

# PARTS MANUAL



**Doosan Infracore**  
Portable Power

**P425 WJD-T3 (C46)**  
**HP375 WJD-T3 (C47)**  
**XP375 WJD-T3 (C48)**

## COMPRESSOR MODEL

Doosan Infracore Portable Power  
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Statesville, N.C. 28625  
[www.doosanportablepower.com](http://www.doosanportablepower.com)

Book: 23209257 (08/10) Rev. F  
**Revised (09-12)**

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# TABLE OF CONTENTS

| TITLE                                                 | PAGE |
|-------------------------------------------------------|------|
| <b>Section B - COMPRESSOR PARTS</b>                   |      |
| Frame . . . . .                                       | B-2  |
| Drawbar and Running Gear . . . . .                    | B-4  |
| Running Gear . . . . .                                | B-6  |
| Running Gear . . . . .                                | B-7  |
| Electric Brake Shoe . . . . .                         | B-8  |
| Tire and Wheel Assembly . . . . .                     | B-9  |
| Engine Complete . . . . .                             | B-10 |
| Engine Complete . . . . .                             | B-11 |
| Exhaust Complete . . . . .                            | B-12 |
| Fan Shroud . . . . .                                  | B-14 |
| Coolers . . . . .                                     | B-16 |
| Coolers . . . . .                                     | B-17 |
| Minimum Pressure Valve . . . . .                      | B-18 |
| Airend Coupling . . . . .                             | B-19 |
| Airend Piping . . . . .                               | B-20 |
| Airend Piping . . . . .                               | B-21 |
| Alirend Gear Case . . . . .                           | B-22 |
| Alirend Gear Case . . . . .                           | B-23 |
| Airend Rotor Housing . . . . .                        | B-24 |
| Alirend Rear Bearing Housing . . . . .                | B-25 |
| Unloader Mount . . . . .                              | B-26 |
| Unloader Assembly . . . . .                           | B-27 |
| Unloader Assembly (cont'd) . . . . .                  | B-28 |
| OTBV / Oil Filter Mounting . . . . .                  | B-29 |
| OTBV / Oil Filter Mounting . . . . .                  | B-30 |
| Oil Temperature Bypass Valve . . . . .                | B-31 |
| Fuel Tank . . . . .                                   | B-32 |
| Separator Tank Mount . . . . .                        | B-34 |
| Separator Tank Mount . . . . .                        | B-35 |
| Separator Tank Filler . . . . .                       | B-36 |
| Service Air . . . . .                                 | B-37 |
| Service Air . . . . .                                 | B-38 |
| Air Cleaner Mount . . . . .                           | B-39 |
| Air Cleaner Assembly . . . . .                        | B-40 |
| Wedge Mount . . . . .                                 | B-41 |
| Battery Mount . . . . .                               | B-42 |
| Instrument Panel . . . . .                            | B-44 |
| Instrument Panel . . . . .                            | B-45 |
| Electric Brake Wiring Prior to S/N 415418 . . . . .   | B-46 |
| Electric Brake Wiring Begin with S/N 415418 . . . . . | B-47 |
| Chassis Wiring Diagram . . . . .                      | B-48 |
| Chassis Wiring Diagram . . . . .                      | B-49 |
| Instrument Panel Wiring Diagram . . . . .             | B-50 |
| Tail Light Wiring Diagram . . . . .                   | B-51 |
| Air Piping . . . . .                                  | B-52 |
| Air Piping . . . . .                                  | B-53 |
| Air Piping . . . . .                                  | B-54 |
| Air Piping . . . . .                                  | B-55 |
| Oil Piping . . . . .                                  | B-56 |
| Oil Piping . . . . .                                  | B-57 |
| Oil Piping . . . . .                                  | B-58 |
| Oil Piping . . . . .                                  | B-59 |
| Foam Insulation . . . . .                             | B-60 |
| Enclosure Lower . . . . .                             | B-62 |

## TABLE OF CONTENTS

| TITLE                          | PAGE |
|--------------------------------|------|
| Enclosure Lower . . . . .      | B-63 |
| Enclosure Upper . . . . .      | B-64 |
| Decal Location CRBSD . . . . . | B-65 |
| Decal Location STSD . . . . .  | B-66 |

### Section C - ENGINE PARTS

|                                      |      |
|--------------------------------------|------|
| Valve Cover . . . . .                | C-2  |
| Oil Fill Neck . . . . .              | C-3  |
| Flywheel Housing . . . . .           | C-4  |
| Flywheel . . . . .                   | C-5  |
| Intake Air Manifold . . . . .        | C-6  |
| Oil Pan . . . . .                    | C-7  |
| Fuel Injection Pump . . . . .        | C-8  |
| Thermostat and Housing . . . . .     | C-10 |
| Fan Drive . . . . .                  | C-11 |
| Belt Tensioner . . . . .             | C-12 |
| Starter . . . . .                    | C-13 |
| Alternator . . . . .                 | C-14 |
| Alternator Brackets . . . . .        | C-15 |
| Final Fuel Filter . . . . .          | C-16 |
| Fuel Transfer Pump . . . . .         | C-17 |
| Timing Gear and Water Pump . . . . . | C-18 |
| Dipstick . . . . .                   | C-20 |
| Crankshaft Pulley . . . . .          | C-21 |
| Oil Cooler . . . . .                 | C-22 |
| Sensors . . . . .                    | C-23 |
| Fuel Lines . . . . .                 | C-24 |
| Exhaust Manifold and Turbo . . . . . | C-26 |
| Engine Wiring Harness . . . . .      | C-28 |
| Oil Filter . . . . .                 | C-29 |
| Primary Fuel Filter . . . . .        | C-30 |

## TABLE OF CONTENTS

| TITLE                                         | PAGE |
|-----------------------------------------------|------|
| <b>Section D - OPTION PARTS</b>               |      |
| Aftercooler with Water Separator PRIOR to S/N | D-2  |
| Aftercooler Mount BEGIN with S/N              | D-4  |
| IQ Filter Mount BEGIN with S/N                | D-6  |
| Water Separator Mount BEGIN with S/N          | D-8  |
| Central Drains                                | D-9  |
| Central Drains                                | D-10 |
| Dual Pressure Regulation                      | D-11 |
| Adjustable Height Drawbar                     | D-12 |
| Extended Drawbar                              | D-13 |
| Extended / Adjustable Height Drawbar          | D-14 |
| Full Gauge Panel                              | D-15 |
| 4-in-1 Gauge                                  | D-17 |
| Tachometer Gauge                              | D-18 |
| Galvanneal Enclosure                          | D-19 |
| Hose Reel Assembly                            | D-20 |
| Single Hose Reel                              | D-21 |
| Single Hose Reel                              | D-22 |
| Double Hose Reel                              | D-23 |
| Double Hose Reel                              | D-24 |
| Hose Reel Lubricator                          | D-25 |
| IQ Filter Mounting PRIOR to S/N               | D-26 |
| IQ Filter Kits PRIOR to S/N                   | D-27 |
| IQ Filter Differential Pressure PRIOR to S/N  | D-28 |
| IQ Filter Differential Pressure PRIOR to S/N  | D-29 |
| IQ Filter Aftercooler PRIOR to S/N            | D-30 |
| IQ Filter Aftercooler PRIOR to S/N            | D-31 |
| Running Gear without Brakes                   | D-32 |
| Parking Brake                                 | D-34 |
| AIR FILTER RESTRICTION WIRING SCHEMATIC       | D-36 |
| Option Wiring Schematic                       | D-37 |
| MISCELLANEOUS OPTIONS                         | D-39 |

TABLE OF CONTENTS

| TITLE | PAGE |
|-------|------|
|-------|------|



## **Section A - 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 branded parts for your compressor.

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

Portable Power service facilities and Ingersoll Rand parts are available worldwide. Consult local yellow pages or visit: [www.doosanportablepower.com](http://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.

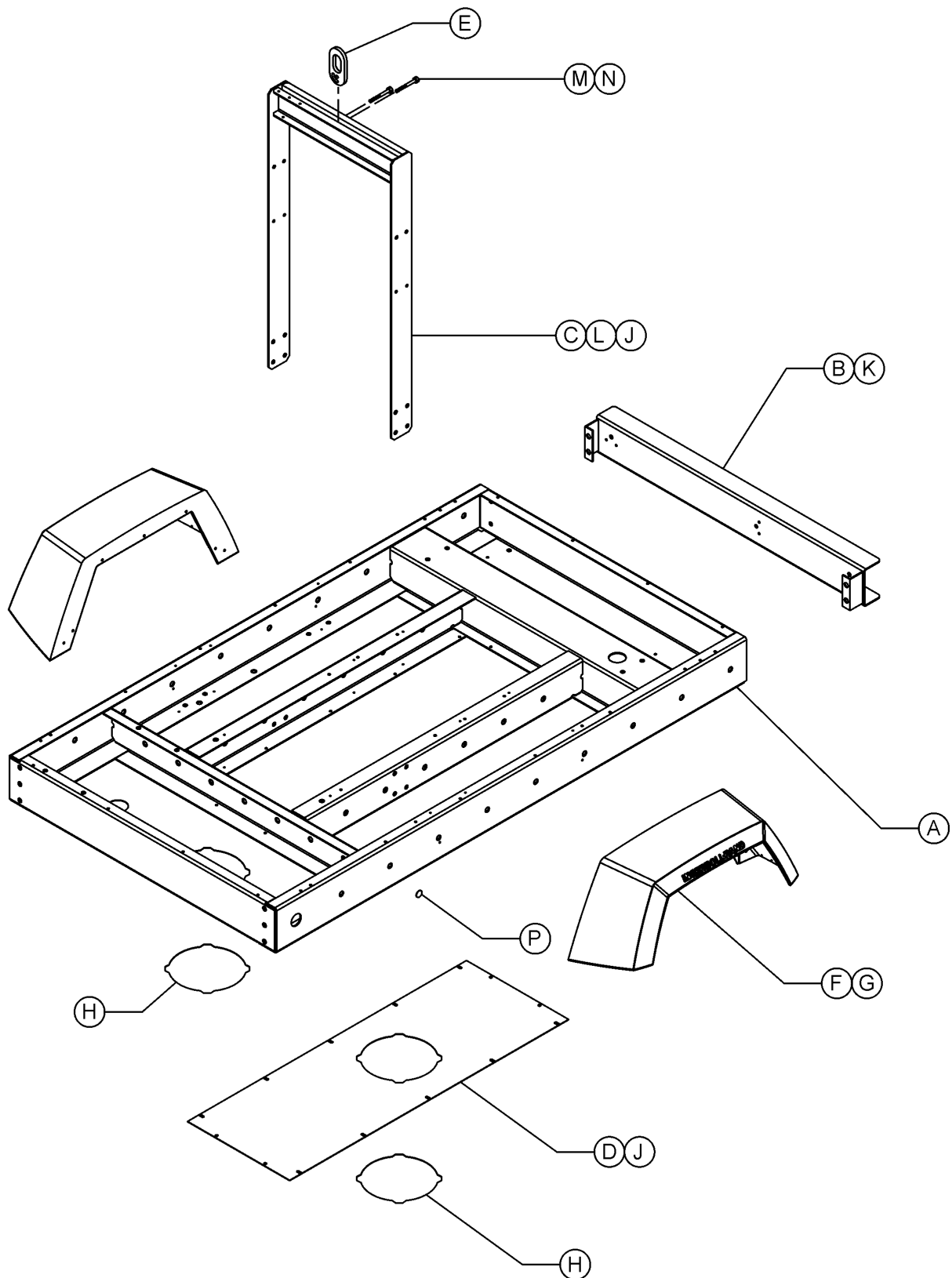
Specify the part number and description.



## **Section B - COMPRESSOR PARTS**

Frame

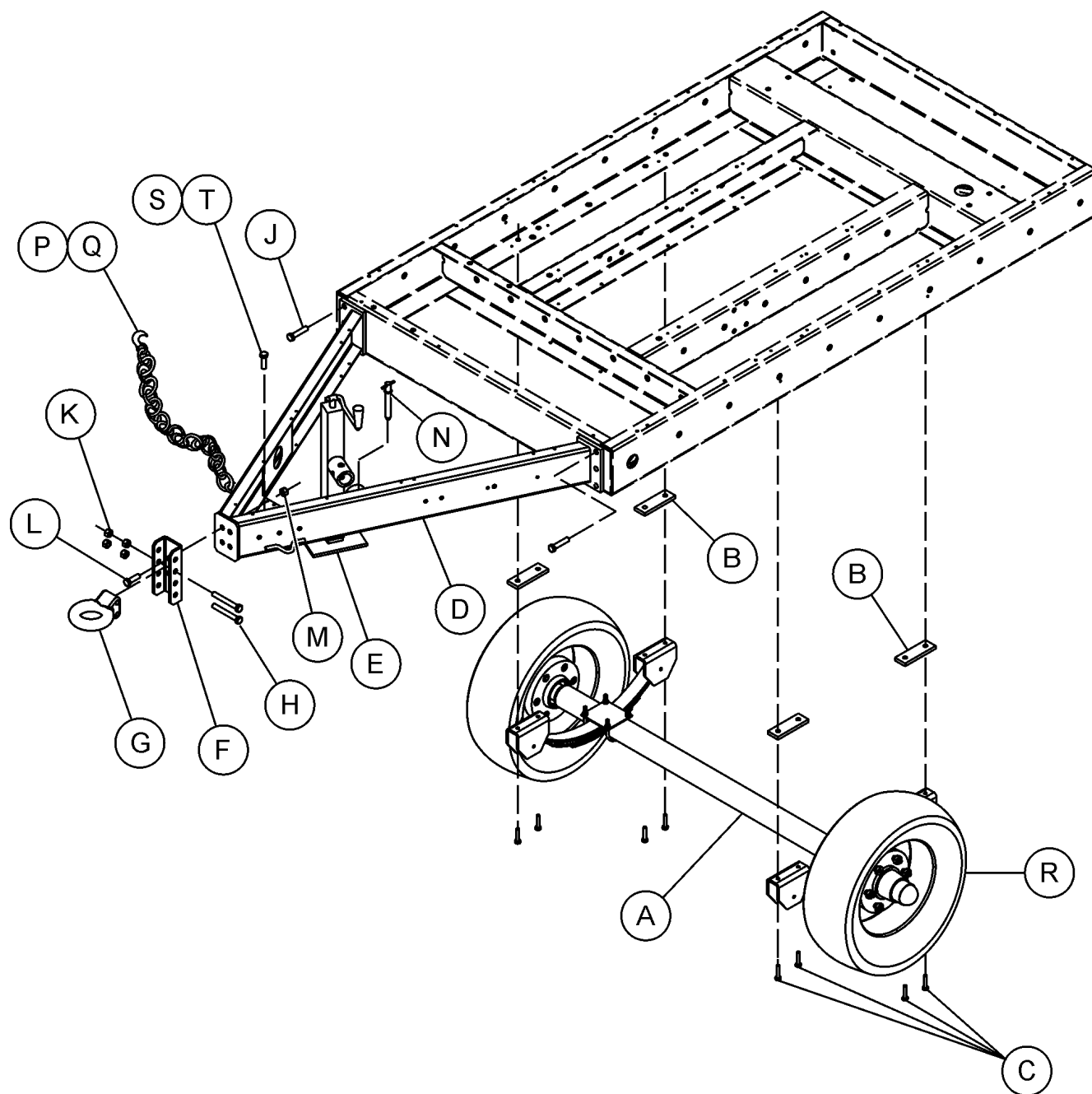
## ➡ DRAWBAR END



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| ITEM | COMM. NO. | DESCRIPTION                            | QTY | DIMENSIONS/NOTES    |
|------|-----------|----------------------------------------|-----|---------------------|
| A    | 22165914  | Frame Assembly                         | 1   | Prior to S/N 415418 |
| 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            | 10  |                     |
| H    | 36880623  | Cover, Flexible                        | 2   |                     |
| J    | 35279025  | Screw, Tapping M08-1.25 X 20           | 18  |                     |
| K    | 36888055  | Screw, Hex Flange M12-1.75 X 30        | 4   |                     |
| L    | 36879492  | Screw, Hex Flange Flange M12-1.75 X 25 | 8   |                     |
| M    | 36765121  | Screw, Hex Flange M16-2.0 X 55         | 2   |                     |
| N    | 96704630  | Nut, Nyloc M16 -2.0                    | 2   |                     |
| P    | 54772041  | Plug, Snap-in Hole                     | 15  |                     |

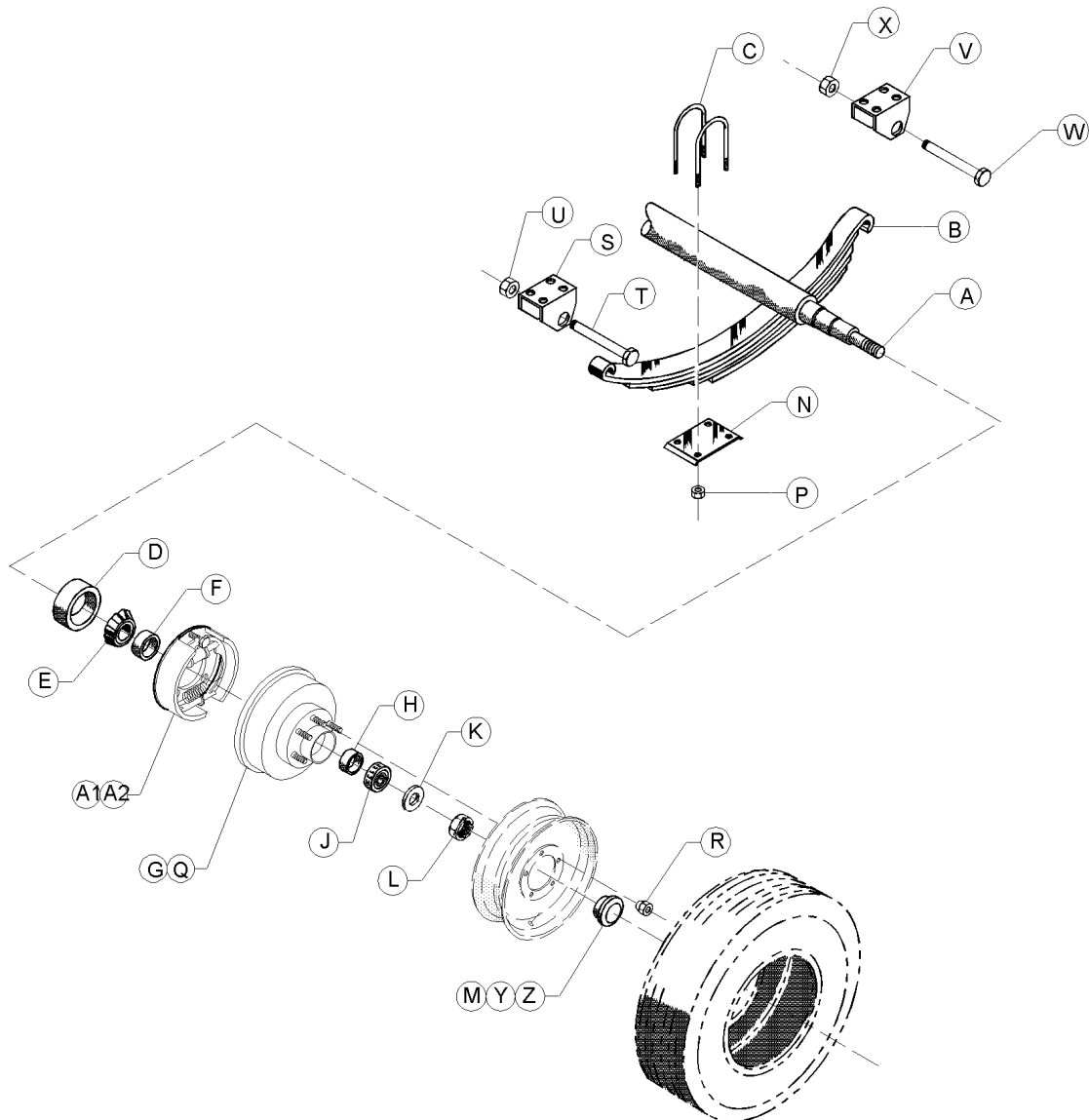
## Drawbar and Running Gear



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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 Flange M12-1.75 X 40 | 8   |                       |
| D    | 36876621  | Drawbar                         | 1   | Prior to S/N 415418   |
|      | 46548129  | Drawbar                         | 1   | Begin with S/N 415418 |
| 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   |                       |
| 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    | 35610377  | Chain Assembly                  | 2   | Prior to S/N 415418   |
|      | 22144521  | Chain Assembly                  | 2   | Begin with S/N 415418 |
| Q    | 35372432  | Link, Coupling                  | 2   | Prior to S/N 415418   |
| R    | 36073864  | Tire Assembly                   | 2   |                       |
| S    | 22959936  | Screw, Tapping M08-1.25 X 20    | 2   | Begin with S/N 415418 |
| T    | 95934907  | Washer, Flat 3/8" ID            | 2   | Begin with S/N 415418 |

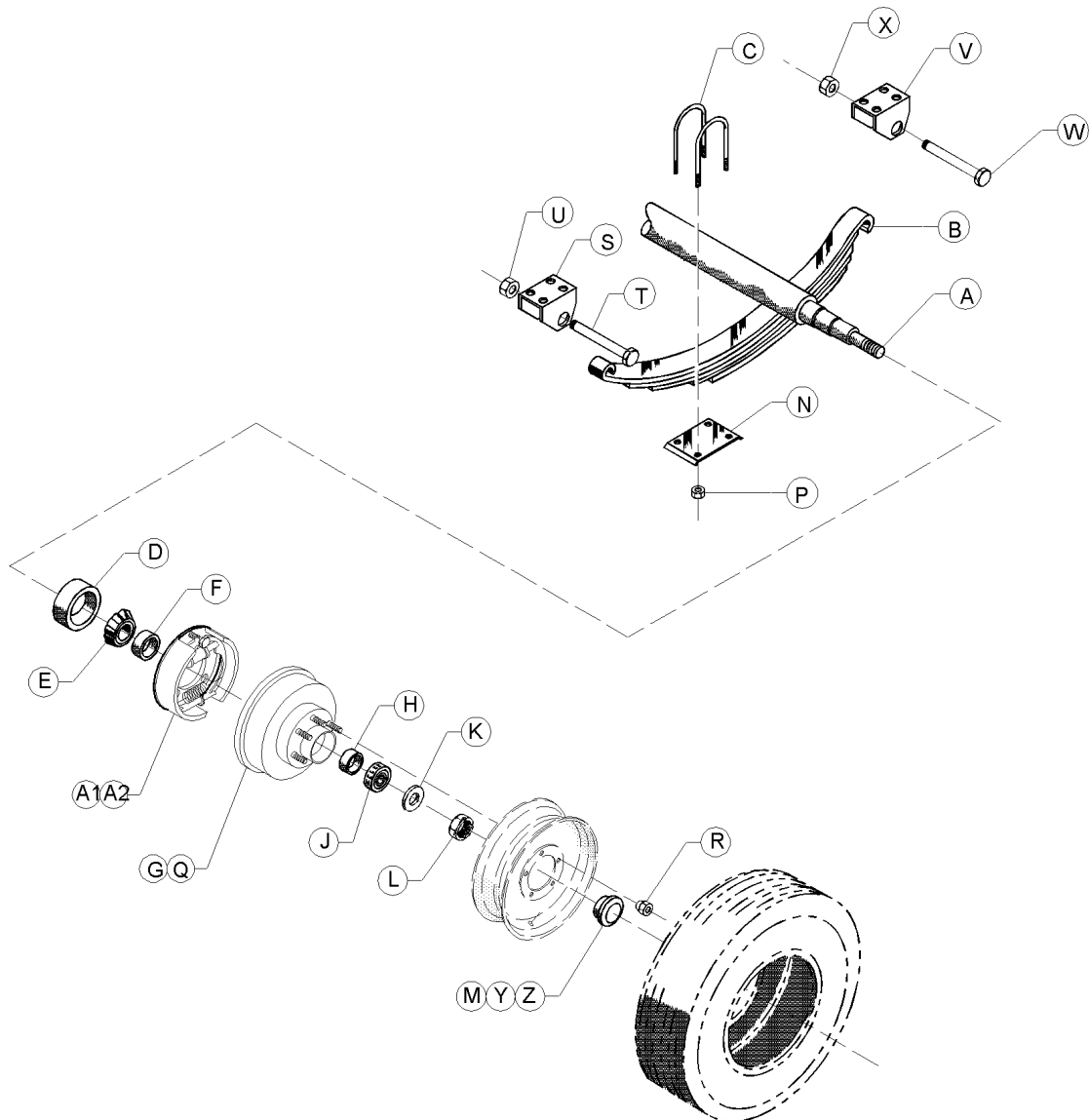
## Running Gear



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| ITEM | COMM. NO. | DESCRIPTION         | QTY | DIMENSIONS/NOTES              |
|------|-----------|---------------------|-----|-------------------------------|
| A    | 54750997  | Beam, Axle          | 1   | <i>Continued on next page</i> |
| 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   |                               |

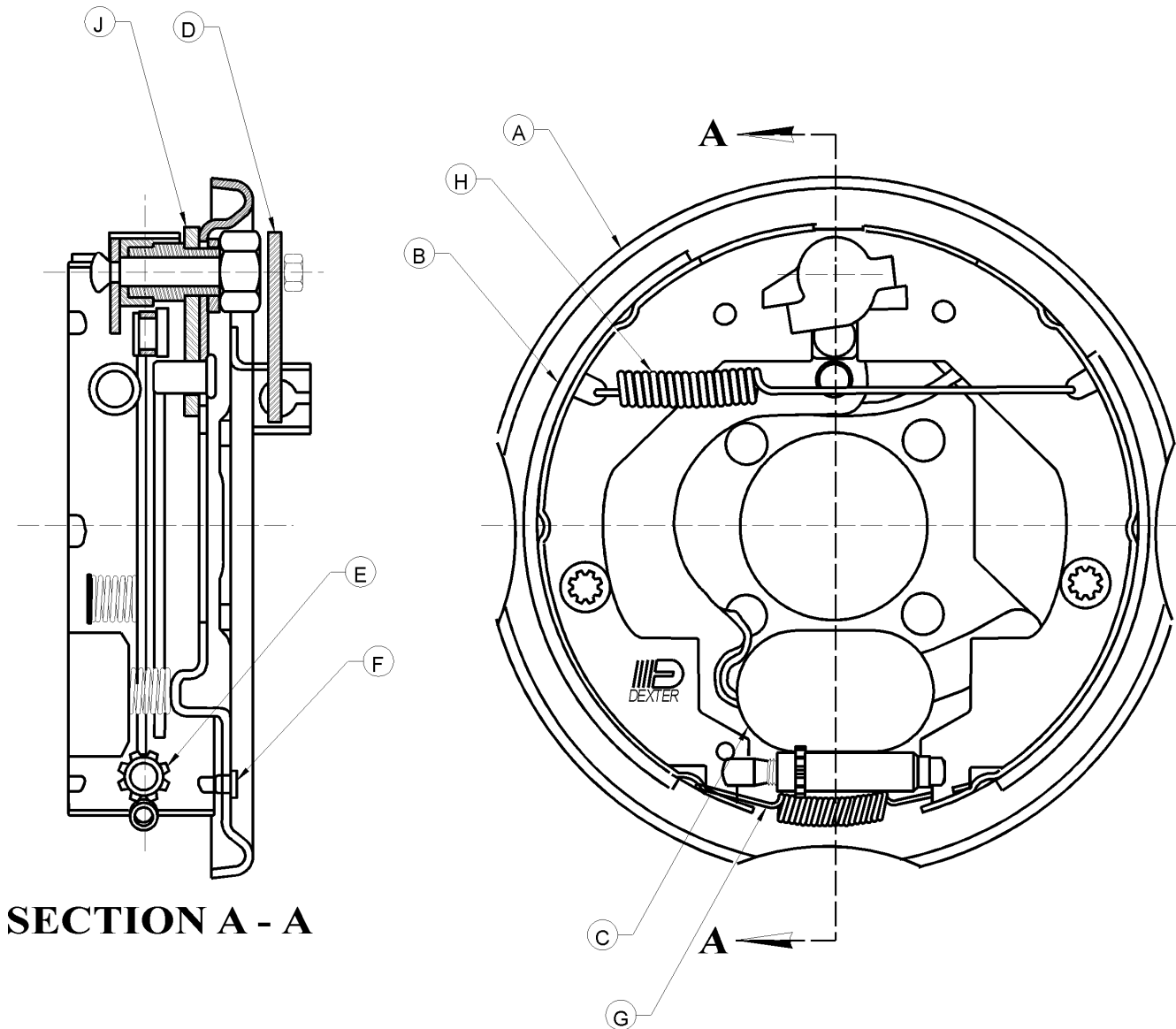
## Running Gear



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| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES      |
|------|-----------|-----------------------------|-----|-----------------------|
| P    | 35315258  | Nut, U-Bolt                 | 4   | .... <i>Continued</i> |
| 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   |                       |

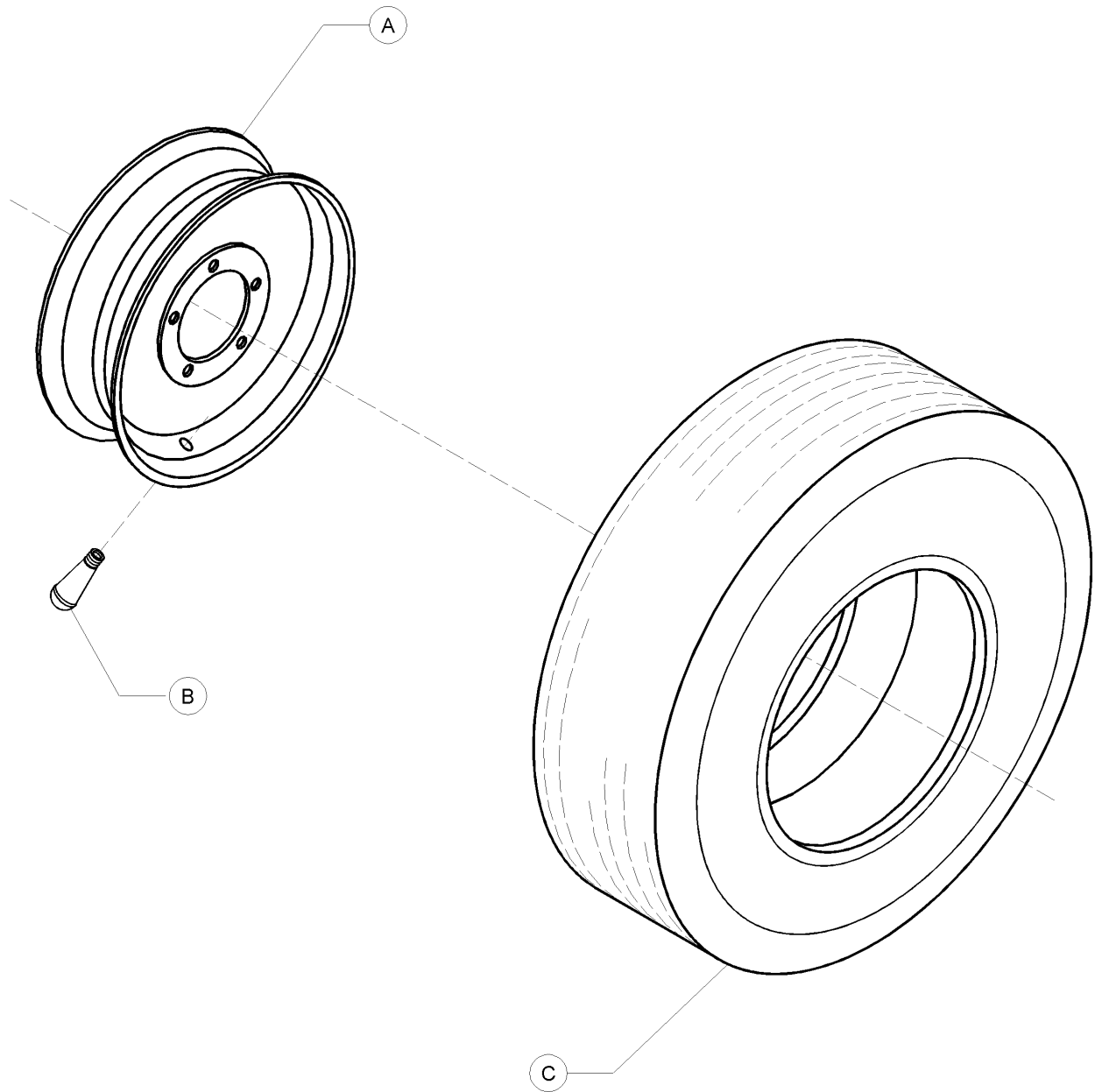
## Electric Brake Shoe



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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   |                  |

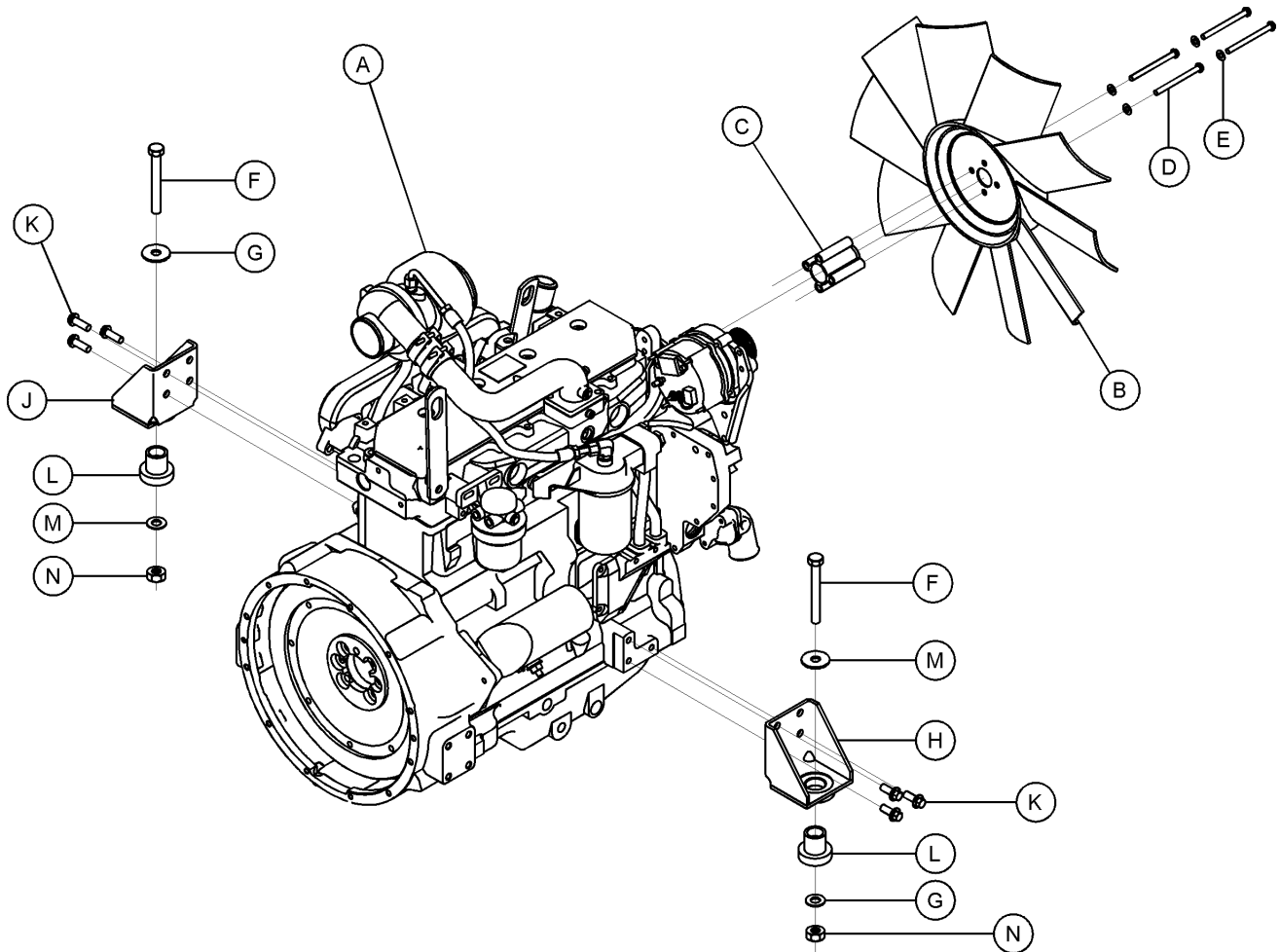
## Tire and Wheel Assembly



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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   |                  |

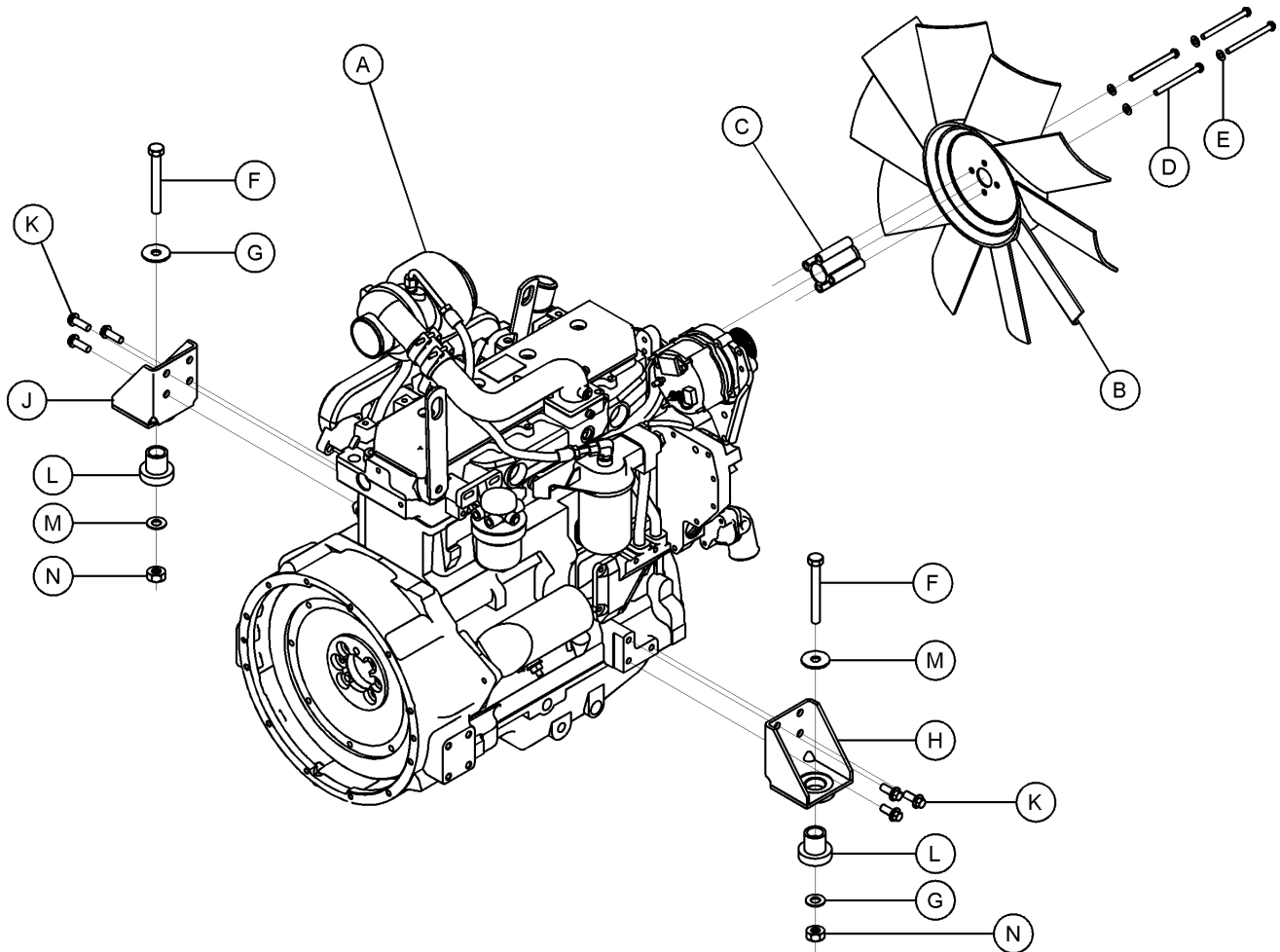
## Engine Complete



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| ITEM | COMM. NO. | DESCRIPTION               | QTY | DIMENSIONS/NOTES              |
|------|-----------|---------------------------|-----|-------------------------------|
| A    | 22884605  | Engine                    | 1   |                               |
| B    | 22748578  | Fan                       | 1   |                               |
| C    | 54749056  | Spacer, Fan               | 1   |                               |
| D    | 96726435  | Screw, Hex M08-1.25 X 100 | 4   |                               |
| E    | 96701396  | Washer, Flat M08          | 4   |                               |
| F    | 96701503  | Screw, Hex M16-2.0 X 90   | 2   |                               |
| G    | 35327212  | Washer, Snubber           | 2   |                               |
| H    | 54756739  | Mount, STSD Engine        | 1   |                               |
| J    | 54756507  | Mount, CRBSD Engine       | 1   |                               |
|      |           |                           |     |                               |
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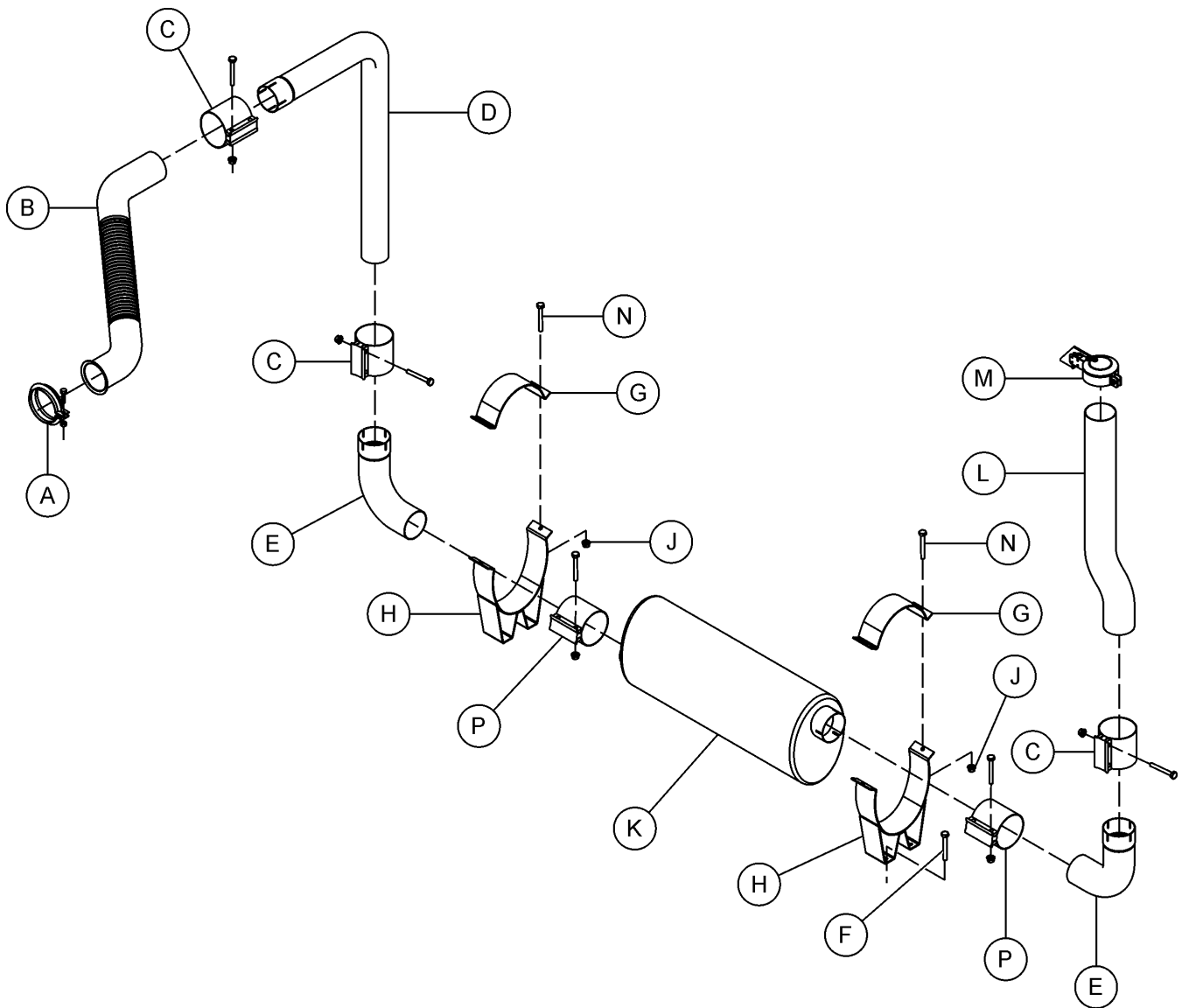
## Engine Complete



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| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| K    | 36888055  | Screw, Hex Flange M12-1.75 X 30 | 6   | ....Continued    |
| L    | 54756697  | Isolator, Center Bond           | 2   |                  |
| M    | 95935052  | Washer, Flat                    | 2   |                  |
| N    | 96704630  | Nut, Nyloc M16 -2.0             | 2   |                  |
|      | 22206148  | Element, Oil Filter             | AR  |                  |
|      | 22969257  | Element, Final Fuel Filter      | AR  |                  |
|      | 22969265  | Element, Primary Fuel Filter    | AR  |                  |
|      |           |                                 |     |                  |

