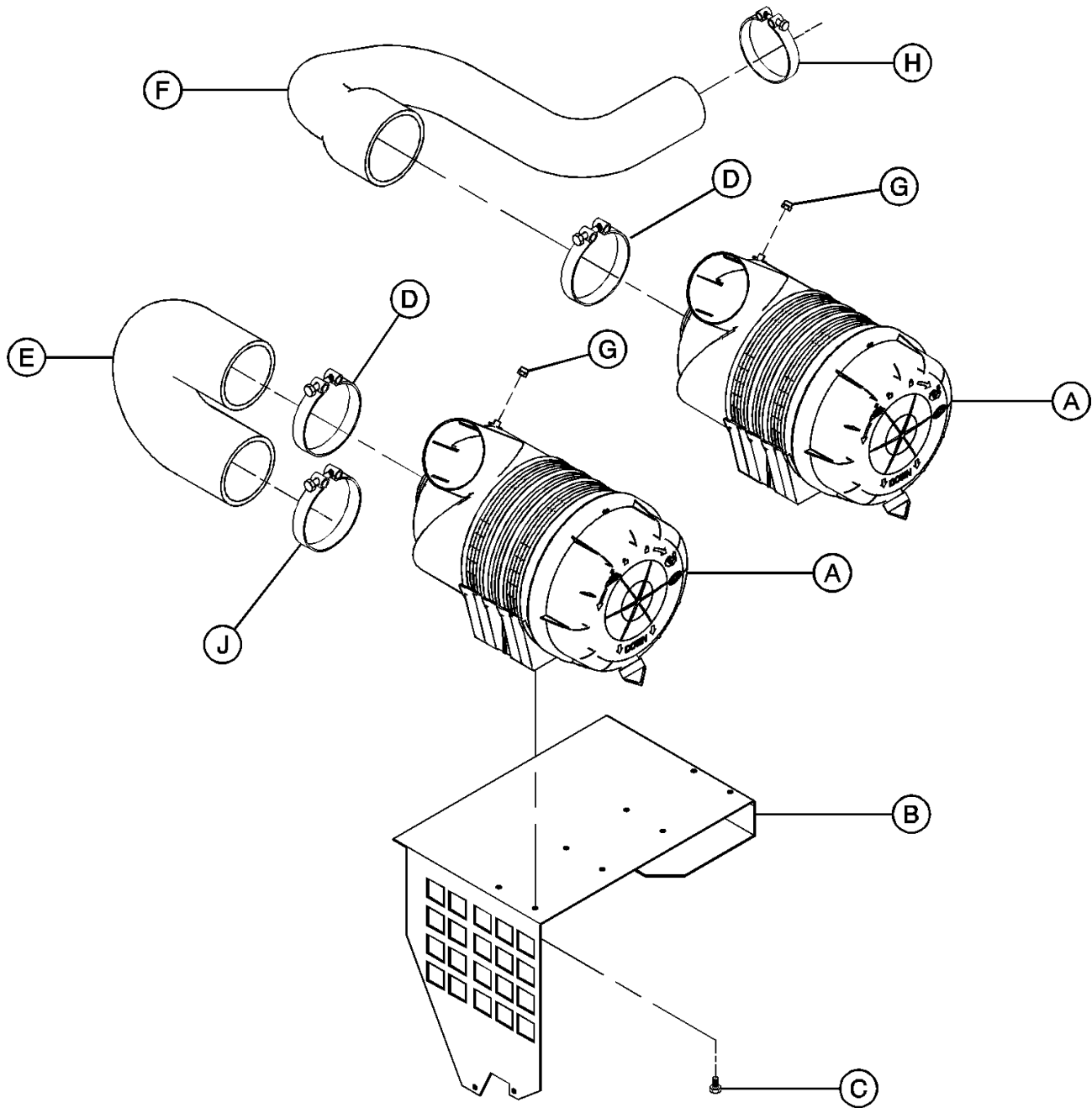
## FUEL TANK COMPLETE



22592075\_25\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                          | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------------|-----|------------------|
| L    | 95916532  | SCREW, FILLISTER HEAD 10-32 X .50    | 5   |                  |
| M    | 54660089  | CAP, FUEL                            | 1   |                  |
| N    | 22460158  | FILTER, FUEL                         | 1   |                  |
| P    | 35322395  | SILENCER, PNEUMATIC 1/4 NPT          | 1   |                  |
| Q    | 35369339  | CONNECTOR, FEMALE 1/4 NPT X 3/8 TUBE | 1   |                  |
| R    | 35356484  | TUBING, 3/8 SYNPLEX                  | 8.5 |                  |
| S    | 95940748  | BUSHING, REDUCING 3/8 NPT X 1/4      | 1   |                  |
| T    | 35369347  | CONNECTOR, MALE 1/4 NPT X 3/8 TUBE   | 1   |                  |
| U    | 95280541  | PLUG, HEX 1.06-16 SAE                | 1   |                  |
| V    | 35378538  | ELBOW, BARBED                        | 2   |                  |

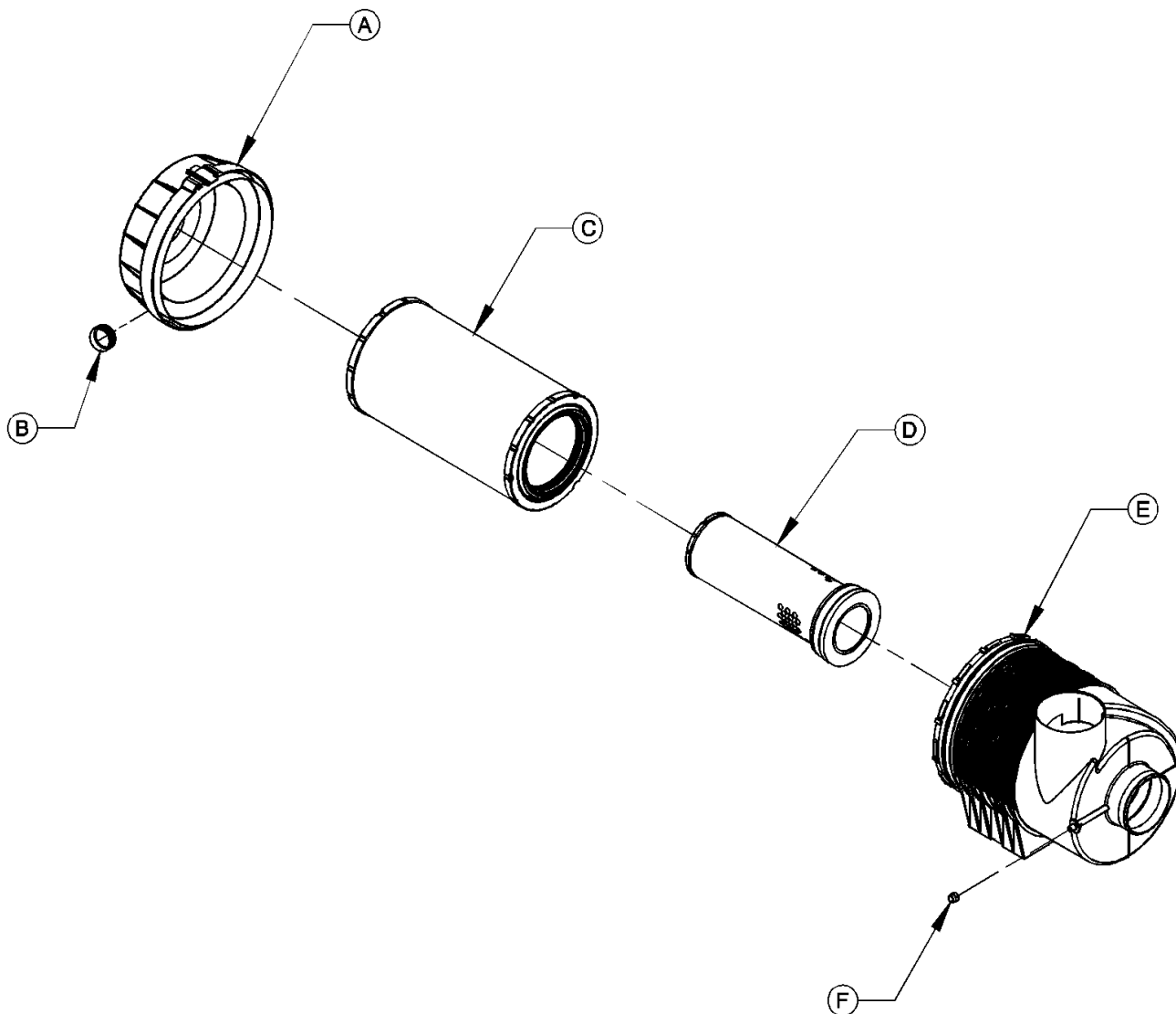
## AIR INTAKE COMPLETE



22592075\_26\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------|-----|------------------|
| A    | 54661889  | AIR CLEANER ASSEMBLY     | 2   |                  |
| B    | 22522049  | SUPPORT, AIR CLEANER     | 1   |                  |
| C    | 96702048  | SCREW, HEX M08-1.25 X 16 | 8   |                  |
| D    | 22067714  | CLAMP, T-BOLT            | 2   |                  |
| E    | 54756044  | HOSE, A/E AIR INTAKE     | 1   |                  |
| F    | 22483234  | HOSE, ENGINE AIR INTAKE  | 1   |                  |
| G    | 35314939  | INDICATOR, RESTRICTION   | 2   |                  |
| H    | 35374073  | CLAMP, T-BOLT            | 1   |                  |
| J    | 36897668  | CLAMP, T-BOLT            | 1   |                  |

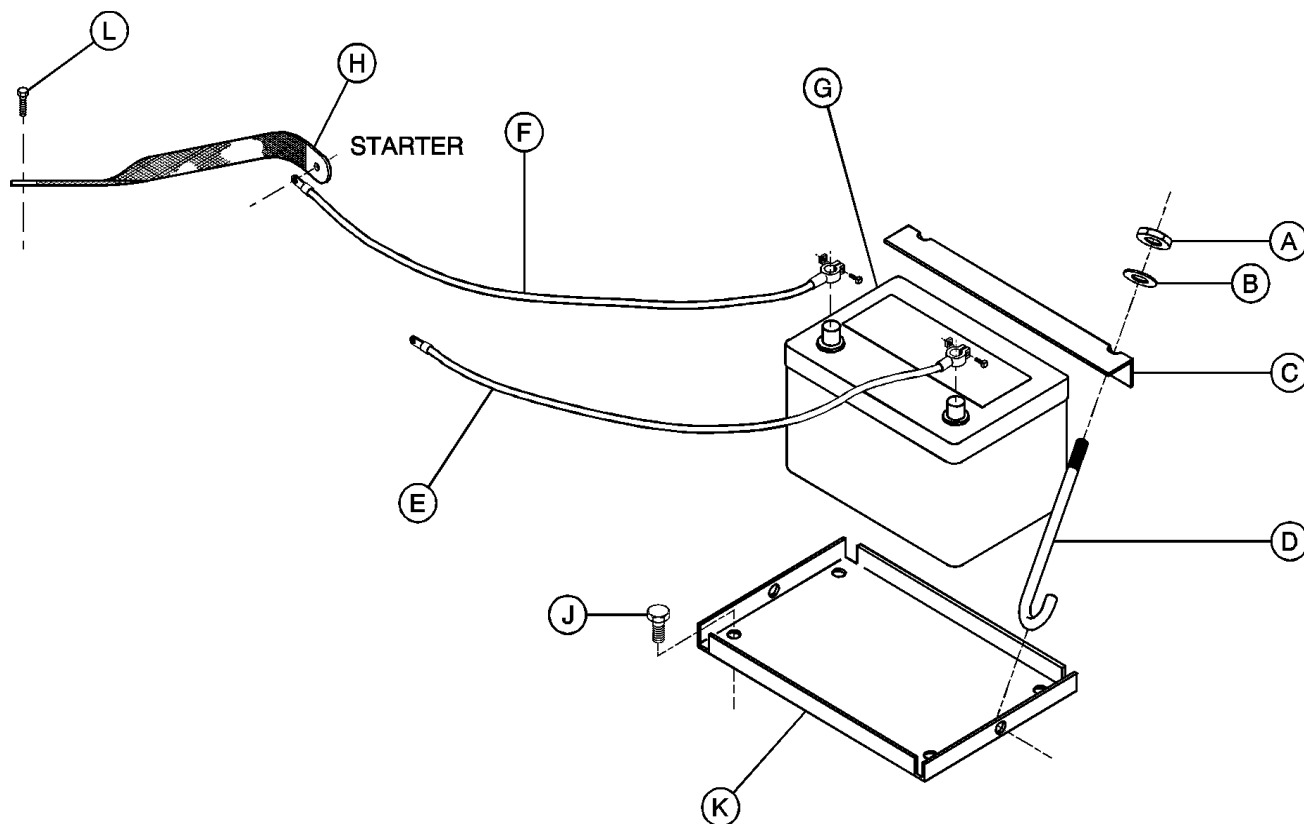
## AIR CLEANER ASSEMBLY



22592075\_27\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION         | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------|-----|------------------|
| A    | 54692975  | COVER, AIR CLEANER  | 1   |                  |
| B    | 35393677  | VALVE, DUST EJECTOR | 1   |                  |
| C    | 54717145  | ELEMENT, PRIMARY    | 1   |                  |
| D    | 54717152  | ELEMENT, SAFETY     | 1   |                  |
| E    | 54692967  | BODY, AIR CLEANER   | 1   |                  |
| F    | 35393719  | CAP, PLUG           | 1   |                  |