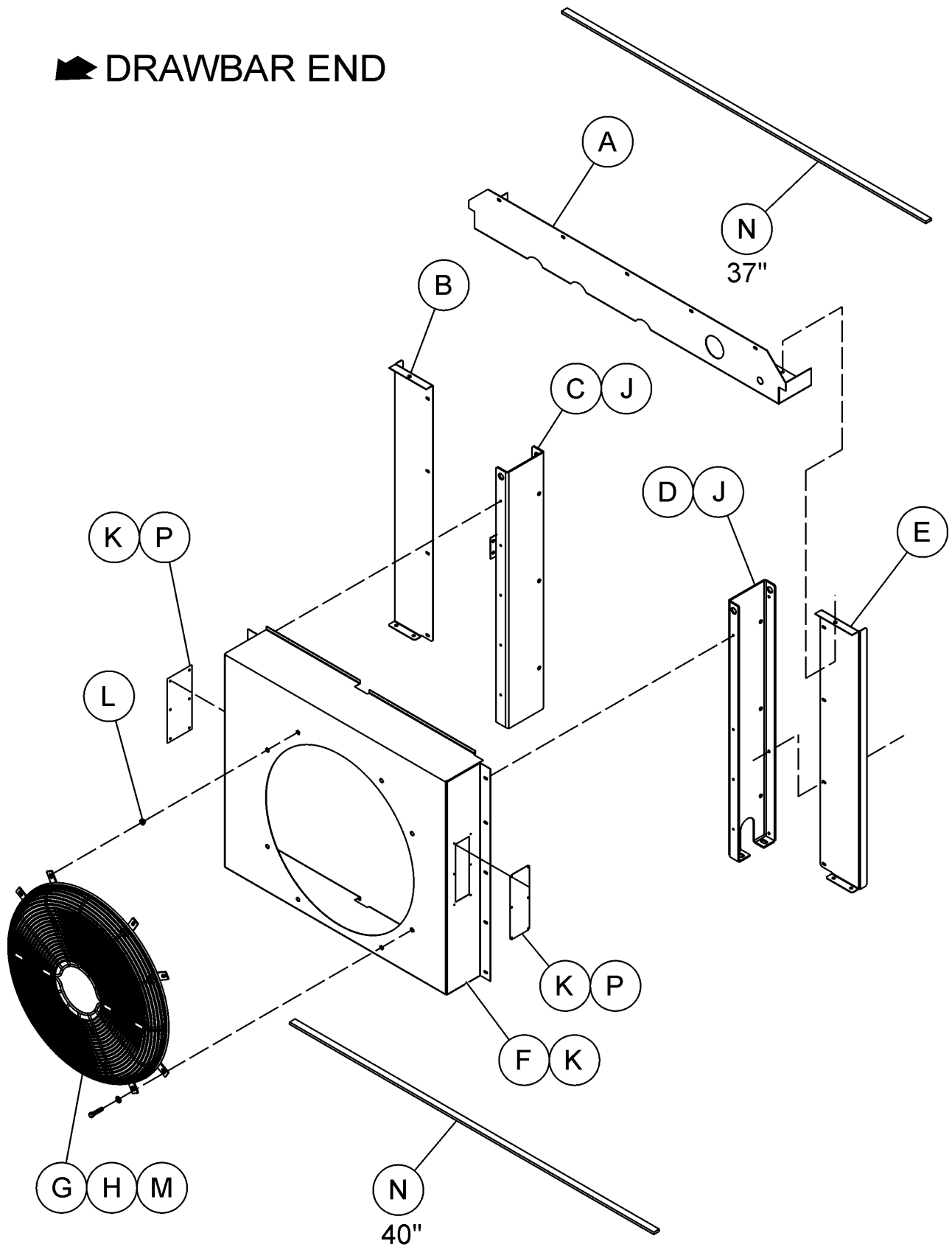
## Exhaust Complete



| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES                             |
|------|-----------|---------------------------------|-----|----------------------------------------------|
| A    | 36881175  | Clamp, Exhaust                  | 1   | Prior to S/N 415418<br>Begin with S/N 415418 |
| B    | 22447460  | Exhaust Pipe Assembly           | 1   |                                              |
| C    | 35293067  | Clamp, Exhaust Seal             | 3   |                                              |
| D    | 22447494  | Tube, Exhaust                   | 1   |                                              |
|      | 46499976  | Tube, Exhaust                   | 1   |                                              |
| E    | 22447577  | Elbow, 3.5" Tube                | 2   |                                              |
| F    | 35279025  | Screw, Tapping M08-1.25 X 20    | 4   |                                              |
| G    | 22481568  | Clamp, Top                      | 2   |                                              |
| H    | 22446298  | Clamp, Muffler                  | 2   |                                              |
| J    | 36881886  | Nut, Hex Flange M08-1.25        | 4   |                                              |
| K    | 35797877  | Muffler                         | 1   |                                              |
| L    | 22447486  | Pipe, Exhaust                   | 1   |                                              |
|      | 46499984  | Pipe, Exhaust                   | 1   |                                              |
| M    | 36869337  | Cap, Rain                       | 1   |                                              |
| N    | 36889608  | Screw, Hex Flange M08-1.25 X 25 | 4   |                                              |
| P    | 35292333  | Clamp, Exhaust 3.5" Tube        | 2   |                                              |

# Fan Shroud

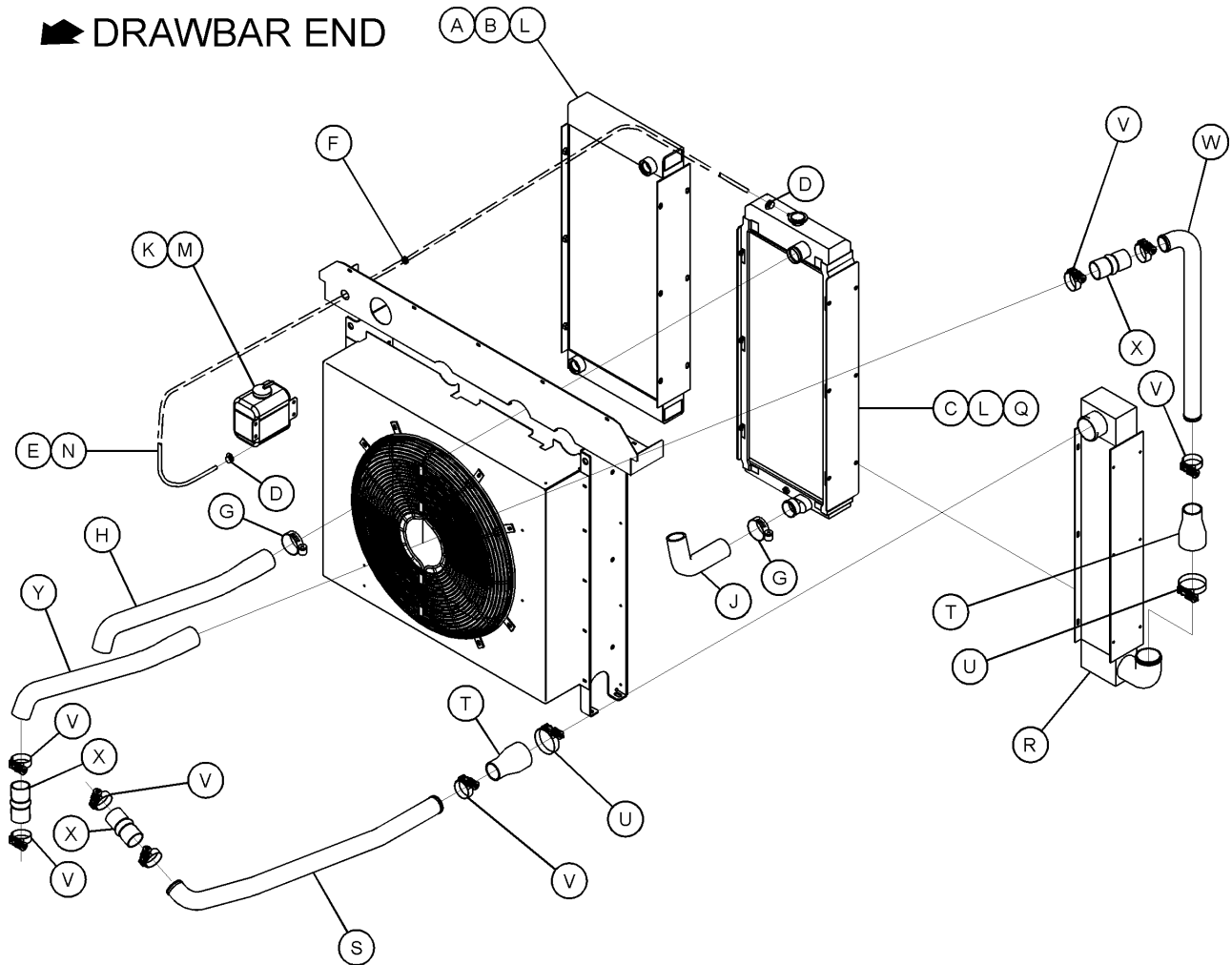
➡ DRAWBAR END



23209257\_07/10\_B

| ITEM | COMM. NO.  | DESCRIPTION                     | QTY | DIMENSIONS/NOTES      |
|------|------------|---------------------------------|-----|-----------------------|
| A    | 22902134   | Baffle, Top                     | 1   | Prior to S/N 415418   |
|      | 46543716SA | Baffle, Top                     | 1   | Begin with S/N 415418 |
| B    | 22910723   | Baffle, STSD Cooler             | 1   |                       |
| C    | 22910962   | Support, Oil Cooler             | 1   |                       |
| D    | 22150643   | Support, Charge Air Cooler      | 1   |                       |
| E    | 22910988   | Baffle, CRBSD Cooler            | 1   |                       |
| F    | 22897607   | Shrod, Fan                      | 1   |                       |
| G    | 22962583   | Guard, Fan                      | 1   |                       |
| H    | 95934998   | Washer, Flat 5/16"              | 8   |                       |
| J    | 36879492   | Screw, Hex Flange M12-1.75 X 25 | 4   |                       |
| K    | 36797652   | Screw, Tapping M06-1.0 X 12     | 26  |                       |
| L    | 36895746   | Nutsert, Hex M08                | 8   |                       |
| M    | 96702055   | Screw, Hex M08-1.25 X 20        | 8   |                       |
| N    | 35140409   | Foam                            | ~   | See Lengths Above     |
| P    | 22746630   | Panel, Access Cover             | 1   |                       |

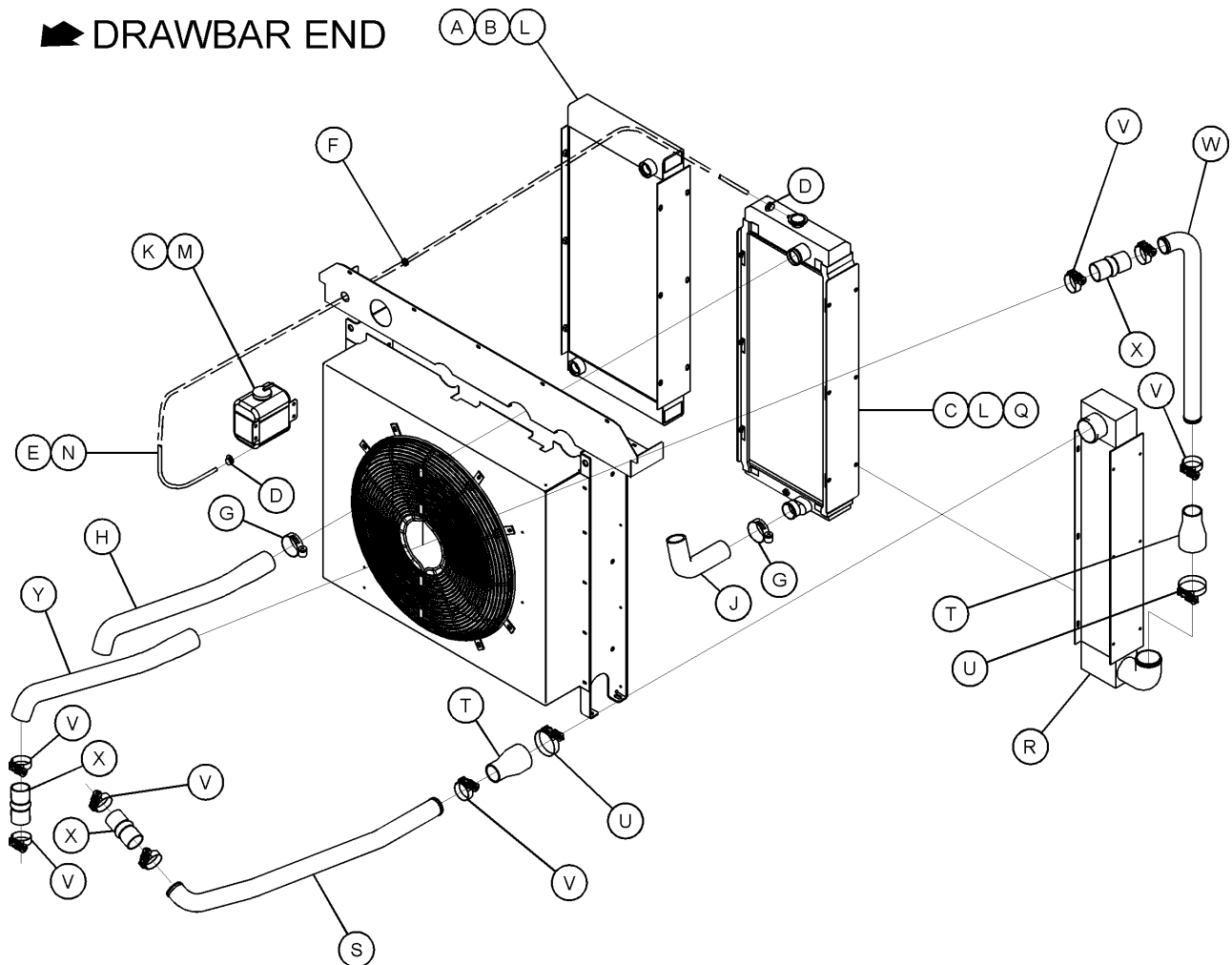
## Coolers



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| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES    |
|------|-----------|-----------------------------|-----|---------------------|
| A    | 22150197  | Oil Cooler                  | 1   |                     |
| B    | 36879195  | Nut, Hex Flange M10-1.5     | 12  |                     |
| C    | 22220487  | Radiator                    | 1   |                     |
| D    | 35296342  | Clamp, Worm Gear            | 2   |                     |
| E    | 35360775  | Tubing, 5/16"               | 39" |                     |
| F    | 35285162  | Grommet, 3/4" ID            | 1   |                     |
| G    | 35221639  | Clamp, Hose                 | 4   |                     |
| H    | 22897631  | Hose, Top Radiator          | 1   |                     |
| J    | 22897649  | Hose, Bottom Radiator       | 1   |                     |
| K    | 36884948  | Bottle, Coolant Recovery    | 1   |                     |
| L    | 96702279  | Screw, Hex M10-1.50 X 20    | 24  |                     |
| M    | 92368687  | Screw, Tapping M06-1.0 X 12 | 4   |                     |
|      |           |                             |     | <i>Continued...</i> |

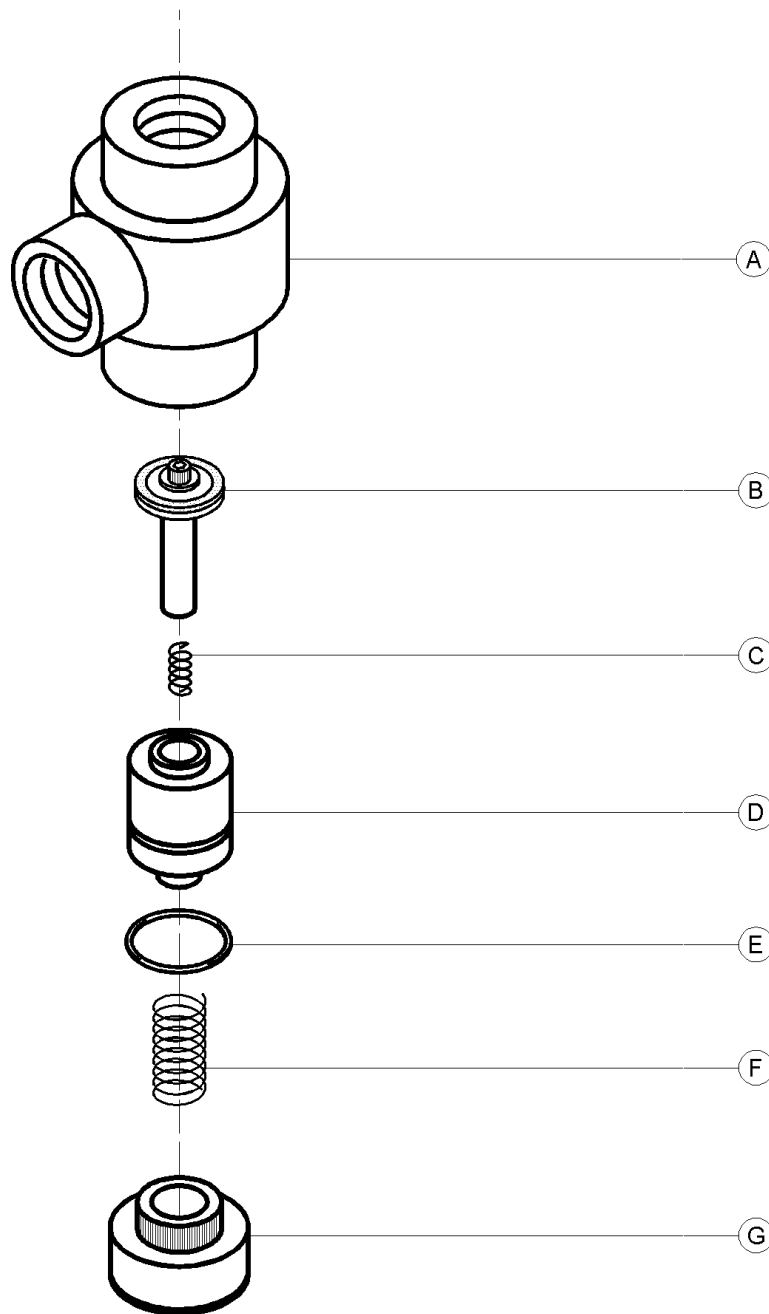
## Coolers



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| ITEM | COMM. NO. | DESCRIPTION                      | QTY | DIMENSIONS/NOTES     |
|------|-----------|----------------------------------|-----|----------------------|
| N    | 35225093  | Clamp, 1/2" Rubber Support       | 2   | <b>....Continued</b> |
| P    | 22897623  | Pipe, Charge Air Cooler / Engine | 1   |                      |
| Q    | 36769560  | Cap, Radiator                    | 1   |                      |
| R    | 22872691  | Cooler, Charge Air               | 1   |                      |
| S    | 22897615  | Pipe, Charge Air Cooler / Turbo  | 1   |                      |
| T    | 22189310  | Reducer                          | 2   |                      |
| U    | 22144513  | Clamp, Spring-Loaded 3"          | 2   |                      |
| V    | 22189302  | Clamp, Spring-Loaded 2.25"       | 8   |                      |
| W    | 22174742  | Pipe, Charge Air Cooler Vertical | 1   |                      |
| X    | 22177265  | Connector, Flexible              | 3   |                      |

## Minimum Pressure Valve

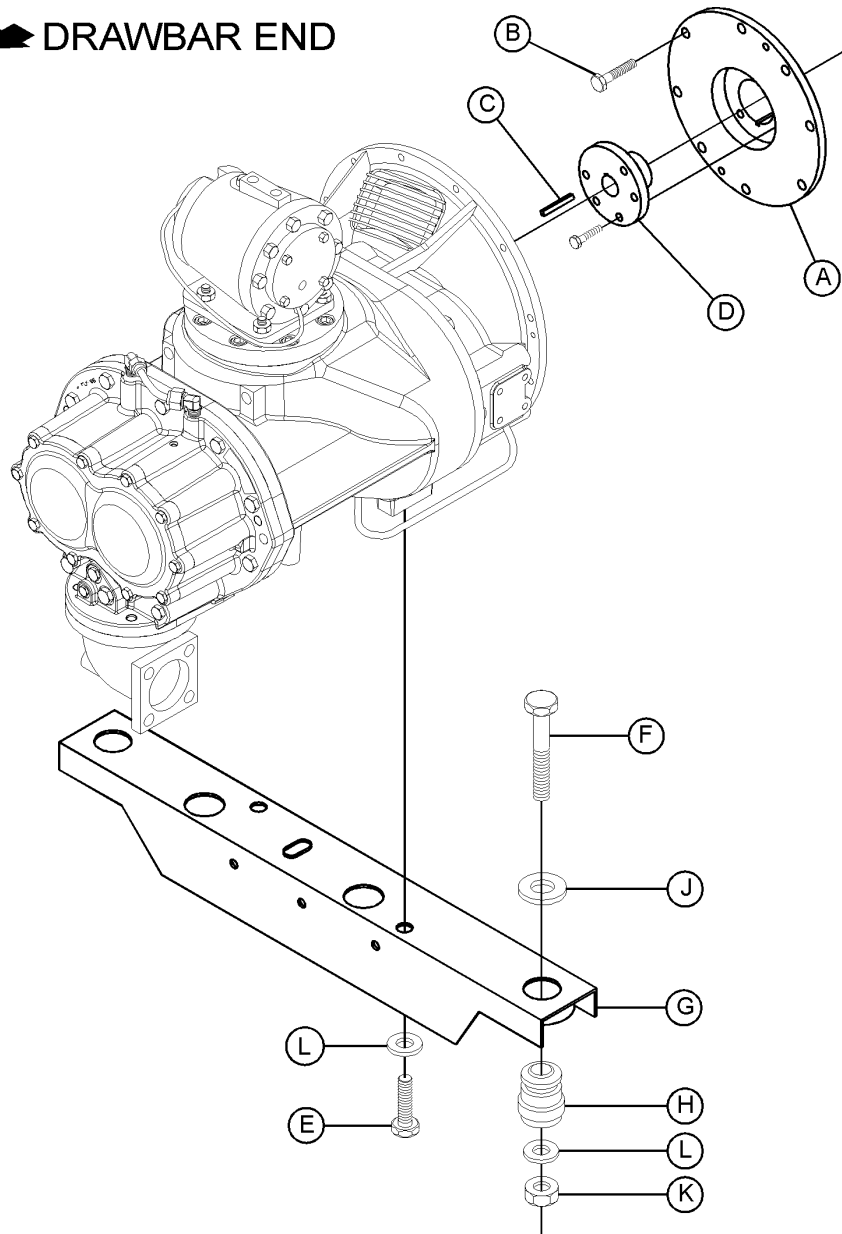


23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| A    | 22146625  | Body, Minimum Pressure 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  | Minimum Pressure Valve Assembly |     |                  |

## Airend Coupling

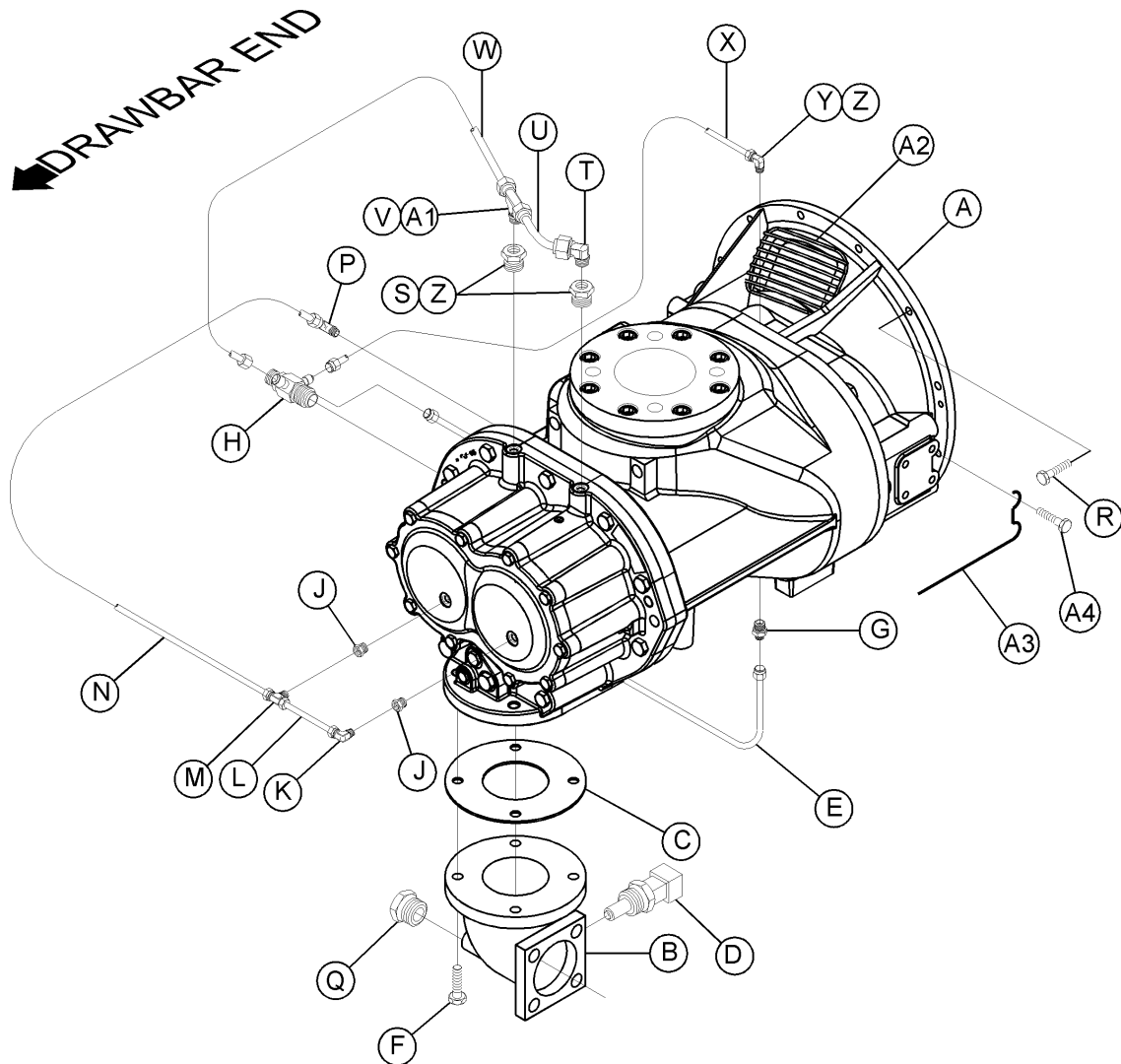
➡ DRAWBAR END



23209257\_11/07\_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 M16                | 4   |                  |

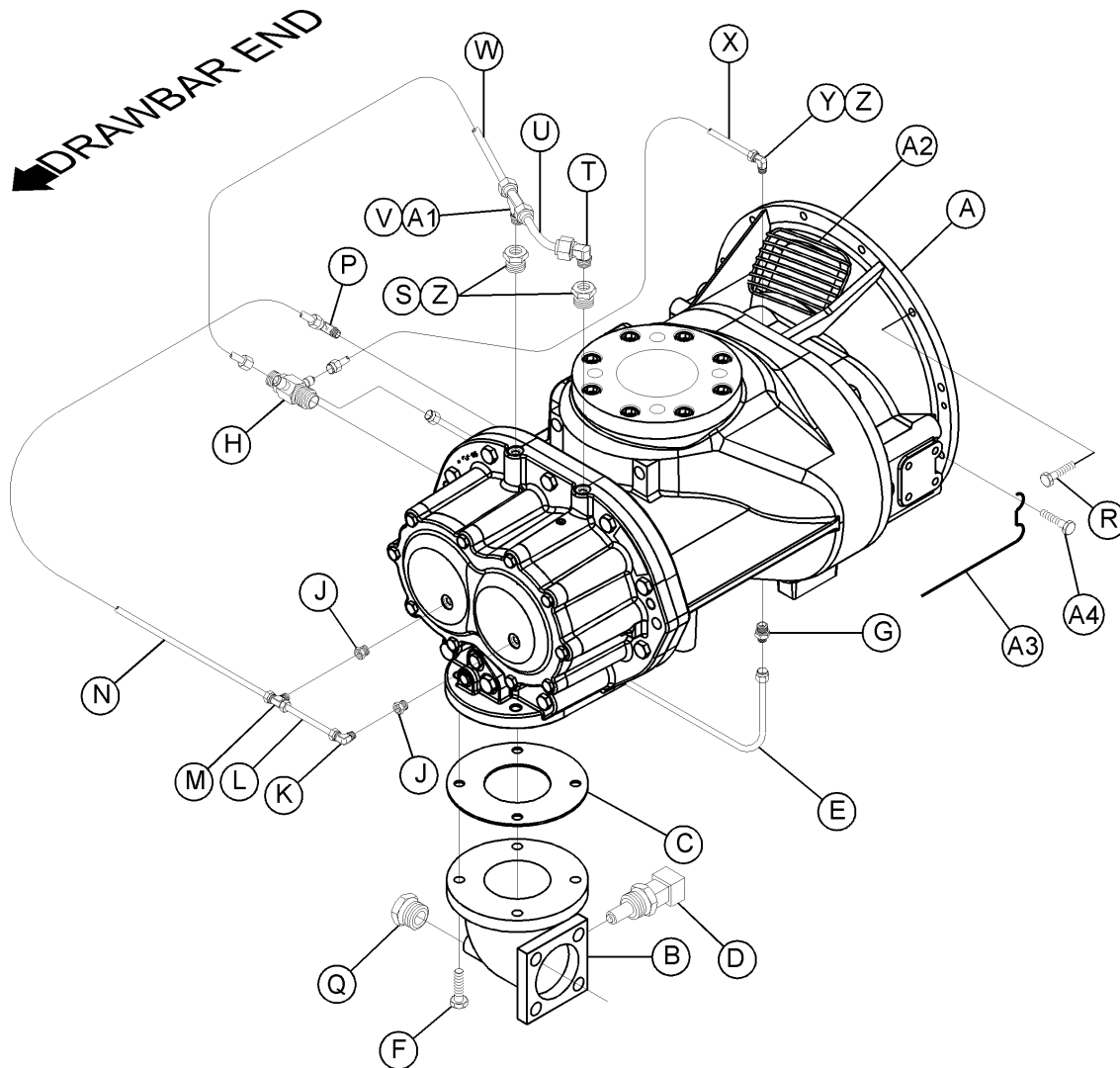
## Airend Piping



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES    |
|------|-----------|--------------------------------|-----|---------------------|
| A    | 36084184  | Airend Assembly                | 1   | P425                |
|      | 36084168  | Airend Assembly                | 1   | HP375, XP375        |
| B    | 22247340  | Elbow, Discharge               | 1   |                     |
| C    | 35575570  | Gasket                         | 1   |                     |
| D    | 36898922  | Sensor, Temperature            | 1   |                     |
| E    | 22189609  | Tube, Front Bearing Oil Supply | 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, 3/4 O-Ring X -10JIC | 2   |                     |
| K    | 35286491  | Elbow, 90° SAE 7/8-14 X -10JIC | 1   |                     |
| L    | 36846111  | Tube, Male Rear Scavenge       | 1   |                     |
| M    | 36846129  | Tee, Branch 7/8-14 X -10JIC    | 1   |                     |
| N    | 36846103  | Tube, Bearing Oil Scavenge     | 1   |                     |
|      |           |                                |     | <b>Continued...</b> |

## Airend Piping

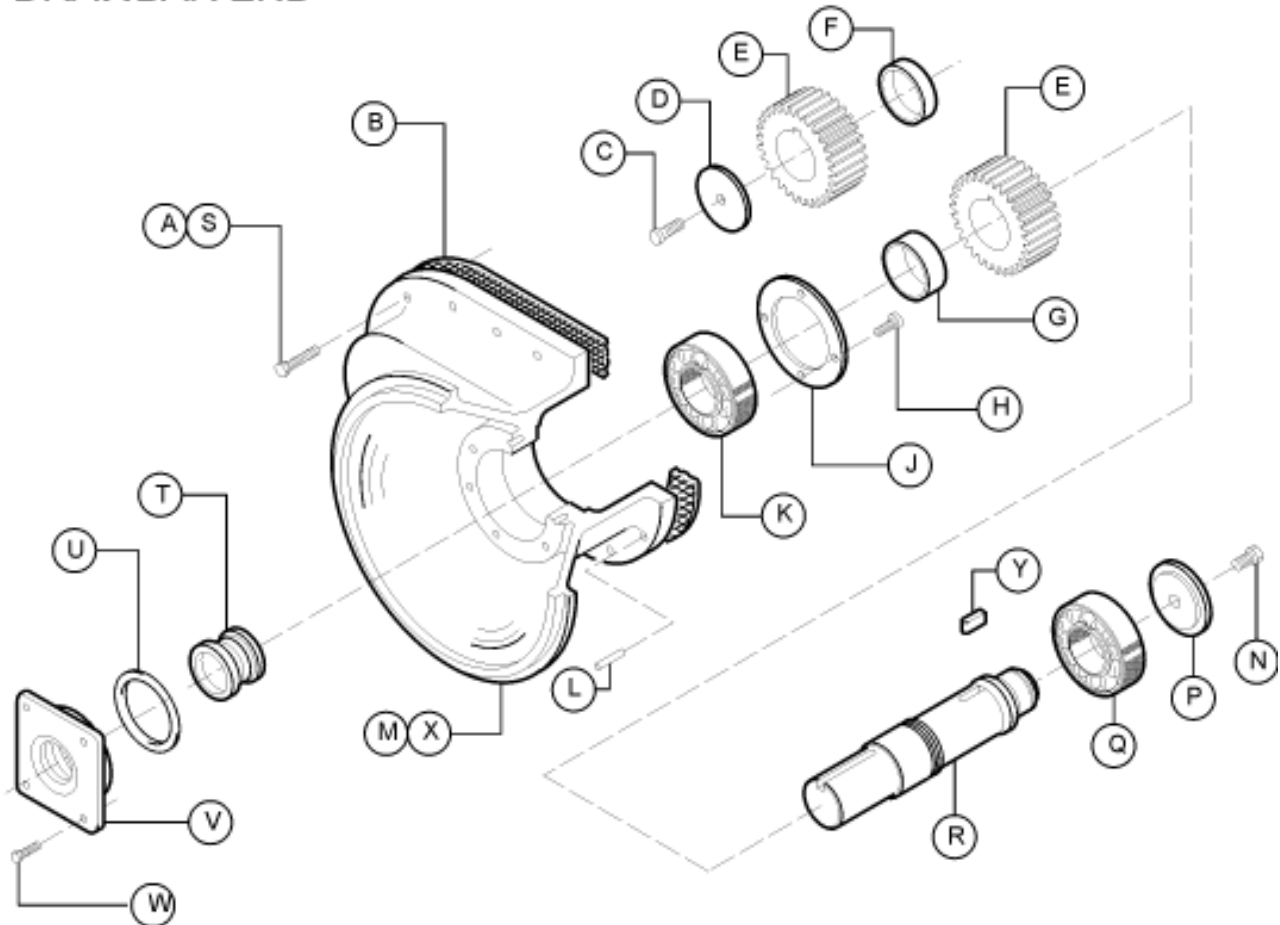


23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                       | QTY | DIMENSIONS/NOTES                                                        |
|------|-----------|-----------------------------------|-----|-------------------------------------------------------------------------|
| P    | 35305622  | Elbow, 90° SAE 3/4-16 X -10JIC    | 1   | <b>....Continued</b><br><br>Included w/ Item S, Y<br>Included w/ Item V |
| Q    | 95949491  | Plug, 3/4-16 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, 90° 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, 45° SAE 7/16-20 X -4JIC    | 1   |                                                                         |
| Z    | 35279959  | O-Ring                            | AR  |                                                                         |
| A1   | 35278571  | O-Ring                            | AR  |                                                                         |
| A2   | 36798346  | Guard, Gear Case                  | 2   |                                                                         |
| A3   | 22983001  | Support, Wire Harness             | 1   |                                                                         |
| A4   | 36879492  | Screw, Hex Flange M12-1.75 X 25   | 2   |                                                                         |

# Alirend Gear Case

**DRAWBAR END**

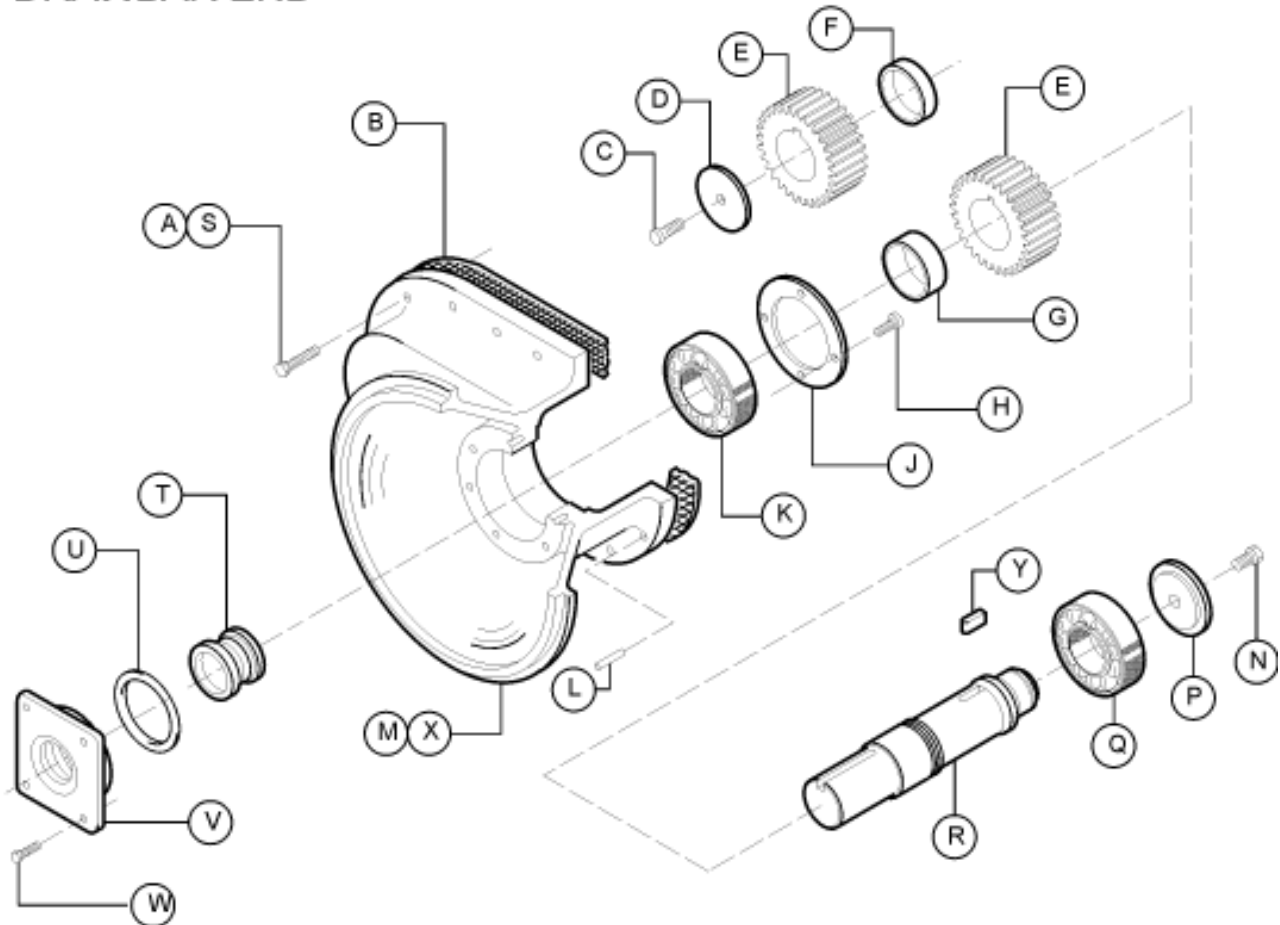


23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                          | QTY | DIMENSIONS/NOTES     |
|------|-----------|--------------------------------------|-----|----------------------|
| A    | 96716162  | Screw, Socket Head M16-2.0 X 40      | 8   | P425<br>HP375, XP375 |
| B    | 39437637  | Gasket                               | 1   |                      |
| C    | 35108372  | Screw, Hex Head 1/2-13 X 1.25"       | 1   |                      |
| D    | 35255827  | Plate, Clamp                         | 1   |                      |
| E    | 22377949  | Gear Set                             | 1   |                      |
|      | 22378004  | Gear Set                             | 1   |                      |
| F    | 35262716  | Spacer                               | 1   |                      |
| G    | 35327626  | Spacer, Bearing                      | 1   |                      |
| H    | 35327550  | Screw, Socket Head Cap M08-1.25 X 70 | 4   |                      |
| J    | 35326602  | Plate, Retaining                     | 1   |                      |
| K    | 35327543  | Bearing, Ball                        | 1   |                      |
| L    | 95078549  | Pin, Dowel 1/2" X 1.25"              | 2   |                      |
|      |           |                                      |     |                      |
|      |           |                                      |     |                      |
|      |           |                                      |     | <b>Continued...</b>  |

## Alirend Gear Case

**➡ DRAWBAR END**

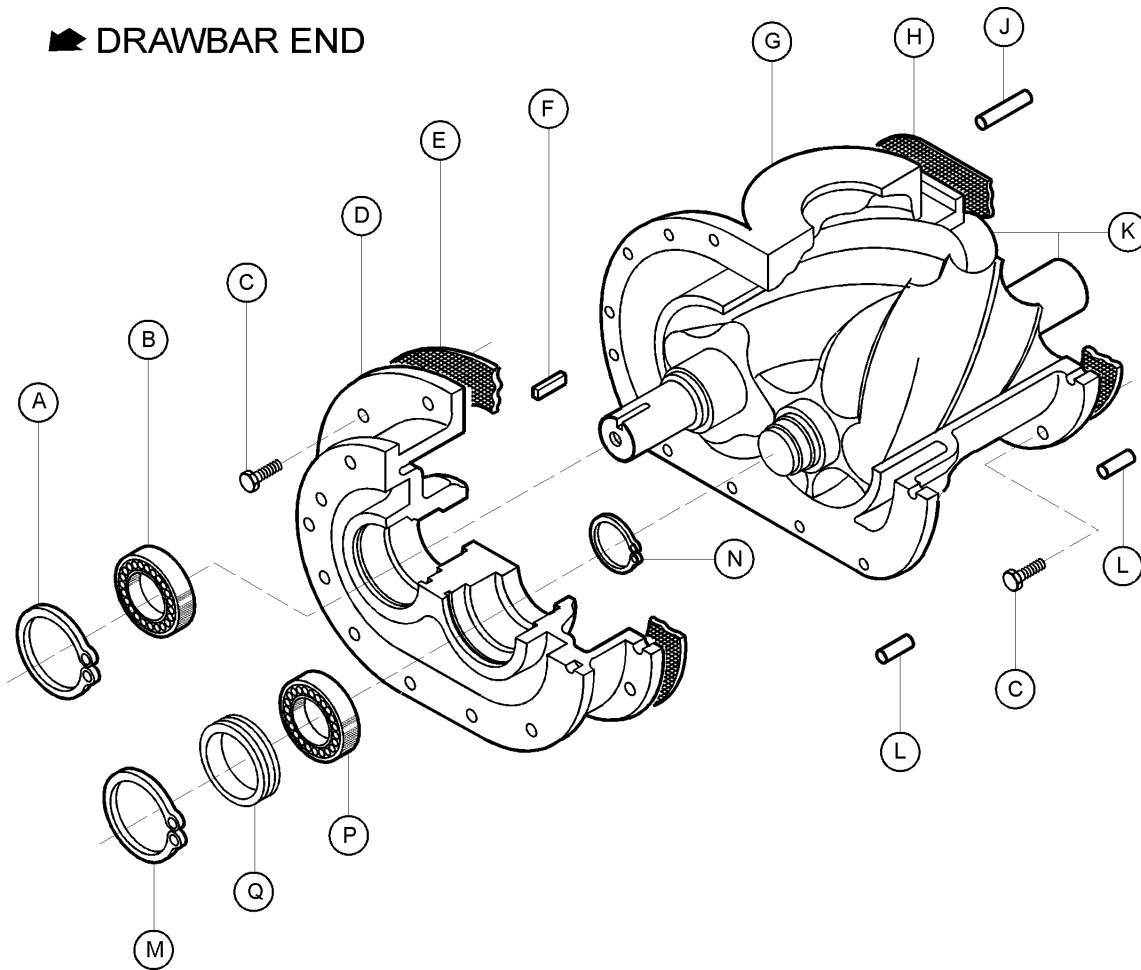


23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                         | QTY | DIMENSIONS/NOTES     |
|------|-----------|-------------------------------------|-----|----------------------|
| M    | 36723641  | Case, Gear                          | 1   | <b>....Continued</b> |
| N    | 35336304  | Screw, Socket Head Cap M10-1.5 X 25 | 1   |                      |
| P    | 36764785  | Cap, Guide                          | 1   |                      |
| Q    | 35313568  | Bearing, Cylindrical Roller         | 1   |                      |
| R    | 36764827  | Shaft, Drive                        | 1   |                      |
| S    | 96704036  | Screw, Hex Head M16-2.0 X 140       | 4   |                      |
| T    | 35593490  | Seal, Oil                           | 1   |                      |
| U    | 95358024  | O-Ring                              | 1   |                      |
| V    | 35328475  | Cover, Oil Seal                     | 1   |                      |
| W    | 96702295  | Screw, Hex Head M10-1.50 X 25       | 4   |                      |
| X    | 36798346  | Guard, Gear Case                    | 2   |                      |
| Y    | 35329192  | Key                                 | 1   |                      |

## Airend Rotor Housing

➤ DRAWBAR END

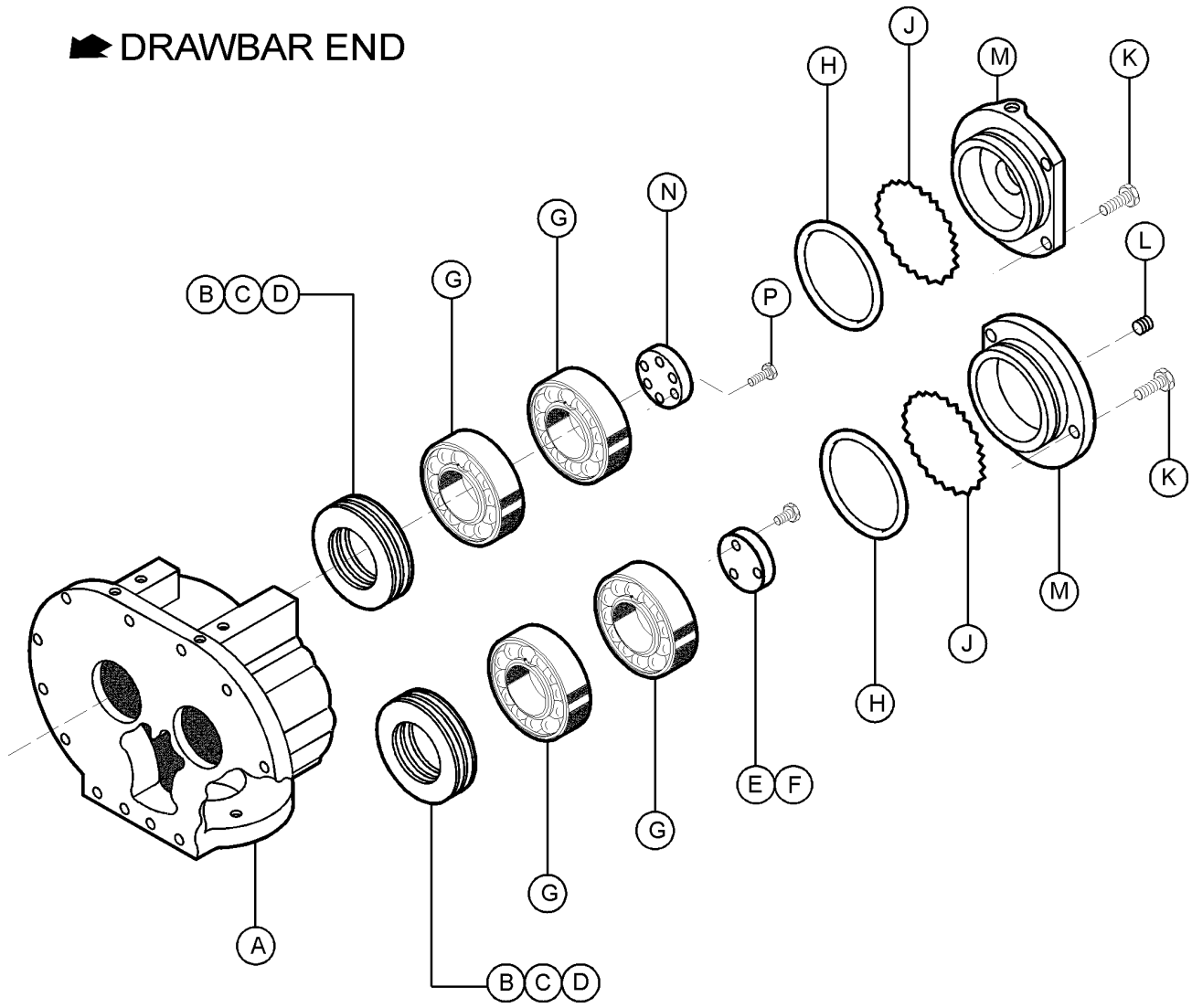


23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| A    | 95223194  | Ring, Snap                      | 1   |                  |
| B    | 35313535  | Bearing, Cylindrical Roller     | 1   |                  |
| C    | 96716162  | Screw, Socket Head M16-2.0 X 40 | 25  |                  |
| D    | 39703921  | Housing, Front Bearing          | 1   |                  |
| E    | 35518497  | Gasket, Front Bearing Housing   | 1   |                  |
| F    | 95381109  | Key, 3/8" Square                | 1   |                  |
| G    | 39748942  | Housing, Rotor                  | 1   |                  |
| H    | 39437629  | Gasket, Rear Bearing Housing    | 1   |                  |
| J    | 95239927  | Pin, Dowel 1/2" X 1.5"          | 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   |                  |

## Alirend Rear Bearing Housing

➡ DRAWBAR END

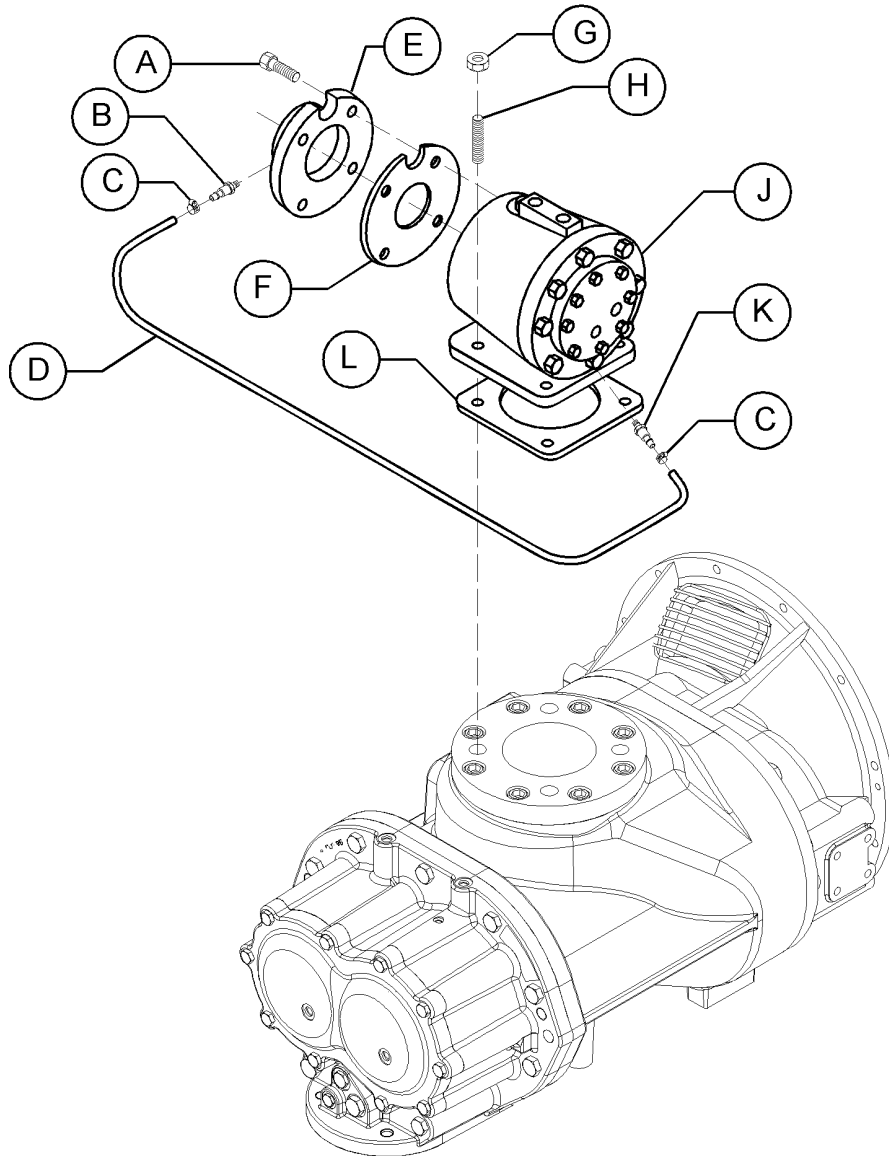


23209257\_11/07\_A

| 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 Head 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 Head M12-1.75 X 30              | 6   |                  |
| L    | 95938205  | Plug                                       | 1   |                  |
| M    | 36500832  | Cover, Rear Bearing                        | 2   |                  |
| N    | 39435441  | Plate, Clamp                               | 1   |                  |
| P    | 95494167  | Screw, Hex Socket Head Cap 5/16-18 X 1.25" | 8   |                  |
| Q    | 30346662  | Washer, Copper                             | 4   |                  |

## Unloader Mount

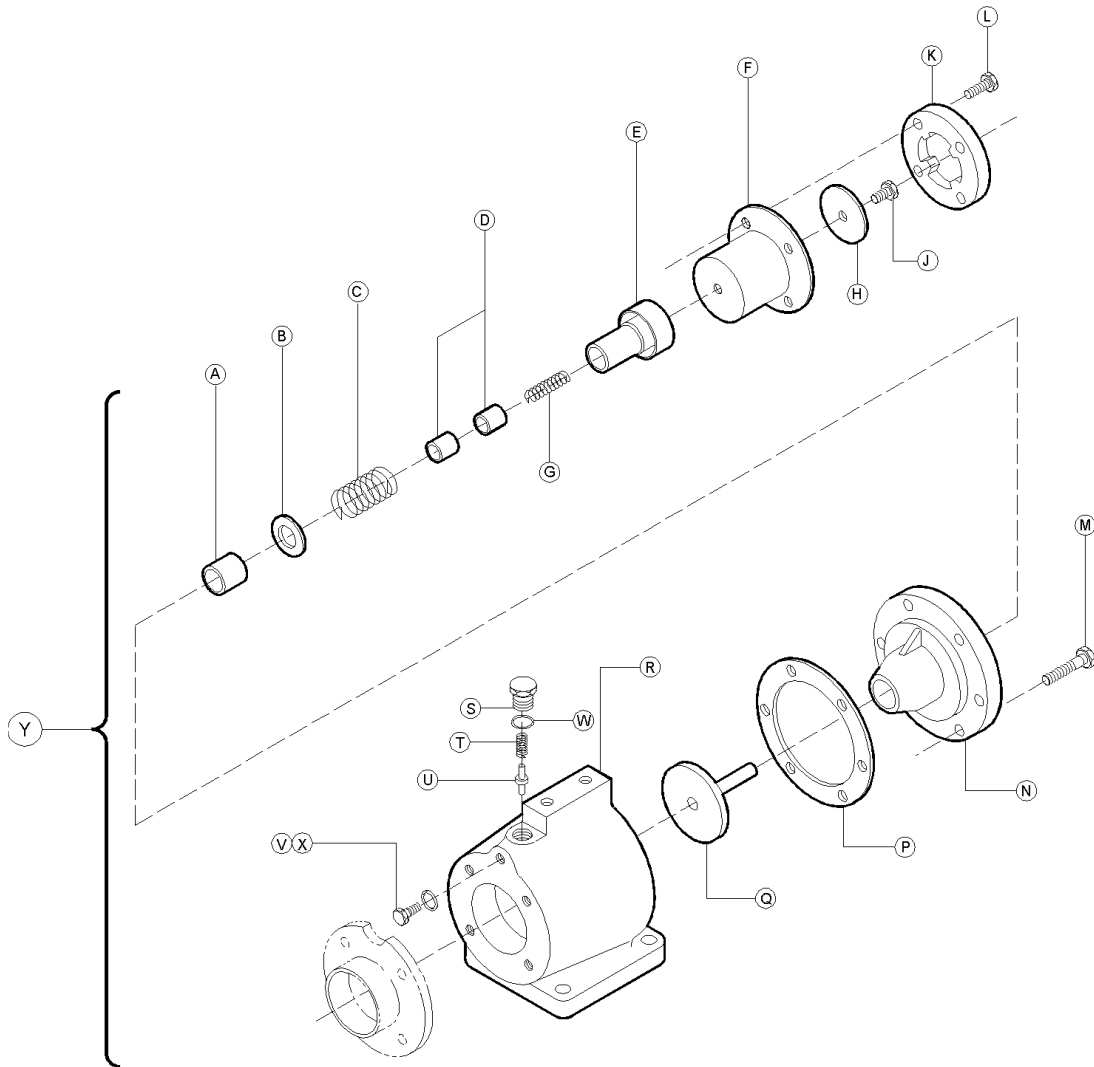
➡ **DRAWBAR END**



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                   | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------|-----|------------------|
| A    | 96702816  | Screw, Hex Head 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 1/8" ID         | 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 Assembly, Unloader      | 1   |                  |
| K    | 35323542  | Adapter, Unloader             | 1   |                  |
| L    | 35589589  | Gasket, Unloader to Airend    | 1   |                  |

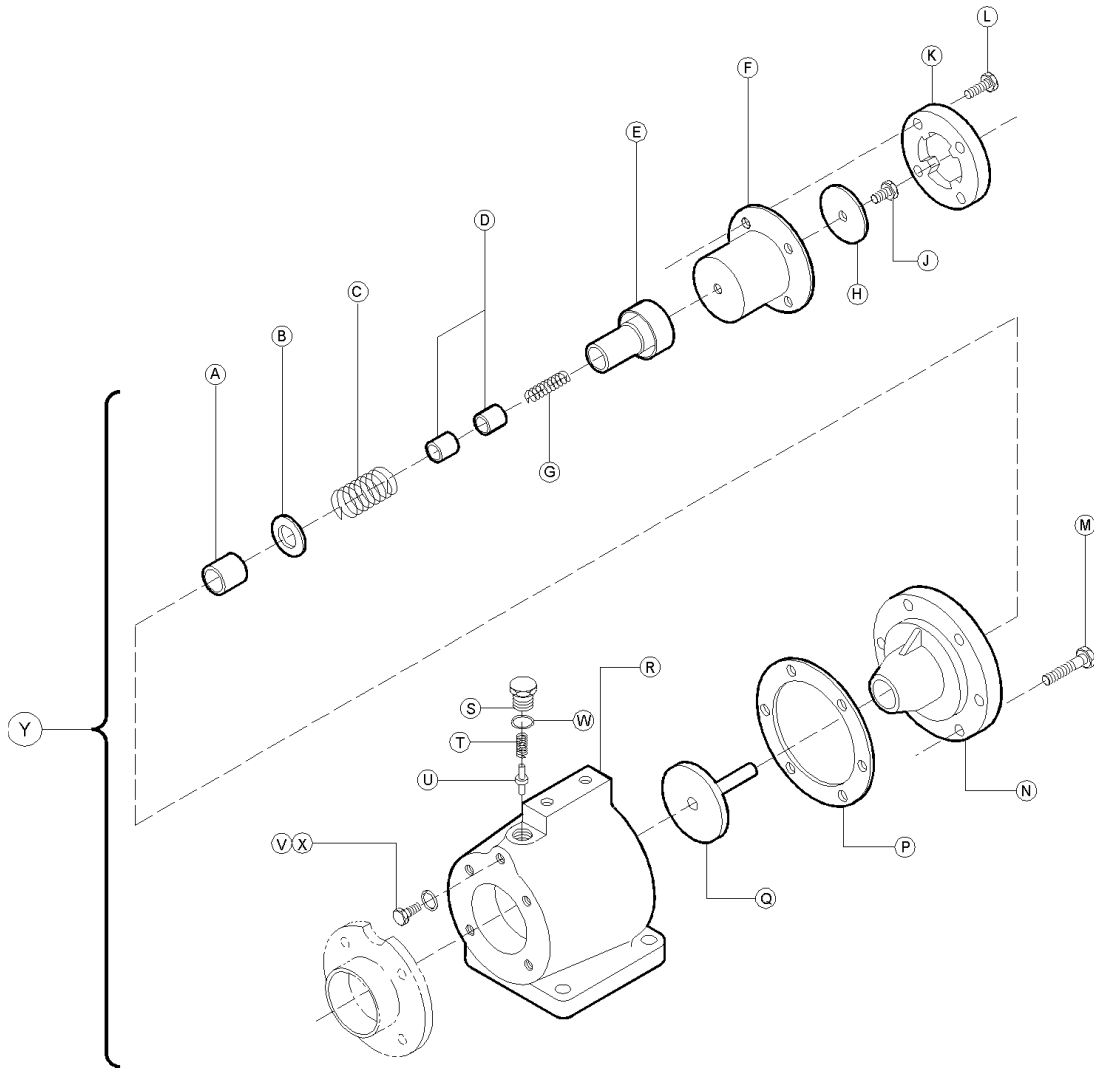
## Unloader Assembly



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                                | QTY | DIMENSIONS/NOTES    |
|------|-----------|--------------------------------------------|-----|---------------------|
| A    | 35318013  | Bushing, Housing                           | 1   | <b>Continued...</b> |
| B    | 35317205  | Washer, Piston 43mm                        | 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 64mm                        | 1   |                     |
| J    | 35321595  | Screw, Button Head Socket 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   |                     |

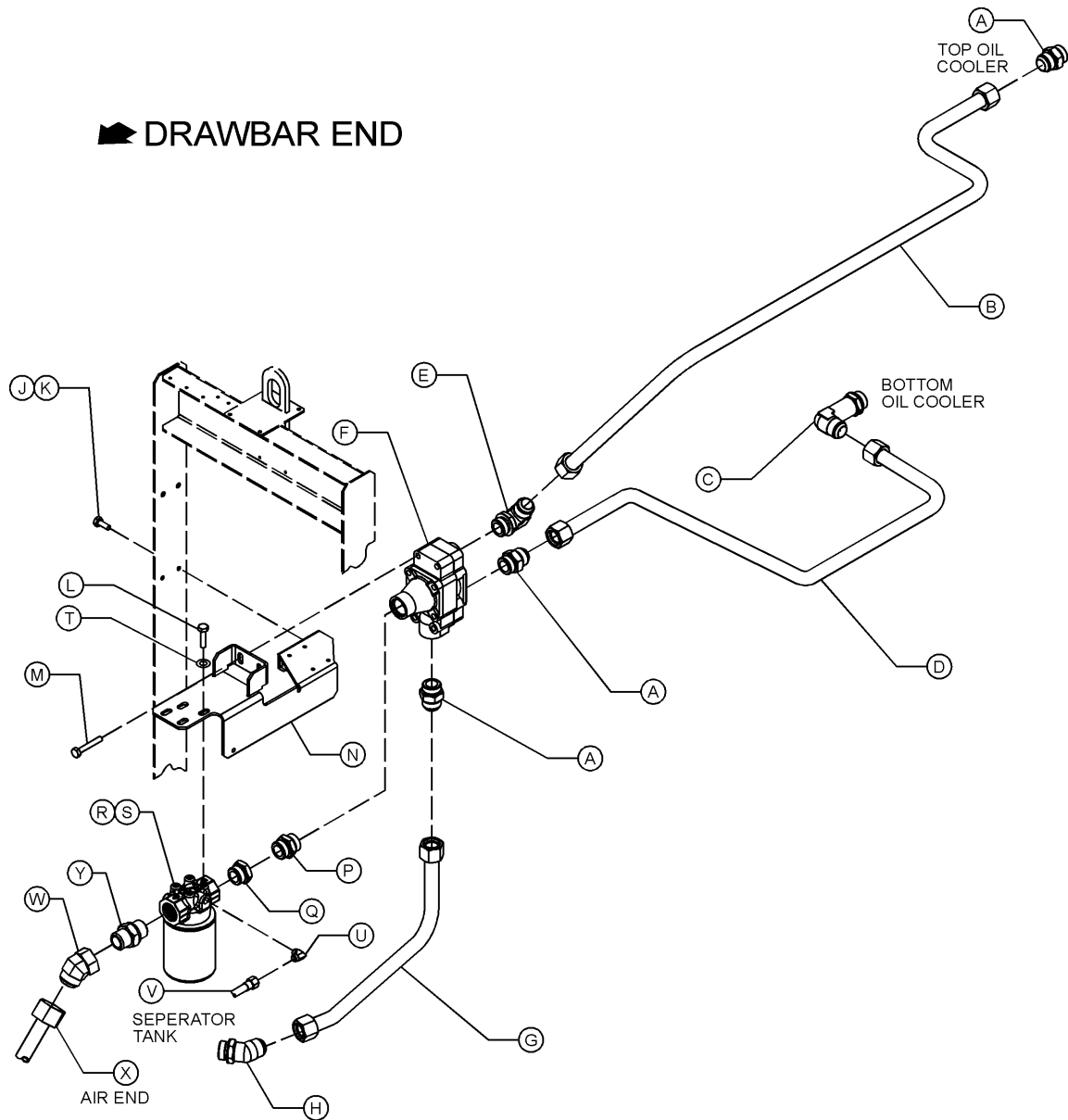
## Unloader Assembly (cont'd)



23209257\_11/07\_A

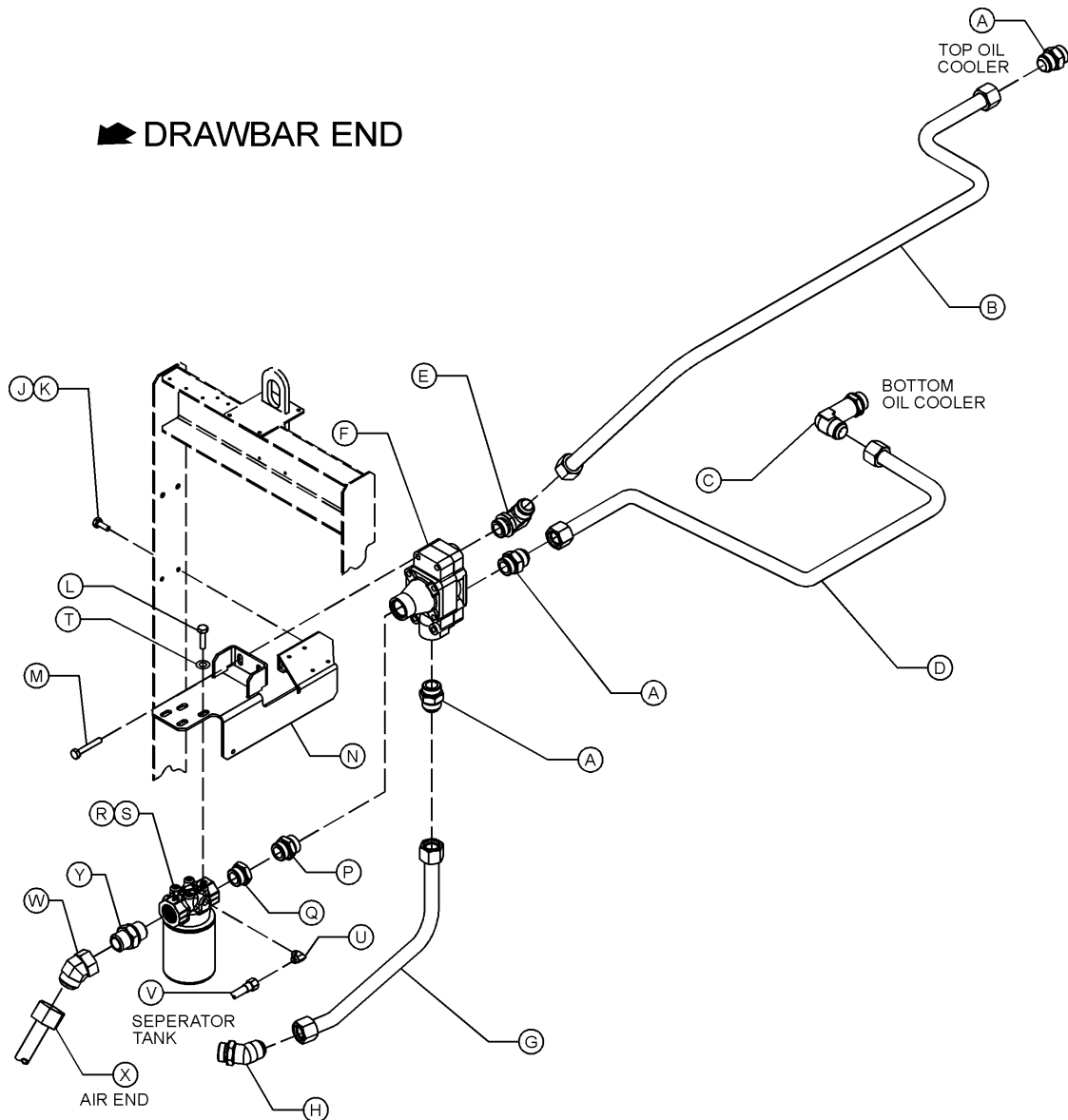
| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES         |
|------|-----------|--------------------------|-----|--------------------------|
| N    | 35833227  | Housing, Piston          | 1   | .... <i>Continued</i>    |
| P    | 35588300  | Gasket, Piston           | 1   |                          |
| Q    | 35591122  | Valve, Unloader          | 1   |                          |
| R    | 36718427  | Body, Unloader           | 1   |                          |
| S    | 35278555  | Plug, Hex Head           | 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  | Valve Assembly, Unloader | 1   | Includes all items above |

## OTBV / Oil Filter Mounting



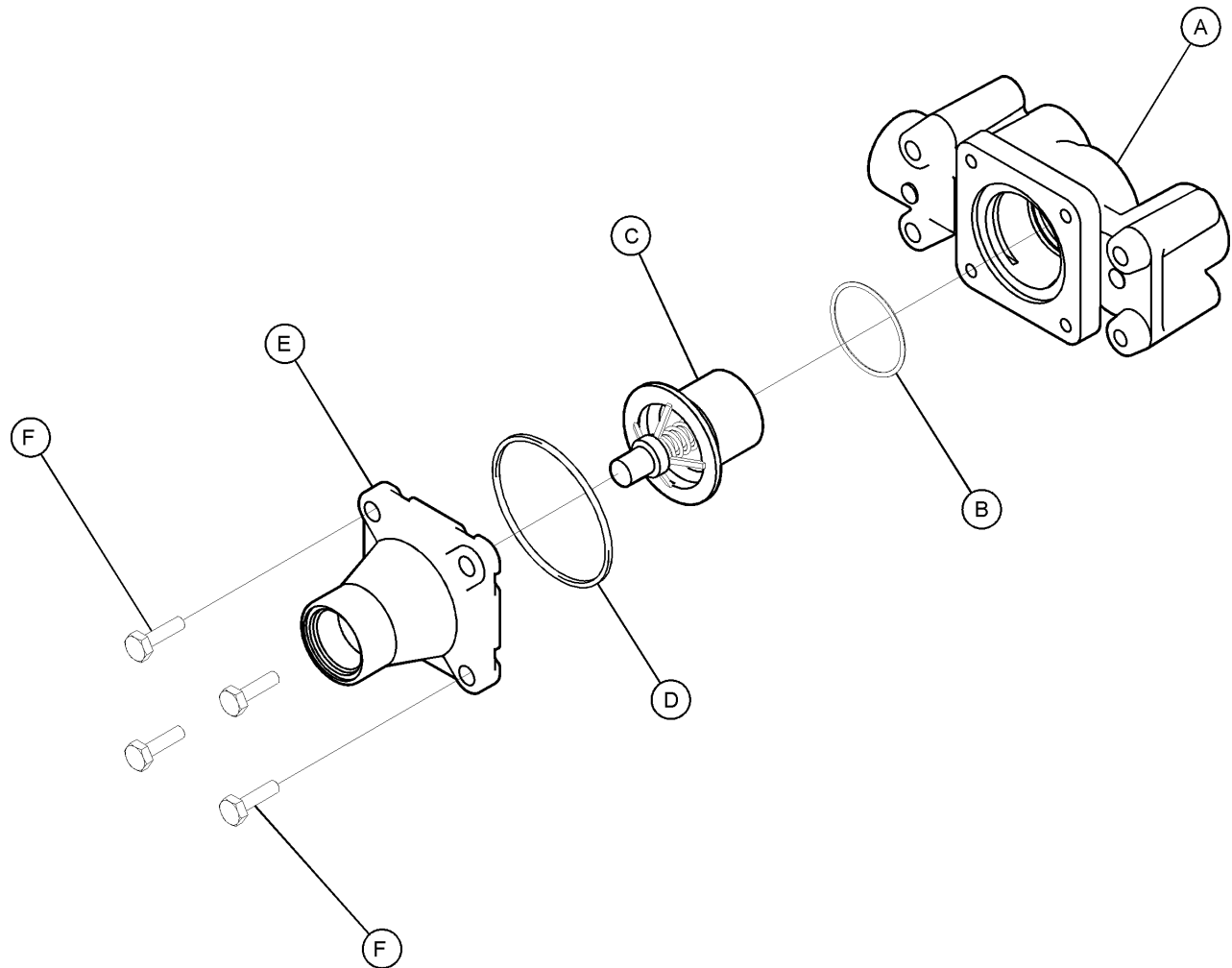
| ITEM | COMM. NO. | DESCRIPTION                            | QTY | DIMENSIONS/NOTES    |
|------|-----------|----------------------------------------|-----|---------------------|
| A    | 95955993  | Connector, 1.31-12 SAE to 1.31-12 Tube | 3   | <b>Continued...</b> |
| B    | 22915284  | Tube, Top Oil Cooler                   | 1   |                     |
| C    | 95992848  | Elbow, 90° Long 1.31-12 SAE            | 1   |                     |
| D    | 22915292  | Tube, OTBV to Oil Cooler               | 1   |                     |
| E    | 95938171  | Elbow, 90° X 1.31-12 SAE               | 1   |                     |
| F    | 23137953  | OTBV Assembly, 1-5/16" SAE             | 1   |                     |
| G    | 35227909  | Hose, -16 X 25"                        | 1   |                     |
| H    | 95992632  | Elbow, 45° X 1.31-21 SAE               | 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



| ITEM | COMM. NO. | DESCRIPTION                               | QTY | DIMENSIONS/NOTES     |
|------|-----------|-------------------------------------------|-----|----------------------|
| M    | 35288422  | Screw, Hex M08-1.25 X 80                  | 2   | <b>....Continued</b> |
| N    | 22915276  | Support, Oil Filter                       | 1   |                      |
| P    | 95954921  | Union, Straight 1.31-12 SAE               | 1   |                      |
| Q    | 95954913  | Reducer, 1.62-12 SAE X 1.31-12 Female SAE | 1   |                      |
| R    | 36897437  | Head, Oil Filter                          | 1   |                      |
| S    | 36897346  | Element, Oil Filter                       | 1   |                      |
| T    | 95935037  | Washer, Flat                              | 2   |                      |
| U    | 95365094  | Elbow, 90° 9/16-18 X -4 JIC               | 1   |                      |
| V    | 35315407  | Hose Assembly, -4 JIC X 24"               | 1   |                      |
| W    | 35307206  | Elbow, 45° Swivel -16 JIC X 1" Tube       | 1   |                      |
| X    | 35260371  | Hose Assembly, -16 JIC X 16.5"            | 1   |                      |
| Y    | 35292069  | Connector, 1.62-12 X -16JIC               | 1   |                      |

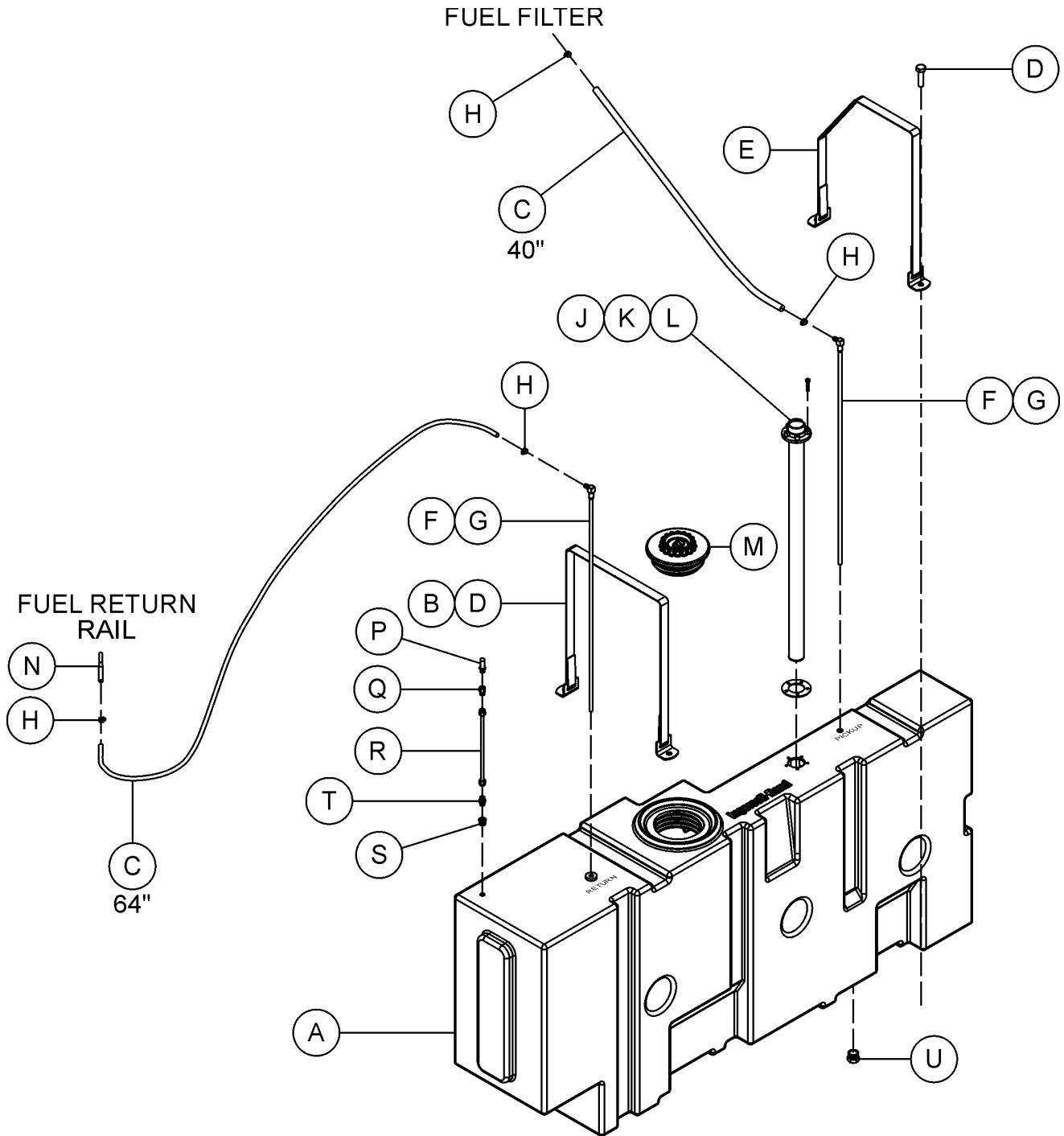
## Oil Temperature Bypass Valve



23209257\_11/07\_A

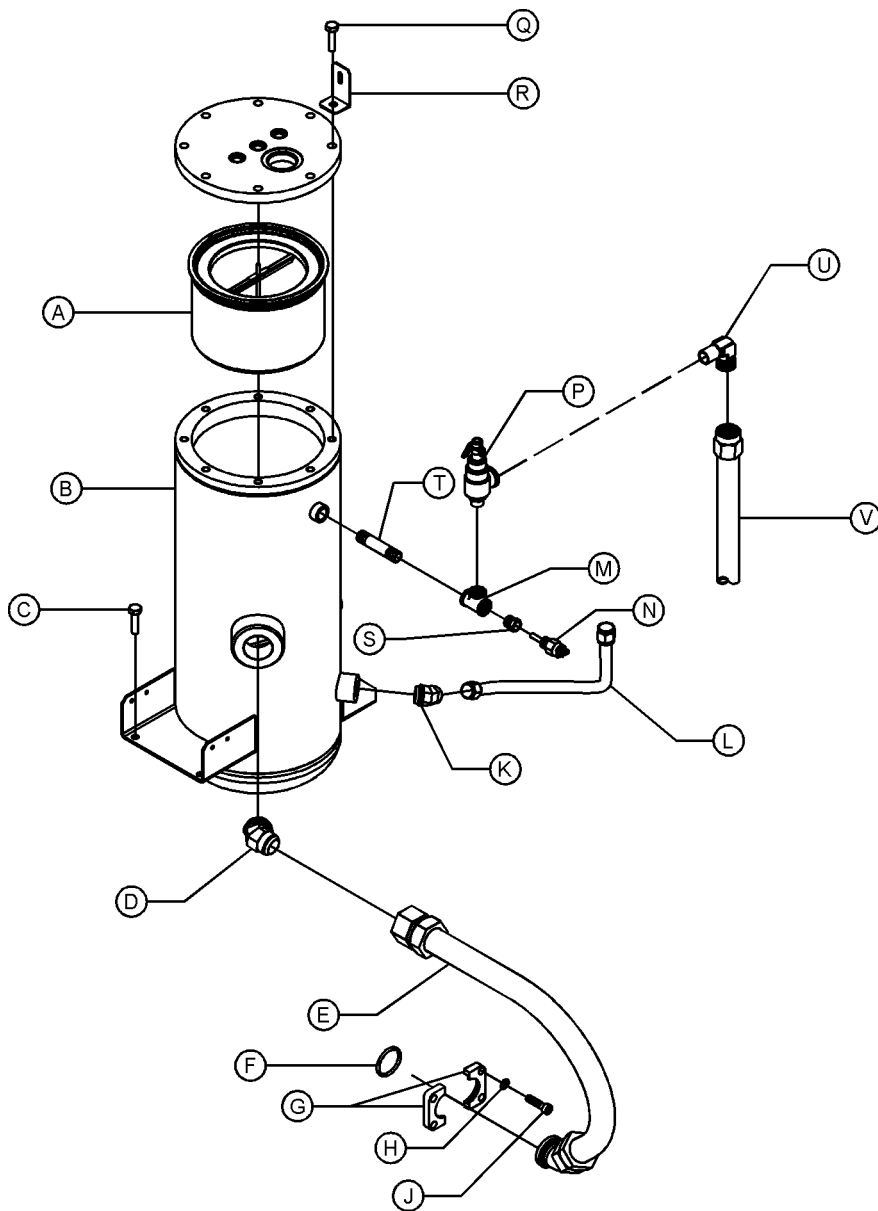
| ITEM | COMM. NO. | DESCRIPTION              | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------|-----|------------------|
| A    | 23137821  | Housing, OTBV            | 1   |                  |
| B    | 36788172  | Seal, U-Type Viton       | 1   |                  |
| C    | 36782019  | Element, 125° -145° F    | 1   |                  |
| D    | 95022307  | O-Ring                   | 1   |                  |
| E    | 36876779  | Cover, OTBV              | 1   |                  |
| F    | 96702659  | Screw, Hex M08-1.25 X 25 | 4   |                  |

# Fuel Tank



| ITEM | COMM. NO. | DESCRIPTION                             | QTY | DIMENSIONS/NOTES      |
|------|-----------|-----------------------------------------|-----|-----------------------|
| A    | 54633938  | Tank, Fuel                              | 1   |                       |
| B    | 54720727  | Strap, Fuel Tank                        | 1   | Prior to S/N 415418   |
|      | 22519813  | Strap, Fuel Tank                        | 1   | Begin with S/N 415418 |
| C    | 35363498  | Hose, .5/16" Fuel                       | ~   | See Lengths Above     |
| D    | 35271170  | Screw, Tapping M08-1.25 X 40            | 4   |                       |
| E    | 54721170  | Strap, Fuel Tank                        | 1   | Prior to S/N 415418   |
|      | 22519821  | Strap, Fuel Tank                        | 1   | Begin with S/N 415418 |
| F    | 54675863  | Standpipe Assembly                      | 2   | Included w/ Item A    |
| G    | 35384577  | Bushing, Nitrile                        | 2   | Included w/ Item A    |
| H    | 35296342  | Clamp, Worm Gear                        | 4   |                       |
| J    | 54731427  | Sender, Fuel Level                      | 1   |                       |
| K    | 35361849  | Gasket, Fuel Sender                     | 1   |                       |
| L    | 95916532  | Screw, Fillister Head #10-32 X 1/2"     | 5   |                       |
| M    | 54660089  | Cap, Fuel                               | 1   |                       |
| N    | 36895977  | Reducer, Fuel Line 5/16" X 1/4"         | 1   |                       |
| P    | 35322395  | Silencer, Pneumatic 1/4" NPT            | 1   |                       |
| Q    | 35369339  | Connector, Female 1/4" NPTF X 3/8" Tube | 1   |                       |
| R    | 35356484  | Tubing, 3/8" OD Synflex                 | 8.5 |                       |
| S    | 95940748  | Bushing, Reducing 3/8" NPT X 1/4" NPT   | 1   |                       |
| T    | 35369347  | Connector, Male 1/4" NPTF X 3/8" Tube   | 1   |                       |
| U    | 95280541  | Plug, Hex 1.06-12 SAE                   | 1   |                       |

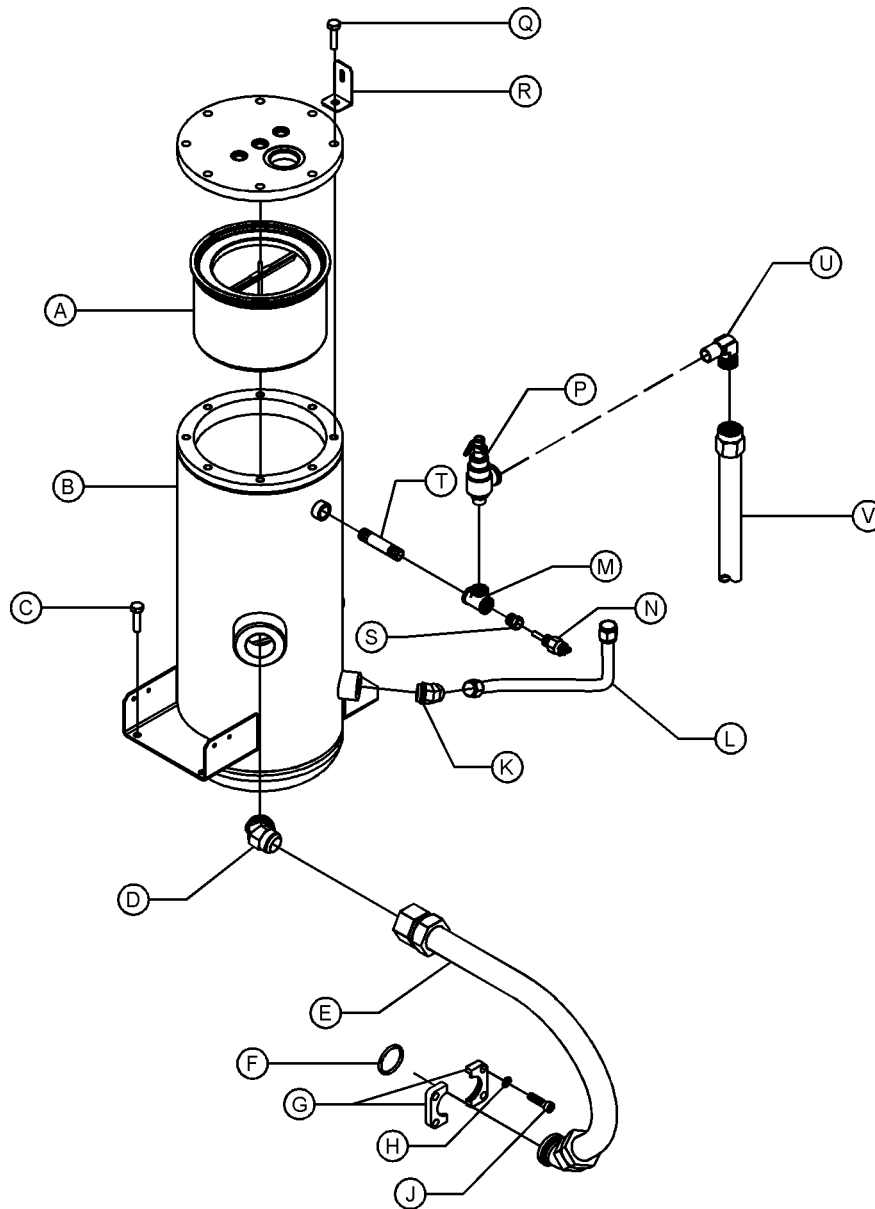
## Separator Tank Mount



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES    |
|------|-----------|---------------------------------|-----|---------------------|
| A    | 22111975  | Element, Separator              | 1   | <i>Continued...</i> |
| B    | 22950406  | Tank, Separator                 | 1   |                     |
| C    | 36888055  | Screw, Hex Flange M12-1.75 X 30 | 4   |                     |
| D    | 95944732  | Elbow, 45° 2.50-12 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    | 95992632  | Elbow, 45° X 1.31-21 SAE        | 1   |                     |
| L    | 35227909  | Hose, -16 X 25"                 | 1   |                     |