## BATTERY ASSEMBLY

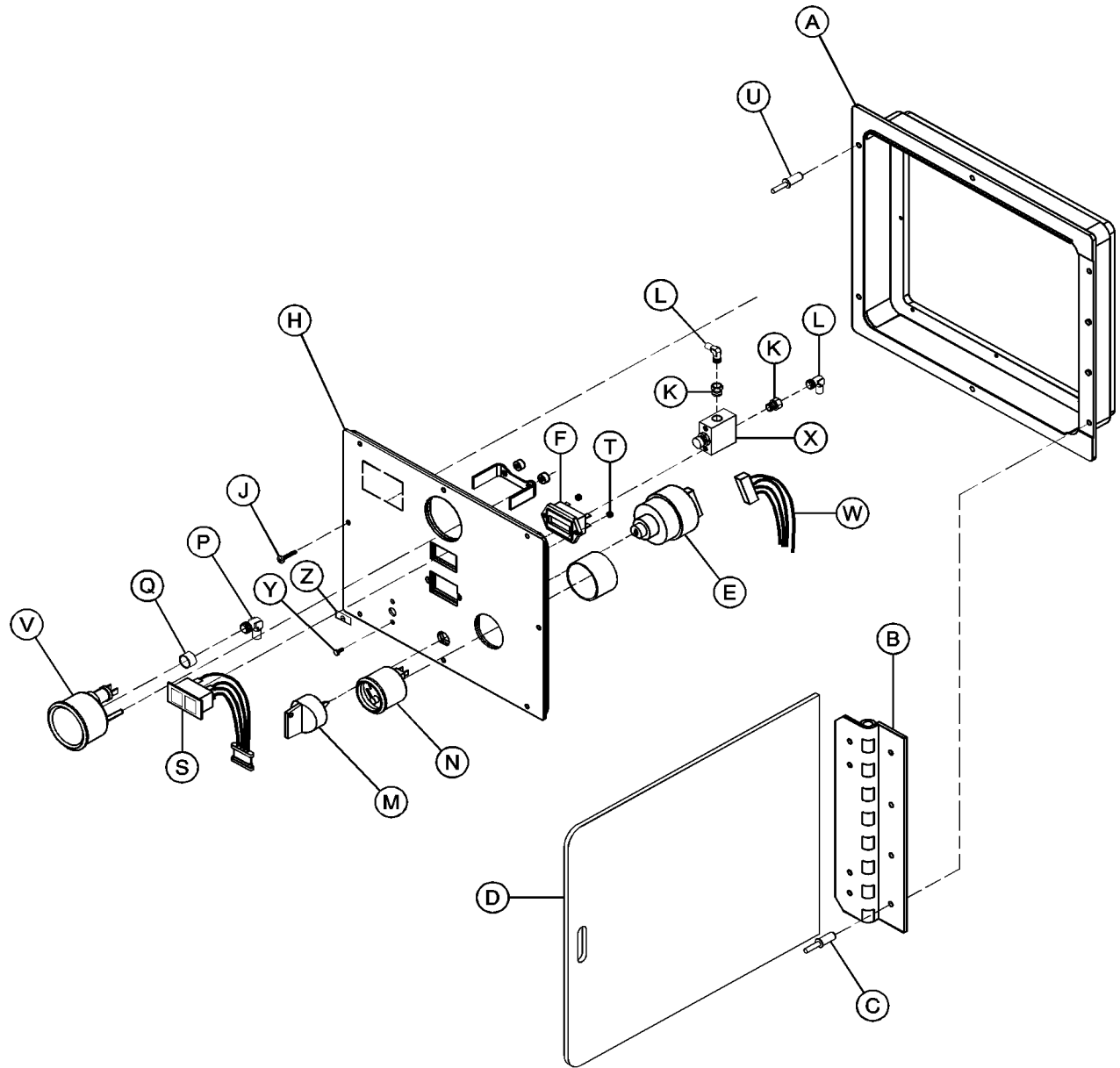


22592075\_28\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| A    | 95923298  | NUT, HEX LOCK 1/4-20         | 2   |                  |
| B    | 36853265  | WASHER, PLASTIC 1/4          | 2   |                  |
| C    | 36853257  | HOLD DOWN, BATTERY           | 1   |                  |
| D    | 36860005  | J-BOLT, 1/4-20               | 2   |                  |
| E    | 35603026  | CABLE, POSITIVE BATTERY      | 1   |                  |
| F    | 35610856  | CABLE, NEGATIVE BATTERY      | 1   |                  |
| G    | 36844975  | BATTERY, 12V                 | 1   |                  |
| H    | 54388483  | STRAP, GROUND 20"            | 1   |                  |
| J    | 92368687  | SCREW, HEX M06-1.0 X 14      | 4   |                  |
| K    | 36853232  | TRAY, BATTERY                | 1   |                  |
| L    | 35130293  | SCREW, TAPPING 3/8-16 X 3/4" | 1   |                  |



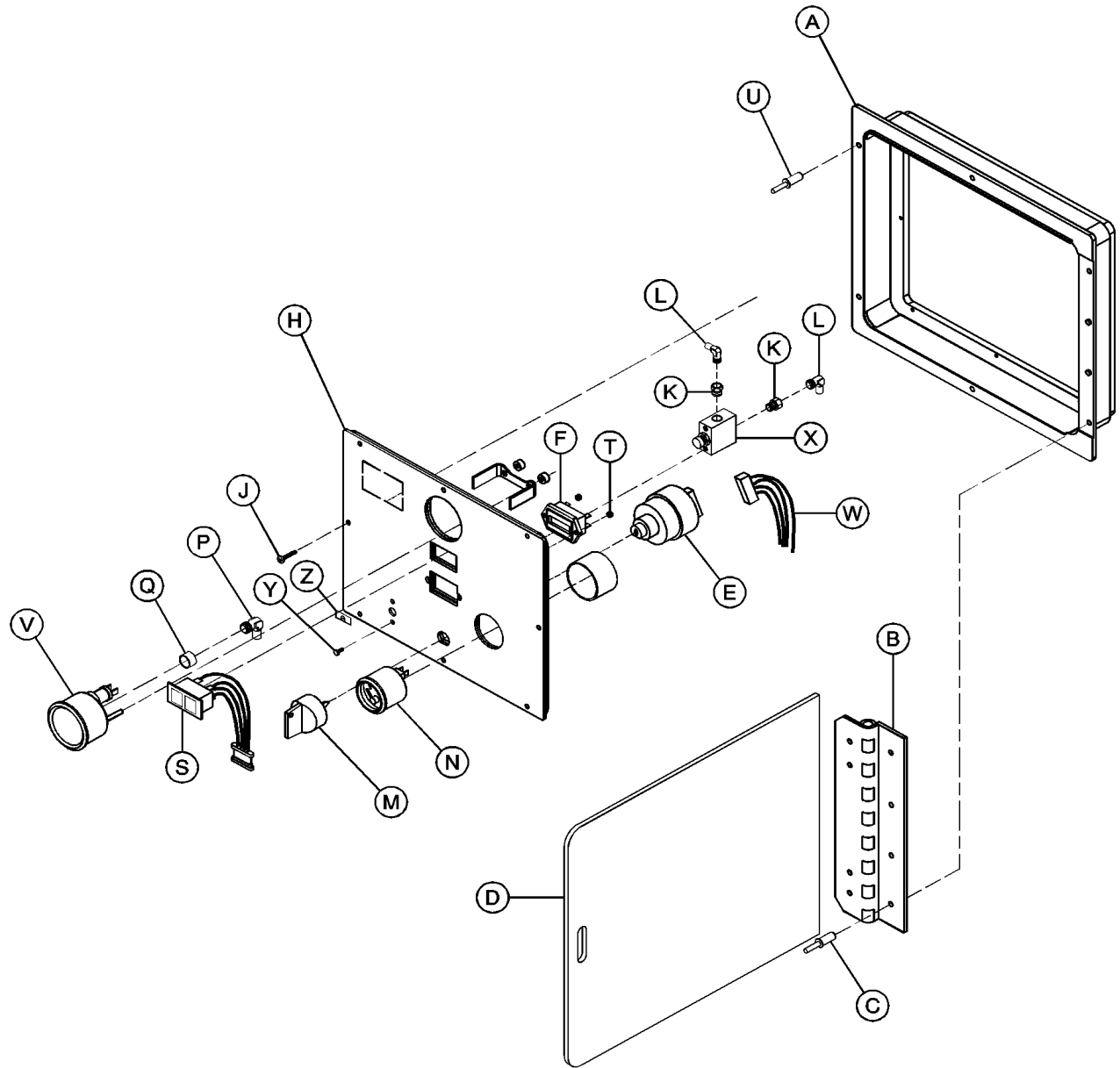
## INSTRUMENT / CONTROL PANEL



22592075\_29\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| A    | 54749601  | FRAME, WW INST PANEL           | 1   |                  |
| B    | 22107478  | HINGE, SPRING CONT PNL         | 1   |                  |
| C    | 36877587  | RIVET, .19 DIA                 | 4   |                  |
| D    | 54743265  | DOOR, CONTROL PANEL            | 1   |                  |
| E    | 22127385  | SWITCH, KEY                    | 1   |                  |
| F    | 22054175  | HOURLMETER                     | 1   |                  |
| G    | 22171680  | PANEL, INSTRUMENT              | 1   |                  |
| H    | 22171698  | DECAL, WW INST PANEL           | 1   |                  |
| J    | 22070494  | SCREW, PLASTIC TAPPING         | 8   |                  |
| K    | 35302314  | ADAPTER                        | 2   |                  |
| L    | 35369354  | ELBOW, MALE 1/4 NPT X 3/8 TUBE | 2   |                  |
| M    | 22134118  | KNOB, NON-REMOVABLE KEY        | 1   |                  |

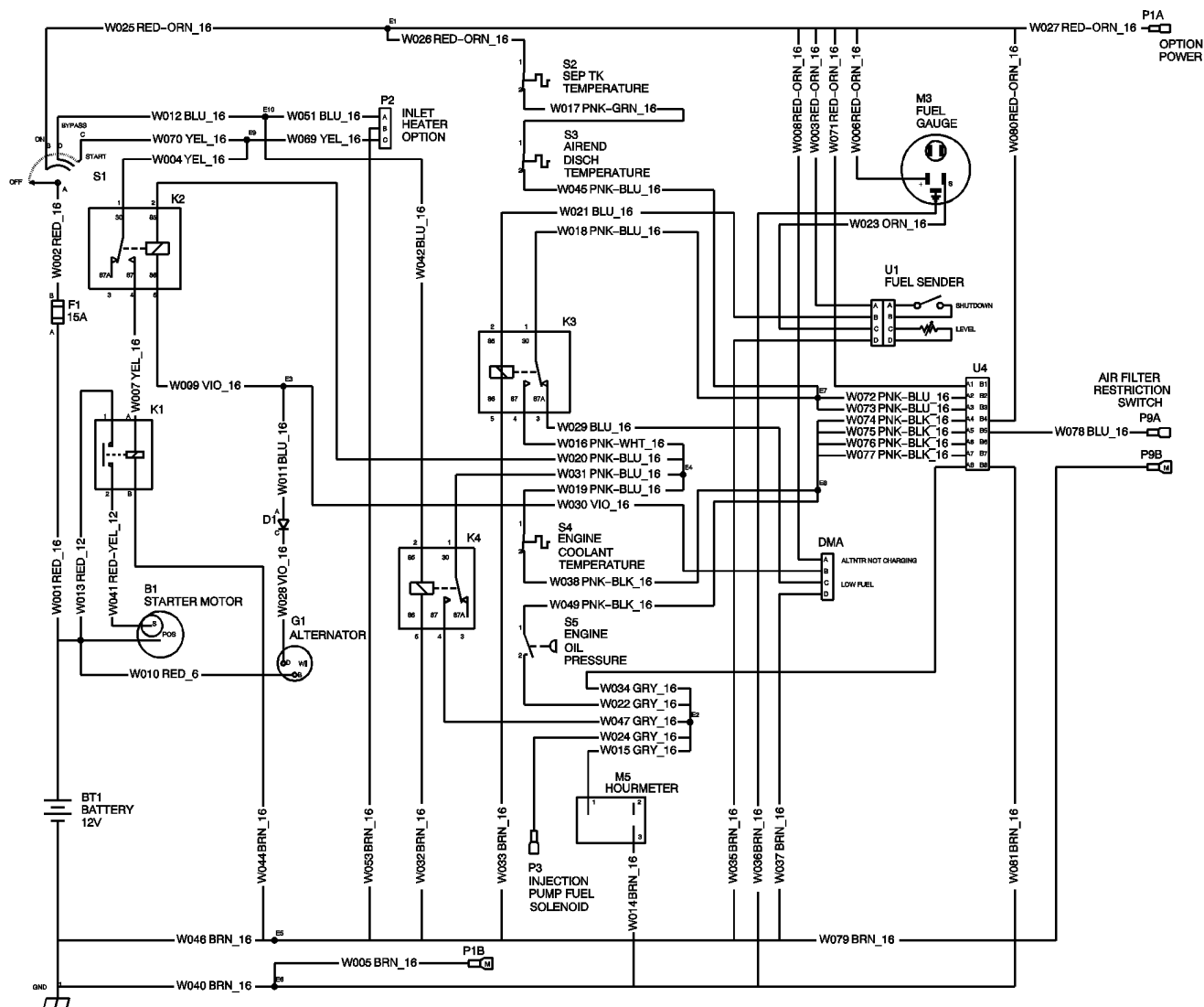
## INSTRUMENT / CONTROL PANEL



22592075\_29\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| N    | 54774096  | GAUGE, FUEL LEVEL              | 1   |                  |
| P    | 35370386  | ELBOW, MALE 1/8 NPT X 3/8 TUBE | 1   |                  |
| Q    | 95935599  | COUPLING, 1/8 NPT X 3/4        | 1   |                  |
| R    | 36891216  | GAUGE, PRESSURE 250 PSI        | 1   |                  |
| S    | 54774112  | MODULE, 2-LIGHT WARNING        | 1   |                  |
| T    | 22054159  | NUT, 4-40 PLASTIC              | 2   |                  |
| U    | 36920486  | RIVET, SS .19 DIA              | 4   |                  |
| V    | 22137418  | LAMP, 14V                      | 1   |                  |
| W    | 22205223  | HARNESS, WIRING JUMPER         | 1   |                  |
| X    | 36783439  | VALVE, 2WAY START/RUN          | 1   |                  |
| Y    | 22090898  | SCREW, PAN HEAD M06-1.0 X 16   | 2   |                  |
| Z    | 54774146  | DECAL, PUSH AFTER WARMUP       | 1   |                  |

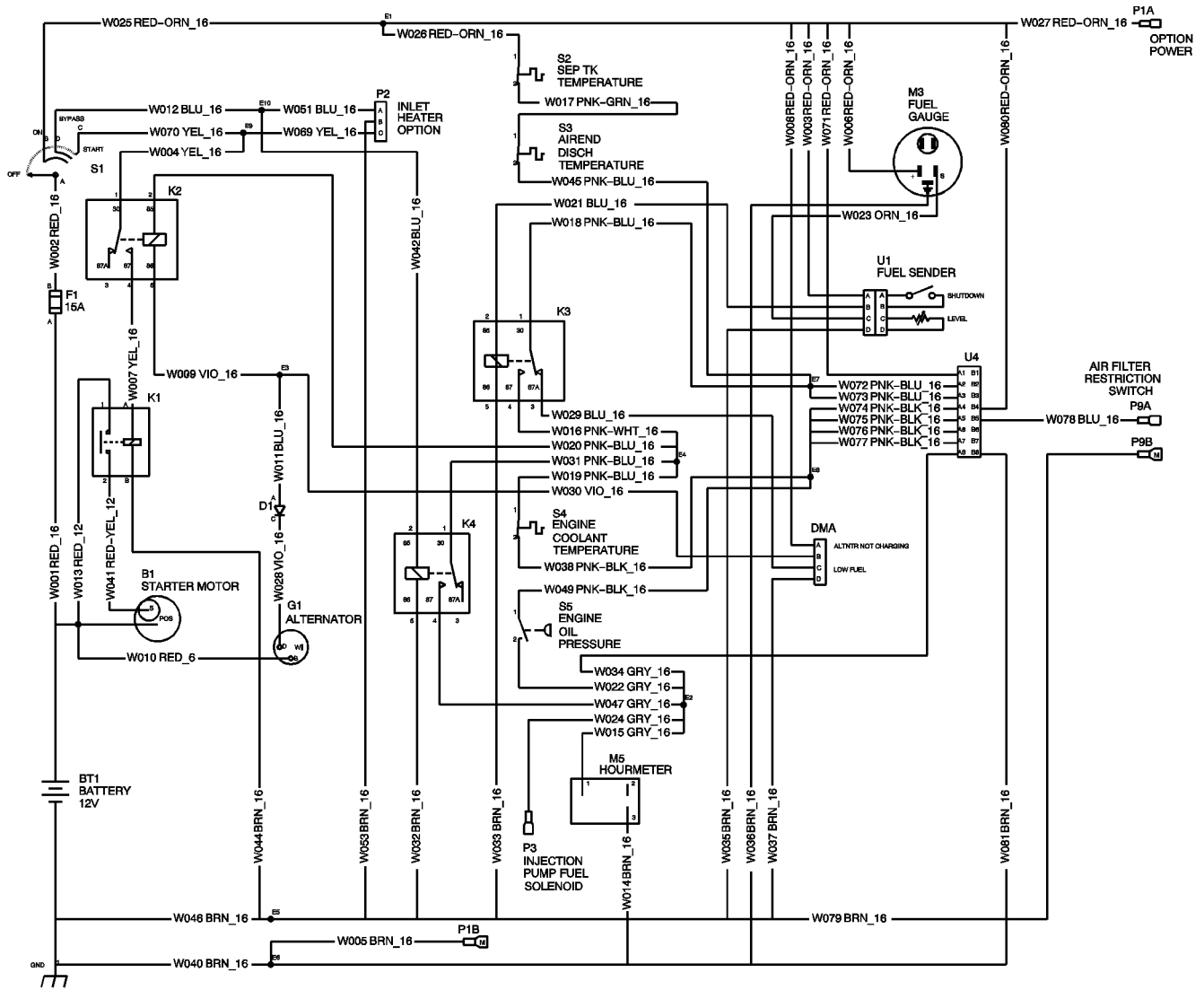
## WIRING DIAGRAM



22592075\_30\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION       | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------|-----|------------------|
| B1   | 22656367  | STARTER           | 1   |                  |
| BT1  | 36844975  | BATTERY, 12V      | 1   |                  |
| F1   | 36782464  | FUSE, 15 A        | 1   |                  |
| D1   | 35676169  | DIODE             | 1   |                  |
| DMA  | 54774112  | DIAGNOSTIC MODULE | 1   |                  |
| G1   | 22656417  | ALTERNATOR        | 1   |                  |
| K1   | 36856250  | RELAY             | 1   |                  |
| K2   | 36878361  | RELAY             | 1   |                  |
| K3   | 36878361  | RELAY             | 1   |                  |
| K4   | 36878361  | RELAY             | 1   |                  |

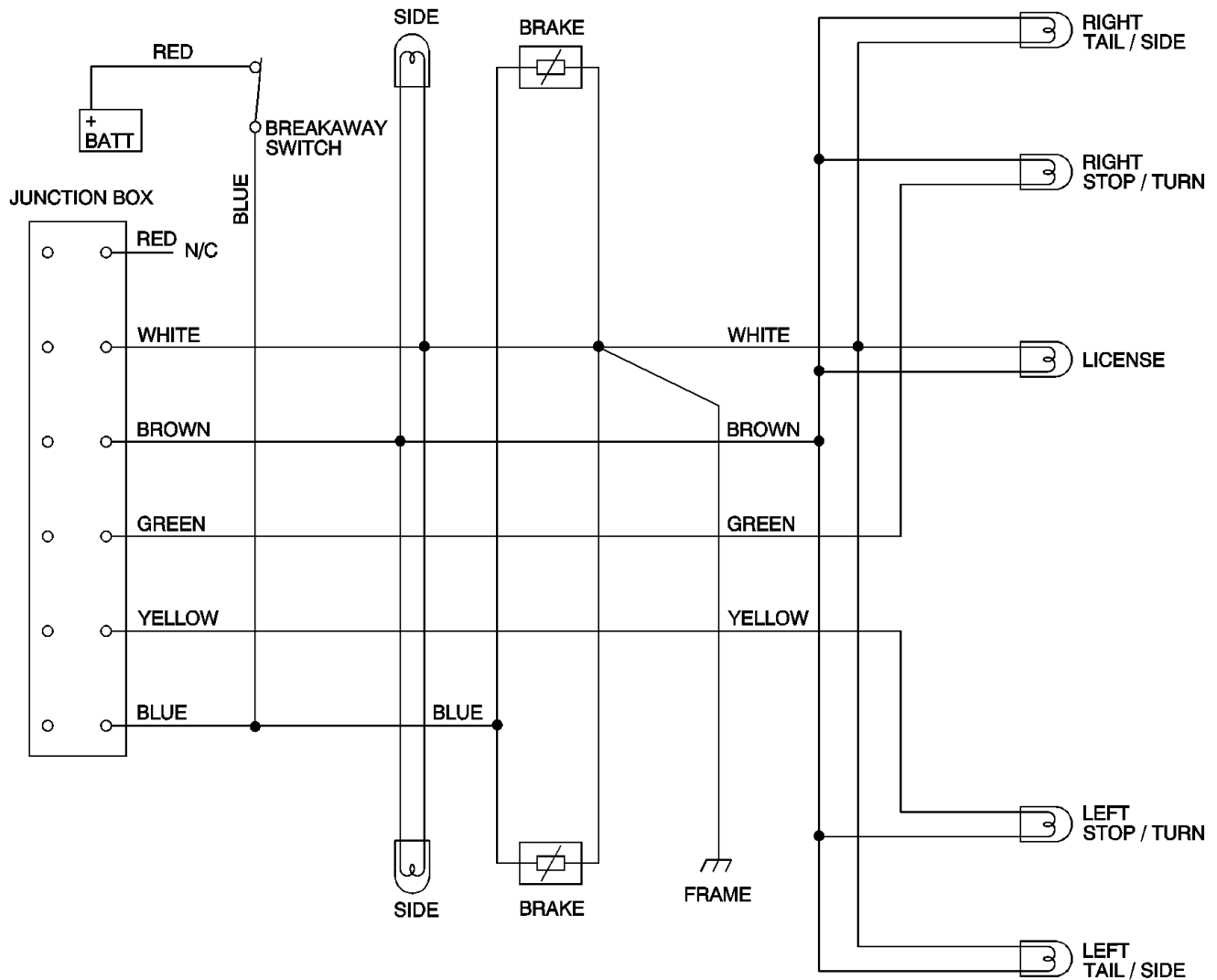
# WIRING DIAGRAM



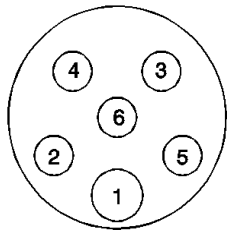
22592075\_30\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                          | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------------|-----|------------------|
| M3   | 54774096  | GAUGE, FUEL                          | 1   |                  |
| M5   | 22054175  | HOURLMETER                           | 1   |                  |
| S1   | 22127385  | SWITCH, KEY                          | 1   |                  |
| S2   | 35590983  | SWITCH, A/E DISCHARGE TEMPERATURE    | 1   |                  |
| S3   | 36865756  | SWITCH, SEP TK DISCHARGE TEMPERATURE | 1   |                  |
| S4   | 36880706  | SWITCH, ENGINE TEMPERATURE           | 1   |                  |
| S5   | 54757935  | SWITCH, ENGINE OIL PRESSURE          | 1   |                  |
| U1   | 54731427  | SENDER, FUEL LEVEL                   | 1   |                  |
| W1   | 22538722  | HARNESS, ENGINE CONTROL              | 1   |                  |
|      | 22134118  | KNOB ASSEMBLY, KEY                   |     |                  |

## TAIL LIGHT WIRING DIAGRAM



### PLUG / SOCKET WIRING CONNECTIONS

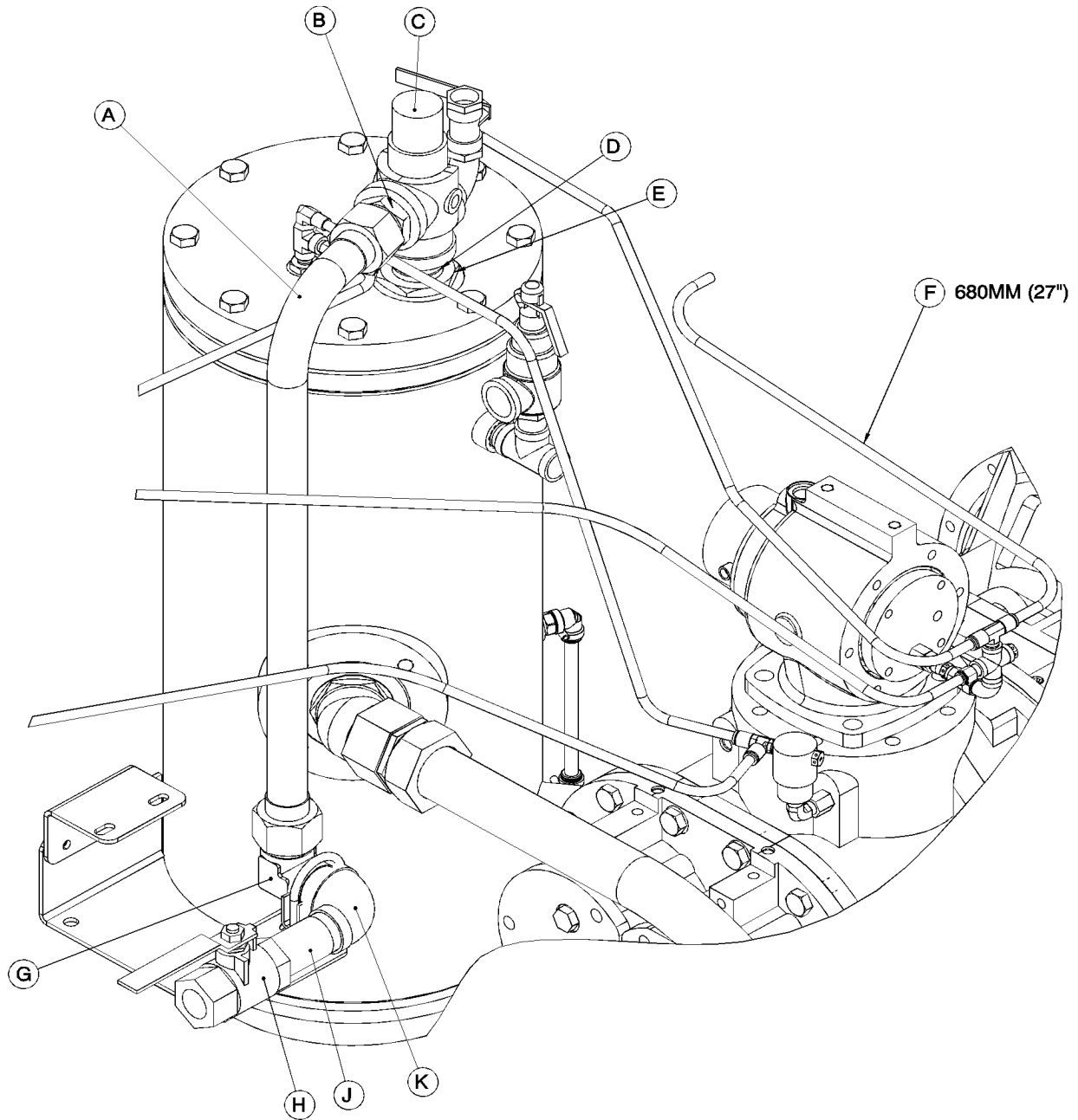


- 1 WHITE - GROUND
- 2 YELLOW - LEFT STOP/TURN SIGNAL
- 3
- 4 GREEN - RIGHT STOP/TURN SIGNAL
- 5 BROWN - TAIL / CLEARANCE LIGHTS
- 6 BLUE - ELECTRIC BRAKES