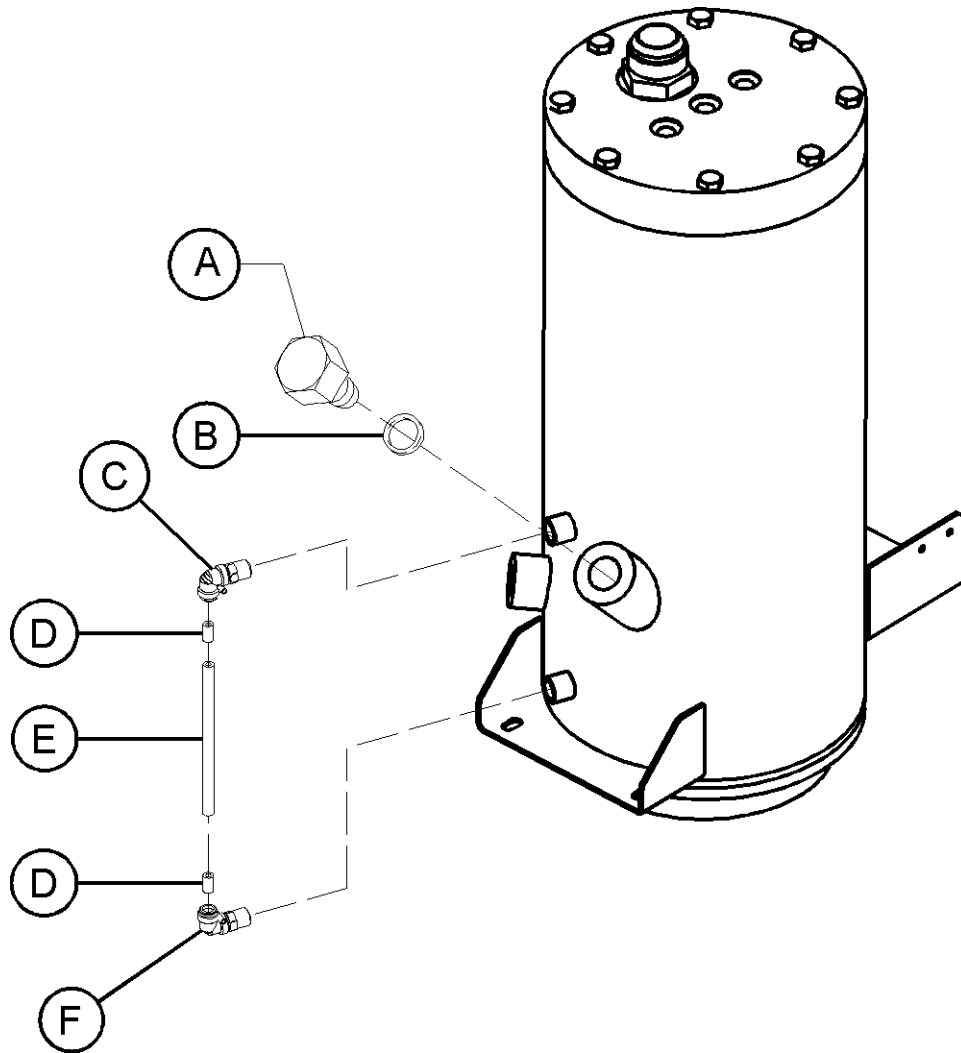
## Separator Tank Mount



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                           | QTY | DIMENSIONS/NOTES      |
|------|-----------|---------------------------------------|-----|-----------------------|
|      |           |                                       |     | <b>....Continued</b>  |
| M    | 95954210  | Tee, 3/4" NPT                         | 1   |                       |
| N    | 36898922  | Sensor, Temperature                   | 1   |                       |
| P    | 54731435  | Valve, Safety 150 PSI                 | 1   | P425                  |
|      | 54731443  | Valve, Safety 200 PSI                 | 1   | HP375, XP375          |
| Q    | 96757557  | Screw, Hex Flange M16 X 60            | 8   | Prior to S/N 415418   |
|      | 46551912  | Screw, Hex Flange M16-2.0 X 60        | 8   | Begin with S/N 415418 |
| R    | 36785012  | Bracket, Separator Tank Lift          | 2   |                       |
| S    | 95952248  | Bushing, Reducing 1/2" NPT X 3/8" NPT | 1   |                       |
| T    | 95928040  | Nipple, Closed 3/4" NPT X 1.38"       | 1   |                       |
| U    | 95279410  | Elbow, 90° 1" NPT X -16 JIC           | 1   |                       |
| V    | 22060073  | Tube, Discharge                       | 1   |                       |

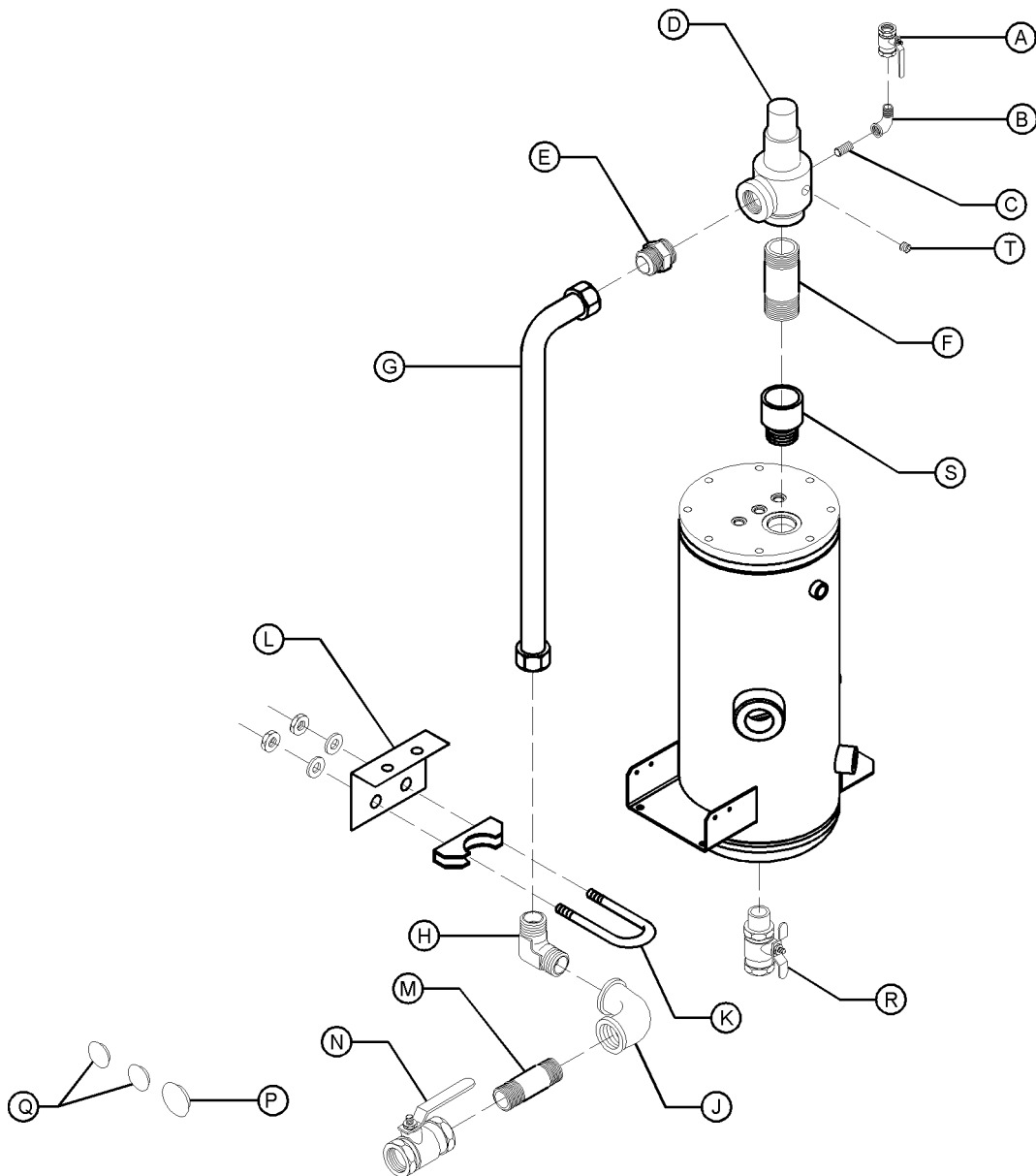
## Separator Tank Filler



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION               | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------|-----|------------------|
| A    | 35579630  | Plug, Hex 1.62-12"        | 1   |                  |
| B    | 35279942  | O-Ring                    | 1   |                  |
| C    | 22685481  | Elbow, Top Compression    | 1   |                  |
| D    | 22685507  | Insert, 1/4" Tube         | 2   |                  |
| E    | 22685523  | Tube, Sight               | 1   |                  |
| F    | 22685499  | Elbow, Bottom Compression | 1   |                  |

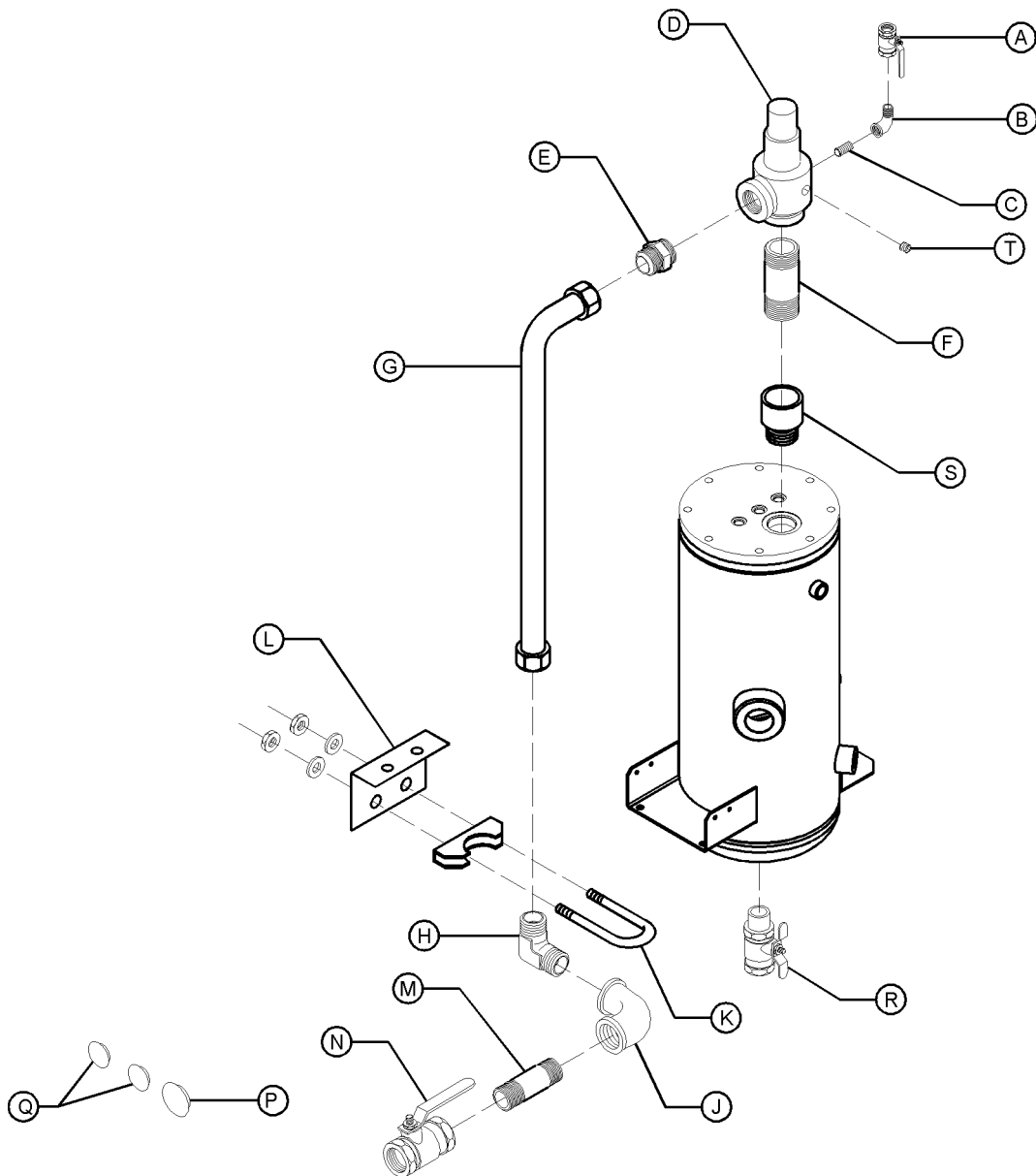
## Service Air



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                       | QTY | DIMENSIONS/NOTES    |
|------|-----------|-----------------------------------|-----|---------------------|
| A    | 35576115  | Valve, 3/4" NPT Ball              | 1   | <b>Continued...</b> |
| B    | 95928172  | Elbow, 90° 3/4" NPT Street        | 1   |                     |
| C    | 95928040  | Nipple, Closed 3/4" NPT X 1.38"   | 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, 90° 1.5" NPT X -24 JIC     | 1   |                     |
| J    | 95928024  | Elbow, 90° Reducing 1.50" X 1.25" | 1   |                     |
| K    | 35209048  | Clamp, Saddle                     | 1   |                     |
|      |           |                                   |     |                     |

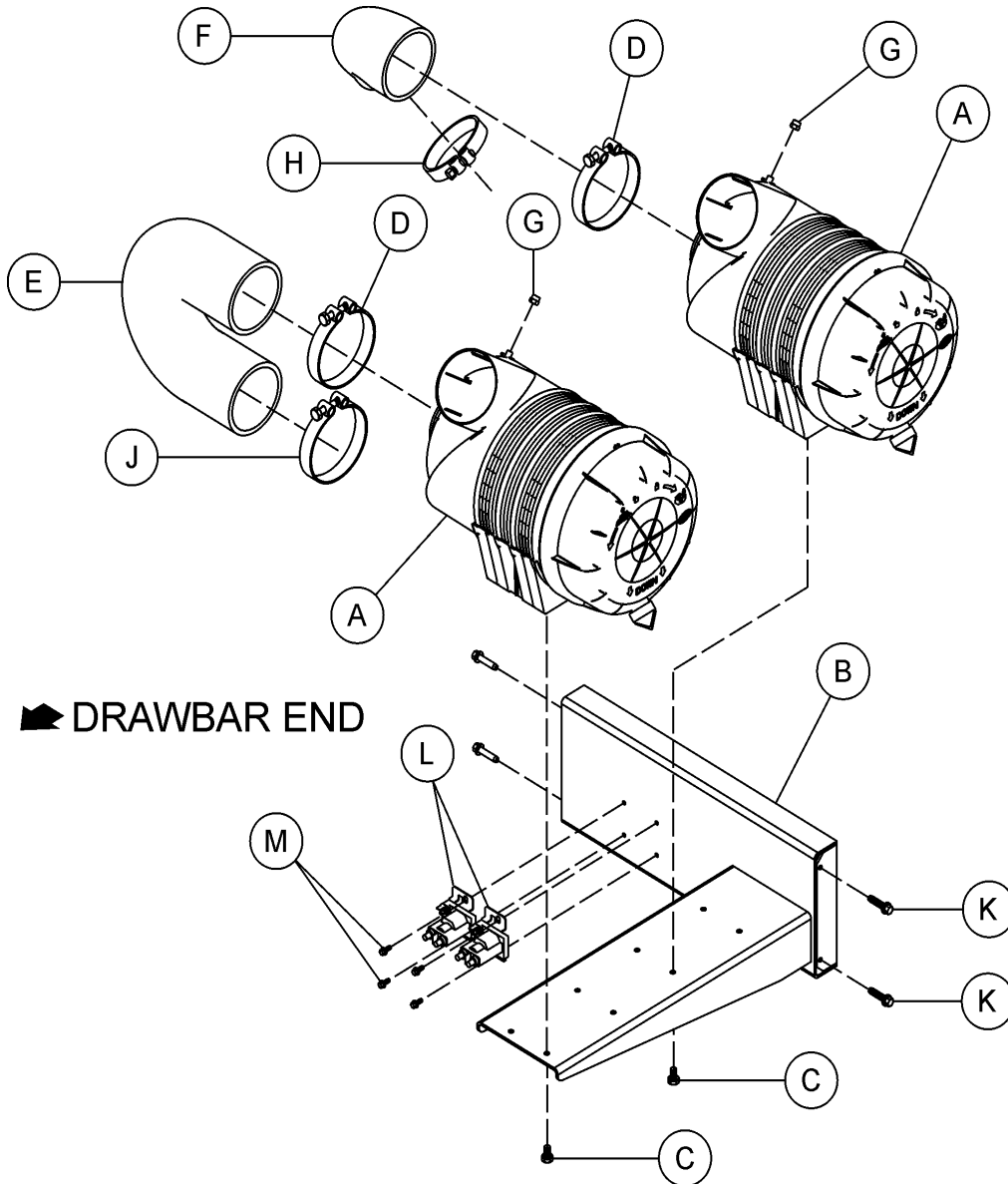
## Service Air



23209257\_11/07\_A

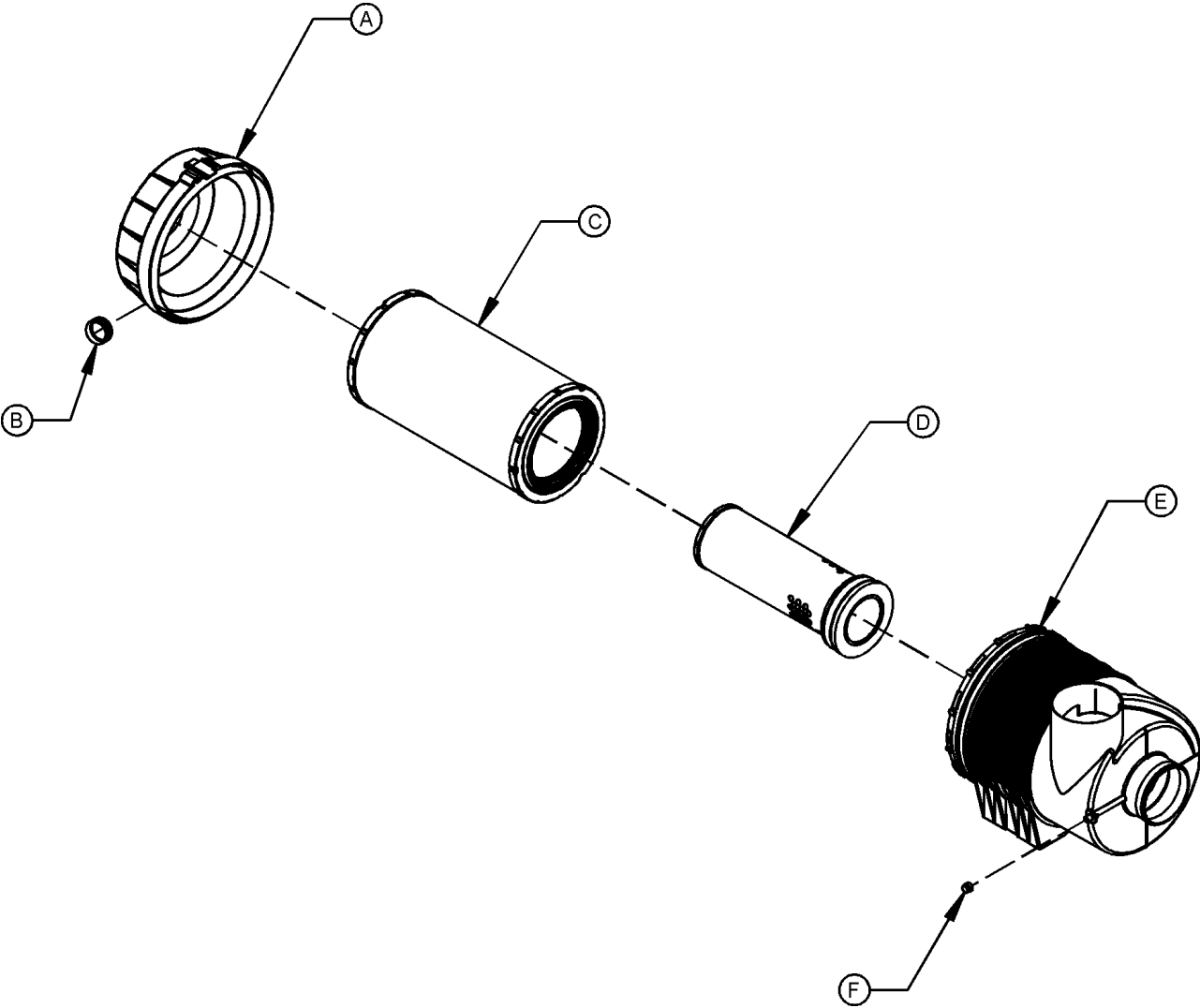
| ITEM | COMM. NO. | DESCRIPTION                         | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------------|-----|------------------|
| L    | 54761648  | Support, Service Pipe               | 1   | ....Continued    |
| M    | 95953758  | Nipple, Pipe 1.25 "NPT X 4.5"       | 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   |                  |

## Air Cleaner Mount



| ITEM | COMM. NO. | DESCRIPTION                   | QTY | DIMENSIONS/NOTES                             |
|------|-----------|-------------------------------|-----|----------------------------------------------|
| A    | 54661889  | Air Cleaner Assembly          | 2   | Prior to S/N 415418<br>Begin with S/N 415418 |
| B    | 22894703  | Support, Air Cleaner          | 1   |                                              |
| C    | 96702816  | Screw, Hex Head M08-1.25 X 16 | 8   |                                              |
| D    | 22067714  | Clamp, T-Bolt 5.31"           | 2   |                                              |
| E    | 22895460  | Hose, A/E Air Intake          | 1   |                                              |
| F    | 22895478  | Hose, Engine Air Intake       | 1   |                                              |
| G    | 35314939  | Indicator, Restriction        | 2   |                                              |
| H    | 35374073  | Clamp, T-Bolt 3.62"           | 1   |                                              |
|      | 36795219  | Clamp, T-Bolt 3.88"           | 1   |                                              |
| J    | 36897668  | Clamp, T-Bolt 4.75"           | 1   |                                              |
| K    | 35279025  | Screw, Tapping M08-1.25 X 20  | 4   |                                              |
| L    | 36853521  | Relay, 100 Amp                | 2   |                                              |
| M    | 36797652  | Screw, Tapping M06-1.0 X 12   | 4   |                                              |

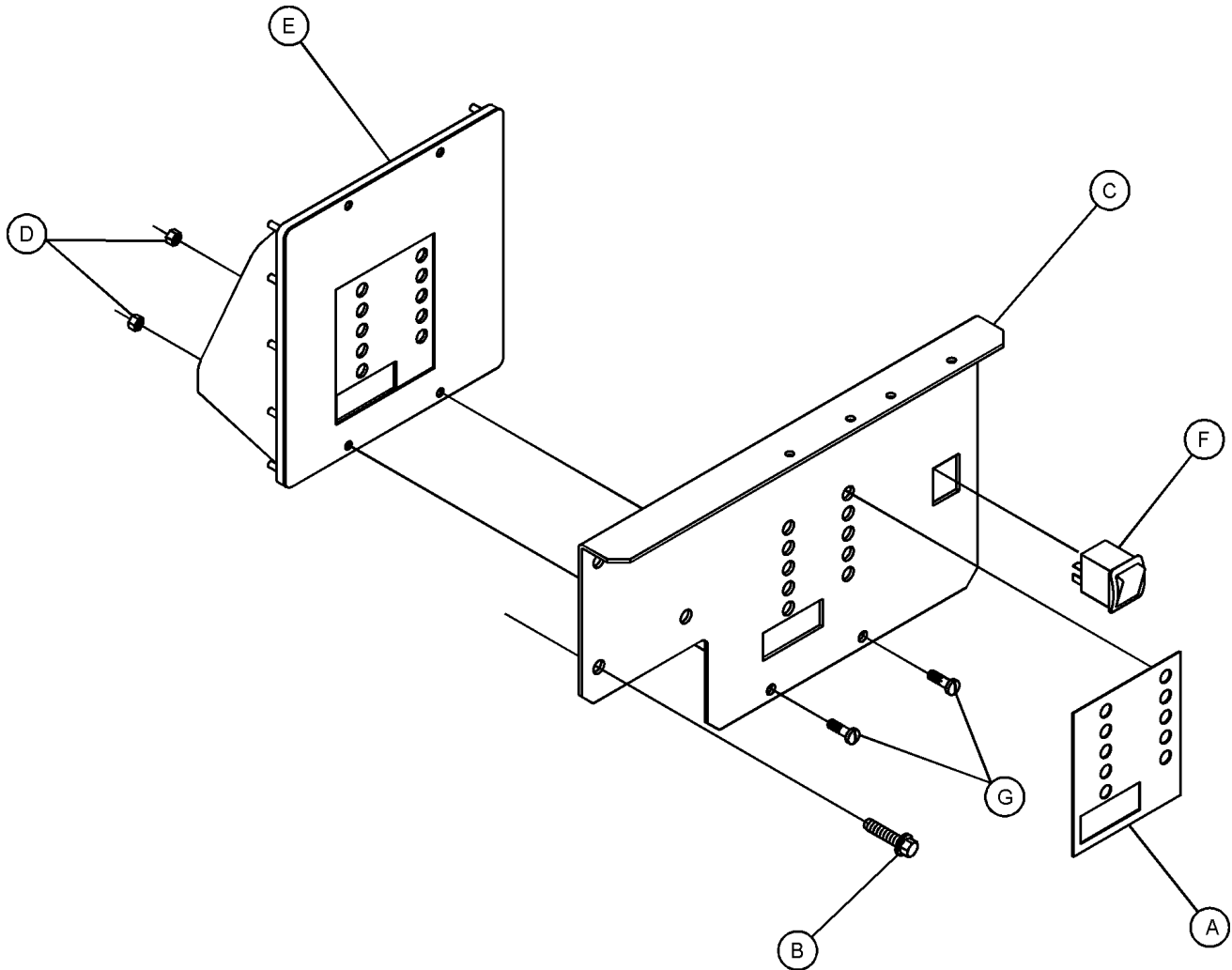
Air Cleaner Assembly



23209257\_11/07\_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   |                  |

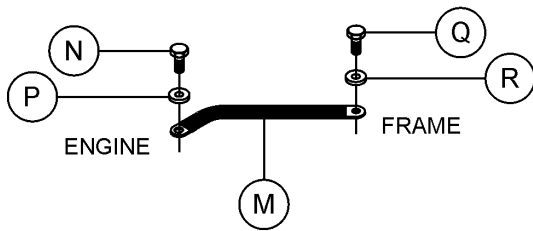
## Wedge Mount



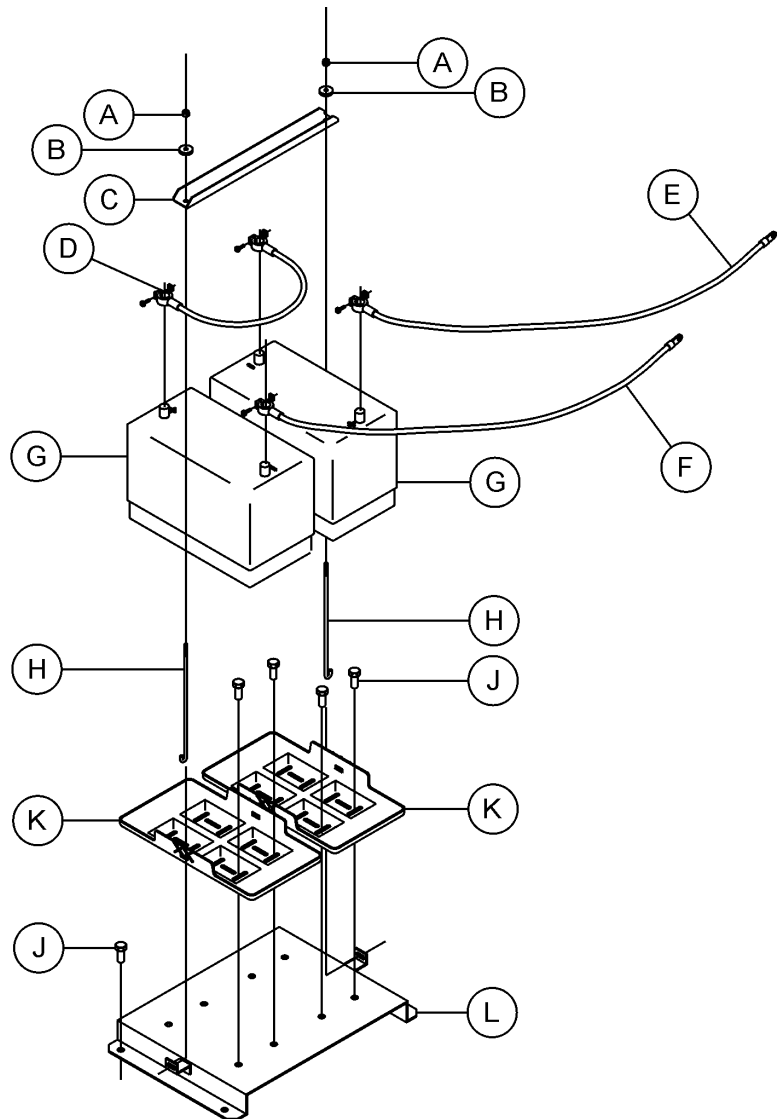
23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| A    | 22215354  | Decal, Wedge                 | 1   |                  |
| B    | 35279025  | Screw, Tapping M08-1.25 X 20 | 4   |                  |
| C    | 22197776  | Bracket, Wedge Mounting      | 1   |                  |
| D    | 35375807  | Nut, Hex M05-0.8             | 4   |                  |
| E    | 22173579  | Wedge Module                 | 1   |                  |
| F    | 54475777  | Switch, Rocker SP Momentary  | 1   |                  |
| G    | 35369446  | Screw, Hex M05-0.8 X 50      | 4   |                  |

# Battery Mount

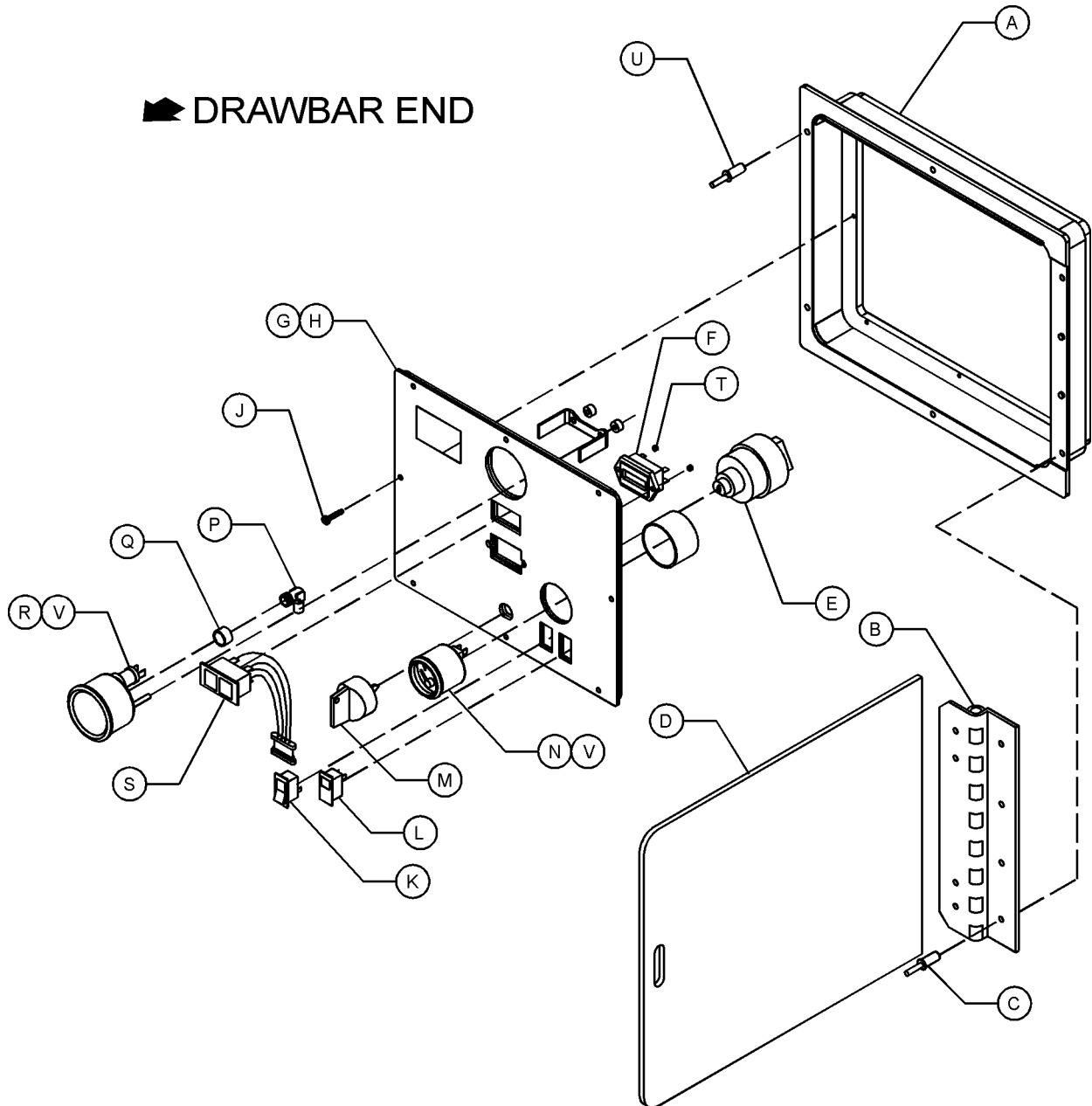


➡ DRAWBAR END



| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES      |
|------|-----------|-----------------------------|-----|-----------------------|
| A    | 95923298  | Nut, Hex Lock 1/4-20        | 2   |                       |
| B    | 36853265  | Washer, Plastic 1/4"        | 2   |                       |
| C    | 22431936  | Hold Down, Battery          | 1   |                       |
| D    | 35258789  | Cable, Jumper               | 1   | Prior to S/N 415418   |
|      | 22192801  | Cable, Jumper               | 1   | Begin with S/N 415418 |
| E    | 35583582  | Cable, Positive Battery     | 1   |                       |
| F    | 35587088  | Cable, Negative Battery     | 1   | Prior to S/N 415418   |
|      | 22517502  | Cable, Negative Battery     | 1   | Begin with S/N 415418 |
| G    | 36844975  | Battery, 12V                | 2   |                       |
| H    | 36860005  | J-Bolt, 1/4-20              | 2   |                       |
| J    | 36797652  | Screw, Tapping M06-1.0 X 12 | 12  |                       |
| K    | 36878064  | Tray, Battery               | 2   |                       |
| L    | 22425821  | Bracket, Battery Mounting   | 1   |                       |
| M    | 35578194  | Strap, Ground               | 1   | Prior to S/N 415418   |
|      | 36783488  | Strap, Ground               | 1   | Begin with S/N 415418 |
| N    | 96702311  | Screw, Hex M12-1.75 x 30    | 1   |                       |
| P    | 95935003  | Washer, Flat 1/2"           | 1   |                       |
| Q    | 35134550  | Screw, Tapping 3/8-16 X 1"  | 1   |                       |
| R    | 95934998  | Washer, Flat 5/16"          | 1   |                       |

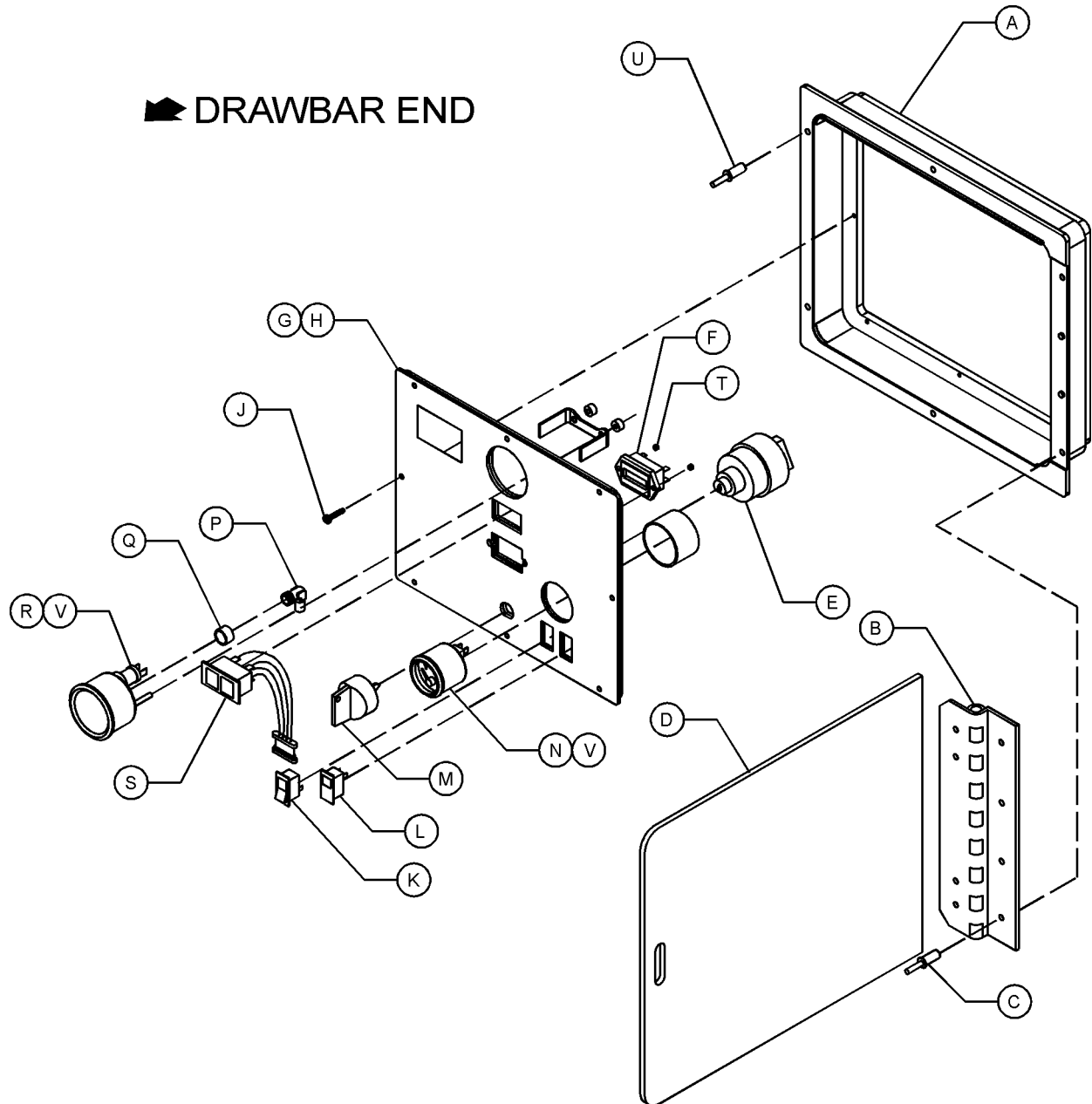
# Instrument Panel



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                   | QTY | DIMENSIONS/NOTES    |
|------|-----------|-------------------------------|-----|---------------------|
| A    | 54749601  | Frame, WW Instrument Panel    | 1   | <i>Continued...</i> |
| B    | 22107478  | Hinge, Spring Control Panel   | 1   |                     |
| C    | 36877587  | Rivet, .19 Dia.               | 4   |                     |
| D    | 54743265  | Door, Control Panel           | 1   |                     |
| E    | 22127385  | Switch, Start                 | 1   |                     |
| F    | 22054175  | Hourmeter                     | 1   |                     |
| G    | 22171680  | Panel, Instrument             | 1   |                     |
| H    | 22171698  | Decal, WW Instrument Panel    | 1   |                     |
| J    | 22070494  | Screw, Plastic Tapping        | 8   |                     |
| K    | 22054076  | Switch, Rocker SPST Momentary | 1   |                     |

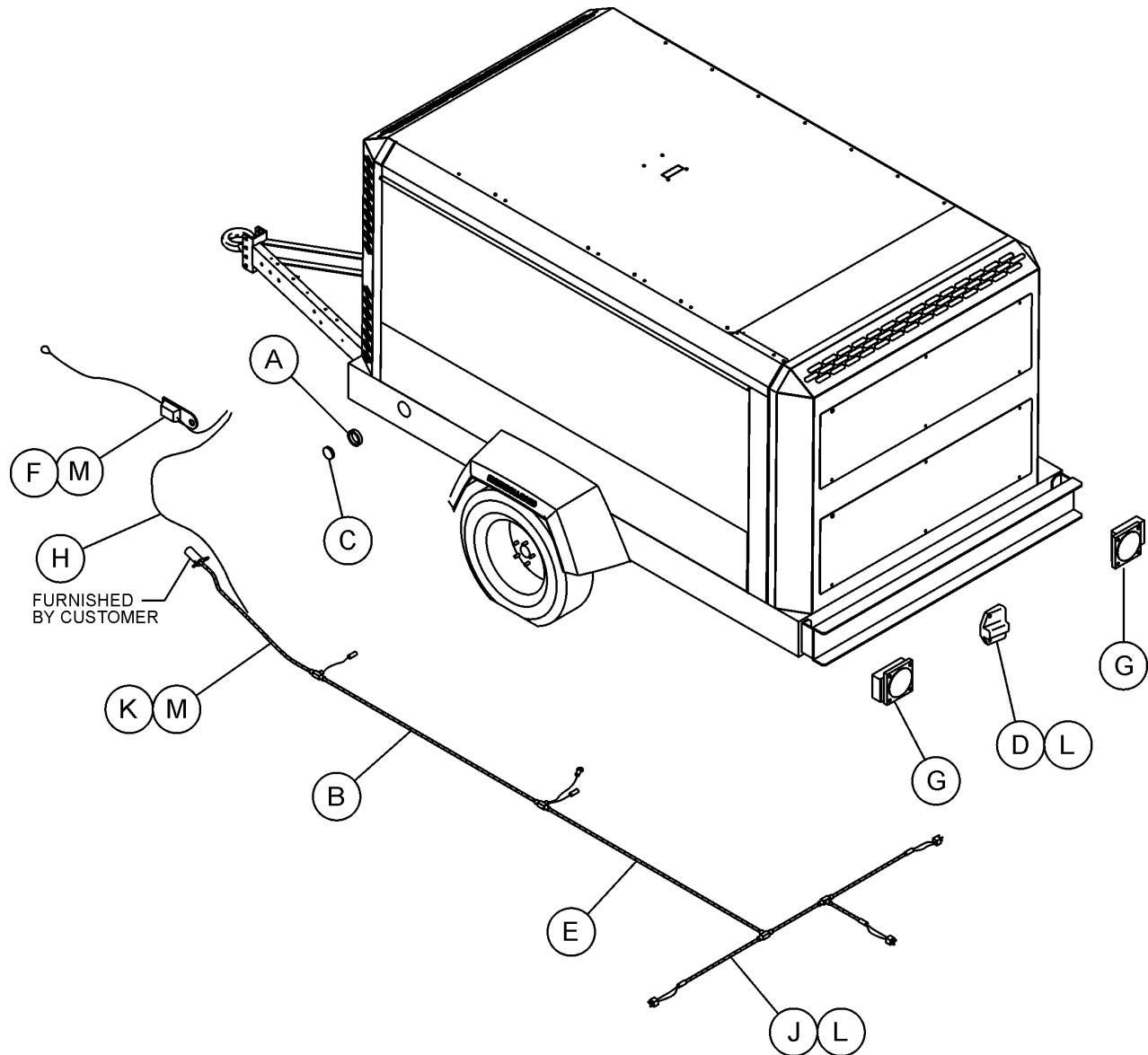
# Instrument Panel



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                          | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------------|-----|------------------|
| L    | 22050553  | Light, Warning                       | 1   | ....Continued    |
| M    | 22134118  | Knob, Non-Removable Key              | 1   |                  |
| N    | 22692602  | Gauge, Fuel Level                    | 1   |                  |
| P    | 35370386  | Elbow, 90° 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    | 22172423  | Module, 2-Light Warning              | 1   |                  |
| T    | 22054159  | Nut, #4-40 Plastic                   | 2   |                  |
| U    | 36920486  | Rivet, SS .19 Dia.                   | 4   |                  |
| V    | 22137426  | Lamp, 28V                            | 2   |                  |