22592075\_31\_04/05\_A

| ITEM      | COMM. NO. | DESCRIPTION      | QTY | DIMENSIONS/NOTES |
|-----------|-----------|------------------|-----|------------------|
| BATT      | 36844975  | BATTERY          | 1   |                  |
| BREAKAWAY | 35315944  | BREAKAWAY SWITCH | 1   |                  |
| LICENSE   | 36895860  | LICENSE          | 1   |                  |
| SIDE      | 35367051  | SIDE             | 2   |                  |
| TAIL/STOP | 54671557  | TAIL / STOP      | 2   |                  |
|           | 54761101  | HARNESS, LIGHT   | 1   |                  |

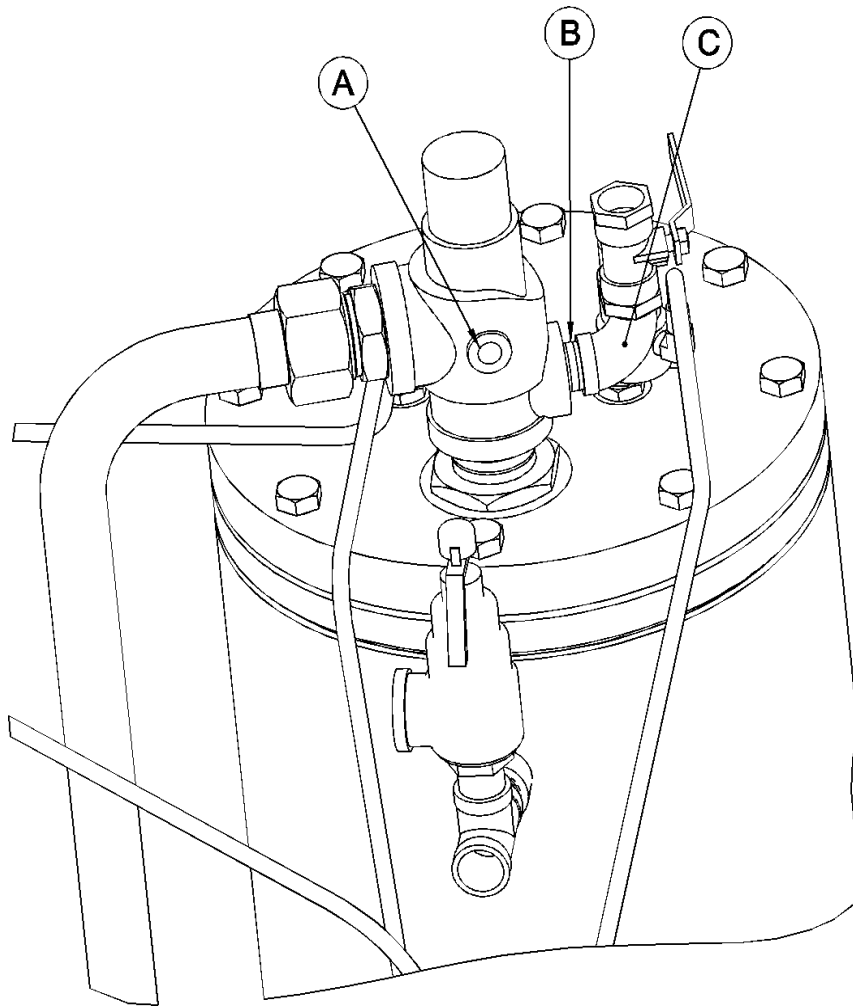
## AIR PIPING



22592075\_32\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES  |
|------|-----------|--------------------------------|-----|-------------------|
| A    | 54698675  | TUBE, SERVICE AIR              | 1   | SEE LENGTHS ABOVE |
| B    | 95208682  | ADAPTOR, 1-1/2NPT X 1-1/2 TUBE | 1   |                   |
| C    | 22146641  | VALVE, MINIMUM PRESSURE        | 1   |                   |
| D    | 95242996  | NIPPLE, 1.50 X 2.0             | 1   |                   |
| E    | 95741088  | ADAPTOR, FEMALE                | 1   |                   |
| F    | 35356484  | TUBING, .38 OD SYNIFLEX        | *   |                   |
| G    | 95279477  | ELBOW, 1.5 NPT X -24 JIC       | 1   |                   |
| H    | 35612126  | VALVE, BALL 1.25 NPT           | 1   |                   |
| J    | 95953758  | NIPPLE, 1.25 X 4.50            | 1   |                   |
| K    | 95928024  | ELBOW, REDUCING 1.50 X 1.25    | 1   |                   |

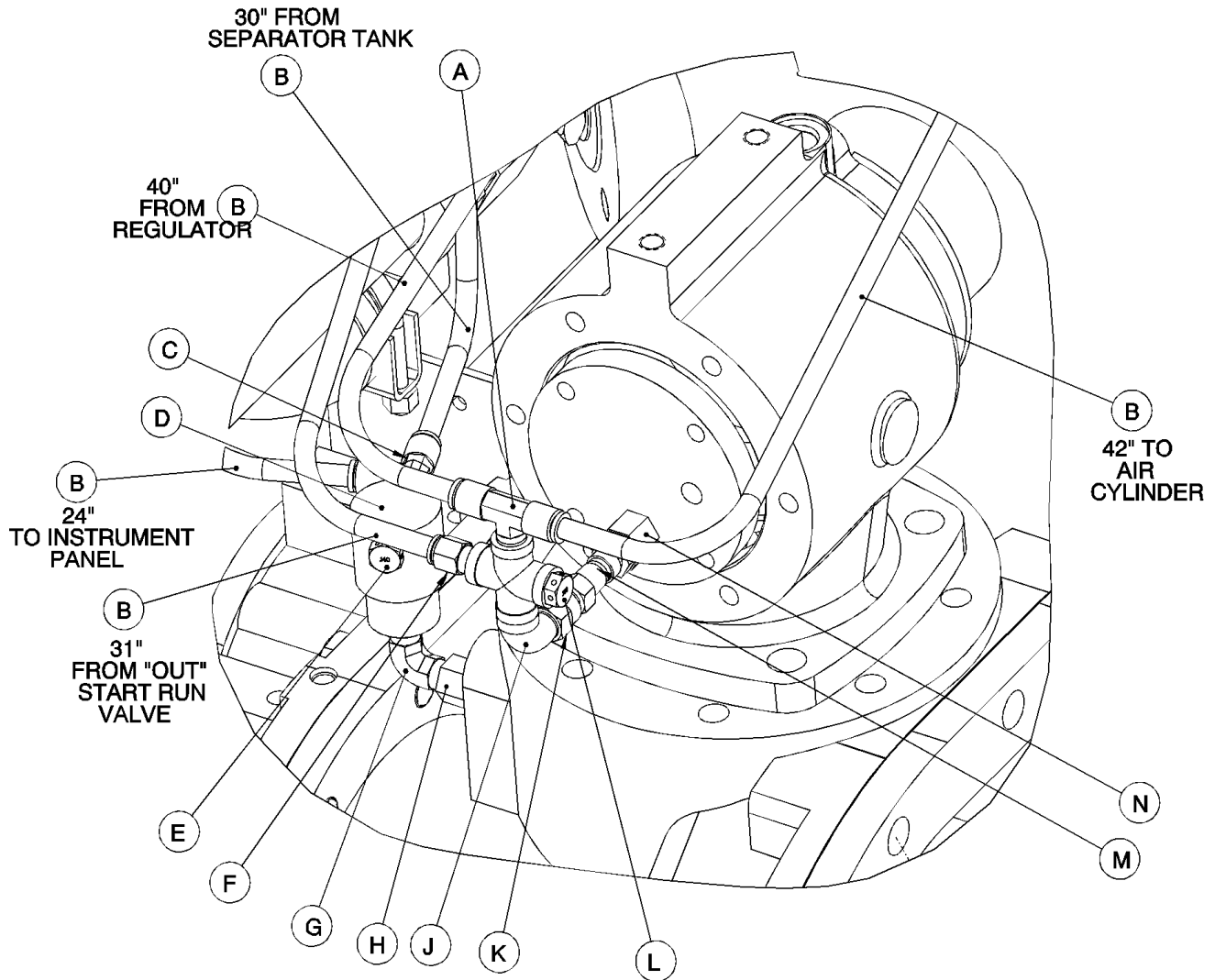
## AIR PIPING



22592075\_33\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION               | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------|-----|------------------|
| A    | 95928230  | PLUG, HEX CT SK 1/4 NPT   | 1   |                  |
| B    | 95928040  | NIPPLE, CLOSE 3/4 NPT     | 1   |                  |
| C    | 95928172  | ELBOW, STREET 90o 3/4 NPT | 1   |                  |

## AIR PIPING

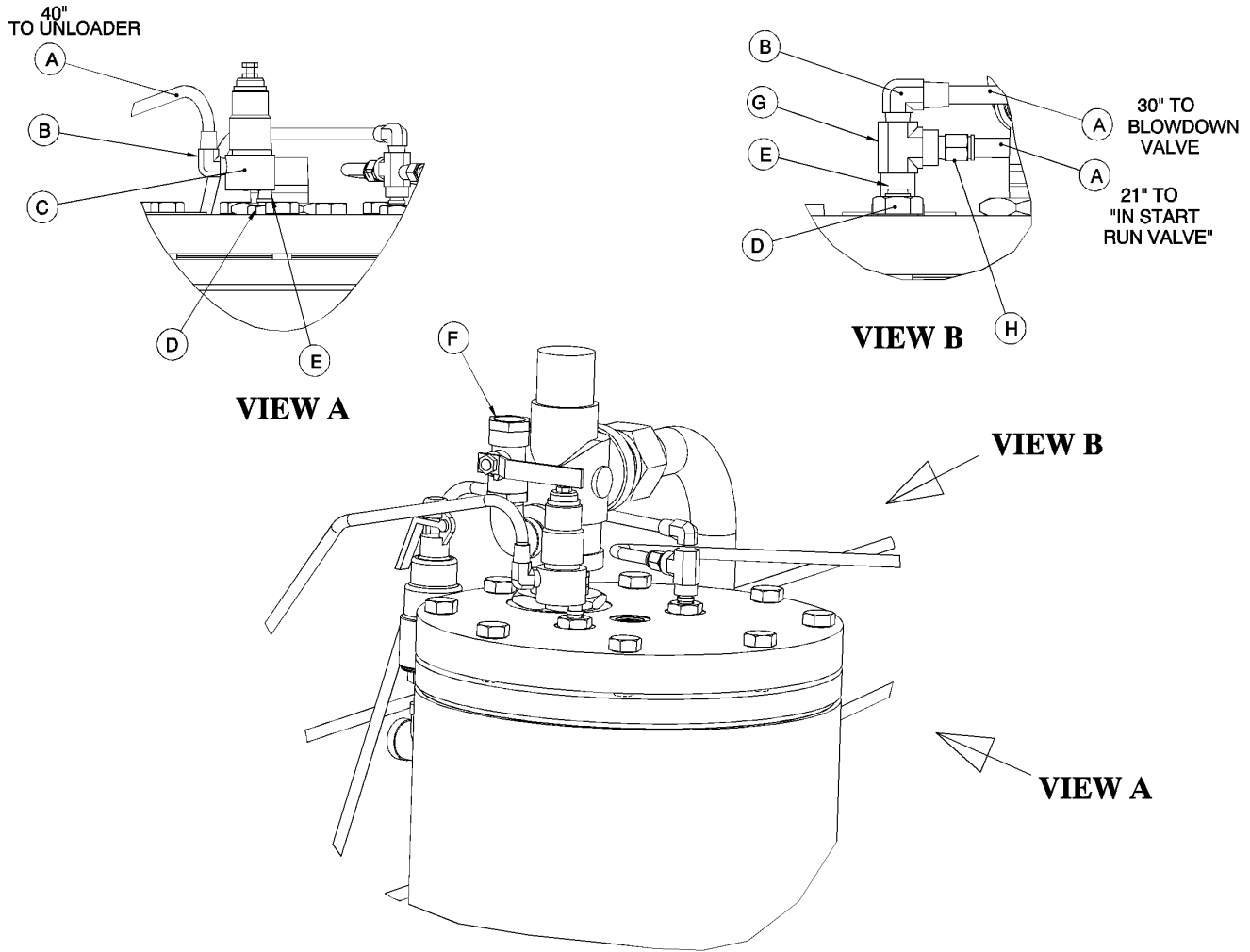


22592075\_34\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                        | QTY | DIMENSIONS/NOTES  |
|------|-----------|------------------------------------|-----|-------------------|
| A    | 35373976  | TEE, 1/4 NPT 3/8 TUBE              | 1   | SEE LENGHTS ABOVE |
| B    | 35356484  | TUBING, .38 OD SYNPLEX             | *   |                   |
| C    | 35369503  | TEE, MALE RUN 1/4 NPT X 3/8 TUBE   | 1   |                   |
| D    | 35322379  | VALVE, BLOWDOWN                    | 1   |                   |
| E    | 36766756  | MUFFLER, ORIFICE .140              | 1   |                   |
| F    | 35369347  | CONNECTOR, MALE 1/4 NPT X 3/8 TUBE | 1   |                   |
| G    | 95364469  | ELBOW, 1/4 NPT X 1/4 NPT           | 1   |                   |
| H    | 35302314  | ADAPTER                            | 1   |                   |
| J    | 95944666  | ELBOW, STREET 90o X 1/4 NPT        | 1   |                   |
| K    | 35367846  | CONNECTOR, 1/4NPT X -6 JIC         | 1   |                   |
| L    | 36766731  | MUFFLER, ORIFICE .156              | 1   |                   |
| M    | 36840460  | VALVE, RELEAF/CHECK .040           | 1   |                   |
| N    | 22528285  | ADAPTER 1/4 NPT X 9/16 NPT         | 1   |                   |



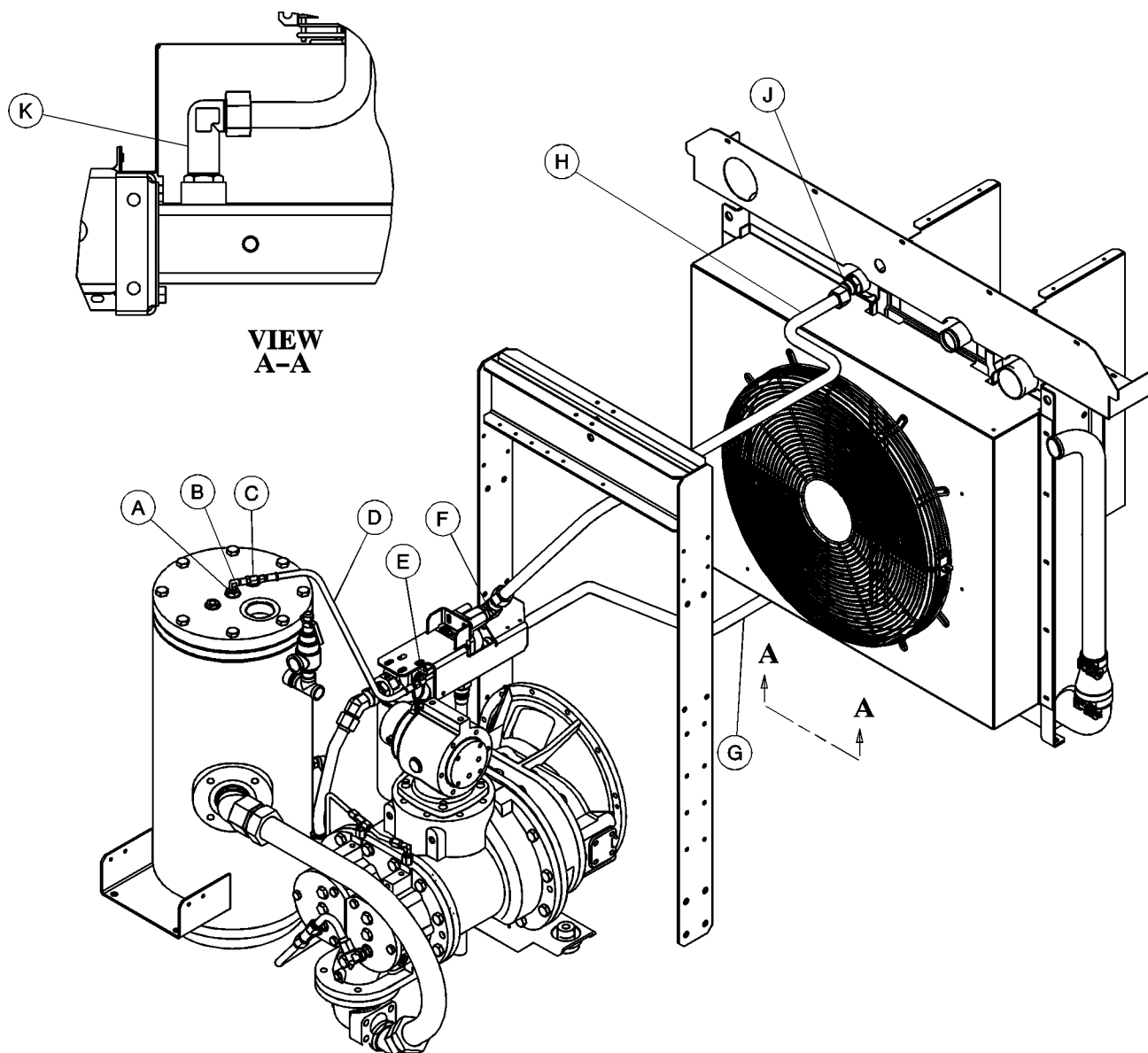
## AIR PIPING



22592075\_35\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                        | QTY | DIMENSIONS/NOTES  |
|------|-----------|------------------------------------|-----|-------------------|
| A    | 35356484  | TUBING, .38 OD SYNPLEX             | *   | SEE LENGHTS ABOVE |
| B    | 35369354  | ELBOW, MALE 1/4 NPT X 3/8 TUBE     | 2   |                   |
| C    | 36896892  | VALVE, PRESSURE REGULATOR 200 PSI  | 1   | HP375, XP375      |
|      | 36854149  | VALVE, PRESSURE REGULATOR 100 PSI  | 1   | P425              |
| D    | 95773032  | ADAPTOR, 7/8-14 X 1/4 NPT          | 2   |                   |
| E    | 95944575  | NIPPLE, CLOSE 1/4 NPT X .88"       | 2   |                   |
| F    | 35576115  | VALVE, BALL .75 NPT                | 1   |                   |
| G    | 35114545  | TEE, STREET 1/4 NPT                | 1   |                   |
| H    | 35369347  | CONNECTOR, MALE 1/4 NPT X 3/8 TUBE | 1   |                   |

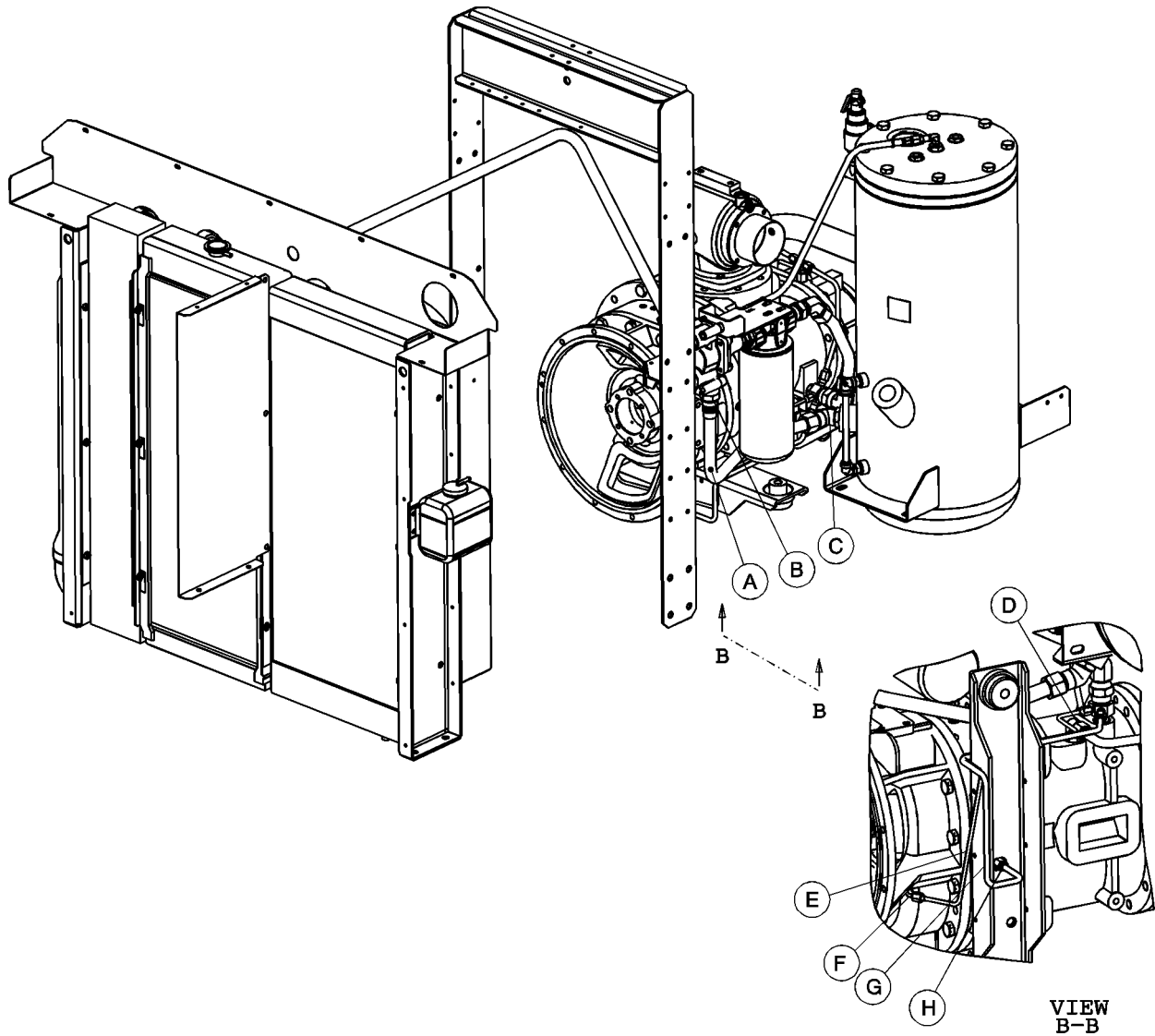
## OIL PIPING



22592075\_36\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                        | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------------|-----|------------------|
| A    | 54721337  | ADAPTOR, OIL SCAVENGE              | 1   |                  |
| B    | 95944666  | ELBOW, STREET 90o 1/4 NPT          | 1   |                  |
| C    | 36840411  | VALVE, CHECK                       | 1   |                  |
| D    | 35282920  | HOSE, SCAVENGE                     | 1   |                  |
| E    | 95365094  | ELBOW, 90° 9/16-18 X -4 JIC        | 1   |                  |
| F    | 95938171  | ELBOW, 90° 1.31-12 SAE             | 1   |                  |
| G    | 22482384  | TUBE ASSEMBLY, OIL COOLER-OTBV     | 1   |                  |
| H    | 54679998  | TUBE ASSEMBLY, TOP OIL COOLER-OTBV | 1   |                  |
| J    | 95955993  | CONNECTOR, 1.31-12 SAE X -16JIC    | 1   |                  |
| K    | 95992848  | ELBOW, 90° EXTRA LONG              | 1   |                  |

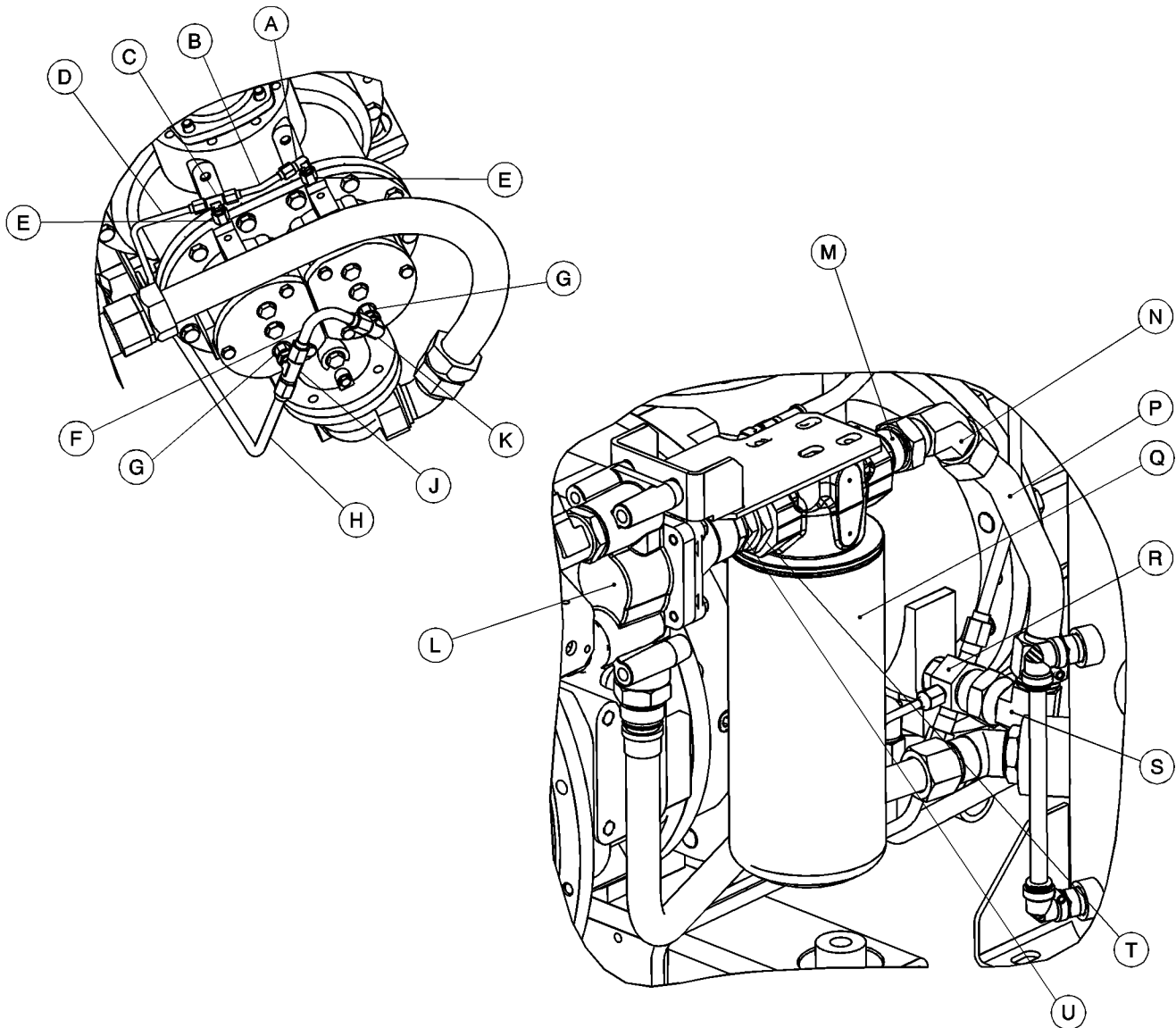
## OIL PIPING



22592075\_37\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| A    | 35231455  | HOSE, -16 JIC X 22.25"         | 1   |                  |
| B    | 95955993  | CONNECTOR, 1.31-12 X 1.31-12   | 1   |                  |
| C    | 35291384  | ELBOW, 90° 1.31-12 X -16JIC    | 1   |                  |
| D    | 35305622  | ELBOW, 90° 3/4-16 X -10 JIC    | 1   |                  |
| E    | 36846152  | TUBE, FRONT OIL SEAL           | 1   |                  |
| F    | 35279884  | ELBOW, 45° 7/16-20 X -4 JIC    | 1   |                  |
| G    | 36879013  | TUBE, FRONT BEARING OIL SUPPLY | 1   |                  |
| H    | 95402806  | ADAPTER, 7/16-20 X -6 JIC      | 1   |                  |