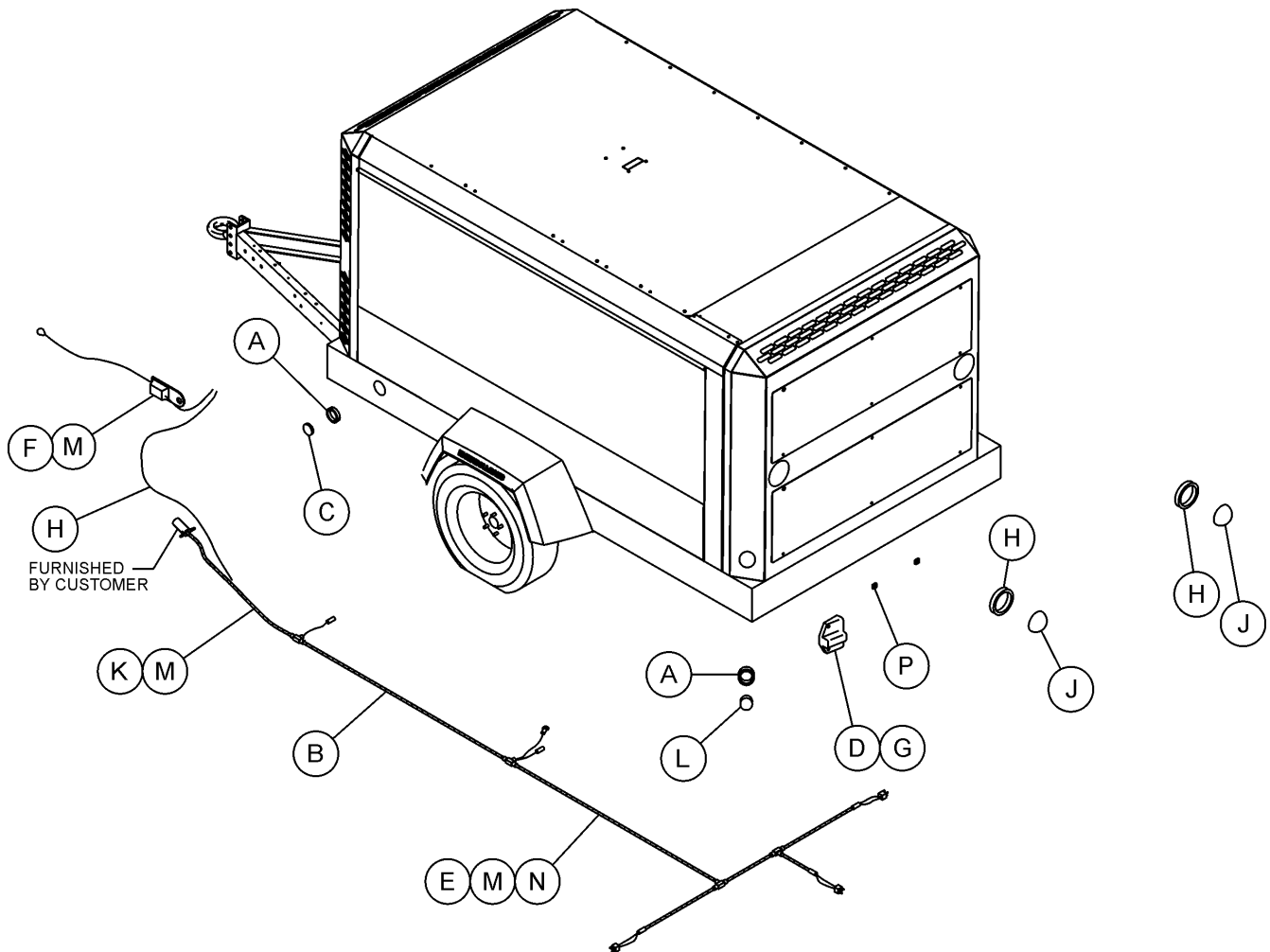
## Electric Brake Wiring Prior to S/N 415418



23209257\_11/07\_A

| 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   | Prior to S/N 415418   |
|      | 46554147  | Switch, Breakaway           | 1   | Begin with S/N 415418 |
| G    | 54671557  | Light, Stop/Tail/Turn       | 2   | Prior to S/N 415418   |
| H    | 22698476  | Conduit, Spiral             | 40" | Prior to S/N 415418   |
| J    | 35253038  | Clamp, 3/8"                 | 3   |                       |
| 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   |                       |

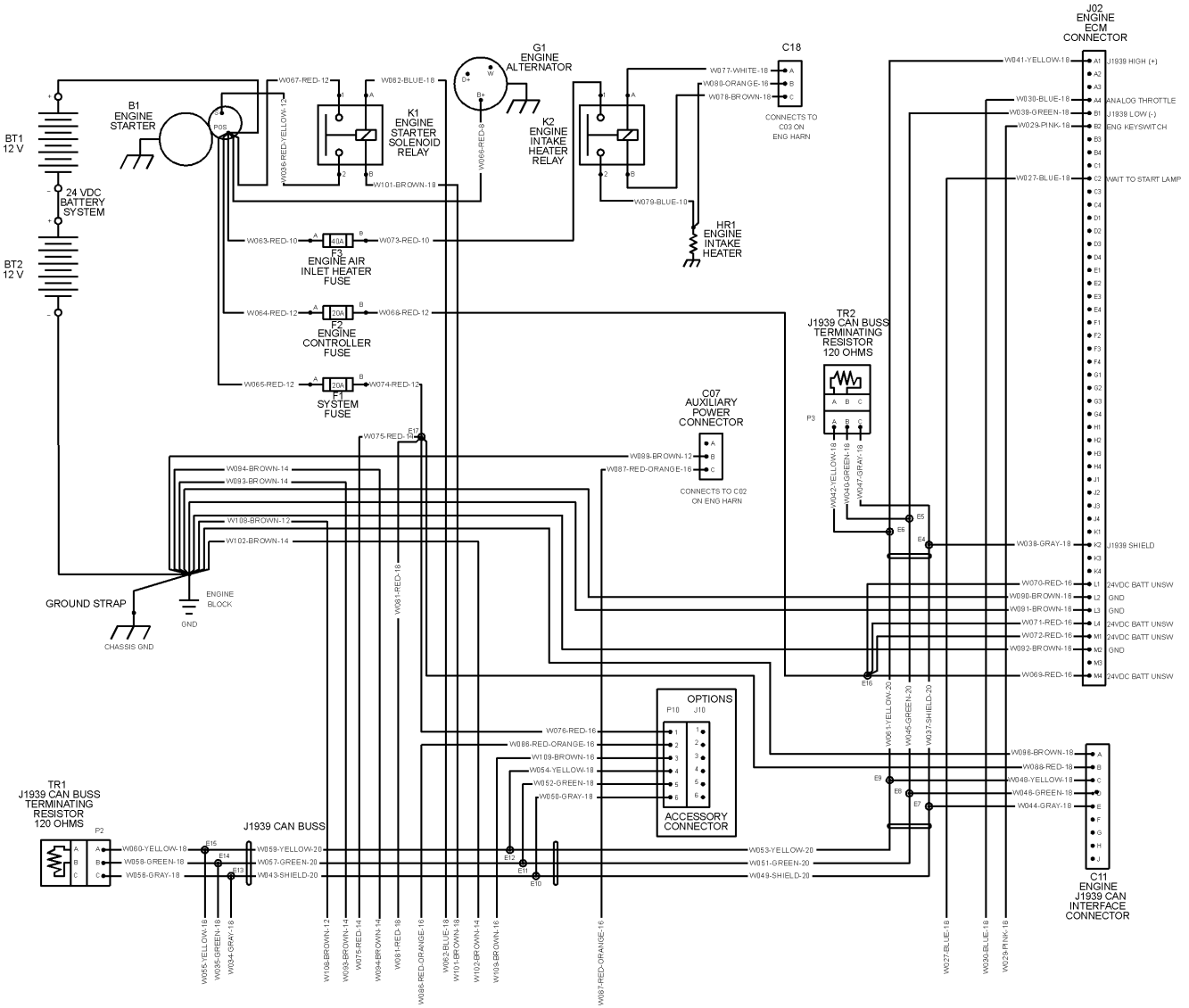
## Electric Brake Wiring Begin with S/N 415418



23209257\_07/10\_A

| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| A    | 36893634  | Grommet, Side Light          | 4   |                  |
| B    | 46546339  | Harness, Lighting            | 1   |                  |
| C    | 35367051  | Light, Yellow Clearance      | 2   |                  |
| D    | 36895860  | Light, License               | 1   |                  |
| E    | 35225077  | Clamp, 5/8" Support          | 9   |                  |
| F    | 46554147  | Switch, Breakaway            | 1   |                  |
| G    | 35300771  | Screw, Tapping M06-1.0 X 20  | 2   |                  |
| H    | 36787968  | Grommet, Tail Light          | 2   |                  |
| J    | 36788081  | Light, Combo Tail            | 2   |                  |
| K    | 37001252  | Clamp, Support               | 1   |                  |
| L    | 35367044  | Light, Red Clearance         | 2   |                  |
| M    | 36797652  | Screw, Tapping M06-1.0 X 12  | 2   |                  |
| N    | 35279025  | Screw, Tapping M08-1.25 X 20 | 1   |                  |
| P    | 54724117  | Grommet, Screw               | 2   |                  |

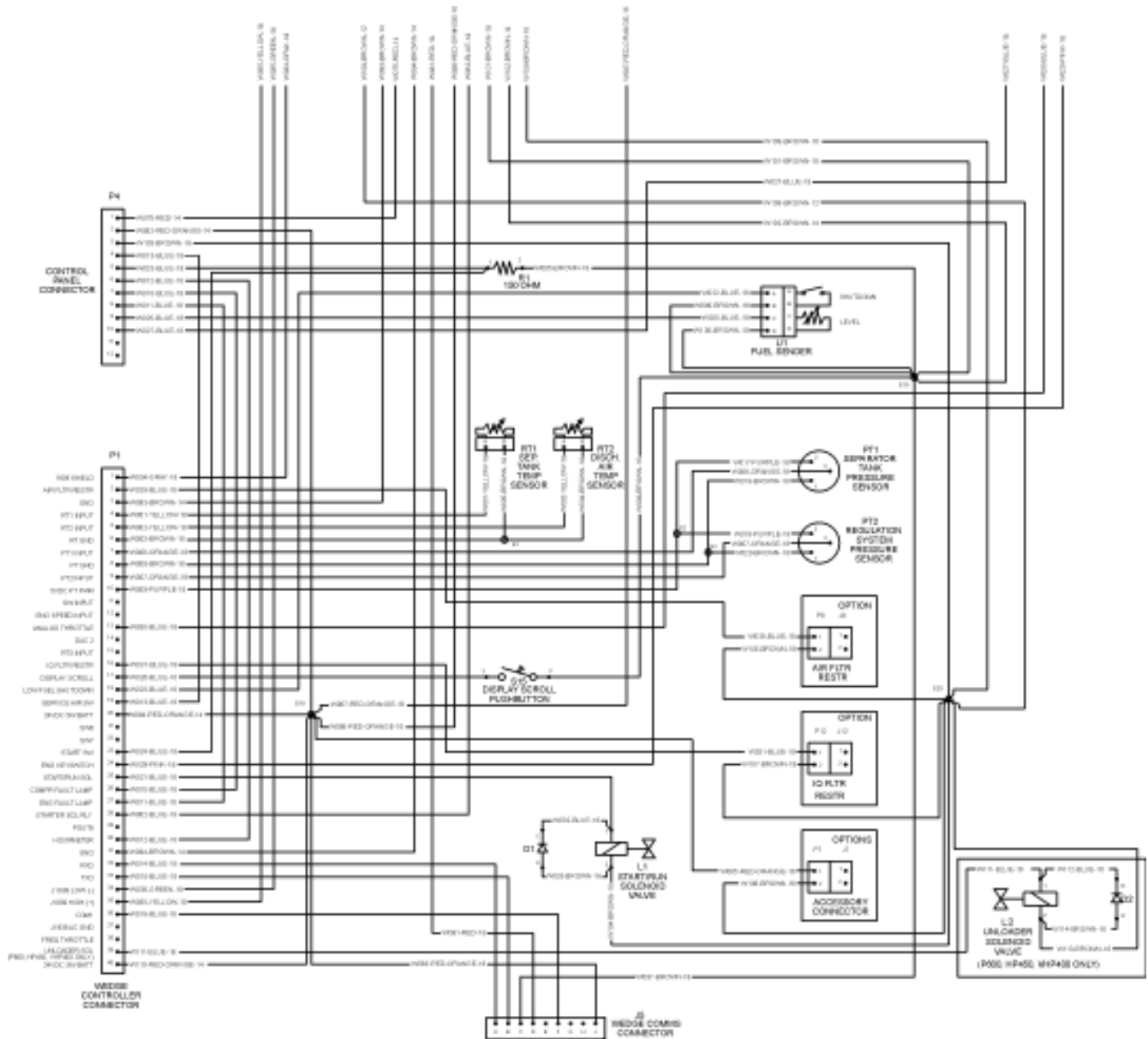
## Chassis Wiring Diagram



23209257\_11/07\_A

| ITEM                       | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES |
|----------------------------|-----------|----------------------|-----|------------------|
| B1                         | 22206213  | Starter              |     |                  |
| BT1                        | 36844975  | Battery, 12V         |     |                  |
| BT2                        | 36844975  | Battery, 12V         |     |                  |
| F1                         | 36792083  | Fuse, 20A            |     |                  |
| F2                         | 36792083  | Fuse, 20A            |     |                  |
| F3                         | 22986962  | Fuse, 40A            |     |                  |
| G1                         | 22206221  | Alternator           |     |                  |
| HR1                        | 85473999  | Heater, Air Intake   |     |                  |
| K1                         | 36853521  | Relay, Sealed 24V    |     | Starter Solenoid |
| K2                         | 36853521  | Relay, Sealed 24V    |     | Intake Heater    |
| TR1                        | 54750633  | Terminator, Resistor |     |                  |
| TR2                        | 54750633  | Terminator, Resistor |     |                  |
| <b><i>Continued...</i></b> |           |                      |     |                  |

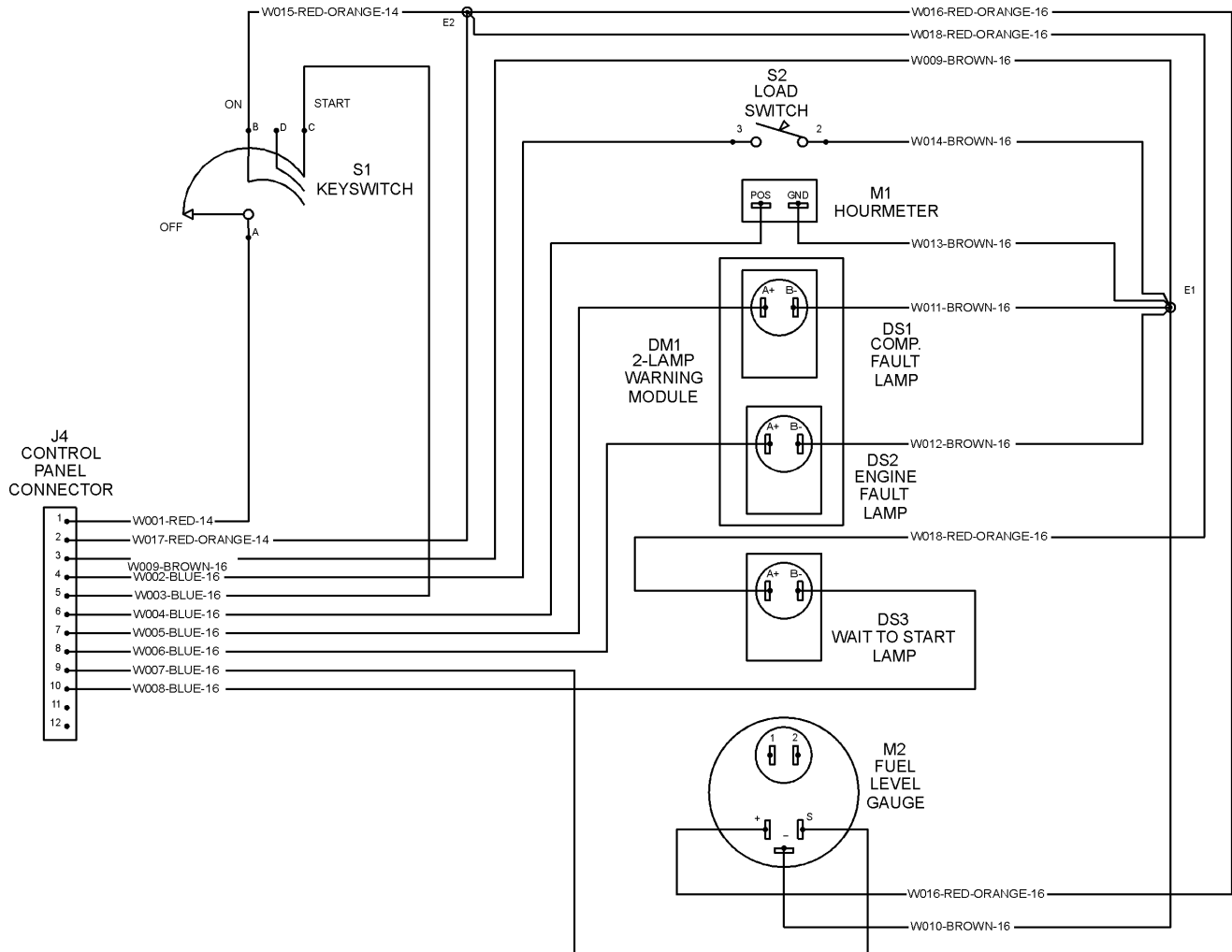
## Chassis Wiring Diagram



23209257\_01/08\_B

| ITEM | COMM. NO. | DESCRIPTION                                             | DIMENSIONS/NOTES                                                                                                                                        |
|------|-----------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| D1   | 35376169  | Diode                                                   | <p><b>....Continued</b></p> <p>Start / Run<br/>Unloader<br/>Separator Tank<br/>Regulation System</p> <p>Separator Tank<br/>Discharge Air<br/>Scroll</p> |
| L1   | 36840841  | Valve, Solenoid 24 V 0-100 PSI                          |                                                                                                                                                         |
| L2   | 36840841  | Valve, Solenoid 24 V 0-100 PSI (P600,HP450,VHP400 ONLY) |                                                                                                                                                         |
| PT1  | 54765946  | Transducer, 0-500 PSIG                                  |                                                                                                                                                         |
| PT2  | 36920825  | Transducer, 0-100 PSI                                   |                                                                                                                                                         |
| R1   | ~         | Resistor                                                |                                                                                                                                                         |
| RT1  | 36898922  | Sensor, Temperature                                     |                                                                                                                                                         |
| RT2  | 36898922  | Sensor, Temperature                                     |                                                                                                                                                         |
| S15  | 54475777  | Switch, Rocker SP Momentary                             |                                                                                                                                                         |
| U1   | 54731427  | Sender, Fuel Level                                      |                                                                                                                                                         |
| W1   | 22969554  | Harness, Chassis                                        |                                                                                                                                                         |

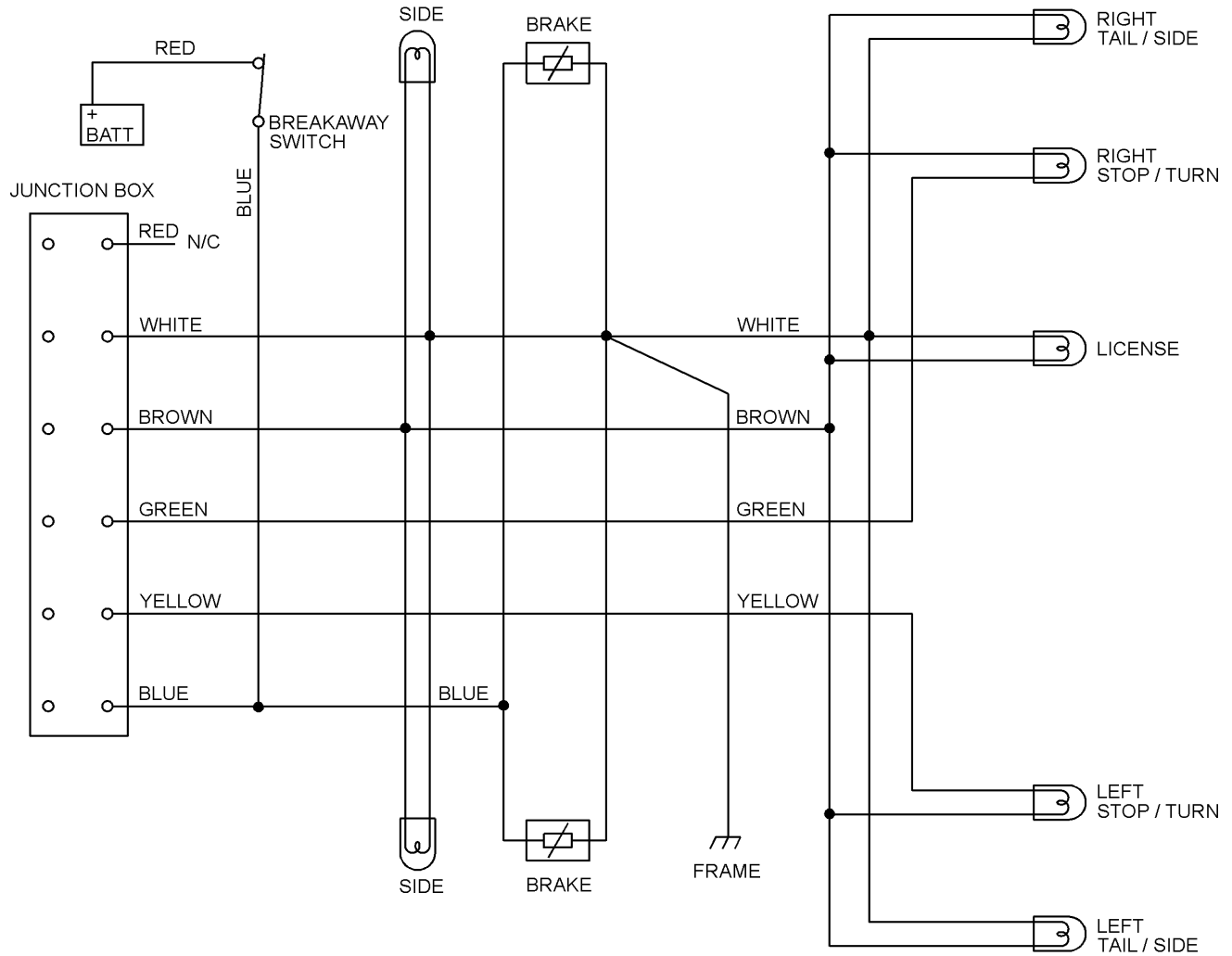
## Instrument Panel Wiring Diagram



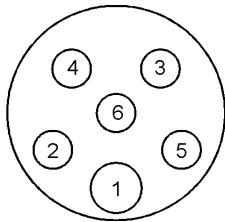
23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                   | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------|-----|------------------|
| DM1  | 22172423  | Module, 2-Light Warning       |     | Wait to Start    |
| DS3  | 22050553  | Light, Warning                |     |                  |
| M1   | 22054175  | Hourmeter                     |     |                  |
| M2   | 22692602  | Gauge, Fuel Level             |     | Load / Unload    |
| S1   | 22127385  | Switch, Start                 |     |                  |
| S2   | 22054076  | Switch, Rocker SPST Momentary |     |                  |
| W2   | 22835680  | Harness, Instrument Panel     |     |                  |

## Tail Light Wiring Diagram



### PLUG / SOCKET WIRING CONNECTIONS

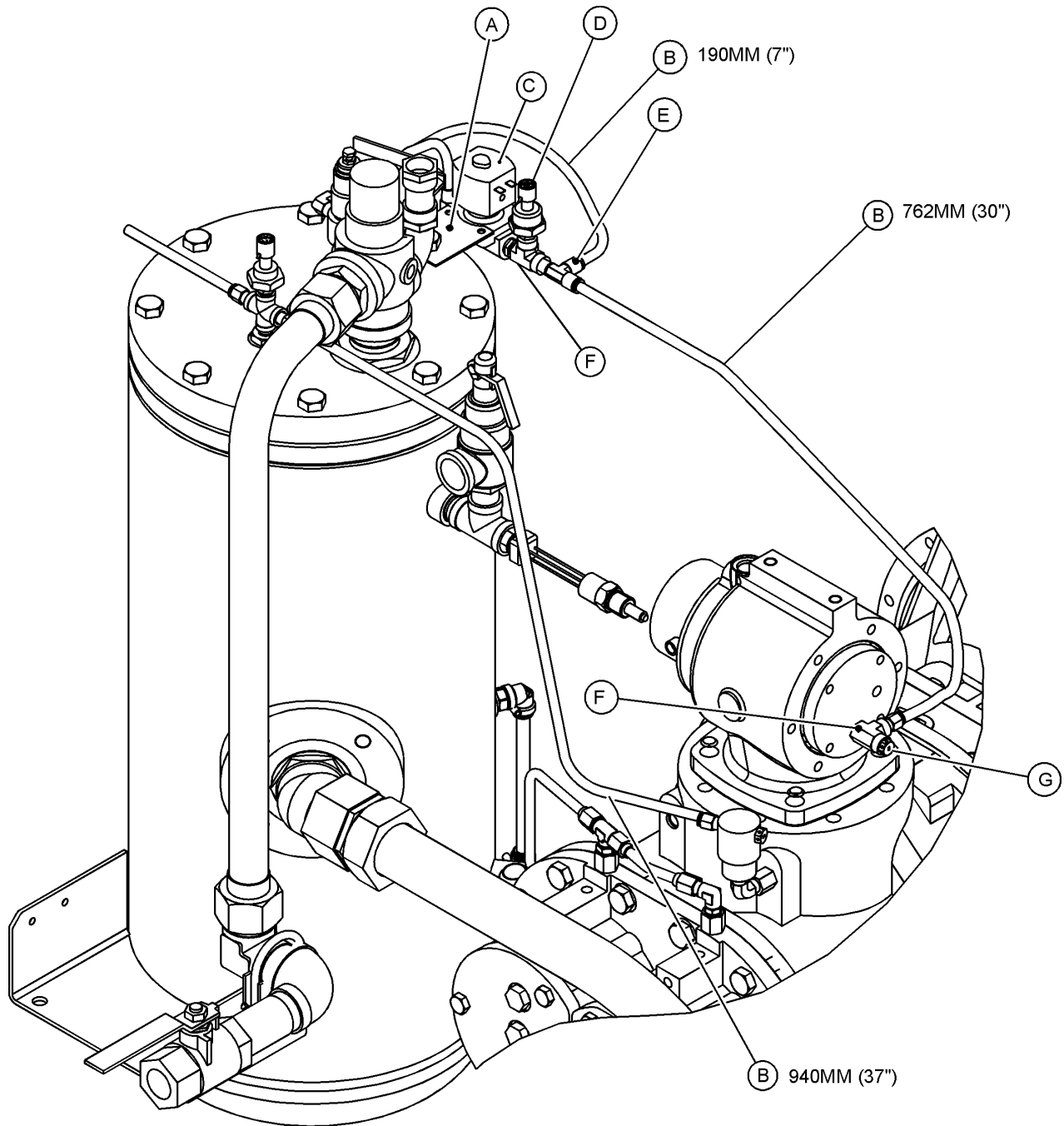


- 1 WHITE - GROUND
- 2 YELLOW - LEFT STOP/TURN SIGNAL
- 3
- 4 GREEN - RIGHT STOP/TURN SIGNAL
- 5 BROWN - TAIL / CLEARANCE LIGHTS
- 6 BLUE - ELECTRIC BRAKES

23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION       | QTY | DIMENSIONS/NOTES      |
|------|-----------|-------------------|-----|-----------------------|
|      | 36844975  | Battery           | 2   |                       |
|      | 35315944  | Brakeaway Switch  | 1   | Prior to S/N 415418   |
|      | 46554147  | Brakeaway Switch  | 1   | Begin with S/N 415418 |
|      | 36895860  | License           | 1   |                       |
|      | 35367051  | Side              | 2   |                       |
|      | 54671557  | Tail / Stop       | 2   |                       |
|      | 54761101  | Harness, Light    | 1   | Prior to S/N 415418   |
|      | 46546339  | Harness, Lighting | 1   | Begin with S/N 415418 |

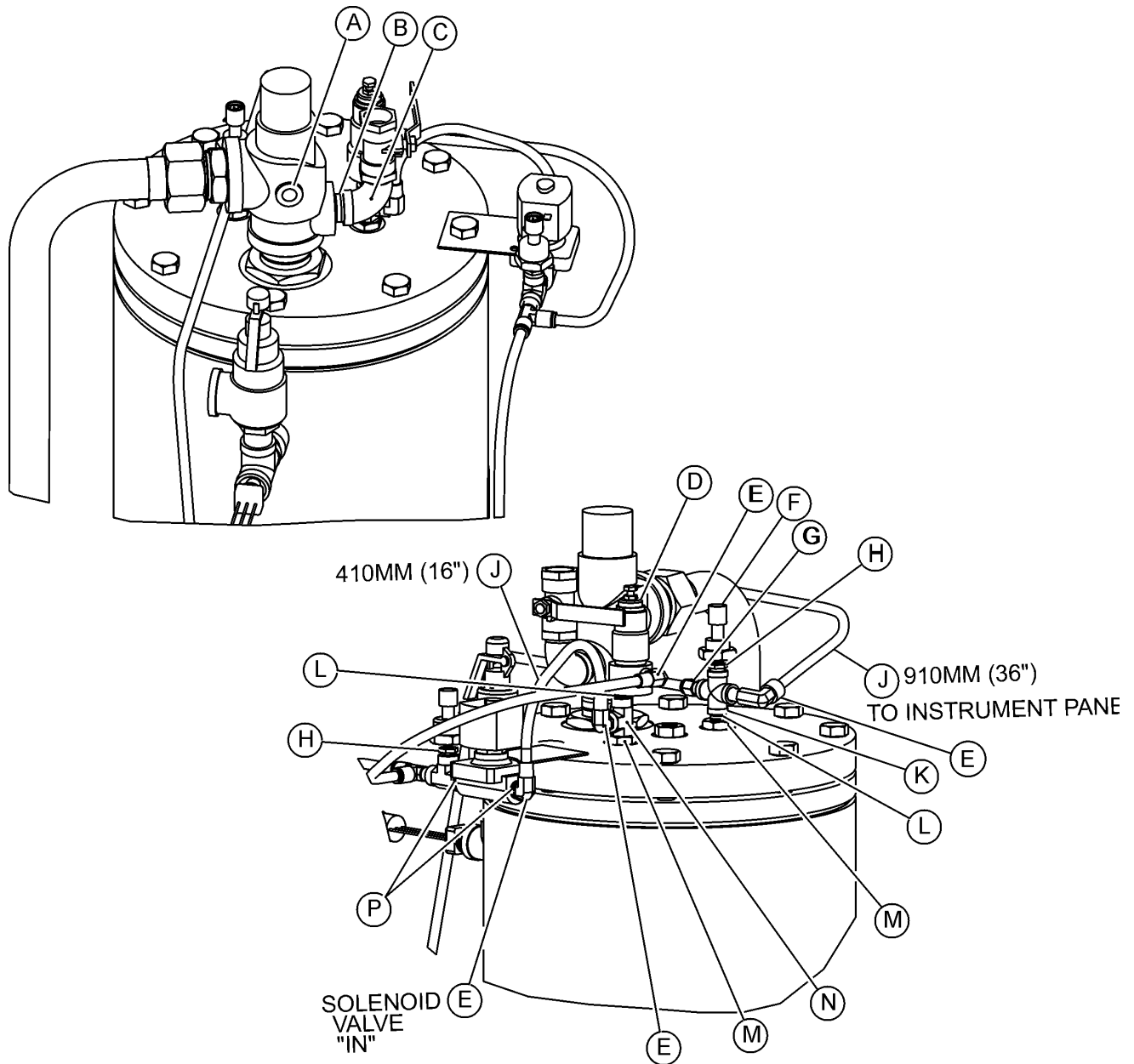
## Air Piping



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                       | QTY | DIMENSIONS/NOTES  |
|------|-----------|-----------------------------------|-----|-------------------|
| A    | 36892669  | Bracket, Start / Run Valve        | 1   | See Lengths Above |
| B    | 35356484  | Tubing, 3/8" OD Synflex           | ~   |                   |
| C    | 36840841  | Valve, Solenoid 24 V 0-100 PSI    | 1   |                   |
| D    | 36920825  | Transducer, 0-100 PSI             | 1   |                   |
| E    | 35369503  | Tee, Male Run 1/4" NPT X 3/8 Tube | 1   |                   |
| F    | 35114545  | Tee, Street 1/4" NPT              | 2   |                   |
| G    | 36766731  | Orifice, Muffler .156             | 1   |                   |

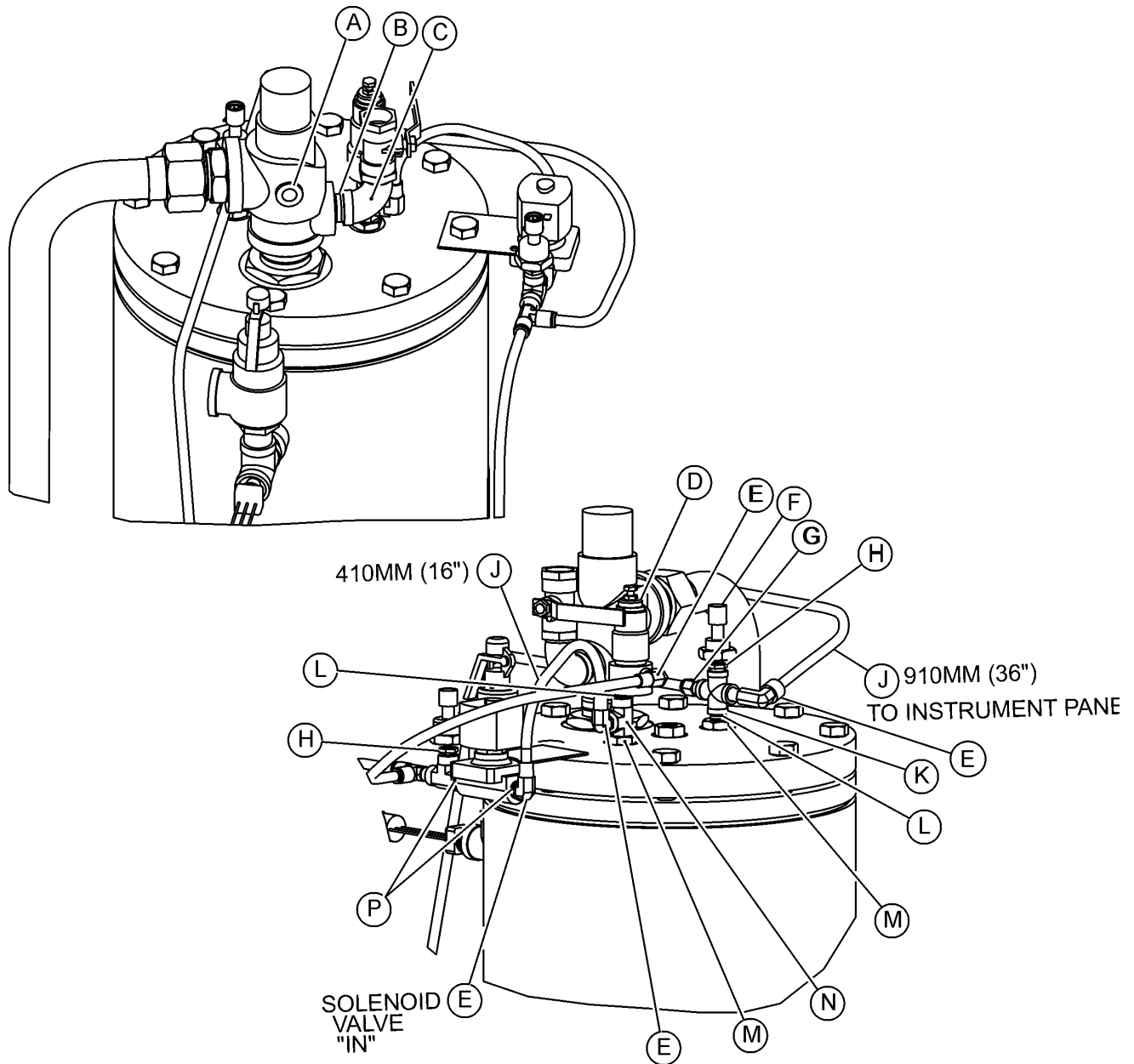
## Air Piping



23209257\_07/10\_B

| ITEM | COMM. NO. | DESCRIPTION                           | QTY | DIMENSIONS/NOTES                                                    |
|------|-----------|---------------------------------------|-----|---------------------------------------------------------------------|
| A    | 95928230  | Plug, Hex Countersunk Socket 1/4" NPT | 1   | Begin with S/N 415418<br>Prior to S/N 415418<br><b>Continued...</b> |
| B    | 95928040  | Nipple, Closed 3/4" NPT X 1.38"       | 1   |                                                                     |
| C    | 95928172  | Elbow, 90° 3/4" NPT Street            | 1   |                                                                     |
| D    | 36896892  | Regulator, Pressure 200 PSI           | 1   |                                                                     |
| E    | 35369354  | Elbow, Male 1/4" NPT X 3/8" Tube      | 4   |                                                                     |
| F    | 54765946  | Transducer, 0-500 PSI                 | 1   |                                                                     |
| G    | 35369347  | Connector, Male 1/4" NPTF X 3/8" Tube | 1   |                                                                     |

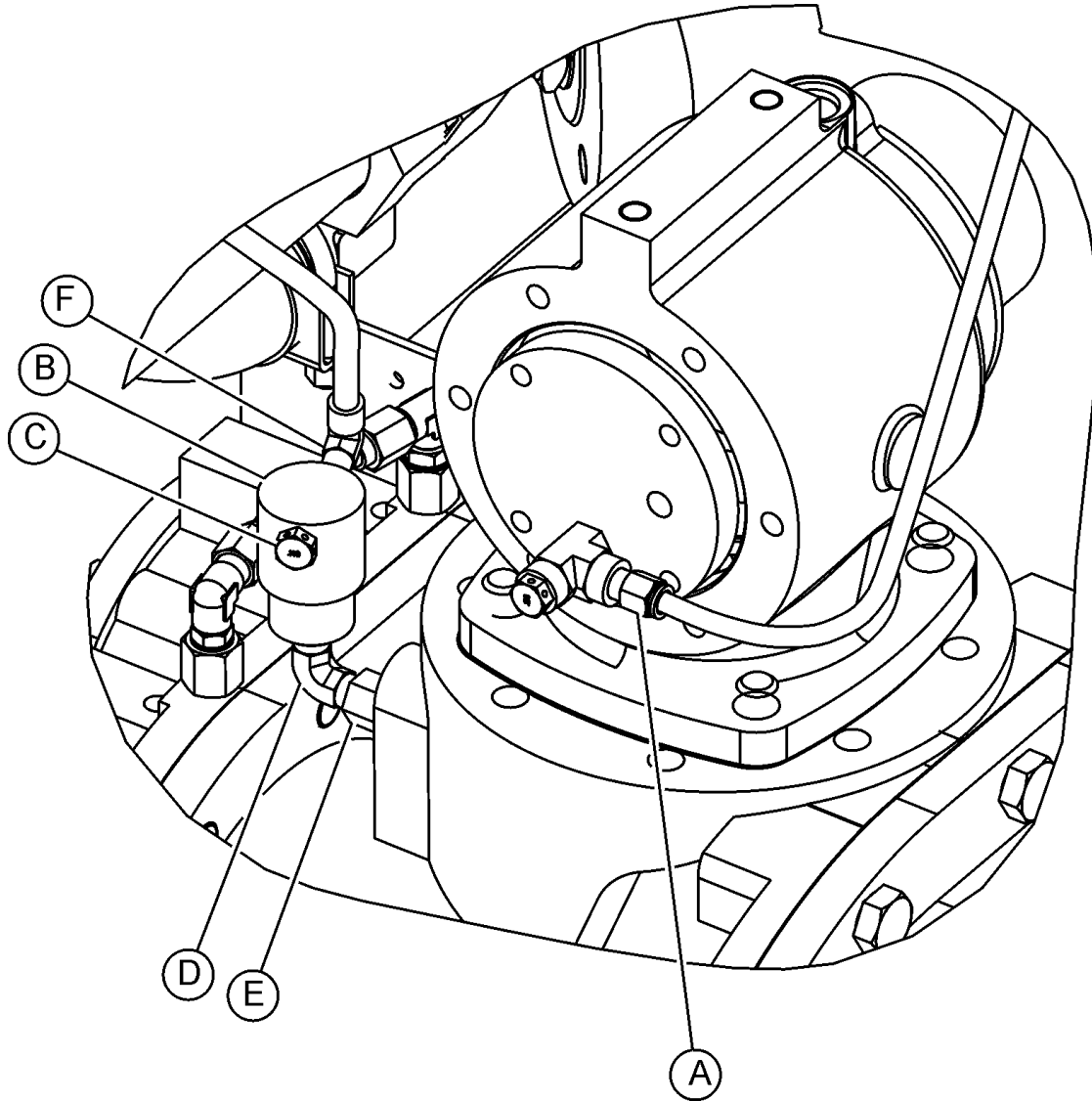
## Air Piping



23209257\_07/10\_B

| ITEM | COMM. NO. | DESCRIPTION                           | QTY | DIMENSIONS/NOTES                              |
|------|-----------|---------------------------------------|-----|-----------------------------------------------|
| H    | 95930301  | Bushing, Reducing 1/4" NPT X 1/8" NPT | 2   | <b>....Continued</b><br><br>See Lengths Above |
| J    | 35356484  | Tubing, 3/8" OD Synflex               | ~   |                                               |
| K    | 95954293  | Cross, .25" NPT                       | 1   |                                               |
| L    | 95944575  | Nipple, Closed 1/4" NPT X 7/8"        | 2   |                                               |
| M    | 95773032  | Adapter, 90° Female 7/8-14 X 1/4" NPT | 2   |                                               |
| N    | 35114545  | Tee, Street 1/4" NPT                  | 1   |                                               |
| P    | 95940748  | Bushing, Reducing 3/8" NPT X 1/4" NPT | 2   |                                               |

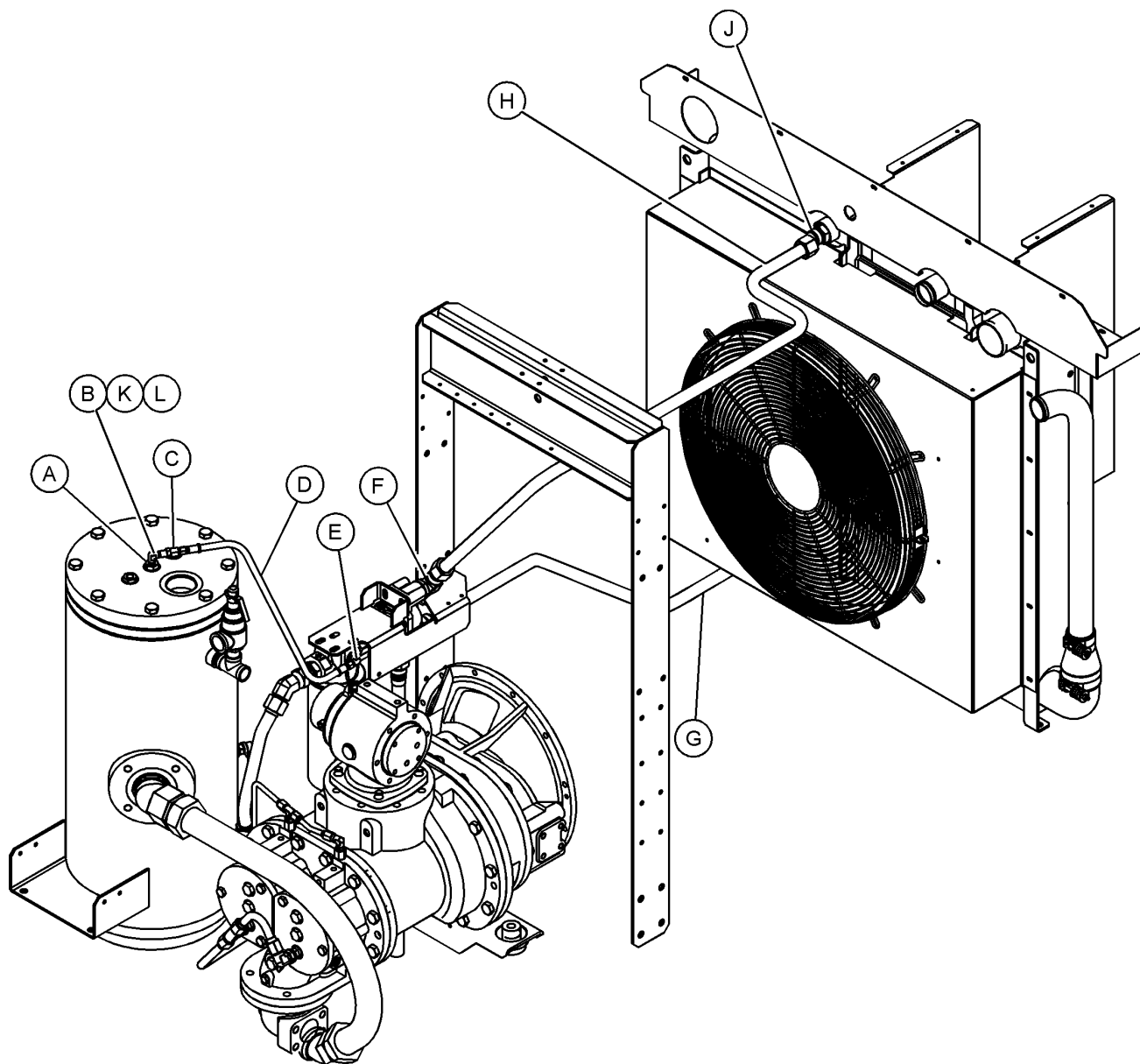
## Air Piping



23209257\_07/10\_B

| ITEM | COMM. NO. | DESCRIPTION                           | QTY | DIMENSIONS/NOTES      |
|------|-----------|---------------------------------------|-----|-----------------------|
| A    | 35369347  | Connector, Male 1/4" NPTF X 3/8" Tube | 1   | Repair Kit 35379064   |
| B    | 35322379  | Valve, Blowdown                       | 2   |                       |
| C    | 36766756  | Orifice, Muffler .140                 | 1   |                       |
| D    | 95364469  | Elbow, 90° 1/4" NPT X 1/4" NPT        | 1   |                       |
| E    | 35302314  | Adapter, 9/16-18 X 1/4" NPT           | 1   |                       |
| F    | 35369354  | Elbow, Male 1/4" NPT X 3/8" Tube      | 1   | Begin with S/N 415418 |