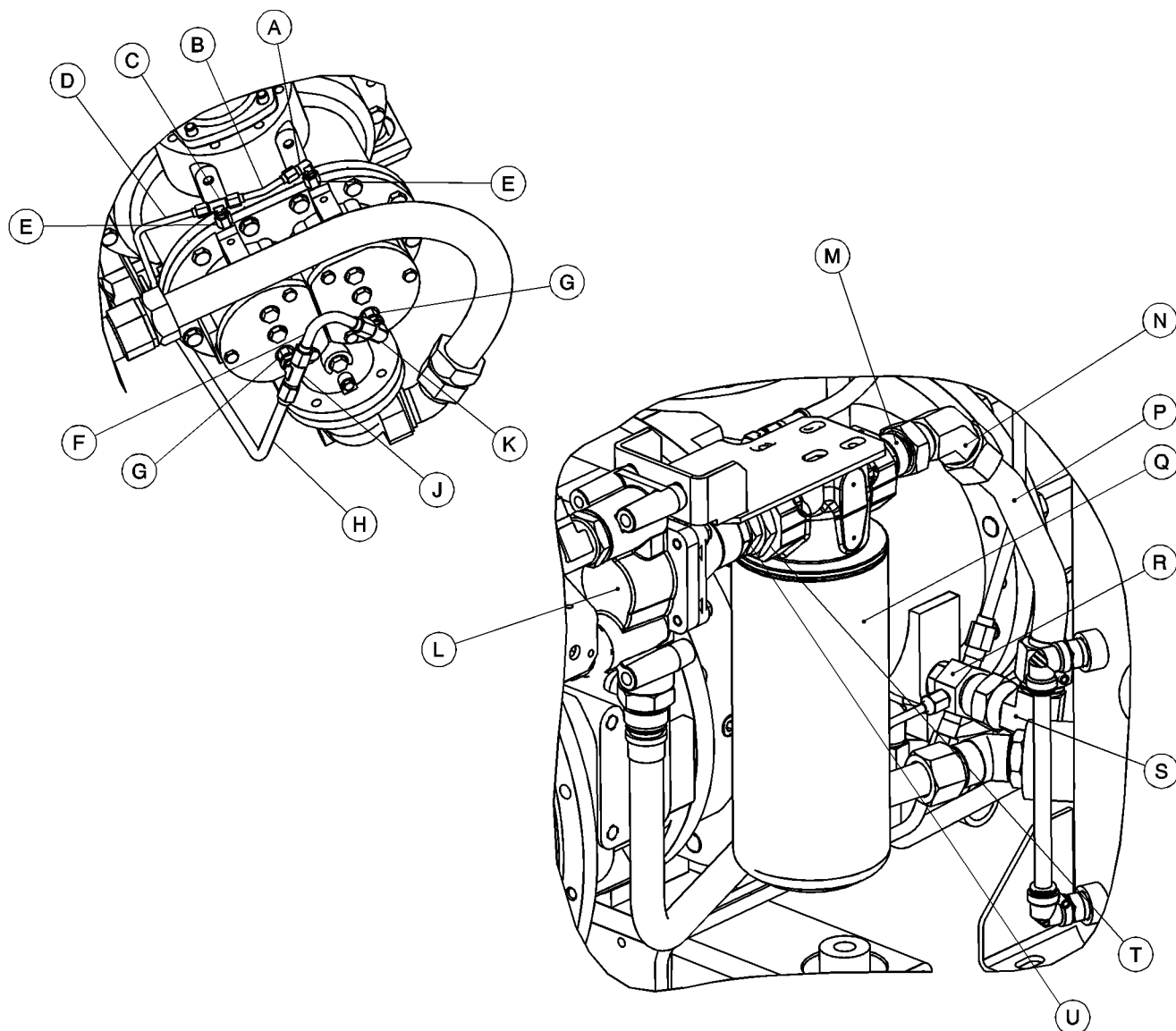
## OIL PIPING



22592075\_38\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| A    | 35279827  | ELBOW, 90° 9/16-18 X -6 JIC     | 1   |                  |
| B    | 36795482  | TUBE ASSEMBLY                   | 1   |                  |
| C    | 35279843  | TEE, 9/16-18 X -6 JIC           | 1   |                  |
| D    | 36846087  | TUBE, BEARING OIL SUPPLY        | 1   |                  |
| E    | 35287945  | EXPANDER, 7/16-20 X 9/16-18     | 2   |                  |
| F    | 36846111  | TUBE, MALE REAR SCAVENGE        | 1   |                  |
| G    | 36846095  | CONNECTOR, 3/4 O-RING X -10 JIC | 2   |                  |
| H    | 36846103  | TUBE, BEARING OIL SCAVENGE      | 1   |                  |
| J    | 36846129  | TEE, 7/8-14 X -10 JIC           | 1   |                  |
| K    | 35286491  | ELBOW, 90° 7/8-14 X -10 JIC     | 1   |                  |

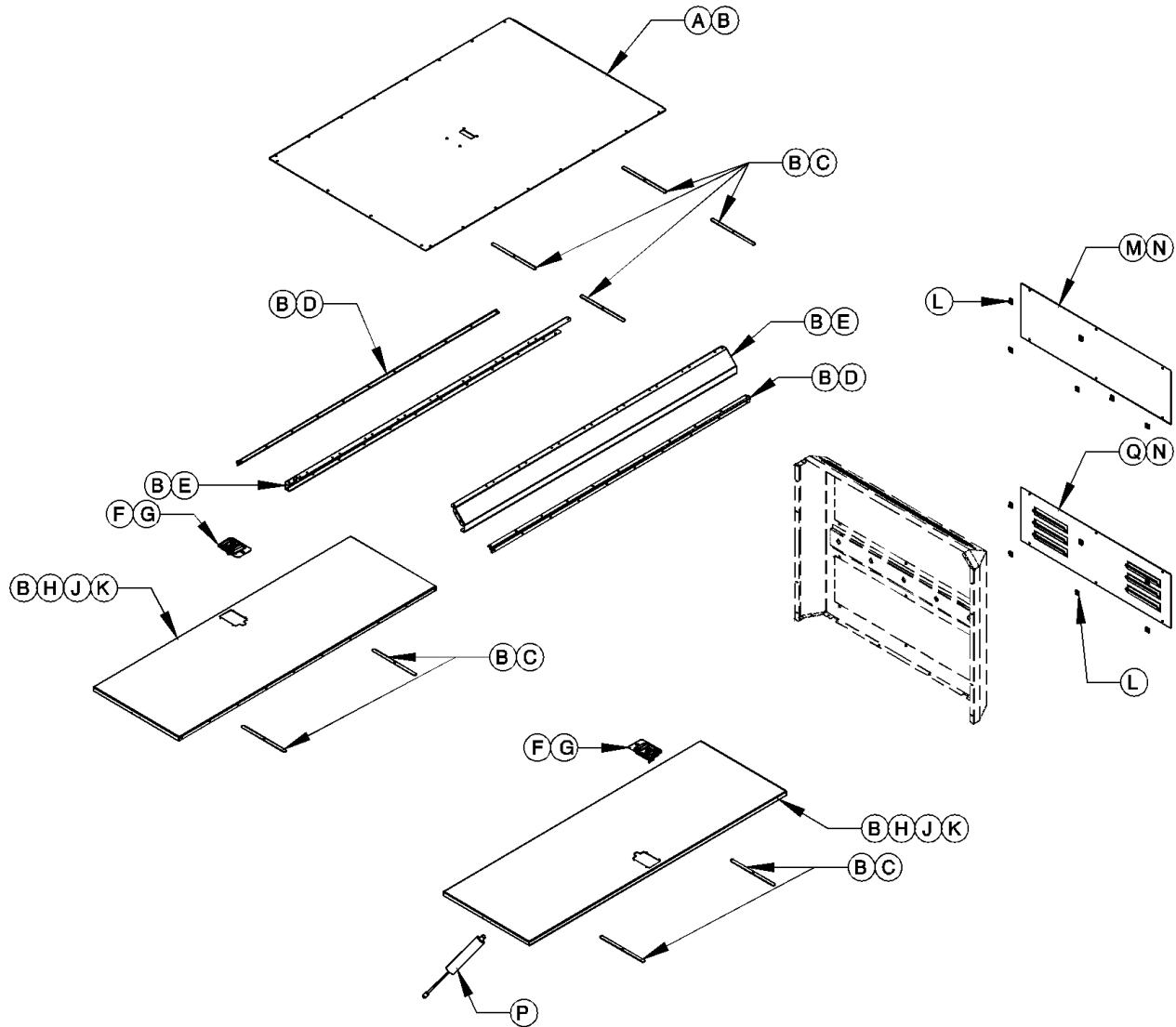
## OIL PIPING



22592075\_38\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                         | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------------|-----|------------------|
| L    | 54414420  | ASSEMBLY, OTBV 1-5/16" SAE          | 1   |                  |
| M    | 35292069  | CONNECTOR, 1.62-12 X -16 JIC        | 1   |                  |
| N    | 35307206  | ELBOW, 45° SWIVEL -16 JIC X 1" TUBE | 1   |                  |
| P    | 35324177  | HOSE ASSEMBLY, -16 JIC X 13"        | 1   |                  |
| Q    | 36897346  | ELEMENT, OIL FILTER                 | 1   |                  |
| R    | 36845154  | MANIFOLD, OIL                       | 1   |                  |
| S    | 35292051  | ELBOW, 90° SWIVEL NUT -16           | 1   |                  |
| T    | 95954913  | REDUCER, 1.62-12 X 1.31-12 FEMALE   | 1   |                  |
| U    | 95954921  | UNION, STRAIGHT 1.31-12             | 1   |                  |

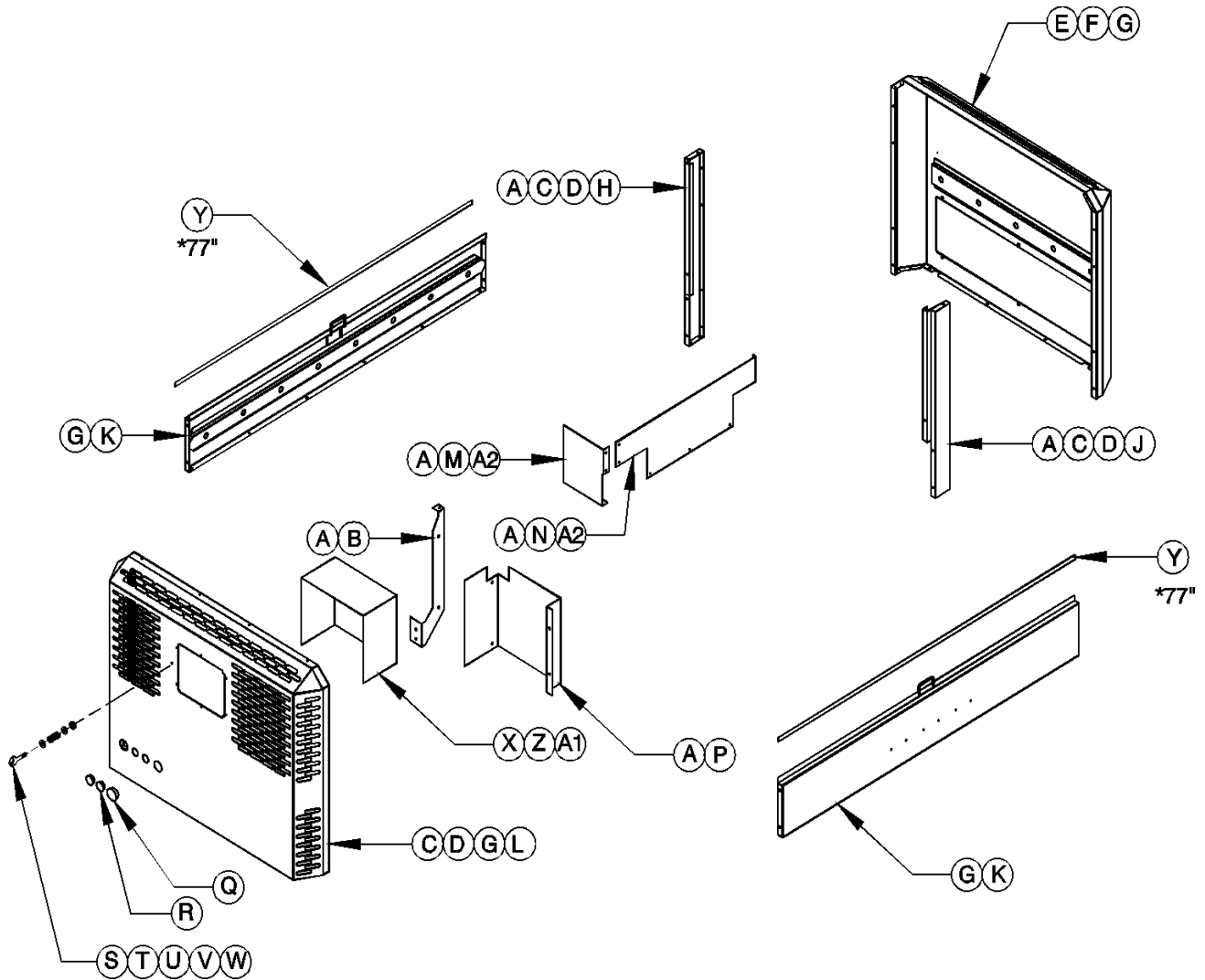
# ENCLOSURE COMPLETE



22592075\_39\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A    | 54642905  | ROOF                        | 1   |                  |
| B    | 36797652  | SCREW, TAPPING M06-1.0 X 12 | 101 |                  |
| C    | 54718184  | STRAP, FOAM RETAINING       | 8   |                  |
| D    | 54639174  | HINGE, SIDE DOOR            | 2   |                  |
| E    | 54697495  | RAIL, LH TOP                | 2   |                  |
| F    | 36793602  | LATCH, SLAM DOOR            | 2   |                  |
| G    | 36794816  | RIVET, 3/16                 | 8   |                  |
| H    | 54629993  | DOOR, SIDE                  | 2   |                  |
| J    | 35337328  | STUD, BALL                  | 4   |                  |
| K    | 36881886  | NUT, HEX FLANGE M08-1.25    | 4   |                  |
| L    | 35256445  | RETAINER, PUSHON 1/4 TURN   | 12  |                  |
| M    | 54694831  | PANEL, REAR ACCESS          | 1   |                  |
| N    | 35256429  | STUD, 1/4 TURN              | 12  |                  |
| P    | 35600261  | SPRING, GAS                 | 4   |                  |
| Q    | 54760483  | PANEL, REAR ACCESS          | 1   |                  |