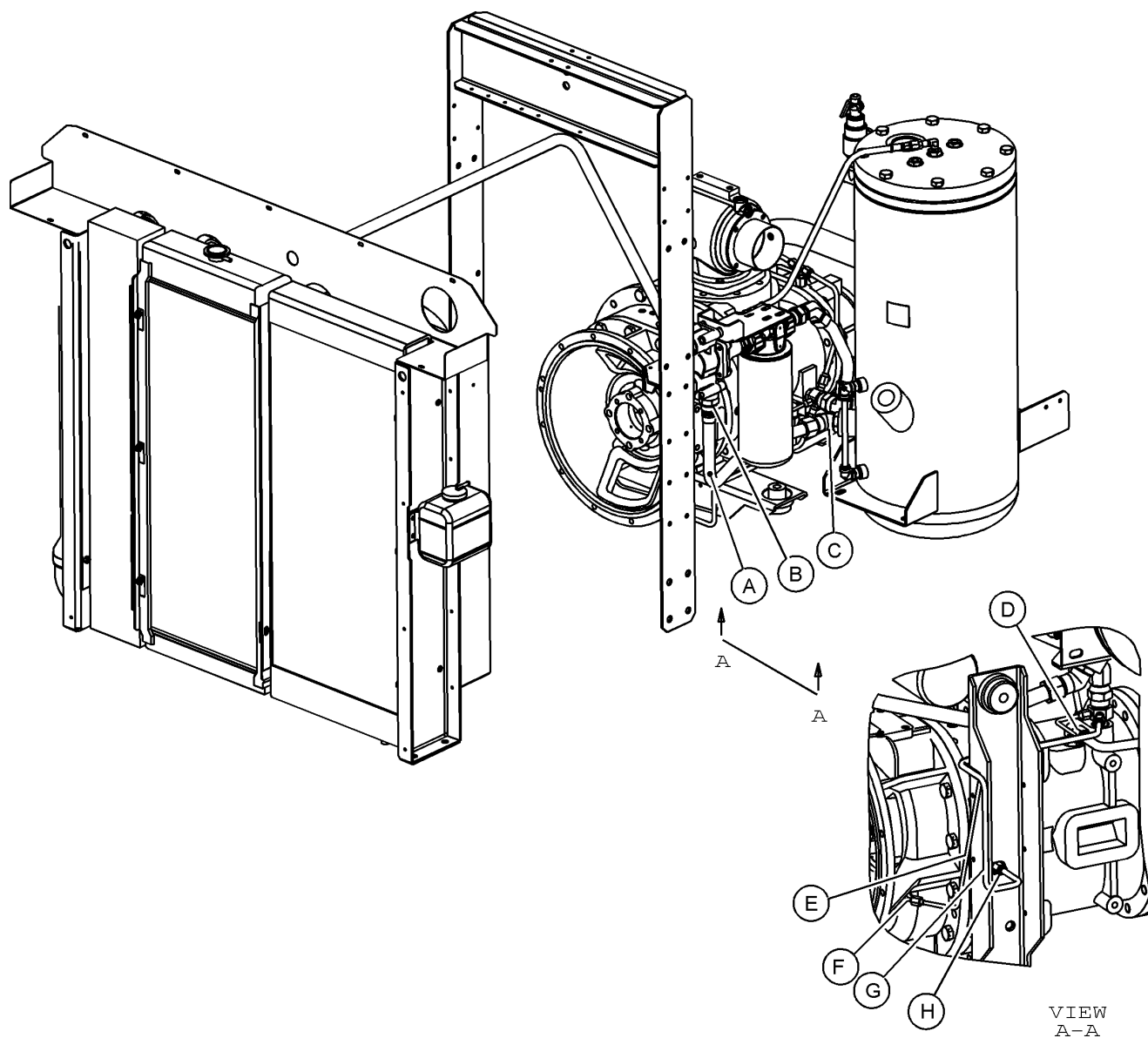
## Oil Piping



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                            | QTY | DIMENSIONS/NOTES   |
|------|-----------|----------------------------------------|-----|--------------------|
| A    | 54721337  | Adapter, Oil Scavenge                  | 1   |                    |
| B    | 95944666  | Elbow, Street 90° 1/4" NPT             | 1   |                    |
| C    | 36840411  | Valve, Check                           | 1   |                    |
| D    | 35315407  | Hose Assembly, -4 JIC X 24"            | 1   |                    |
| E    | 95365094  | Elbow, 90° 9/16-18 X -4 JIC            | 1   |                    |
| F    | 95938171  | Elbow, 90° X 1.31-12 SAE               | 1   |                    |
| G    | 22915292  | Tube, OTBV to Oil Cooler               | 1   |                    |
| H    | 22915284  | Tube, Top Oil Cooler                   | 1   |                    |
| J    | 95955993  | Connector, 1.31-12 SAE to 1.31-12 Tube | 1   |                    |
| K    | 92877620  | O-Ring                                 | AR  | Included w/ Item B |
| L    | 95973228  | O-Ring                                 | AR  | Included w/ Item B |

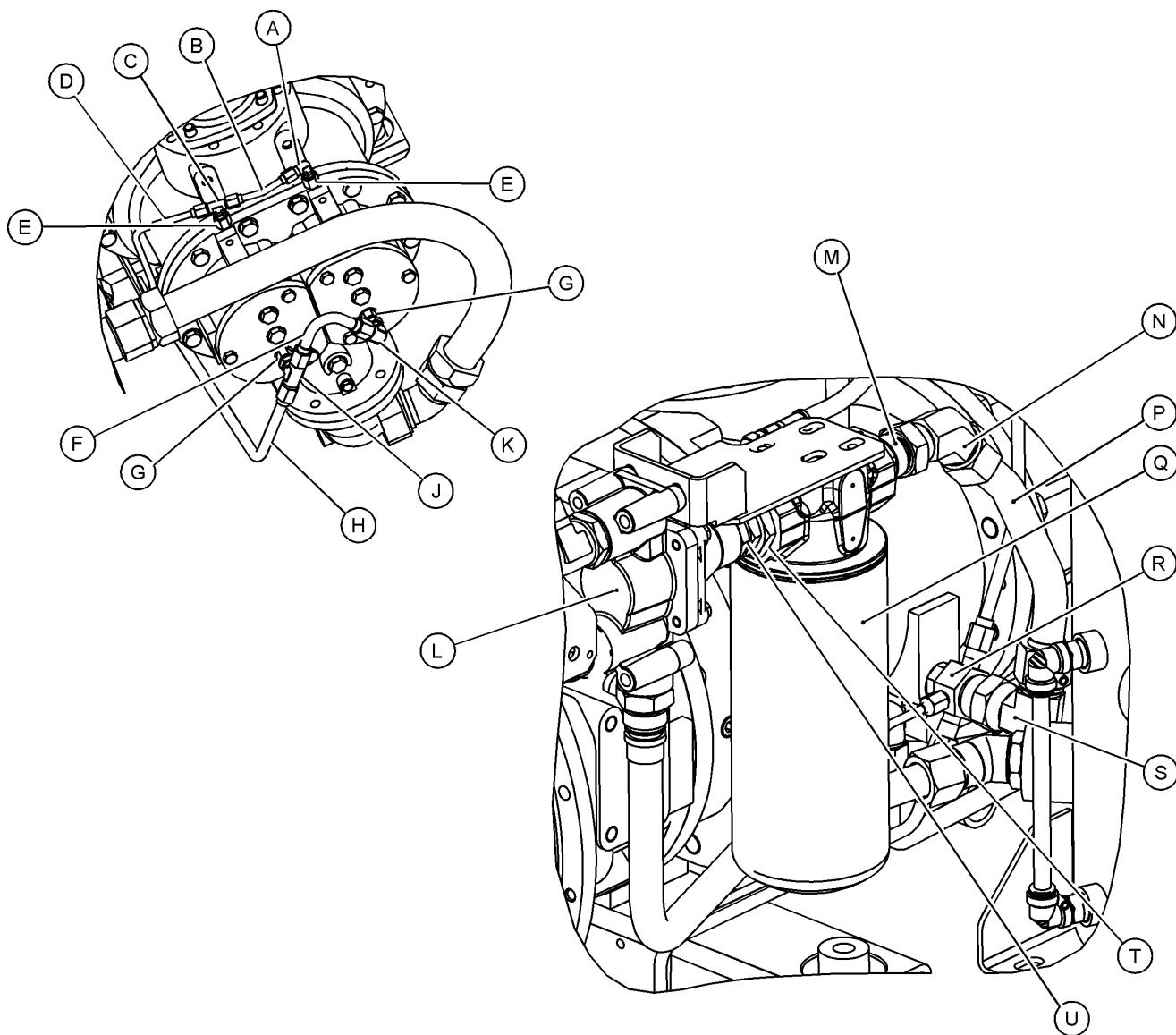
## Oil Piping



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                            | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------------|-----|------------------|
| A    | 35227909  | Hose, -16 JIC X 25"                    | 1   |                  |
| B    | 95955993  | Connector, 1.31-12 SAE to 1.31-12 Tube | 1   |                  |
| C    | 95992632  | Elbow, 45° X 1.31-21 SAE               | 1   |                  |
| D    | 35305622  | Elbow, 90° SAE 3/4-16 X -10JIC         | 1   |                  |
| E    | 36846152  | Tube, Front Oil Seal                   | 1   |                  |
| F    | 35279884  | Elbow, 45° SAE 7/16-20 X -4JIC         | 1   |                  |
| G    | 22189609  | Tube, Front Bearing Oil Supply         | 1   |                  |
| H    | 95402806  | Adapter, 7/16-20 X -6JIC               | 1   |                  |

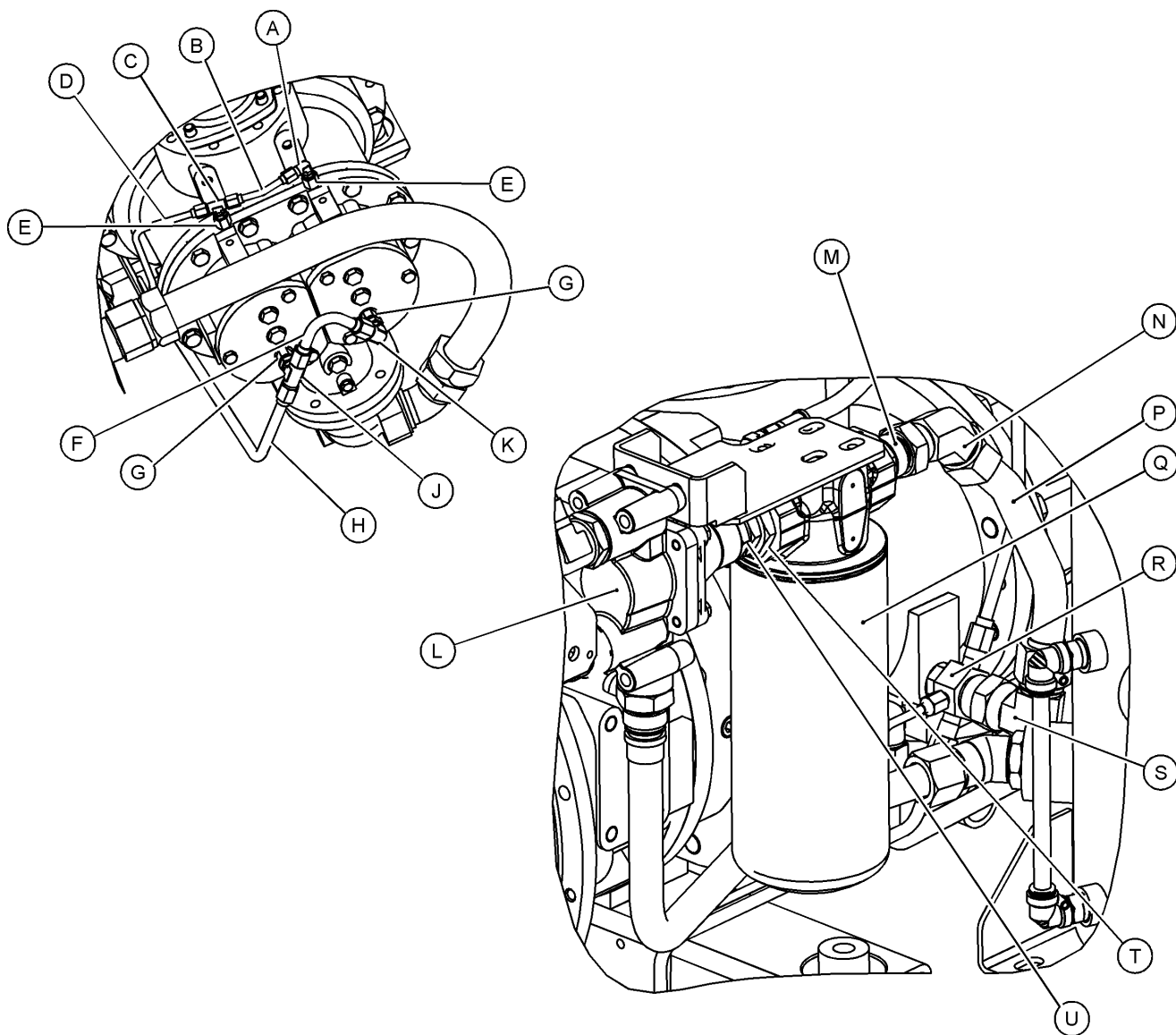
## Oil Piping



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                       | QTY | DIMENSIONS/NOTES    |
|------|-----------|-----------------------------------|-----|---------------------|
| A    | 35279827  | Elbow, 90° Swivel 9/16-18 X -6JIC | 1   | <i>Continued...</i> |
| B    | 36795482  | Tube Assembly                     | 1   |                     |
| C    | 35279843  | Tee, Branch 9/16-18 X -6JIC       | 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 -10JIC    | 2   |                     |
| H    | 36846103  | Tube, Bearing Oil Scavenge        | 1   |                     |
| J    | 36846129  | Tee, Branch 7/8-14 X -10JIC       | 1   |                     |
| K    | 35286491  | Elbow, 90° SAE 7/8-14 X -10JIC    | 1   |                     |

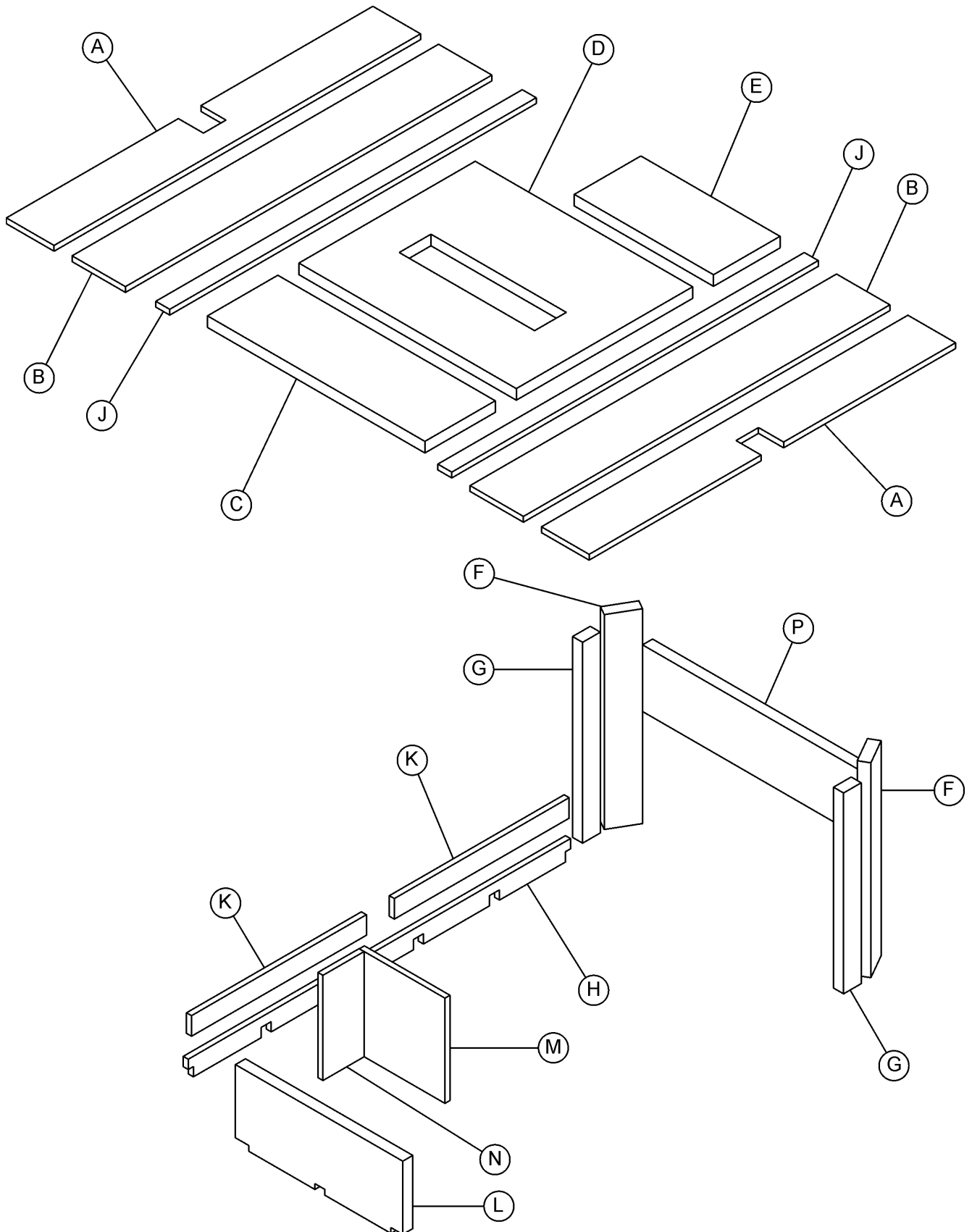
## Oil Piping



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                               | QTY | DIMENSIONS/NOTES     |
|------|-----------|-------------------------------------------|-----|----------------------|
| L    | 23137953  | OTBV Assembly, 1-5/16" SAE                | 1   | <b>....Continued</b> |
| M    | 35292069  | Connector, 1.62-12 X -16JIC               | 1   |                      |
| N    | 35307206  | Elbow, 45° Swivel -16 JIC X 1" Tube       | 1   |                      |
| P    | 35260371  | Hose Assembly, -16 JIC X 16.5"            | 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 SAE X 1.31-12 Female SAE | 1   |                      |
| U    | 95954921  | Union, Straight 1.31-12 SAE               | 1   |                      |

# Foam Insulation

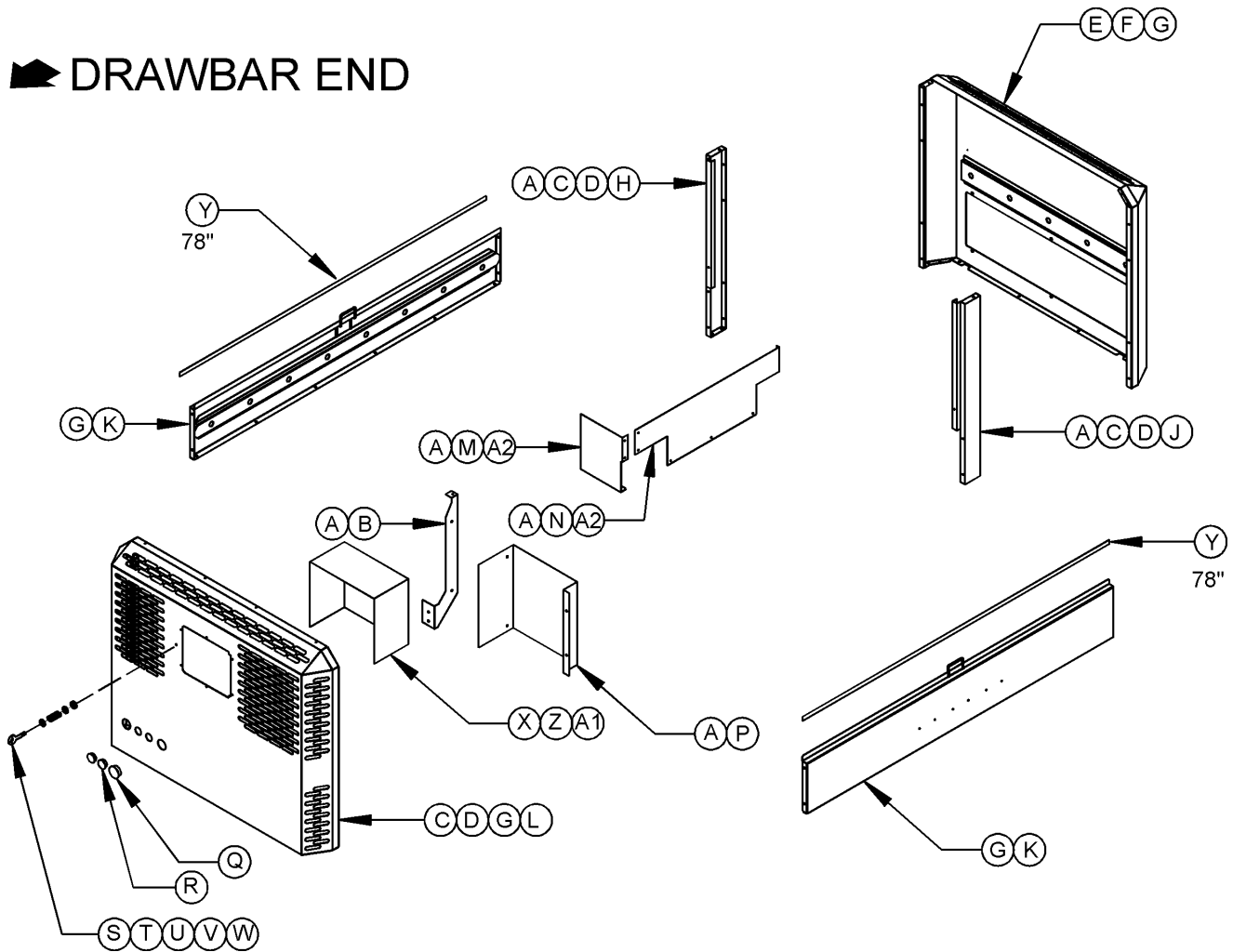


23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                           | QTY | DIMENSIONS/NOTES                             |
|------|-----------|---------------------------------------|-----|----------------------------------------------|
| A    | 54675020  | Panel, Lower Door Acoustic            | 2   | Prior to S/N 415418<br>Begin with S/N 415418 |
| 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   |                                              |
|      | 46546214  | Panel, Rear Corner Acoustic           | 2   |                                              |
| G    | 54746516  | Panel, Rear Side Acoustic             | 2   |                                              |
| H    | 54770524  | Panel, Lower Side Acoustic            | 1   |                                              |
| J    | 22272322  | Panel, Top Rail Acoustic              | 2   |                                              |
| K    | 54770490  | Panel, Top Lower Side Acoustic        | 2   |                                              |
| L    | 54674916  | Panel, Front End Cap Acoustic         | 1   |                                              |
| M    | 22074488  | Panel, Interior Baffle Front Acoustic | 1   |                                              |
| N    | 22074504  | Panel, Interior Baffle Front Acoustic | 1   |                                              |
| P    | 54674957  | Panel, Rear Top Access Acoustic       | 1   |                                              |

## Enclosure Lower

### ➡ DRAWBAR END

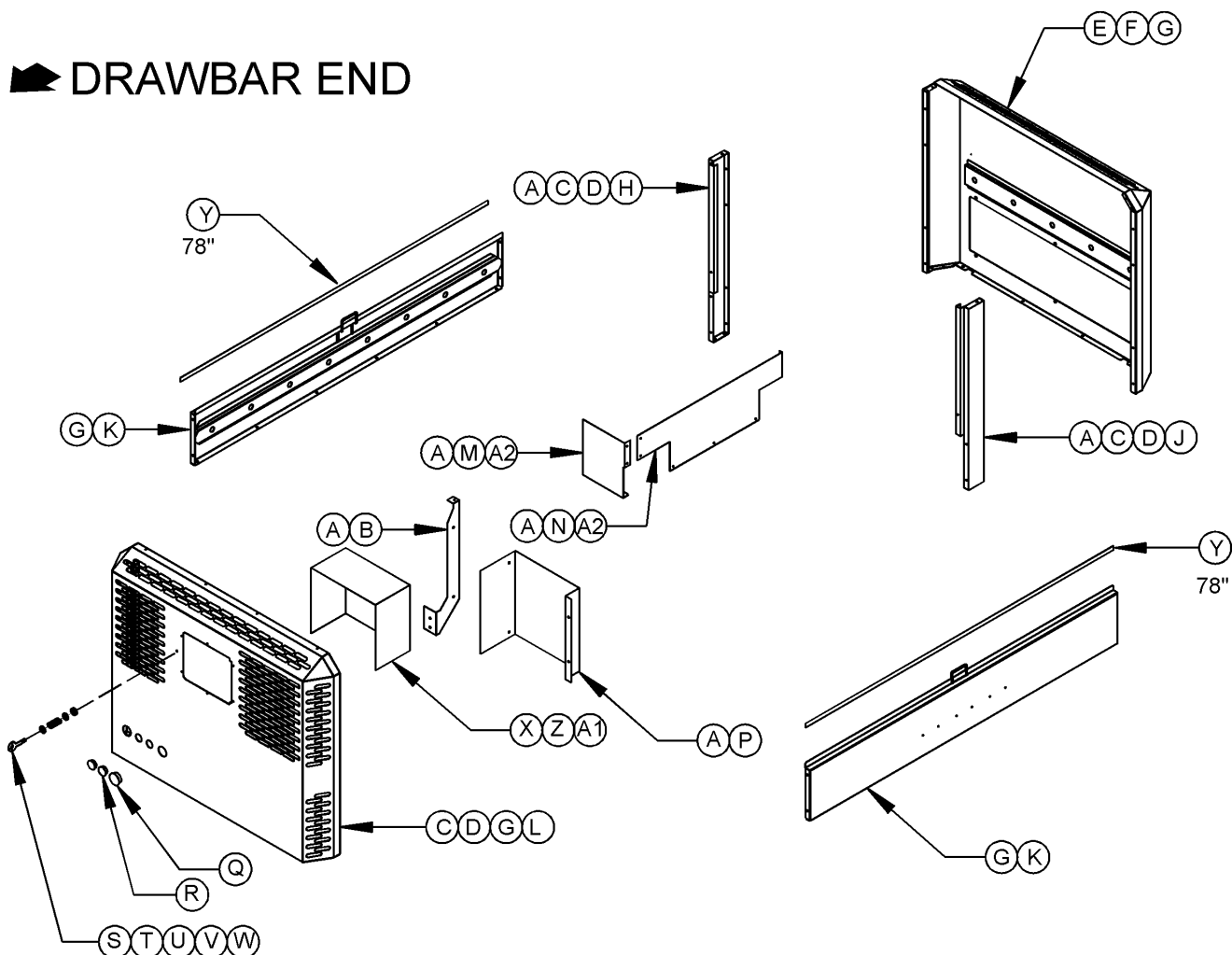


23209257\_11/07\_A

| ITEM | COMM. NO.  | DESCRIPTION                  | QTY | DIMENSIONS/NOTES      |
|------|------------|------------------------------|-----|-----------------------|
| A    | 36797652   | Screw, Tapping M06-1.0 X 12  | 101 |                       |
| B    | 54737622   | Bracket, Front Intake        | 1   |                       |
| C    | 35337328   | Stud, Ball                   | 6   |                       |
| D    | 36881886   | Nut, Hex Flange M08-1.25     | 6   |                       |
| E    | 54688254   | Panel, Rear End Cap          | 1   | Prior to S/N 415418   |
|      | 46544896GA | Panel, Rear End Cap          | 1   | Begin with S/N 415418 |
| F    | 35256452   | Receptacle, Quarter 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    | 22431928   | Panel, Small Toolbox         | 1   |                       |
|      |            |                              |     | <b>Continued...</b>   |

# Enclosure Lower

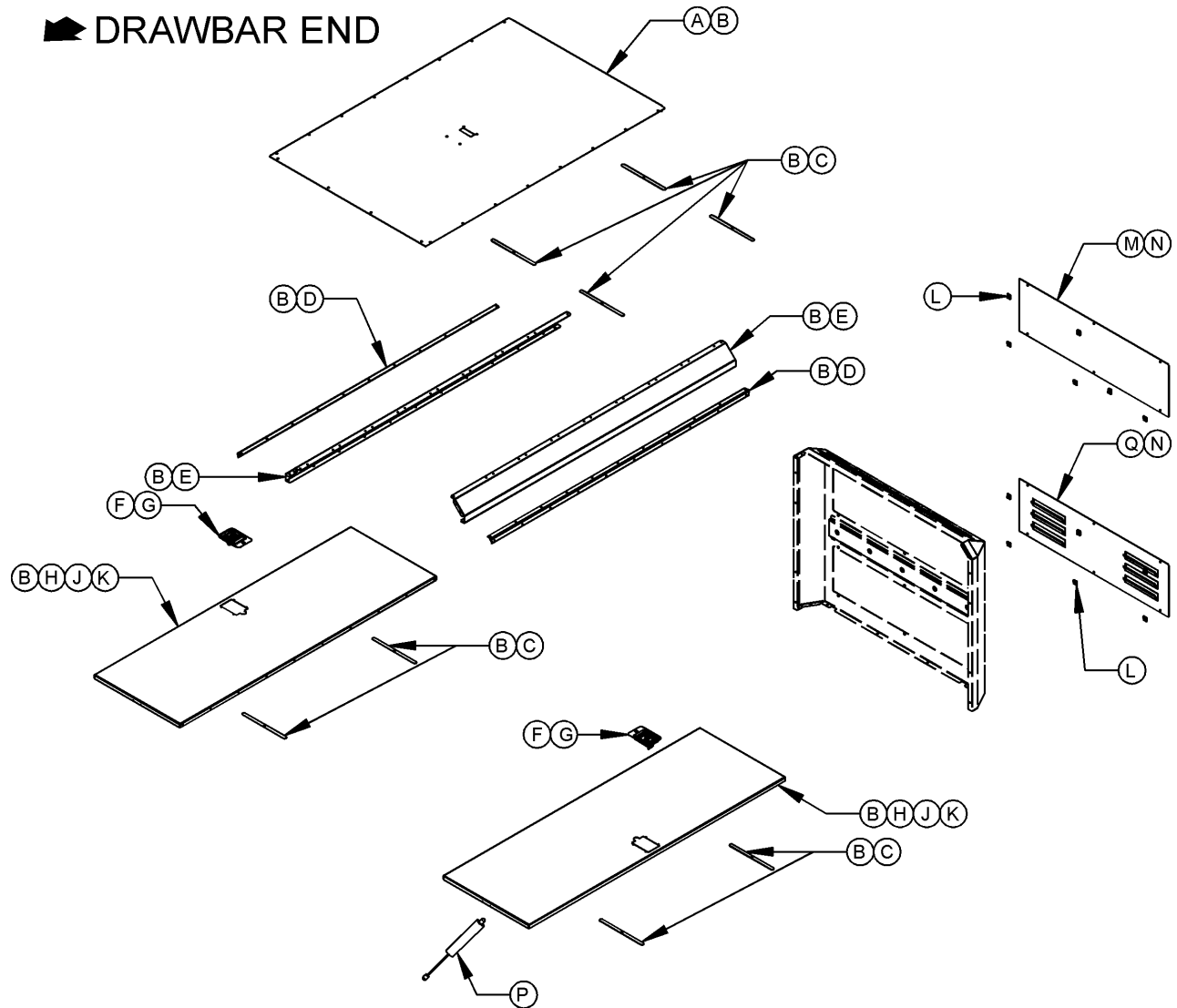
## ➡ DRAWBAR END



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES                             |
|------|-----------|------------------------------|-----|----------------------------------------------|
| N    | 22394258  | Panel, Toolbox               | 1   | <b>...Continued</b><br><br>See Lengths Above |
| P    | 22070908  | Baffle, Front Aftercooler    | 1   |                                              |
| Q    | 22058325  | Cover, Rear Instrument Panel | 1   |                                              |
| R    | 22068373  | Seal, Door                   | ~   |                                              |
| S    | 35607829  | Eyebolt                      | 1   |                                              |
| T    | 36772028  | Washer, Nylon                | 1   |                                              |
| U    | 35607837  | Spring                       | 1   |                                              |
| V    | 95935029  | Washer, Flat 1/4"            | 1   |                                              |
| W    | 95923298  | Nut, Hex Lock 1/4-20         | 1   |                                              |
| X    | 92368687  | Screw, Tapping M06-1.0 X 14  | 11  |                                              |
| Y    | 95916151  | Washer, Flat 3/16"           | 3   |                                              |
| Z    | 95972188  | Rivet, .19 Aluminum          | 3   |                                              |

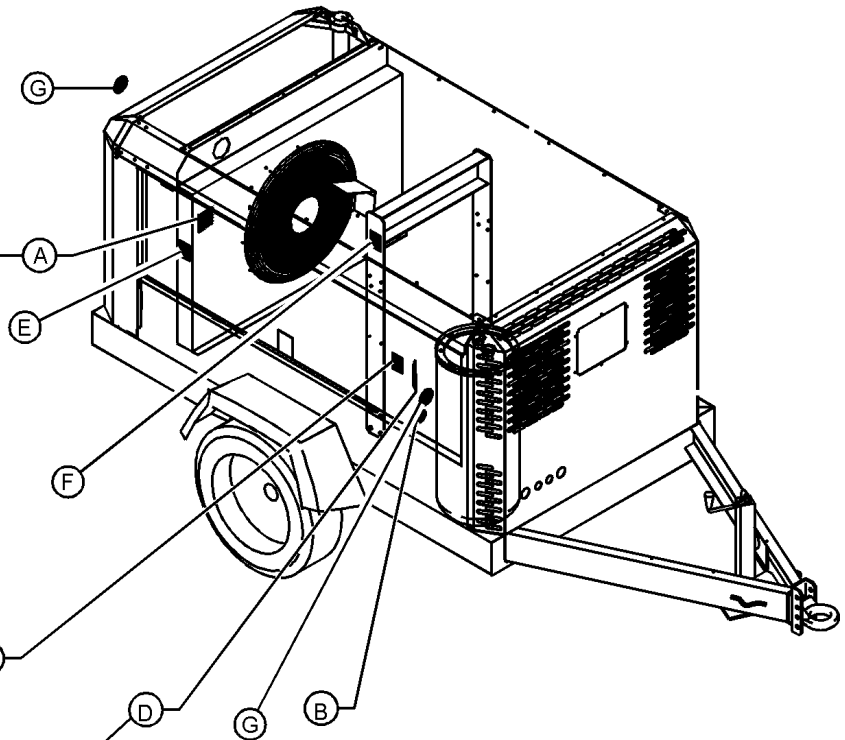
## Enclosure Upper



23209257\_11/07\_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, 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 Quarter Turn | 12  |                  |
| M    | 54694831  | Panel, Rear Access            | 1   |                  |
| N    | 35256429  | Stud, Quarter Turn            | 12  |                  |
| P    | 35600261  | Spring, Gas                   | 4   |                  |
| Q    | 54760483  | Panel, Louvered Access        | 1   |                  |

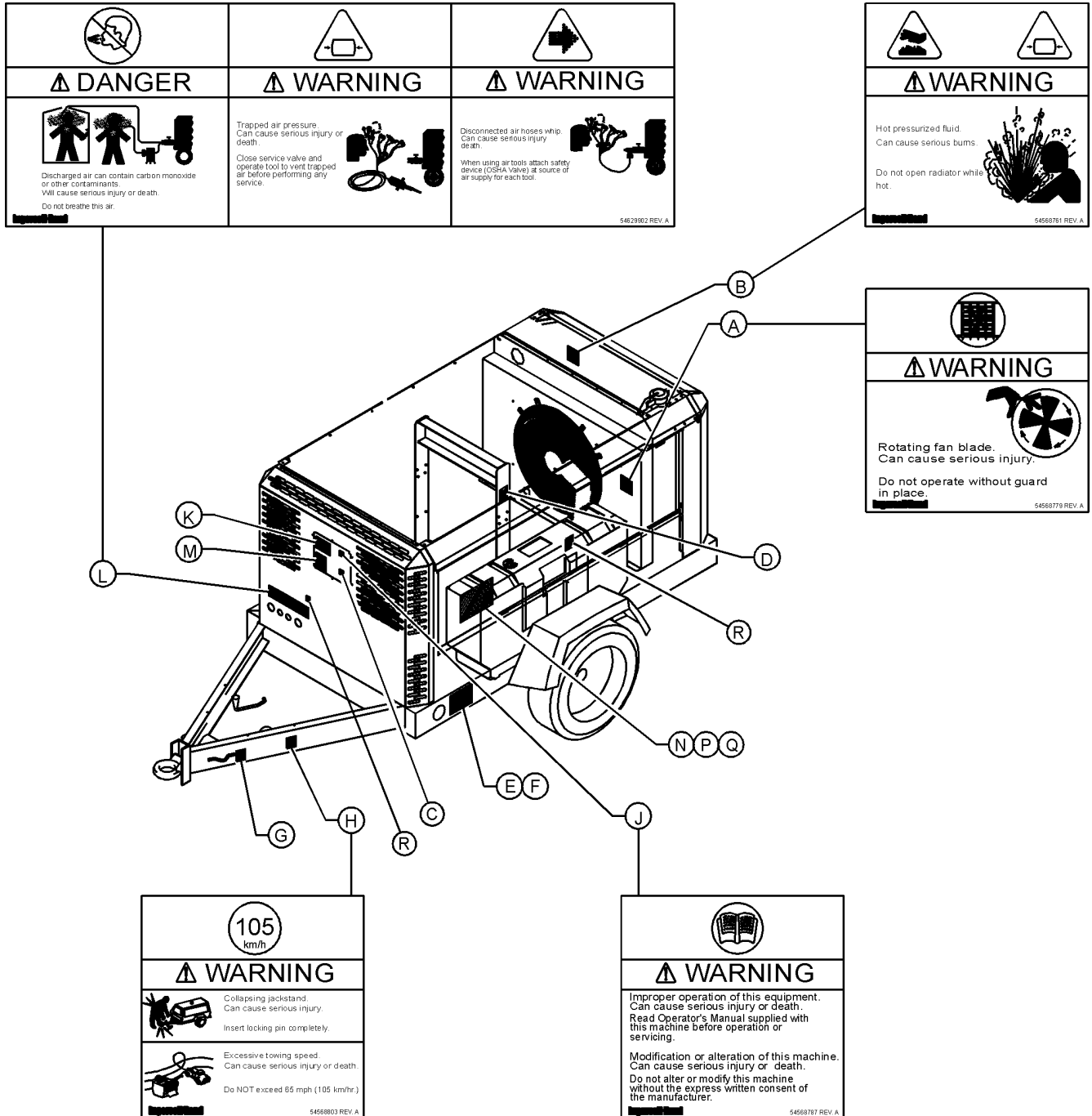
## Decal Location CRBSD



23209257\_11/07\_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   |                  |
| F    | 54454756  | Caution, NO Weld       | 1   |                  |
| G    | 54660024  | Decal, Genuine Parts   | 2   |                  |

## Decal Location STSD



23209257\_11/07\_A

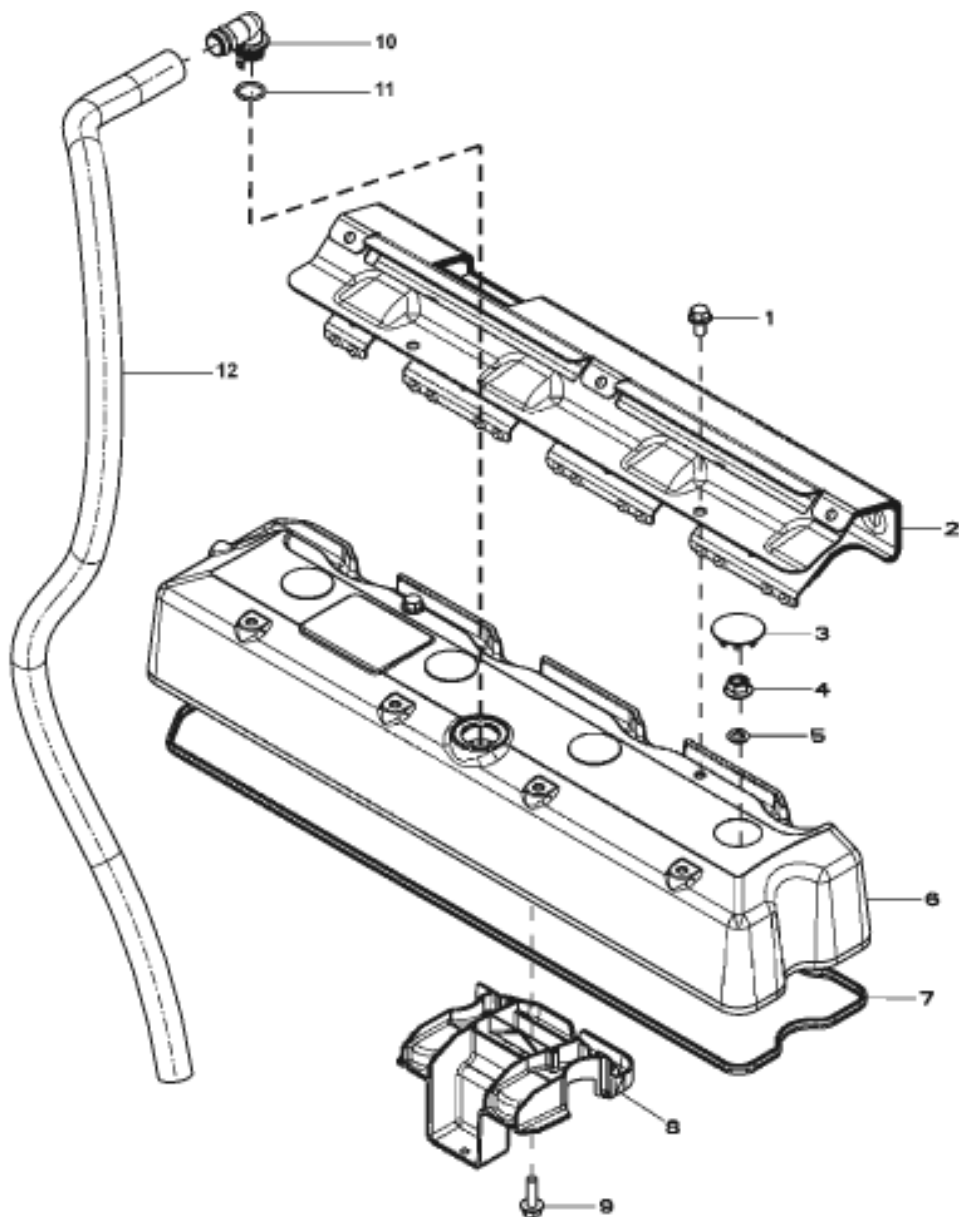
| ITEM | COMM. NO. | DESCRIPTION                   | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------|-----|------------------|
| A    | 54568779  | Warning, Rotating Fan         | 1   |                  |
| B    | 54568761  | Warning, Hot Fluid            |     |                  |
| C    | 54454756  | Caution, NO Weld              | 1   |                  |
| D    | 54625207  | Decal, Diesel Fuel            | 1   |                  |
| E    | 36531176  | Decal, V.I.N.                 | 1   |                  |
| F    | 36541602  | Decal, EPA Noise              |     |                  |
| G    | 54604921  | Notice, Tow Chains            | 1   |                  |
| H    | 54568803  | Warning, Towing               | 1   |                  |
| J    | 54568787  | Warning, Improper Operation   | 1   |                  |
| K    | 54749163  | Decal, Operating Instructions | 1   |                  |
| L    | 54629902  | Danger/Warning, 3-Part Combo  | 1   |                  |
| M    | 22299051  | Decal, Symbol Interpretation  | 1   |                  |
| N    | 22068282  | Screw, Tapping M04 X 25       | 2   |                  |
| P    | 22394308  | Laminate Set                  | 1   |                  |
| Q    | 36788982  | Binder, 3-Ring                | 1   |                  |
| R    | 54640016  | Decal, Powertrain Warranty    | 2   |                  |





## **Section C - ENGINE PARTS**

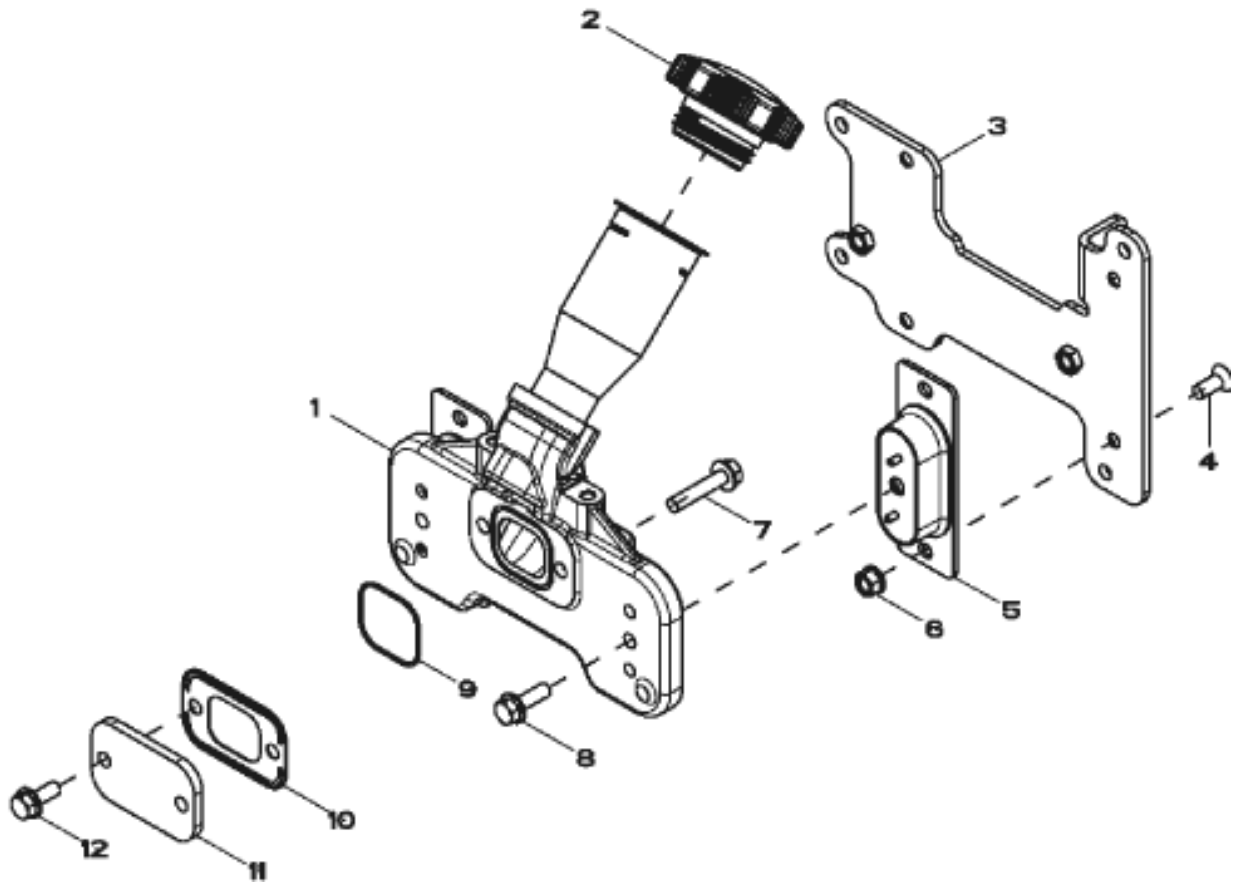
## Valve Cover



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| 1    | 23230162  | Screw, Hex Flange M06-1.0 X 12 | 2   |                  |
| 2    | 23229750  | Shield, Heat                   | 1   |                  |
| 3    | 36102929  | Plug                           | 4   |                  |
| 4    | 36106763  | Nut, Hex Flange M08-1.25       | 4   |                  |
| 5    | 36106771  | O-Ring, 7.595 X 2.616 mm       | 4   |                  |
| 6    | 23229727  | Cover, Valve                   | 1   |                  |
| 7    | 23229883  | Gasket, Valve Cover            | 1   |                  |
| 8    | 23230196  | Deflector                      | 1   |                  |
| 9    | 24898918  | Screw, Hex Flange M06-1.0 X 20 | 1   |                  |
| 10   | 36105062  | Elbow, Fitting                 | 1   |                  |
| 11   | 36110385  | O-Ring, 18.72 X 2.616 mm       | 1   |                  |
| 12   | 24899171  | Hose                           | 1   |                  |

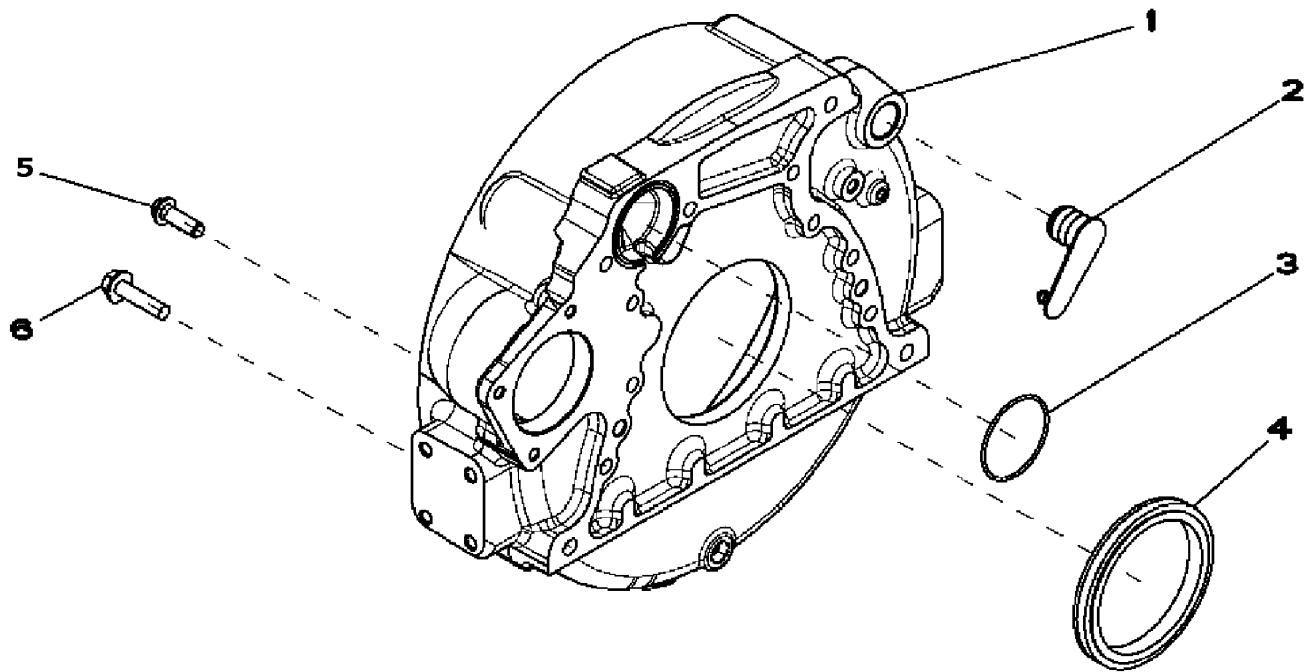
## Oil Fill Neck



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                      | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------|-----|------------------|
| 1    | 23230188  | Neck, Oil Filler                 | 1   |                  |
| 2    | 23229909  | Cap, Oil Filler                  | 1   |                  |
| 3    | 23230212  | Bracket, ECU Mounting            | 1   |                  |
| 4    | 23236912  | Screw, Button Head M08-1.25 X 20 | 4   |                  |
| 5    | 23236938  | Isolator                         | 2   |                  |
| 6    | 24898801  | Nut, Hex Flange M08-1.25         | 4   |                  |
| 7    | 85471092  | Screw, Hex M08-1.25 X 40         | 2   |                  |
| 8    | 85470417  | Screw, Hex Flange M08-1.25 X 25  | 2   |                  |
| 9    | 23229560  | O-Ring, 47.346 X 1.778 mm        | 1   |                  |
| 10   | 36108595  | Gasket, Oil Filler Port          | 1   |                  |
| 11   | 36104602  | Cover, Oil Filler Port           | 1   |                  |
| 12   | 36118149  | Screw, Hex Flange M08-1.25 X 20  | 2   |                  |

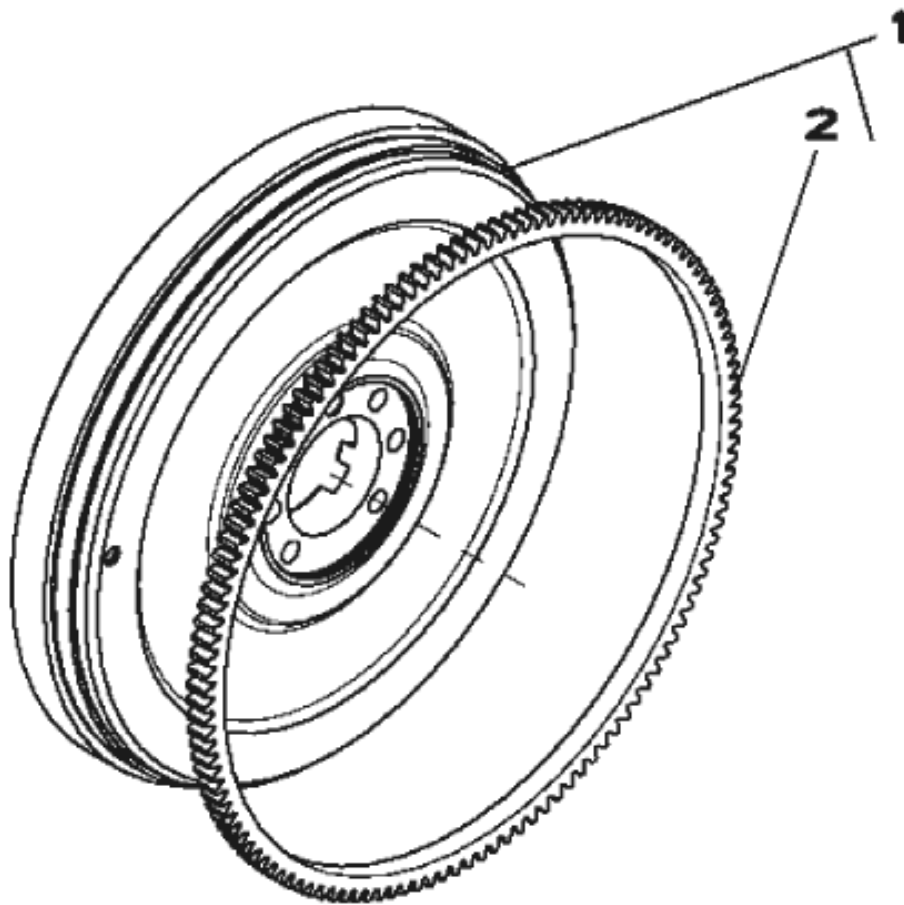
## Flywheel Housing



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                         | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------------|-----|------------------|
| 1    | 24899346  | Housing, Flywheel                   | 1   |                  |
| 2    | 36108009  | Plug                                | 1   |                  |
| 3    | 24899478  | O-RING, 69.52 X 2.616 mm            | 1   |                  |
| 4    | 36114015  | Seal, Rear Oil                      | 1   |                  |
| 5    | 36108579  | Screw, Special Flange M12-1.75 X 38 | 8   |                  |
| 6    | 85470003  | Screw, Hex Flange M12-1.75 X 50     | 4   |                  |

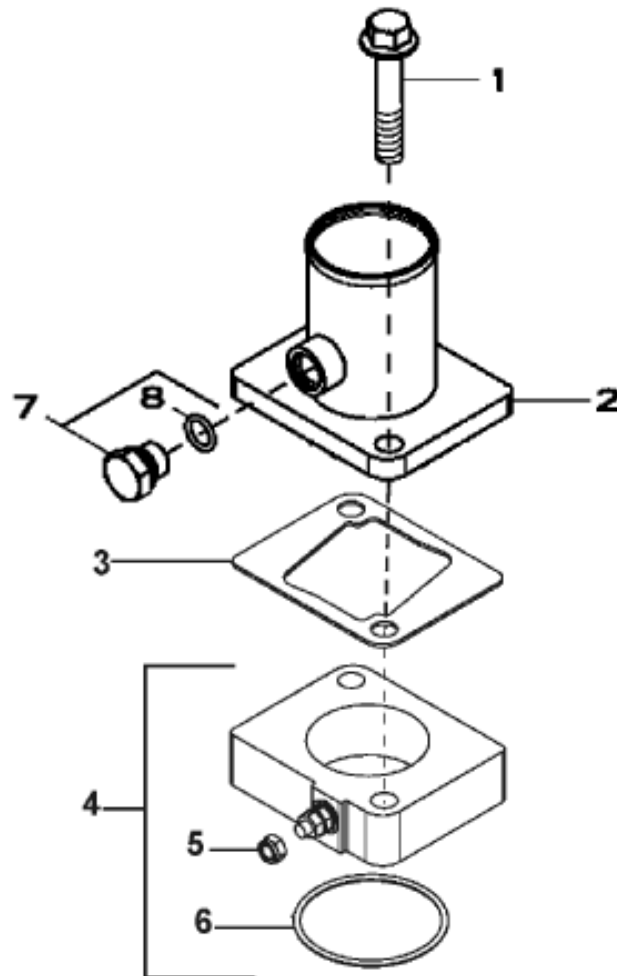
# Flywheel



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION           | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------|-----|------------------|
| 1    | 24899510  | Flywheel w/ Ring Gear | 1   |                  |
| 2    | 36108819  | Gear, Ring            | 1   |                  |

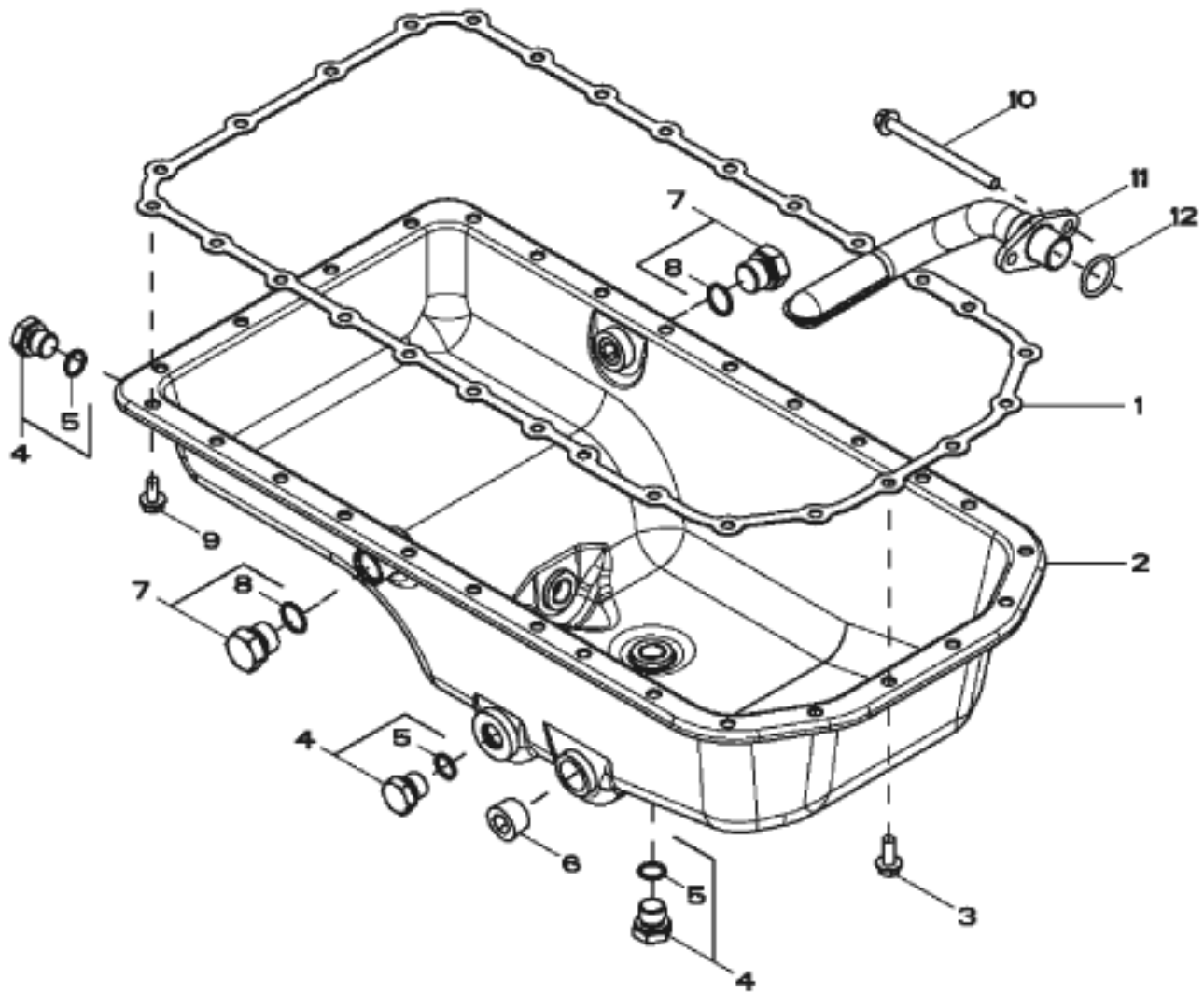
## Intake Air Manifold



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                       | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------------|-----|------------------|
| 1    | 85470474  | Screw, Hex Flange M10-1.50 X 50   | 2   |                  |
| 2    | 36137461  | Manifold, Air Intake              | 1   |                  |
| 3    | 36114072  | Gasket, Intake Manifold / Adapter | 1   |                  |
| 4    | 85473999  | Heater, 24V Air Intake            | 1   |                  |
| 5    | 36100154  | Nut, Hex Lock M06-1.0             | 1   |                  |
| 6    | 85472587  | O-Ring, 58.42 X 2.616 mm          | 1   |                  |
| 7    | 85472017  | Plug w/ O-Ring, M14-2             | 1   |                  |
| 8    | 36128916  | O-Ring, 11.30 X 2.20 mm           | 1   |                  |

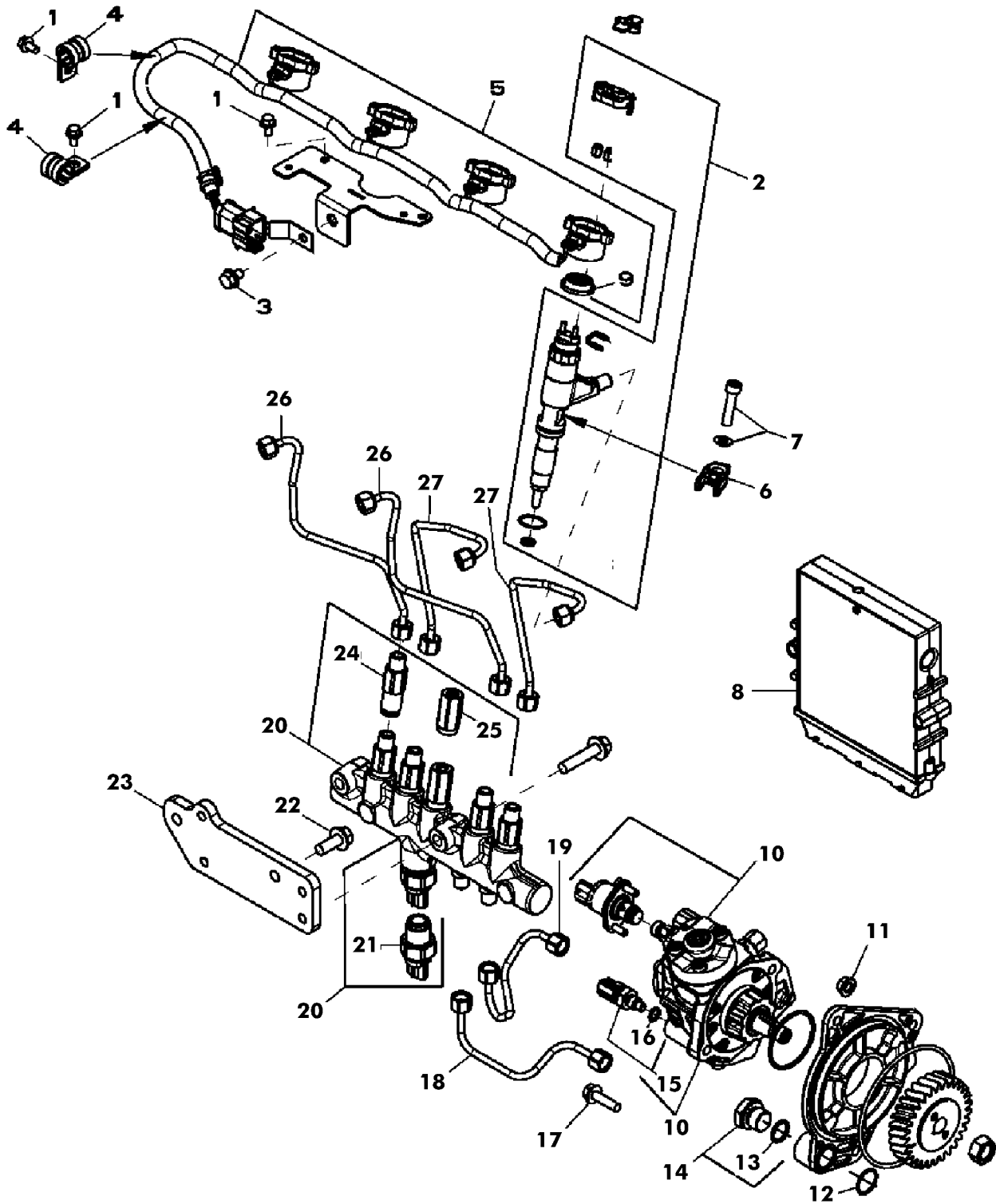
## Oil Pan



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                      | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------|-----|------------------|
| 1    | 36106201  | Gasket, Oil Pan                  | 1   |                  |
| 2    | 23207335  | Pan, Oil                         | 1   |                  |
| 3    | 24898934  | Screw, Hex Flange M08-1.25 X 20  | 6   |                  |
| 4    | 36114080  | Plug w/ O-Ring, M18-2.5 X 1.5    | 3   |                  |
| 5    | 85470623  | O-Ring, 15.3 X 2.20 mm           | 1   |                  |
| 6    | 36100261  | Plug, Pipe 3/4" NPT              | 1   |                  |
| 7    | 36114106  | Plug w/ O-Ring, M22 -2.5 X 1.5   | 2   |                  |
| 8    | 85470649  | O-Ring, 19.30 X 2.20 mm          | 2   |                  |
| 9    | 85470425  | Screw, Hex Flange M08-1.25 X 16  | 22  |                  |
| 10   | 85470508  | Screw, Hex Flange M08-1.25 X 100 | 2   |                  |
| 11   | 36115525  | Tube, Oil Pump Intake            | 1   |                  |
| 12   | 36019932  | O-Ring, 24.990 X 3.530 mm        | 1   |                  |

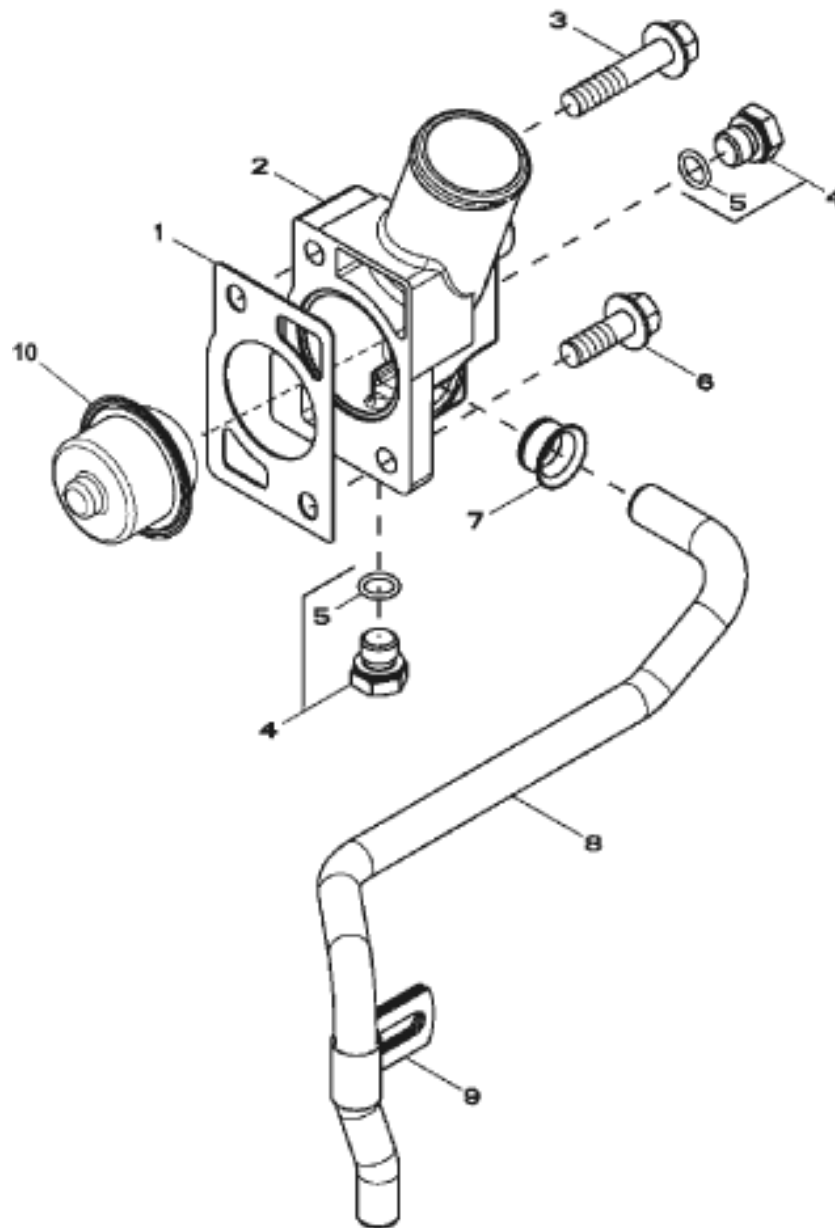
# Fuel Injection Pump



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                      | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------|-----|------------------|
| 1    | 23230071  | Screw, Hex Cap M08-1.25 X 12     | 1   |                  |
| 2    | 23230279  | Injector, Electronic Unit        | 4   |                  |
| 3    | 23230162  | Screw, Hex Flange M06-1.0 X 12   | 4   |                  |
| 4    | 23230329  | Clamp                            | 2   |                  |
| 5    | 23236953  | Harness, Instrument Panel Wiring | 1   |                  |
| 6    | 23229636  | Clamp                            | 4   |                  |
| 7    | 23230170  | Screw with Washer                | 4   |                  |
| 8    | 23230113  | Control Unit, Engine (ECU)       | 1   |                  |
| 9    | 23229792  | Seal                             | 1   |                  |
| 10   | 36138006  | Pump, Fuel Injection             | 1   |                  |
| 11   | 24898801  | Nut, Hex Flange M08-1.25         | 3   |                  |
| 12   | 23016652  | O-Ring, 21.95 X 1.78 mm          | 1   |                  |
| 13   | 85470631  | O-Ring, 17.30 X 2.20 mm          | 1   |                  |
| 14   | 85473502  | Plug w/ O-Ring, M20-2.5 X 1.5    | 1   |                  |
| 15   | 23229974  | Sensor, Fuel Temperature         | 1   |                  |
| 16   | 23229586  | O-Ring, 9.804 X 1.905 mm         | 1   |                  |
| 17   | 24898926  | Screw, Hex Flange M08-1.25 X 30  | 2   |                  |
| 18   | 23230154  | Line, Fuel                       | 1   |                  |
| 19   | 23230147  | Line, Fuel                       | 1   |                  |
| 20   | 23230022  | Rail, Fuel                       | 1   |                  |
| 21   | 23230014  | Sensor, Fuel Rail                | 1   |                  |
| 22   | 18969410  | Screw, Hex Flange M10-1.5 X 25   | 2   |                  |
| 23   | 23229768  | Bracket, Fuel Rail               | 1   |                  |
| 24   | 23229958  | Restrictor                       | 4   |                  |
| 25   | 23229966  | Valve, Pressure Relief           | 1   |                  |
| 26   | 23230139  | Line, Fuel                       | 2   |                  |
| 27   | 23230121  | Line, Fuel                       | 2   |                  |

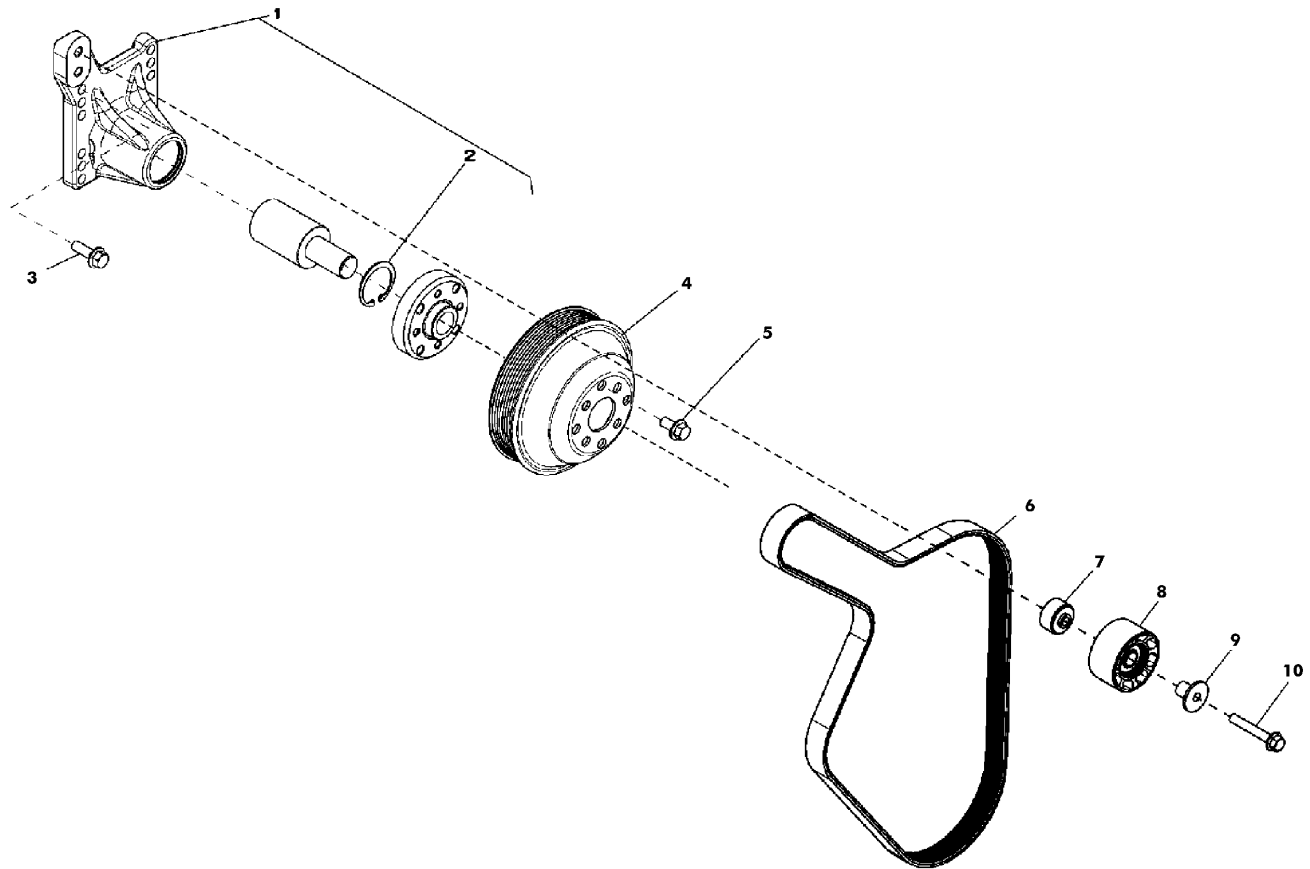
## Thermostat and Housing



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| 1    | 36108561  | Gasket, Thermostat Housing     | 1   |                  |
| 2    | 36107910  | Housing, Thermostat            | 1   |                  |
| 3    | 85470474  | Screw, Hex Flange M10-1.5 X 50 | 1   |                  |
| 4    | 36114072  | Plug w/ O-Ring, M14-2 X 1.5    | AR  |                  |
| 5    | 36128916  | O-Ring, 11.30 X 2.20 mm        | AR  |                  |
| 6    | 18969402  | Screw, Hex Flange M10-1.5 X 30 | 1   |                  |
| 7    | 36106060  | Gasket, WaterR By-Pass Tube    | 1   |                  |
| 8    | 23229743  | Tube                           | 1   |                  |
| 9    | 36106177  | Clamp                          | 1   |                  |
| 10   | 36117463  | Thermostat                     | 1   |                  |

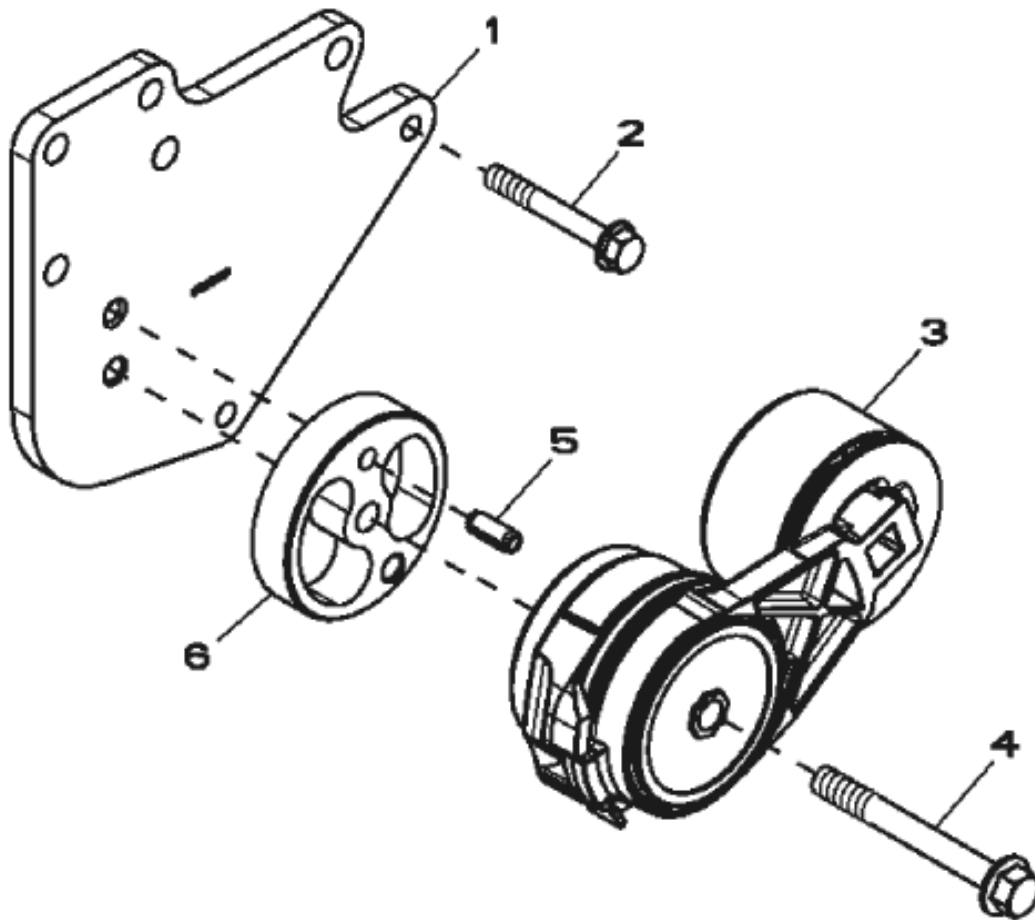
## Fan Drive



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| 1    | 85473700  | Support, Fan Drive             | 1   |                  |
| 2    | 36102838  | Ring, Snap                     | 1   |                  |
| 3    | 18969402  | Screw, Hex Flange M10-1.5 X 30 | 4   |                  |
| 4    | 36107480  | Pulley, Fan                    | 1   |                  |
| 5    | 85470359  | Screw, Hex Flange M10-1.5 X 20 | 4   |                  |
| 6    | 23094170  | V-Belt                         | 1   |                  |
| 7    | 85472280  | Spacer, Idle Pulley            | 1   |                  |
| 8    | 36114486  | Pulley, Idle                   | 1   |                  |
| 9    | 36103828  | Sleeve, Idle Pulley            | 1   |                  |
| 10   | 24898876  | Screw, Hex Flange M10-1.5 X 65 | 1   |                  |

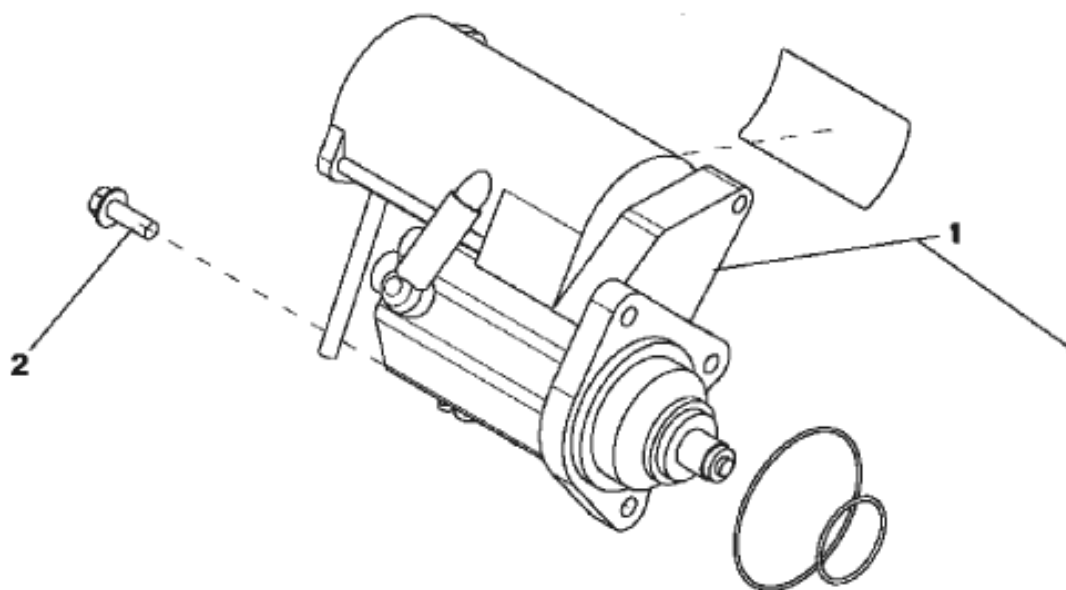
## Belt Tensioner



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| 1    | 23019458  | Support, Idle Tensioner         | 1   |                  |
| 2    | 18969428  | Screw, Hex Flange M08-1.25 X 60 | 2   |                  |
| 3    | 36136869  | Tensioner, Idle                 | 1   |                  |
| 4    | 23236920  | Screw, Hex Flange M10-1.5 X 90  | 1   |                  |
| 5    | 24899056  | Pin, Spring M08 X 20            | 1   |                  |
| 6    | 23017189  | Spacer, Idle Tensioner          | 1   |                  |

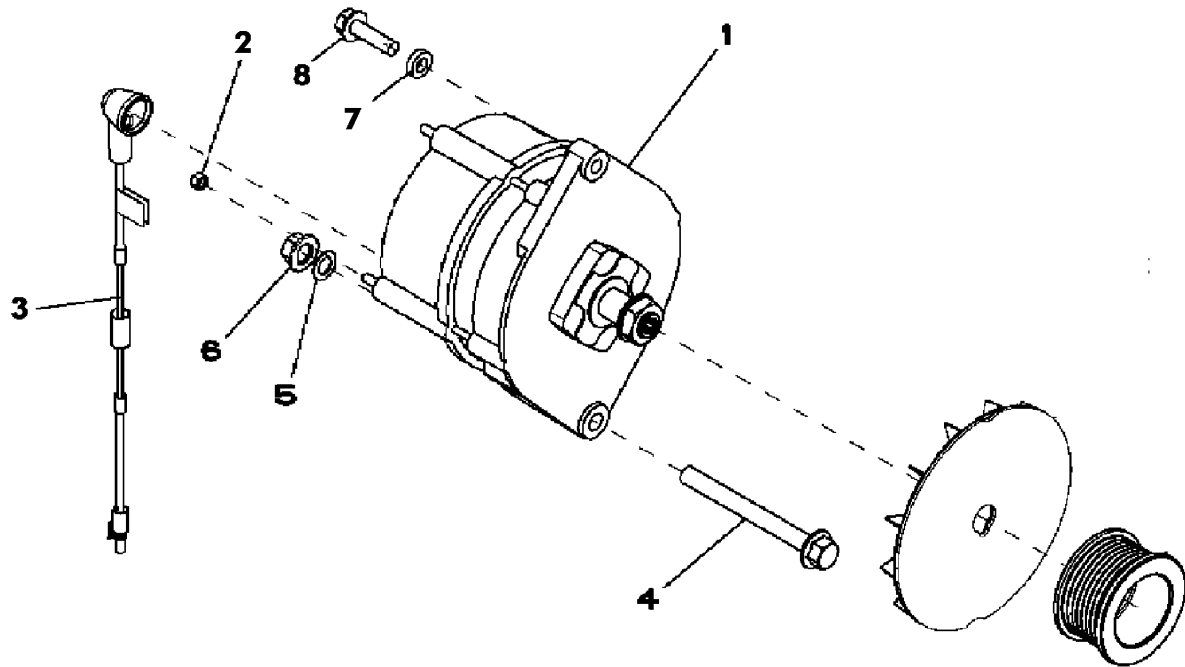
## Starter



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| 1    | 22206213  | Starter                        | 1   |                  |
| 2    | 24898843  | Screw, Hex Flange M10-1.5 X 30 | 3   |                  |

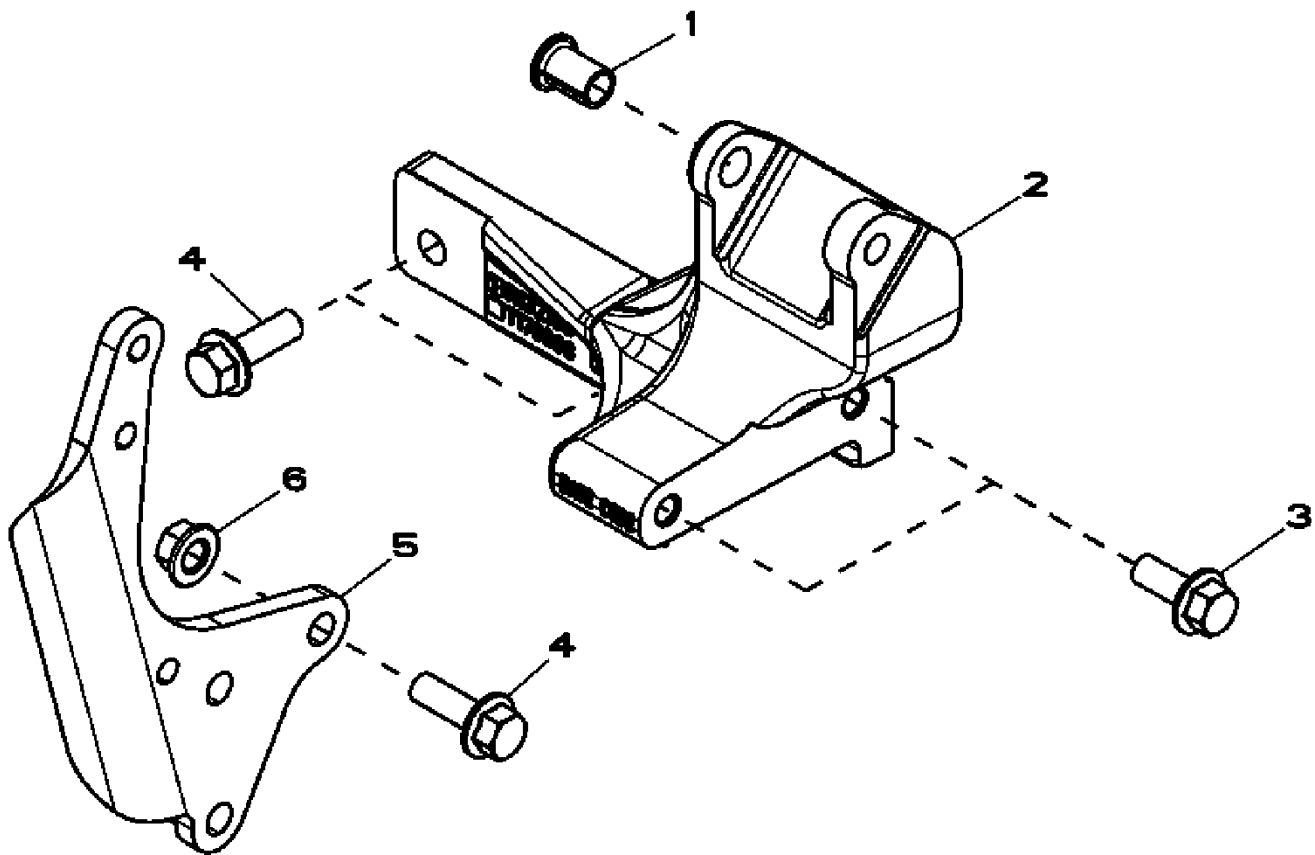
# Alternator



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| 1    | 23229511  | Alternator                      | 1   |                  |
|      | 22206221  | Alternator (Remanufactured)     | AR  |                  |
| 2    | 18963496  | Nut, Hex M05-0.8                | 1   |                  |
| 3    | 18966077  | Harness, Wiring                 | 1   |                  |
| 4    | 24898884  | Screw, Hex Flange M10-1.5 X 100 | 1   |                  |
| 5    | 36110112  | Washer, Thrust M10              | 1   |                  |
| 6    | 36100188  | Nut, Hex Flange M10-1.5         | 1   |                  |
| 7    | 36920114  | Washer, Flat M08                | 1   |                  |
| 8    | 24898926  | Screw, Hex Flange M08-1.25 X 30 | 1   |                  |