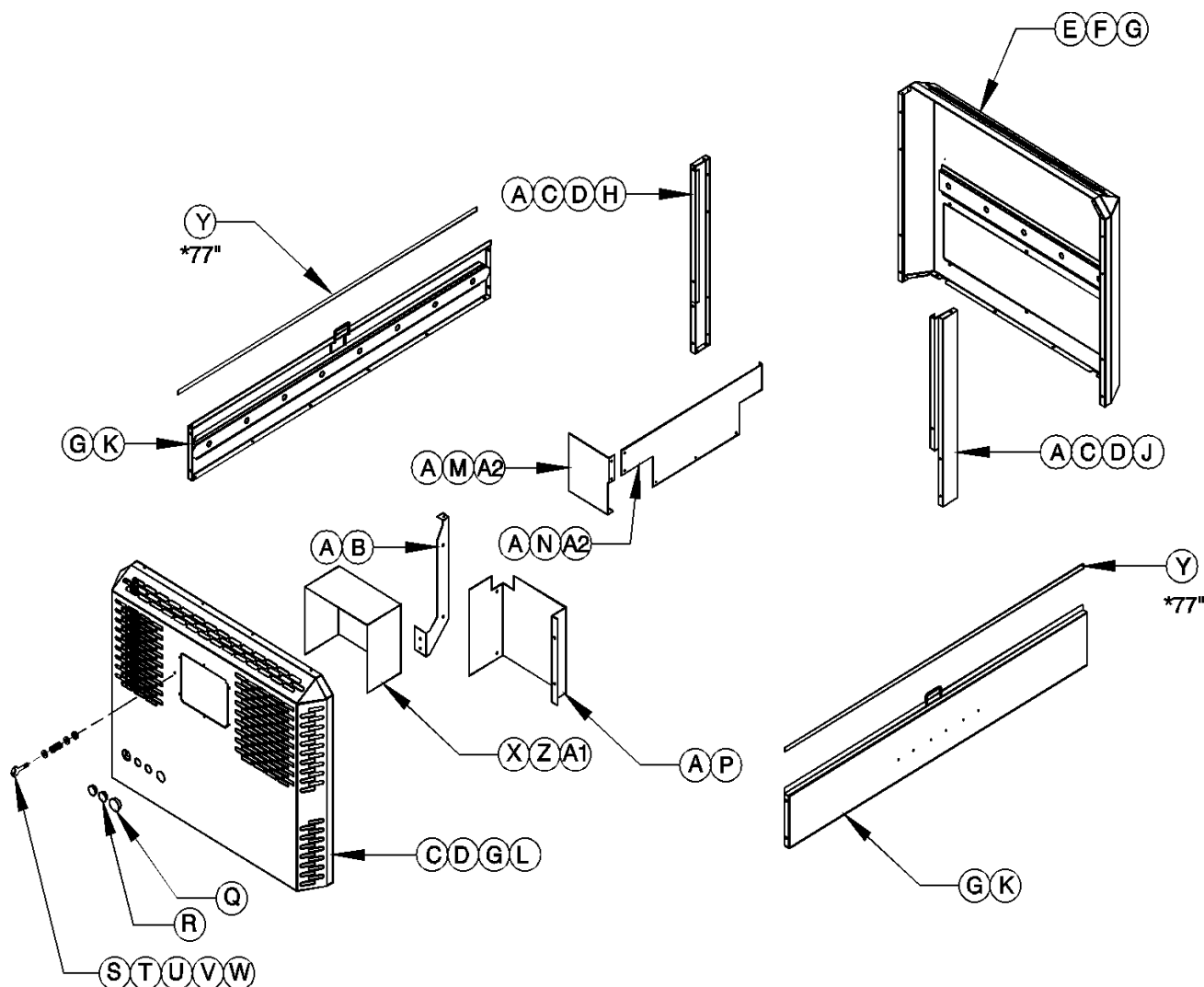
# ENCLOSURE COMPLETE (cont'd)



22592075\_40\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| A    | 36797652  | SCREW, TAPPING M06-1.0 X 12  | 101 |                  |
| B    | 22070908  | BRACKET, FRONT INTAKE        | 1   |                  |
| C    | 35337328  | STUD, BALL                   | 4   |                  |
| D    | 36881886  | NUT, HEX FLANGE M08-1.25     | 4   |                  |
| E    | 54688254  | PANEL, REAR END CAP          | 1   |                  |
| F    | 35256452  | RECEPTACLE, 1/4 TURN         | 12  |                  |
| G    | 35279025  | SCREW, TAPPING M08-1.25 X 20 | 28  |                  |
| H    | 54686167  | PANEL, RH SIDE               | 1   |                  |
| J    | 54692751  | PANEL, LH SIDE               | 1   |                  |
| K    | 54694823  | PANEL, LOWER SIDE            | 2   |                  |
| L    | 54686209  | PANEL, FRONT END CAP         | 1   |                  |
| M    | 22203814  | PANEL, SMALL TOOLBOX         | 1   |                  |
| N    | 22517650  | PANEL, TOOLBOX               | 1   |                  |

# ENCLOSURE COMPLETE (cont'd)

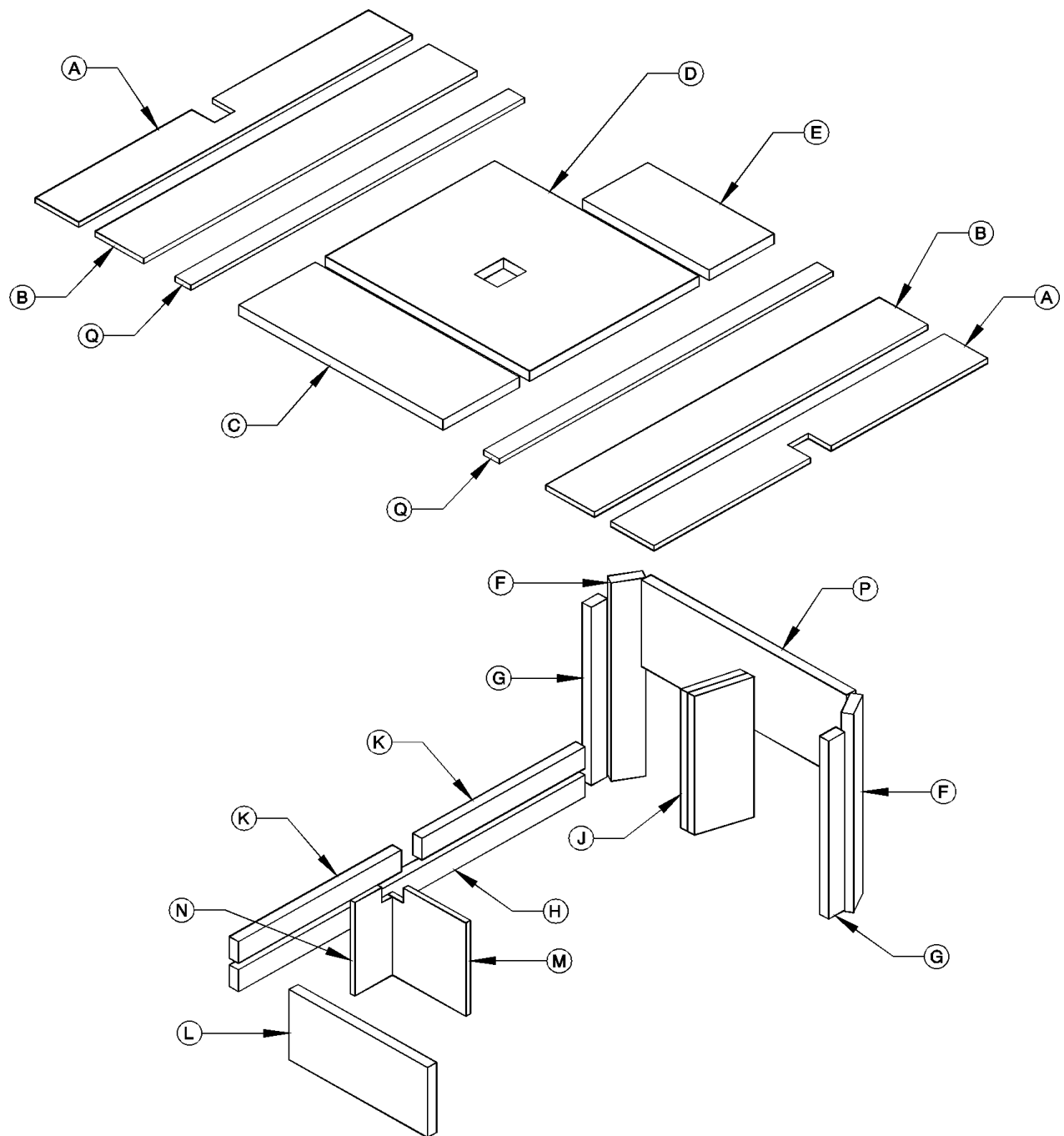


22592075\_40\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES    |
|------|-----------|------------------------------|-----|---------------------|
| P    | 22070908  | BAFFLE, FRONT INTAKE         | 1   |                     |
| Q    | 35310622  | PLUG, 2.0 DIA HOLE           | 1   |                     |
| R    | 35285543  | PLUG, 1.5 DIA HOLE           | 1   |                     |
| S    | 35607829  | EYEBOLT                      | 1   |                     |
| T    | 36772028  | WASHER, NYLON                | 1   |                     |
| U    | 35607837  | SPRING                       | 1   |                     |
| V    | 95935029  | WASHER, FLAT                 | 1   |                     |
| W    | 95923298  | NUT, 1/4-20 HEX LOCK         | 1   |                     |
| X    | 22058325  | COVER, REAR INSTRUMENT PANEL | 1   | Prior to S/N 364889 |
|      | 22628911  | COVER, REAR INSTRUMENT PANEL | 1   | Begin w/ S/N 364889 |
| Y    | 22068373  | SEAL, DOOR                   | *   | SEE LENGTHS ABOVE   |
| Z    | 95972188  | RIVET, .19 ALUMINUM          | 3   |                     |
| A1   | 95916151  | WASHER, FLAT                 | 3   |                     |
| A2   | 92368687  | SCREW, TAPPING M06-1.0 X 14  | 11  |                     |



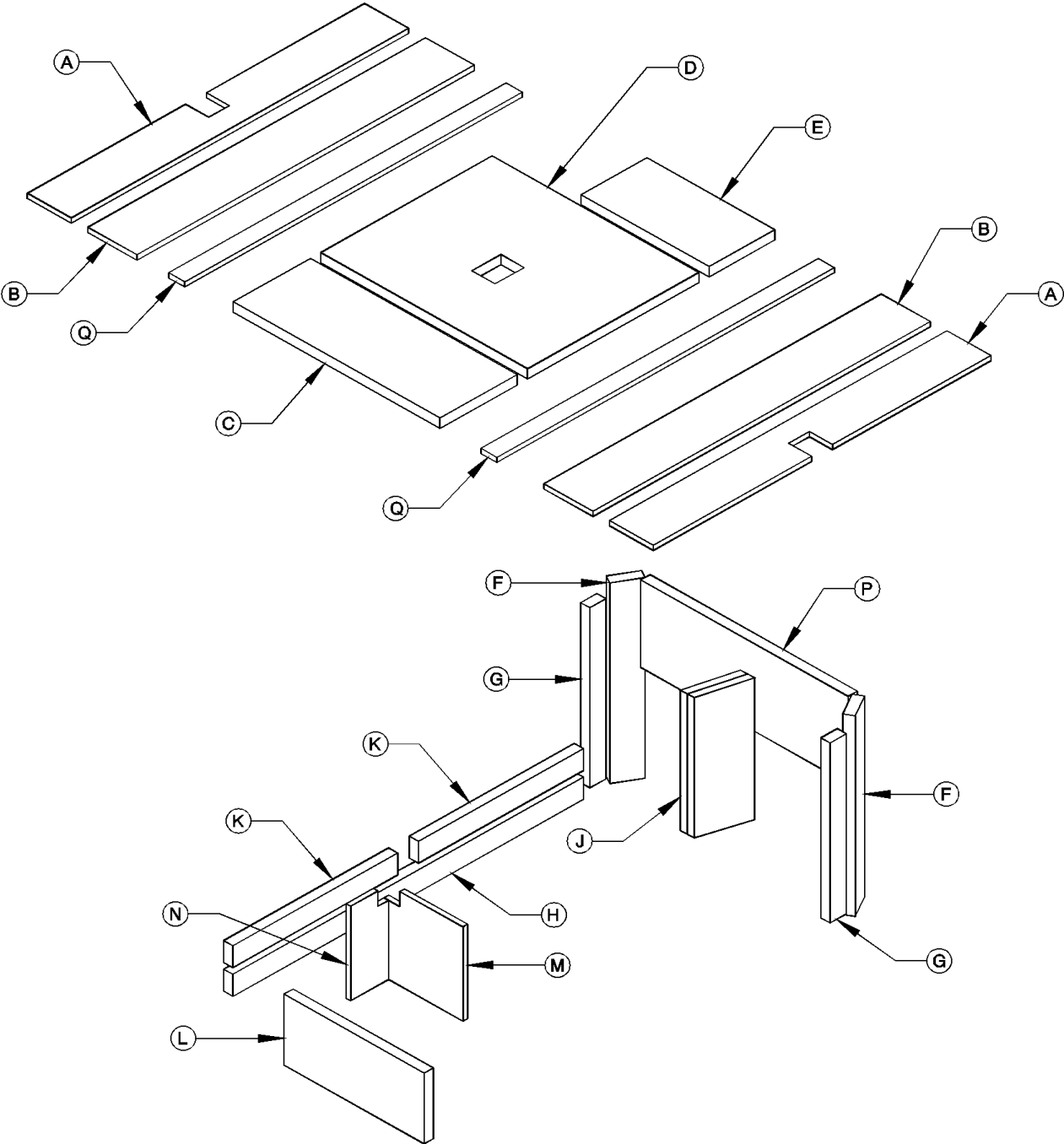
FOAM INSULATION COMPLETE



22592075\_41\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A    | 54675020  | PANEL, LOWER DOOR ACOUSTIC  | 2   |                  |
| B    | 54675046  | PANEL, UPPER DOOR ACOUSTIC  | 2   |                  |
| C    | 54675053  | PANEL, FRONT ROOF ACOUSTIC  | 1   |                  |
| D    | 54675079  | PANEL, MIDDLE ROOF ACOUSTIC | 1   |                  |
| E    | 54675061  | PANEL, REAR ROOF ACOUSTIC   | 1   |                  |
| F    | 54674973  | PANEL, REAR CORNER ACOUSTIC | 2   |                  |
| G    | 54746516  | PANEL, REAR SIDE ACOUSTIC   | 2   |                  |
| H    | 54770524  | PANEL, LOWER SIDE ACOUSTIC  | 1   |                  |

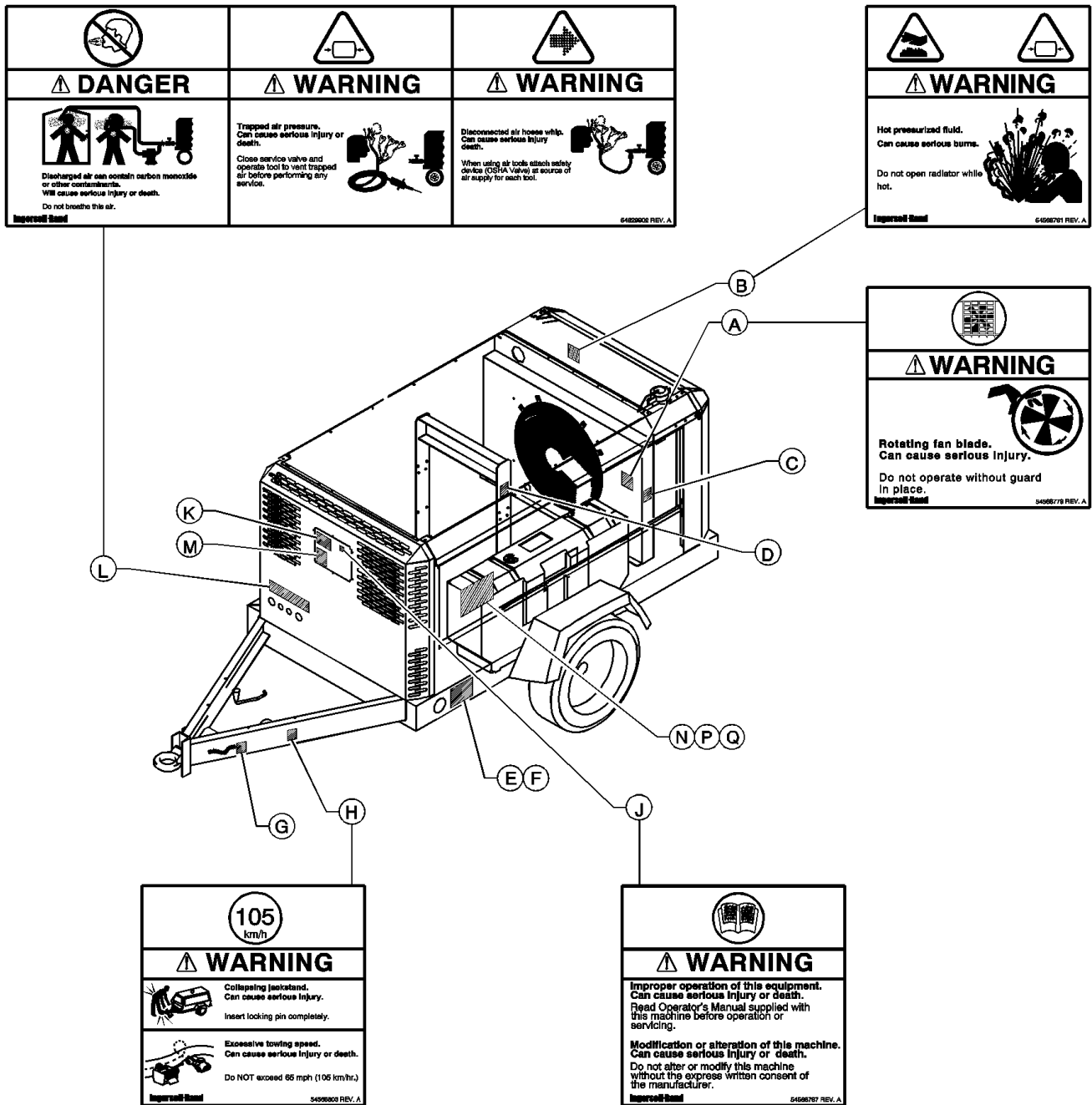
FOAM INSULATION COMPLETE



22592075\_41\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                       | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------------|-----|------------------|
| J    | 54745518  | PANEL, REAR SPLITTER ACOUSTIC     | 2   |                  |
| K    | 54770490  | PANEL, TOP LWR SIDE ACOUSTIC      | 2   |                  |
| L    | 54674916  | PANEL, FRONT END CAP ACOUSTIC     | 1   |                  |
| M    | 22074504  | PANEL, INTR BAFFLE FRONT ACOUSTIC | 1   |                  |
| N    | 22074588  | PANEL, INTR BAFFLE SIDE ACOUSTIC  | 1   |                  |
| P    | 54674957  | PANEL, REAR TOP ACCESS ACOUSTIC   | 1   |                  |
| Q    | 22272322  | PANEL, TOP RAIL ACOUSTIC          | 2   |                  |

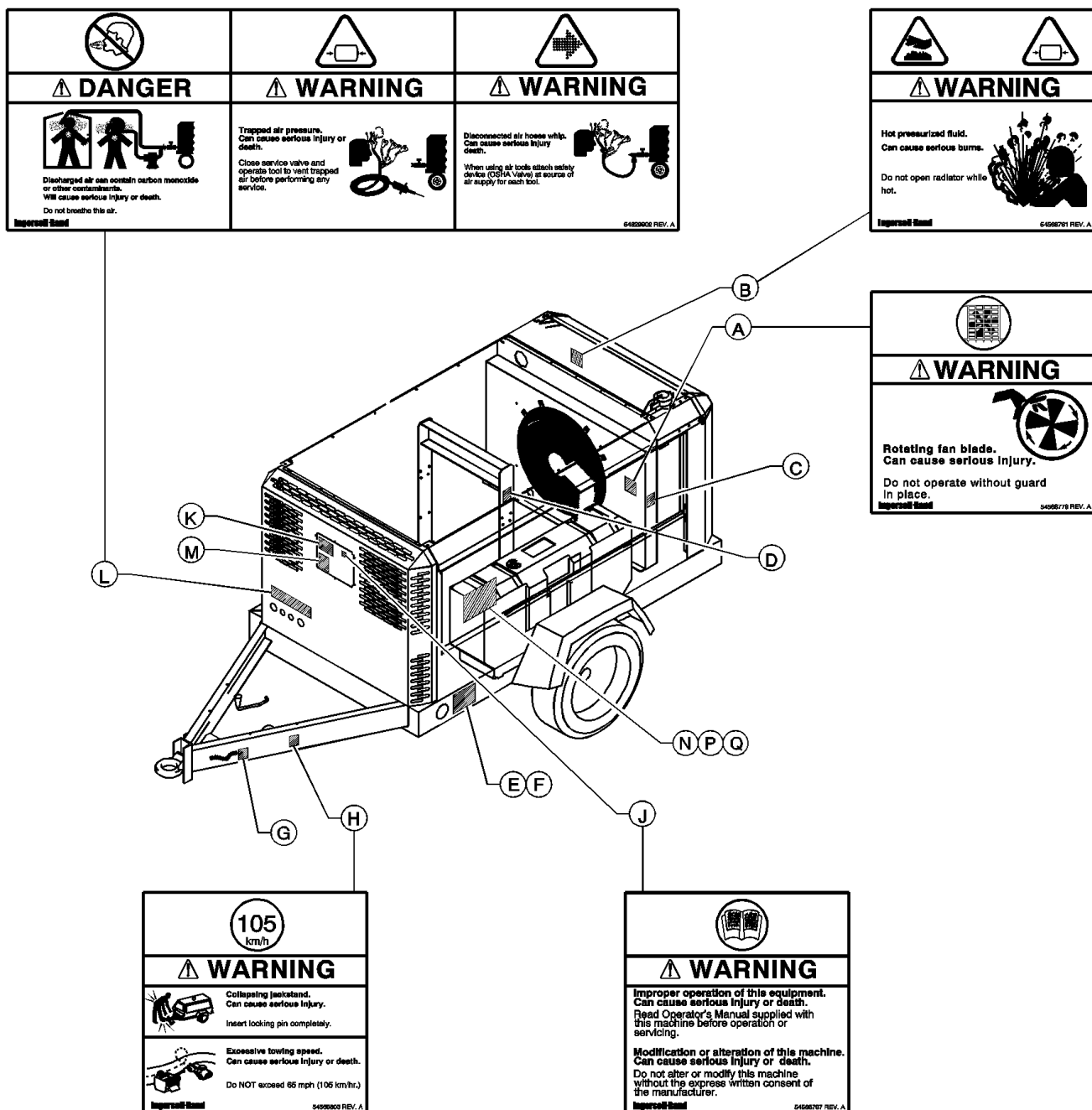
## DECAL LOCATION



22592075\_42\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------|-----|------------------|
| A    | 54568779  | WARNING, ROTATING FAN    | 1   |                  |
| B    | 54568761  | WARNING, HOT FLUIDS      | 1   |                  |
| C    | 54604962  | DECAL, HOT RADIATOR FILL | 1   |                  |
| D    | 54625207  | DECAL, DIESEL FUEL       | 1   |                  |
| E    | 36531176  | DECAL, V.I.N.            | 1   |                  |
| F    | 36533081  | OVERLAY, V.I.N.          | 1   |                  |
| G    | 54604921  | NOTICE, TOW CHAINS       | 1   |                  |
| H    | 54568803  | WARNING, TOWING          | 1   |                  |

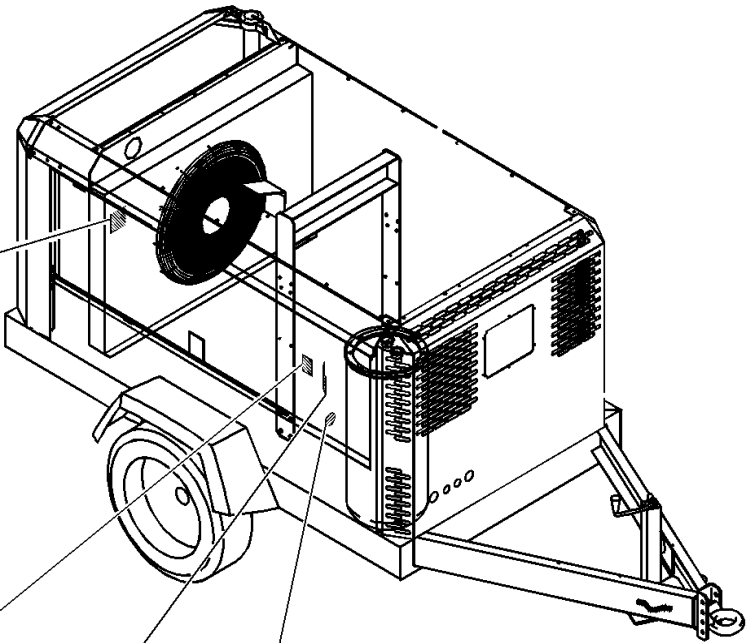
## DECAL LOCATION



22592075\_42\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION                   | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------|-----|------------------|
| J    | 54568787  | WARNING, IMPROPER OPERATION   | 1   |                  |
| K    | 54749163  | DECAL, OPERATING INSTRUCTIONS | 1   |                  |
| L    | 54629902  | DANGER/WARNING, 3-PART COMBO  | 1   |                  |
| M    | 22299051  | DECAL, SYMBOL INTERPERTATION  | 1   |                  |
| N    | 22068282  | SCREW, TAPPING M04 X 25       | 2   |                  |
| P    | 22647168  | LAMINATE, WIRING DIAGRAM      | 1   |                  |
| Q    | 36788982  | BINDER, 3-RING                | 1   |                  |
| J    | 54568787  | WARNING, IMPROPER OPERATION   | 1   |                  |

DECAL LOCATION



22592075\_43\_04/05\_A

| ITEM | COMM. NO. | DESCRIPTION            | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------|-----|------------------|
| A    | 54568779  | WARNING, ROTATING FAN  | 1   |                  |
| B    | 54604970  | DECAL, OIL FILL        | 1   |                  |
| C    | 54568753  | WARNING, BATTERY       | 1   |                  |
| D    | 54568795  | WARNING, HIGH PRESSURE | 1   |                  |
| E    | 54604962  | NOTICE, RADIATOR FILL  | 1   |                  |



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