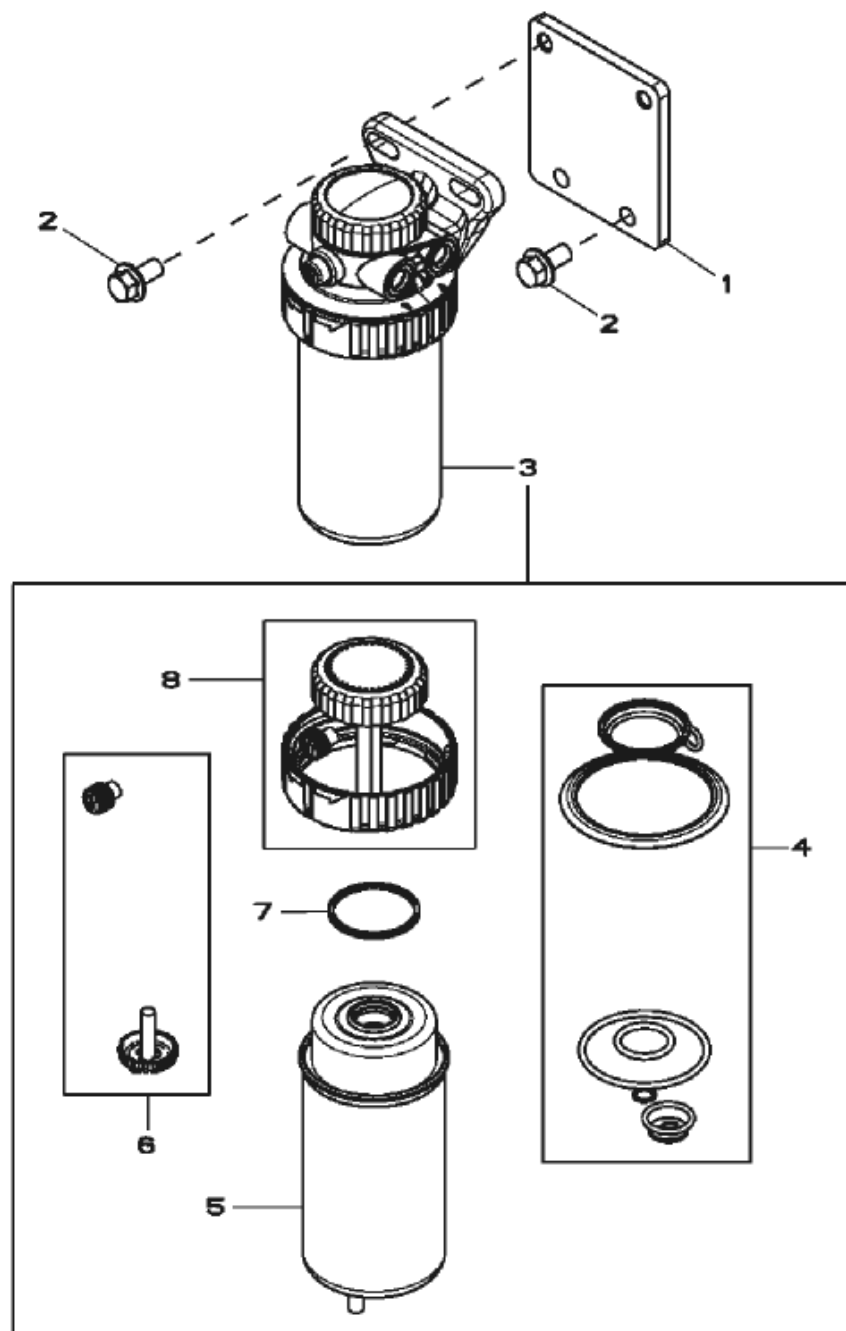
## Alternator Brackets



23209257\_11-07\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| 1    | 36103232  | Bushing, Alternator Pivot      | 1   |                  |
| 2    | 36108066  | Bracket, Alternator Mounting   | 1   |                  |
| 3    | 18969410  | Screw, Hex Flange M10-1.5 X 25 | 2   |                  |
| 4    | 18969402  | Screw, Hex Flange M10-1.5 X 30 | 5   |                  |
| 5    | 36108074  | Strap, Alternator Adjust       | 1   |                  |
| 6    | 36100188  | Nut, Hex Flange M10-1.5        | 3   |                  |

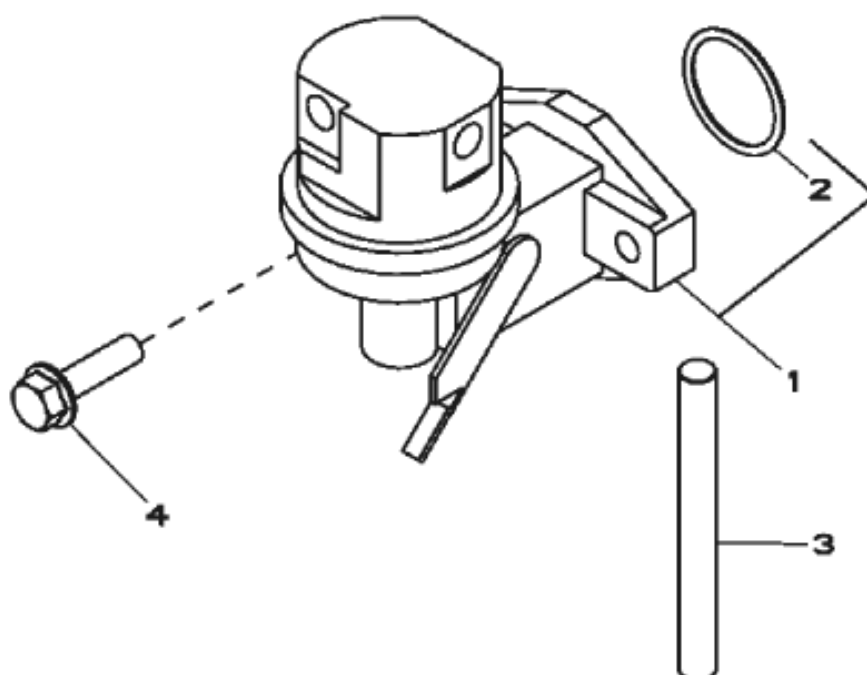
## Final Fuel Filter



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| 1    | 24899452  | Bracket, Fuel Filter           | 1   |                  |
| 2    | 85470359  | Screw, Hex Flange M10-1.5 X 20 | 4   |                  |
| 3    | 23230055  | Filter Assembly, Final Fuel    | 1   |                  |
| 4    | 36114445  | Kit, Seal                      | 1   |                  |
| 5    | 22969257  | Element, Fuel Filter           | 1   |                  |
| 6    | 36116648  | Kit, Fuel Filter Drain         | 1   |                  |
| 7    | 24899932  | Kit, O-Ring                    | 1   |                  |
| 8    | 36114536  | Kit, Fuel Filter Seal          | 1   |                  |

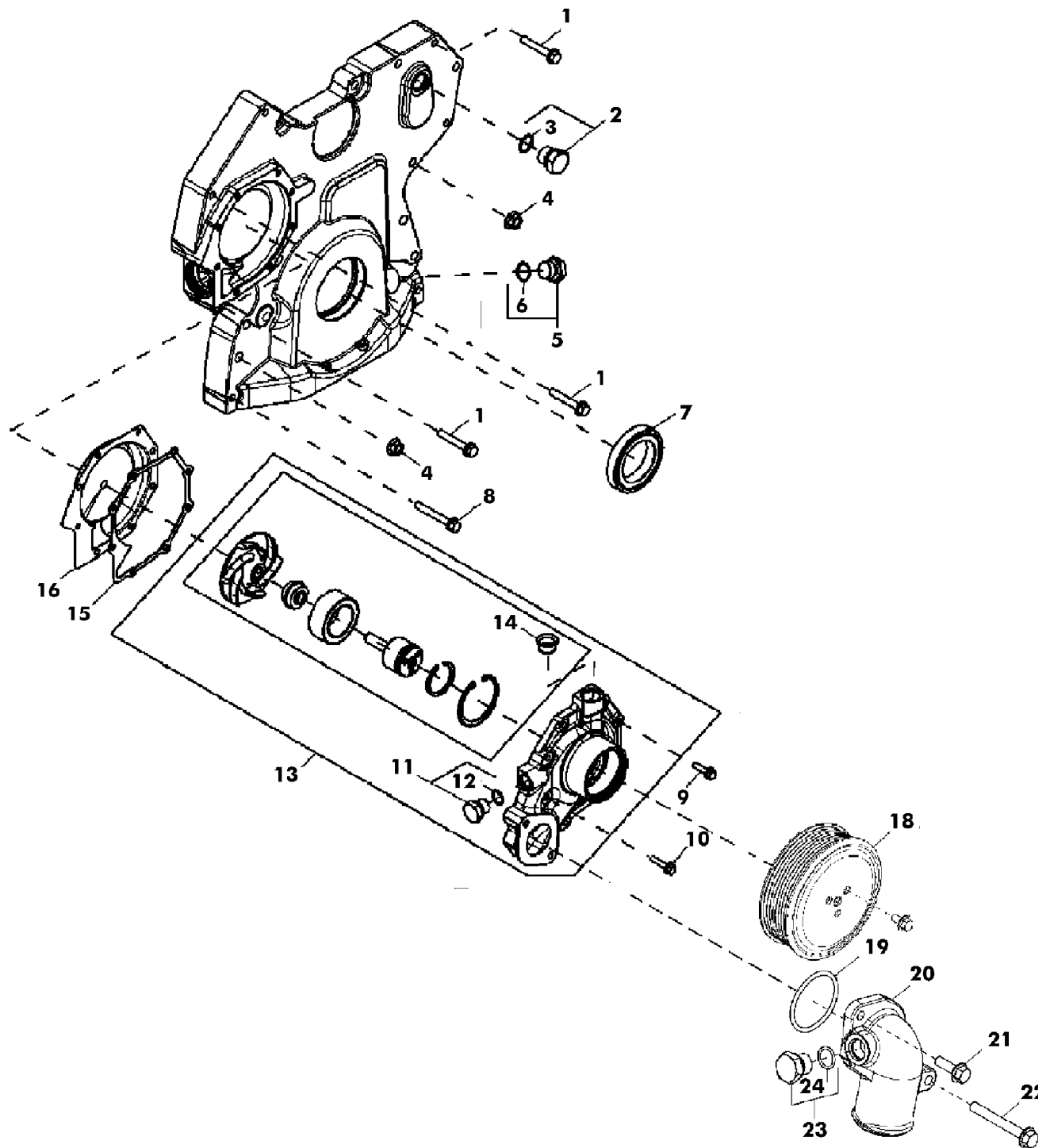
## Fuel Transfer Pump



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| 1    | 23229982  | Pump, Fuel                      | 1   |                  |
| 2    | 36106102  | O-Ring, 31.42 X 2.616 mm        | 1   |                  |
| 3    | 36108371  | Rod, Push                       | 1   |                  |
| 4    | 24899536  | Screw, Hex Flange M08-1.25 X 30 | 2   |                  |

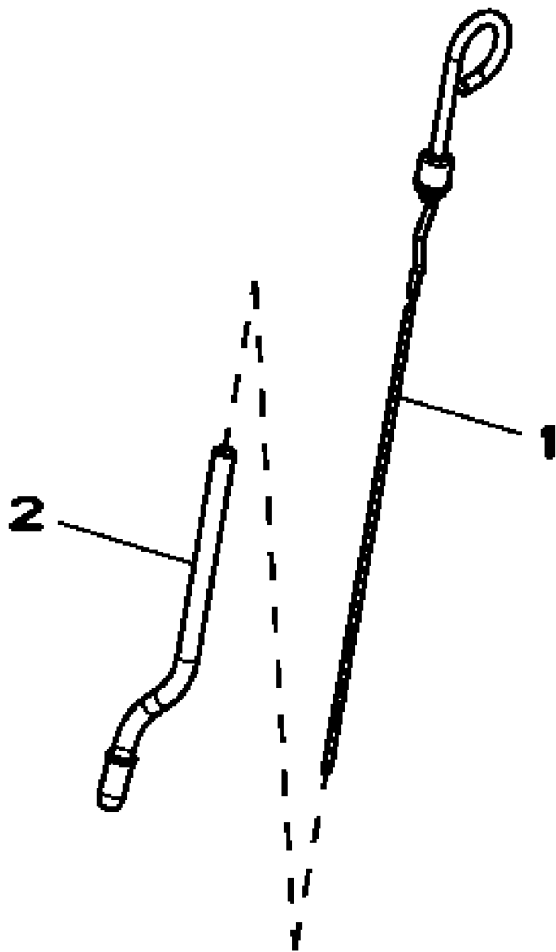
## Timing Gear and Water Pump



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| 1    | 85471142  | Screw, Hex Flange M08-1.25 X 50 | 5   |                  |
| 2    | 36114106  | Plug w/ O-Ring, M22 -2.5 X 1.5  | 1   |                  |
| 3    | 85470649  | O-Ring, 19.30 X 2.20 mm         | 1   |                  |
| 4    | 36100188  | Nut, Hex Flange M10-1.5         | 9   |                  |
| 5    | 85473502  | Plug w/ O-Ring, M20-2.5 X 1.5   | 1   |                  |
| 6    | 85470631  | O-Ring, 17.30 X 2.20 mm         | 1   |                  |
| 7    | 23236961  | Seal, Front                     | 1   |                  |
| 8    | 18969428  | Screw, Hex Flange M08-1.25 X 60 | 3   |                  |
| 9    | 85471167  | Screw, Hex Flange M06-1.0 X 25  | 5   |                  |
| 10   | 85471183  | Screw, Hex Flange M06-1.0 X 30  | 3   |                  |
| 11   | 36114080  | Plug w/ O-Ring, M18-2.5 X 1.5   | 1   |                  |
| 12   | 85470623  | O-Ring, 15.3 X 2.20 mm          | 1   |                  |
| 13   | 24899601  | Pump, Water                     | 1   |                  |
| 14   | 36106060  | Gasket, Water By-Pass Tube      | 2   |                  |
| 15   | 36106250  | Gasket, Water Pump              | 1   |                  |
| 16   | 36136125  | Insert Kit, Water Pump          | 1   |                  |
| 17   | 36133403  | O-Ring, 37.694 X 3.531 mm       | 1   |                  |
| 18   | 36105245  | Pulley                          | 1   |                  |
| 19   | 36111425  | O-Ring, 37.694 X 3.531 mm       | 1   |                  |
| 20   | 18965087  | Housing, Water Pump Inlet       | 1   |                  |
| 21   | 85470417  | Screw, Hex Flange M08-1.25 X 25 | 1   |                  |
| 22   | 23110984  | Screw, Hex Flange M08-1.25 X 65 | 1   |                  |
| 23   | 36114080  | Plug w/ O-Ring, M18-2.5 X 1.5   | 1   |                  |
| 24   | 85470623  | O-Ring, 15.3 X 2.20 mm          | 1   |                  |

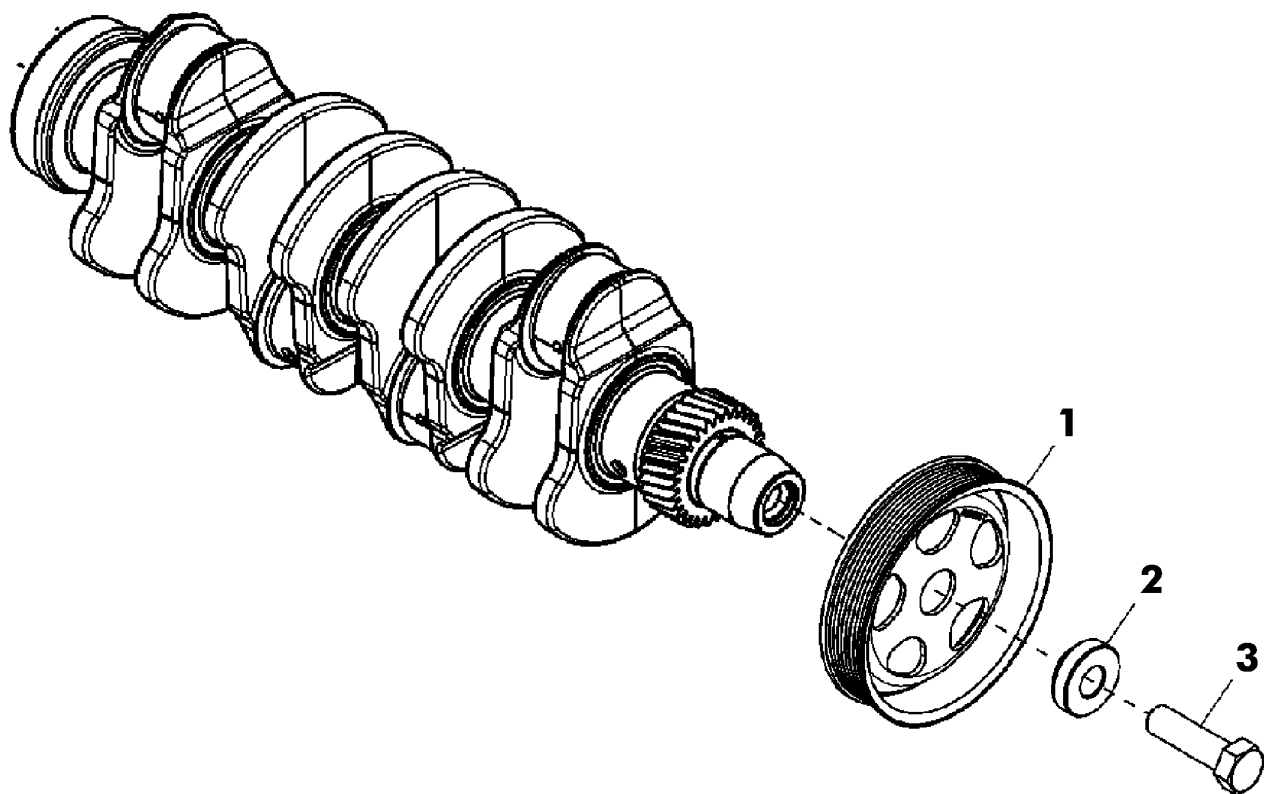
Dipstick



23209257\_10-07\_A

| ITEM | COMM. NO. | DESCRIPTION    | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------|-----|------------------|
| 1    | 36124899  | Dipstick       | 1   |                  |
| 2    | 36107787  | Tube, Dipstick | 1   |                  |

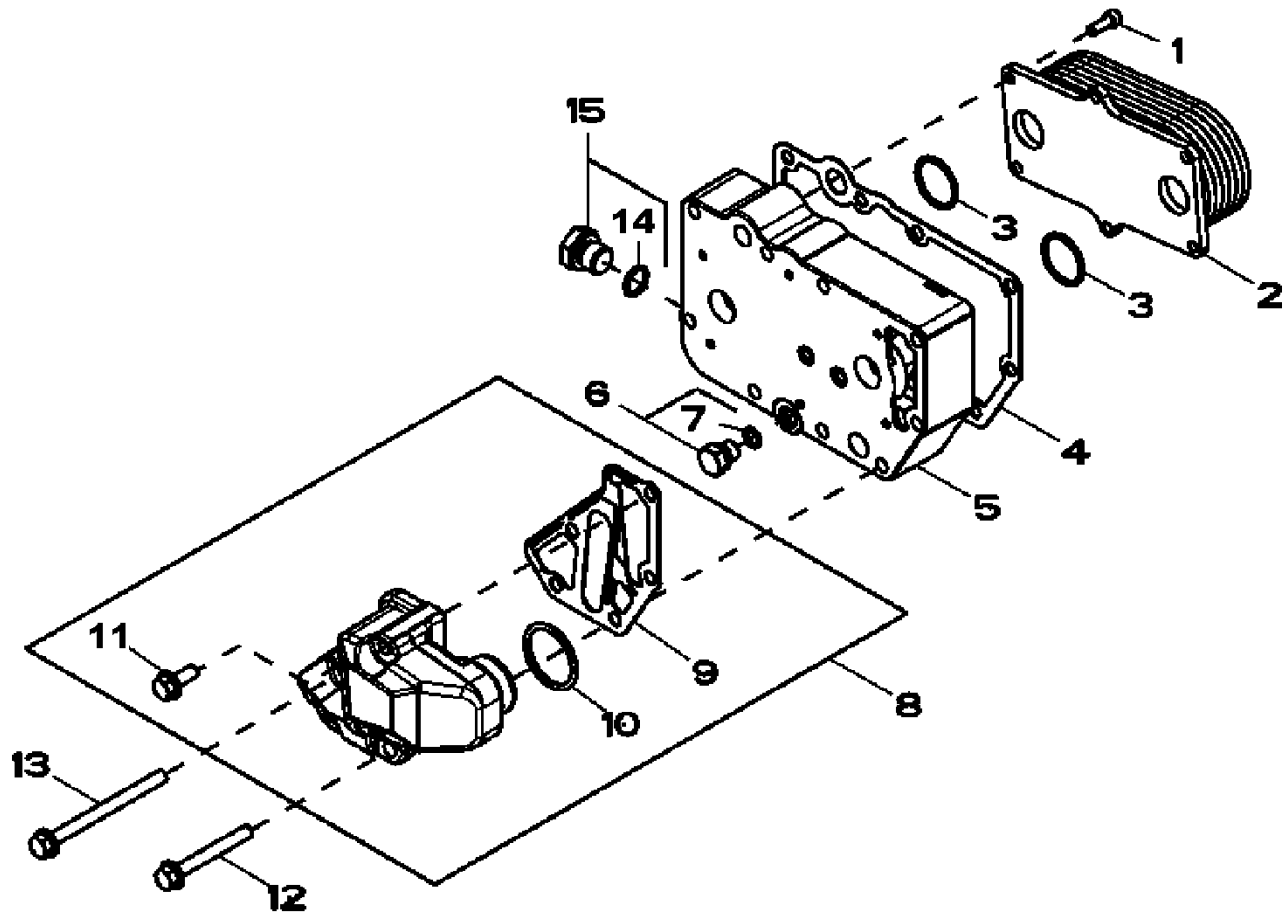
Crankshaft Pulley



23209257\_11-07\_A

| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| 1    | 18965343  | Pulley, Crankshaft          | 1   |                  |
| 2    | 24899460  | Bushing, Crankshaft Pulley  | 1   |                  |
| 3    | 23229610  | Screw, Hex Cap M20-2.5 X 70 | 1   |                  |

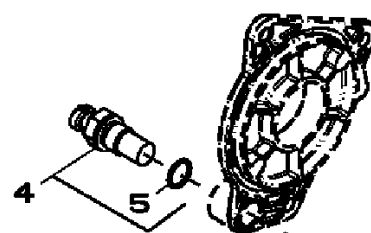
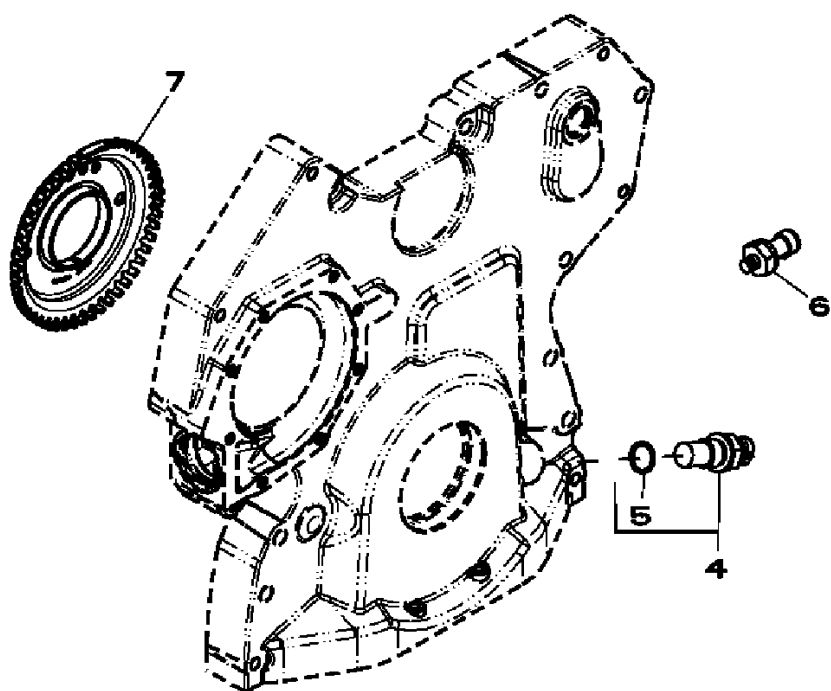
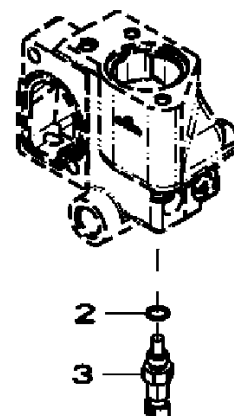
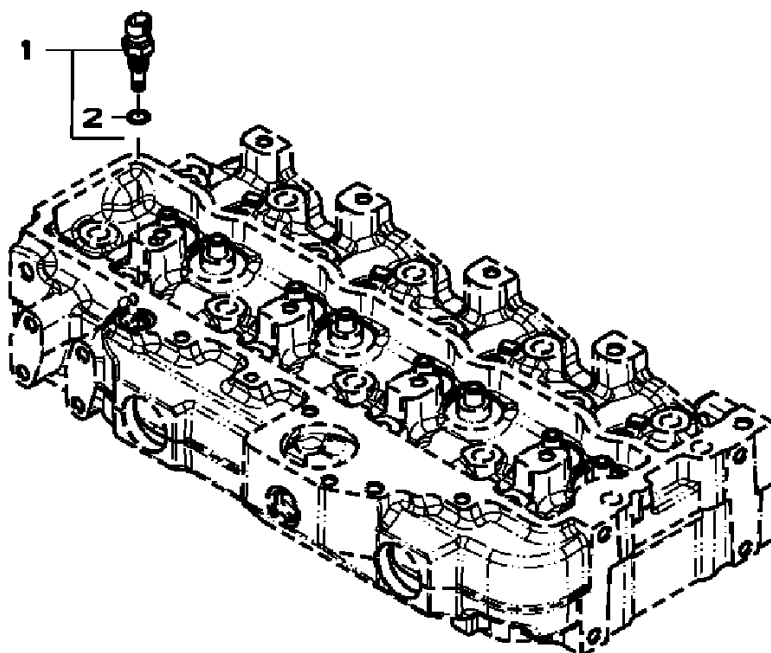
## Oil Cooler



23209257\_11-07\_A

| ITEM | COMM. NO. | DESCRIPTION                        | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------------|-----|------------------|
| 1    | 36118131  | Screw, Hex Socket Cap M06-1.0 X 16 | 6   |                  |
| 2    | 36115251  | Cooler, Oil                        | 1   |                  |
| 3    | 36118693  | O-Ring, 29.820 X 2.616 mm          | 2   |                  |
| 4    | 36106607  | Gasket, Oil Cooler Housing         | 1   |                  |
| 5    | 36106516  | Housing, Oil Cooler                | 1   |                  |
| 6    | 36114098  | Plug w/ O-Ring, M12-1.75 X 1.5     | 1   |                  |
| 7    | 36126019  | O-Ring, 9.3 X 2.2 mm               | 1   |                  |
| 8    | 85473973  | Kit, Oil Cooler Adapter Fitting    | 1   |                  |
| 9    | 85471597  | Gasket, Oil Cooler Adapter         | 1   |                  |
| 10   | 36133403  | O-Ring, 37.694 X 3.531 mm          | 1   |                  |
| 11   | 36118149  | Screw, Hex Flange M08-1.25 X 20    | 1   |                  |
| 12   | 23110984  | Screw, Hex Flange M08-1.25 X 65    | 2   |                  |
| 13   | 85470466  | Screw, Hex Flange M08-1.25 X 100   | 2   |                  |
| 14   | 85470623  | O-Ring, 15.3 X 2.20 mm             | 1   |                  |
| 15   | 36114080  | Plug w/ O-Ring, M18-2.5 X 1.5      | 1   |                  |

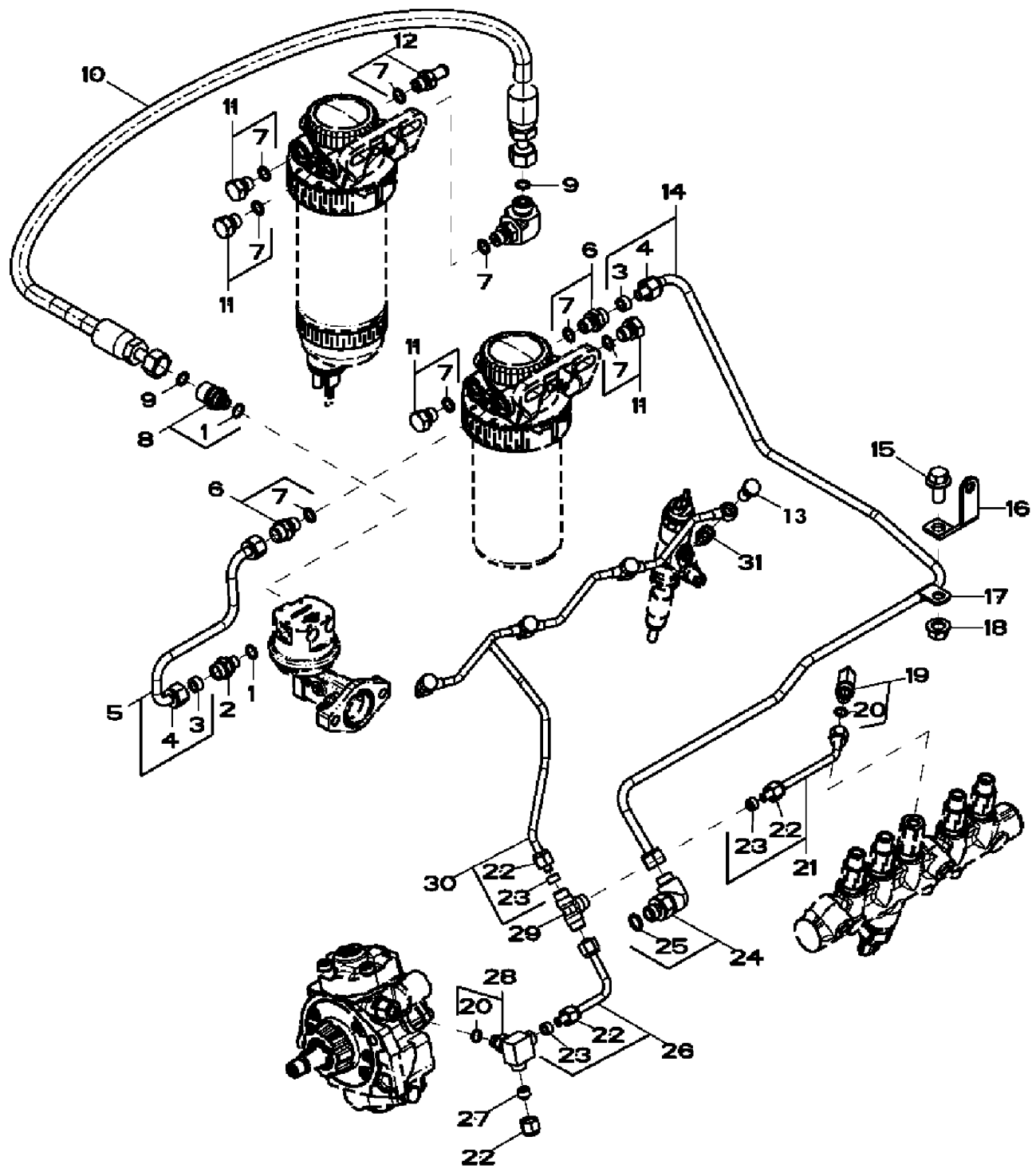
## Sensors



23209257\_11-07\_A

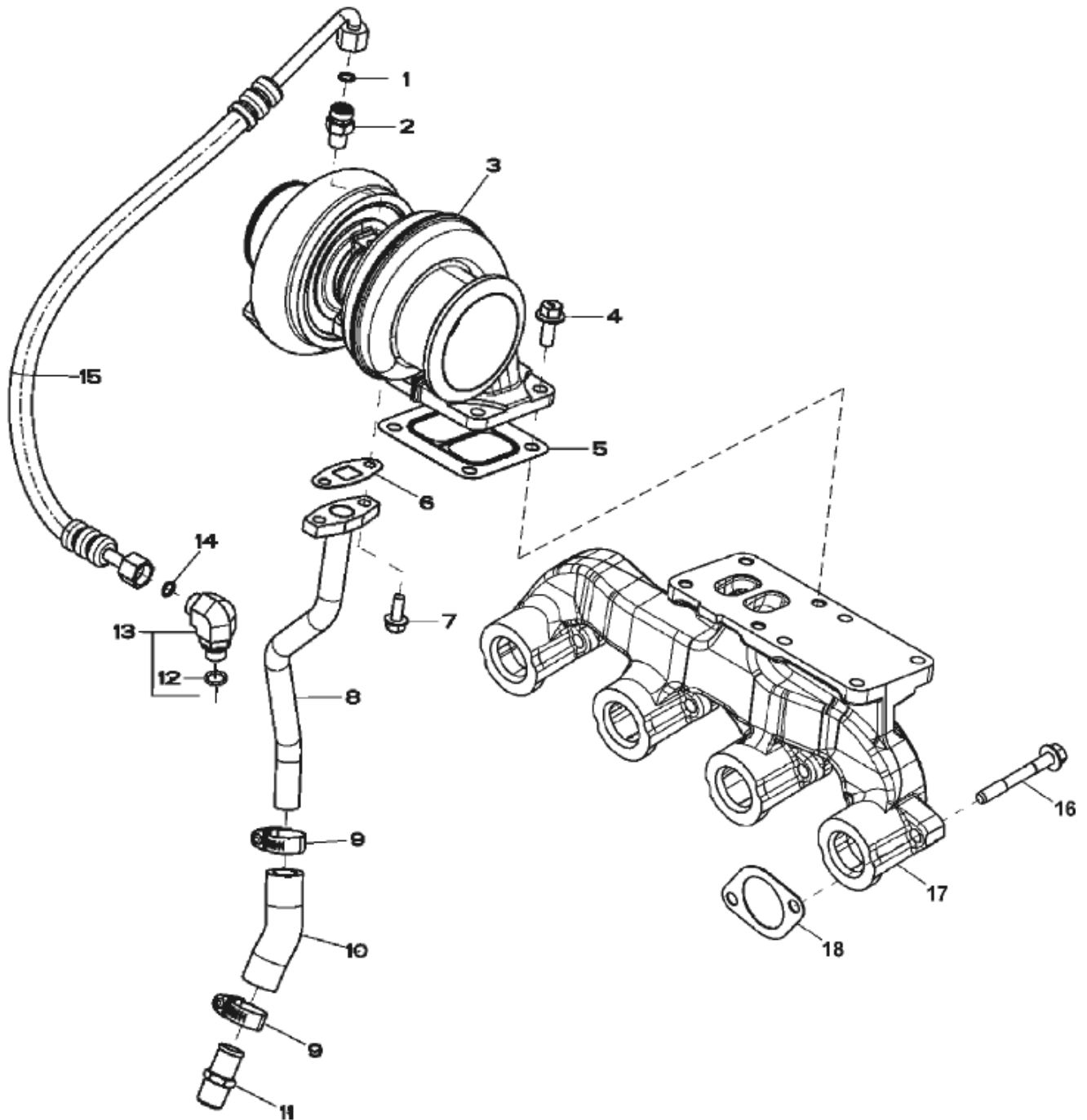
| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| 1    | 23230089  | Thermocouple                | 1   |                  |
| 2    | 36128916  | O-Ring, 11.30 X 2.20 mm     | 1   |                  |
| 3    | 22222590  | Sensor, Coolant Temperature | 1   |                  |
| 4    | 22222582  | Sensor, Engine Speed        | 1   |                  |
| 5    | 85470631  | O-Ring, 17.30 X 2.20 mm     | 1   |                  |
| 6    | 22222574  | Sensor, Oil Pressure        | 1   |                  |
| 7    | 18964932  | Wheel, Speed Sensor         | 1   |                  |

23209257\_11-07\_A



| ITEM | COMM. NO. | DESCRIPTION                              | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------------------|-----|------------------|
| 1    | 36129575  | O-Ring, 10.10 X 1.60 mm                  | 2   |                  |
| 2    | 24899247  | Fitting, Hex M10 X 1 X 9/16-24UNEF       | 2   |                  |
| 3    | 36126001  | Washer, Sealing 7 mm                     | 1   |                  |
| 4    | 85471829  | Nut, Tube                                | 1   |                  |
| 5    | 24899882  | Line, Fuel Pump to Fuel Filter           | 1   |                  |
| 6    | 36116242  | Adapter w/ O-Ring                        | 2   |                  |
| 7    | 36126019  | O-Ring, 9.3 X 2.2 mm                     | 1   |                  |
| 8    | 23229941  | Fitting, Hose                            | 1   |                  |
| 9    | 36119808  | O-Ring, 9.246 X 1.778 mm                 | 2   |                  |
| 10   | 23229925  | Line, Fuel                               | 1   |                  |
| 11   | 36114098  | Plug w/ O-Ring, M12-1.75 X 1.5           | 4   |                  |
| 12   | 23229917  | Fitting, M12-1.75 X Barbed               | 1   |                  |
| 13   | 24899080  | Screw, Hollow                            | 4   |                  |
| 14   | 23230105  | Line, Fuel                               | 1   |                  |
| 15   | 85470359  | Screw, Hex Flange M10-1.5 X 20           | 1   |                  |
| 16   | 36137586  | Bracket                                  | 1   |                  |
| 17   | 36118750  | Clamp, Fuel Line                         | 1   |                  |
| 18   | 36100188  | Nut, Hex Flange M10-1.5                  | 1   |                  |
| 19   | 24899528  | Fitting, 90° Elbow M10-1.5 X 1/2-24UNS   | 1   |                  |
| 20   | 24899106  | O-Ring, 8.10 X 1.60 mm                   | 1   |                  |
| 21   | 23230030  | Line, Fuel                               | 1   |                  |
| 22   | 36106821  | Nut, Tube 1/2-24UNS                      | 7   |                  |
| 23   | 36126050  | Washer, Sealing 5 mm                     | 6   |                  |
| 24   | 23230097  | Fitting, 90° Elbow M14-2.0 X 9/16-24UNEF | 1   |                  |
| 25   | 36128916  | O-Ring, 11.30 X 2.20 mm                  | 1   |                  |
| 26   | 23230238  | Line, Fuel                               | 1   |                  |
| 27   | 36101962  | Plug w/ Sleeve                           | 1   |                  |
| 28   | 23230048  | Fitting                                  | 1   |                  |
| 29   | 36111912  | Fitting, Tee                             | 1   |                  |
| 30   | 23230220  | Line, Fuel                               | 1   |                  |
| 31   | 23229826  | Washer, Sealing                          | 4   |                  |

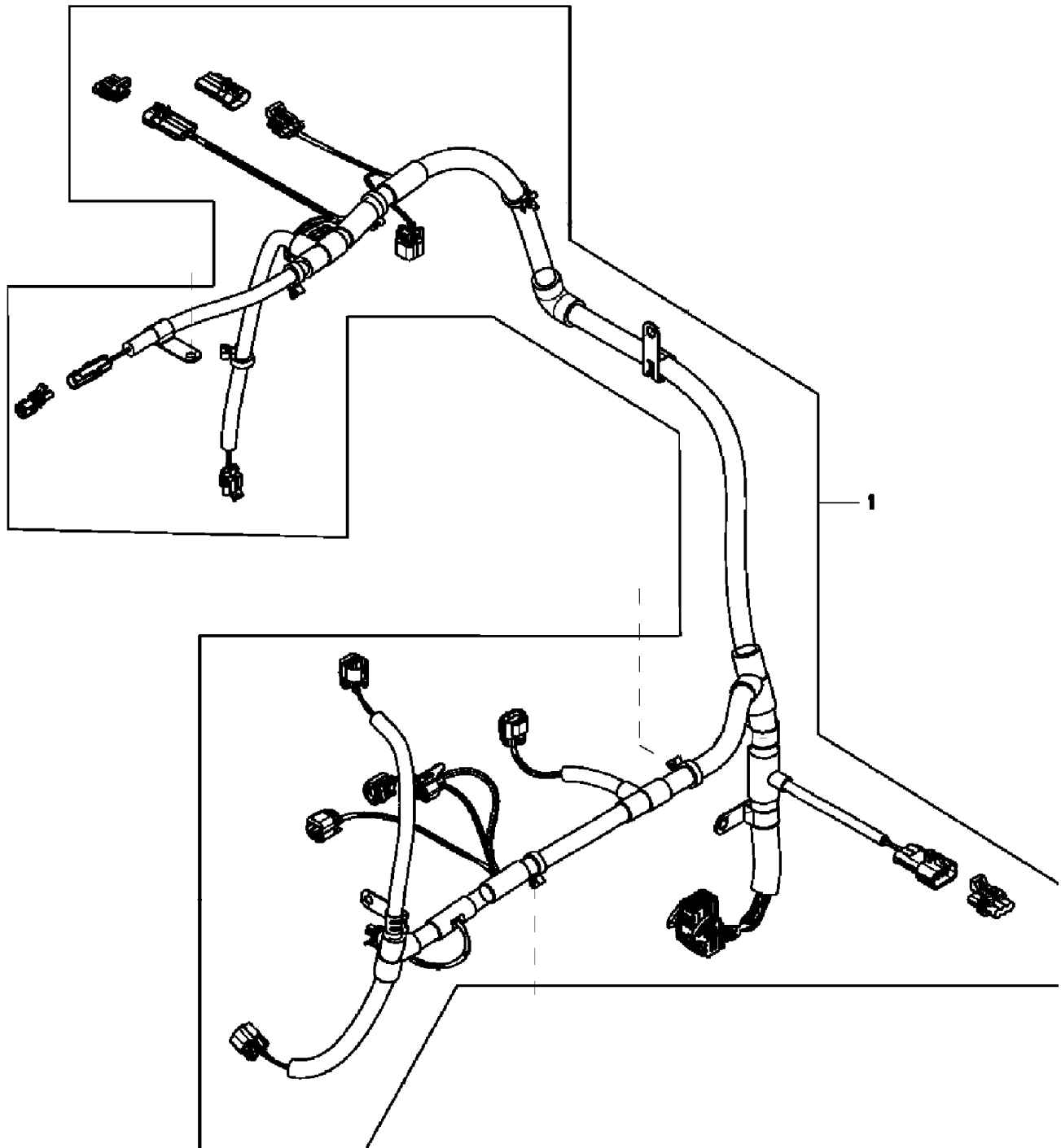
## Exhaust Manifold and Turbo



23209257\_11-07\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
| 1    | 36110054  | O-Ring, 9.246 X 1.778 mm        | 1   |                  |
| 2    | 36103182  | Adapter, 1/4-18 NPT X 11/16-16  | 1   |                  |
| 3    | 23230261  | Turbocharger                    | 1   |                  |
| 4    | 23229800  | Screw, Hex Flange M10-1.75 X 25 | 4   |                  |
| 5    | 36106755  | Gasket, Turbo / Exhaust         | 1   |                  |
| 6    | 36106748  | Gasket, Turbo Oil Outlet        | 1   |                  |
| 7    | 23110497  | Screw, Hex Flange M08-1.25 X 20 | 2   |                  |
| 8    | 23230253  | Line, Oil                       | 1   |                  |
| 9    | 36117885  | Clamp, Hose                     | 2   |                  |
| 10   | 23229859  | Hoise                           | 1   |                  |
| 11   | 85474054  | Fitting, 1/2-14 NPTF X Hose     | 1   |                  |
| 12   | 85470615  | O-Ring, 13.30 X 2.20 mm         | 1   |                  |
| 13   | 85470573  | Elbow, M16-2.0 X 11/16-16       | 1   |                  |
| 14   | 36119808  | O-Ring, 9.246 X 1.778 mm        | 1   |                  |
| 15   | 85473676  | Line, Turbo Oil Inlet           | 1   |                  |
| 16   | 23229776  | Screw, Hex Flange M10-1.75 X 80 | 8   |                  |
| 17   | 23229875  | Manifold, Exhaust               | 1   |                  |
| 18   | 23229628  | Gasket, Exhaust Manifold        | 4   |                  |

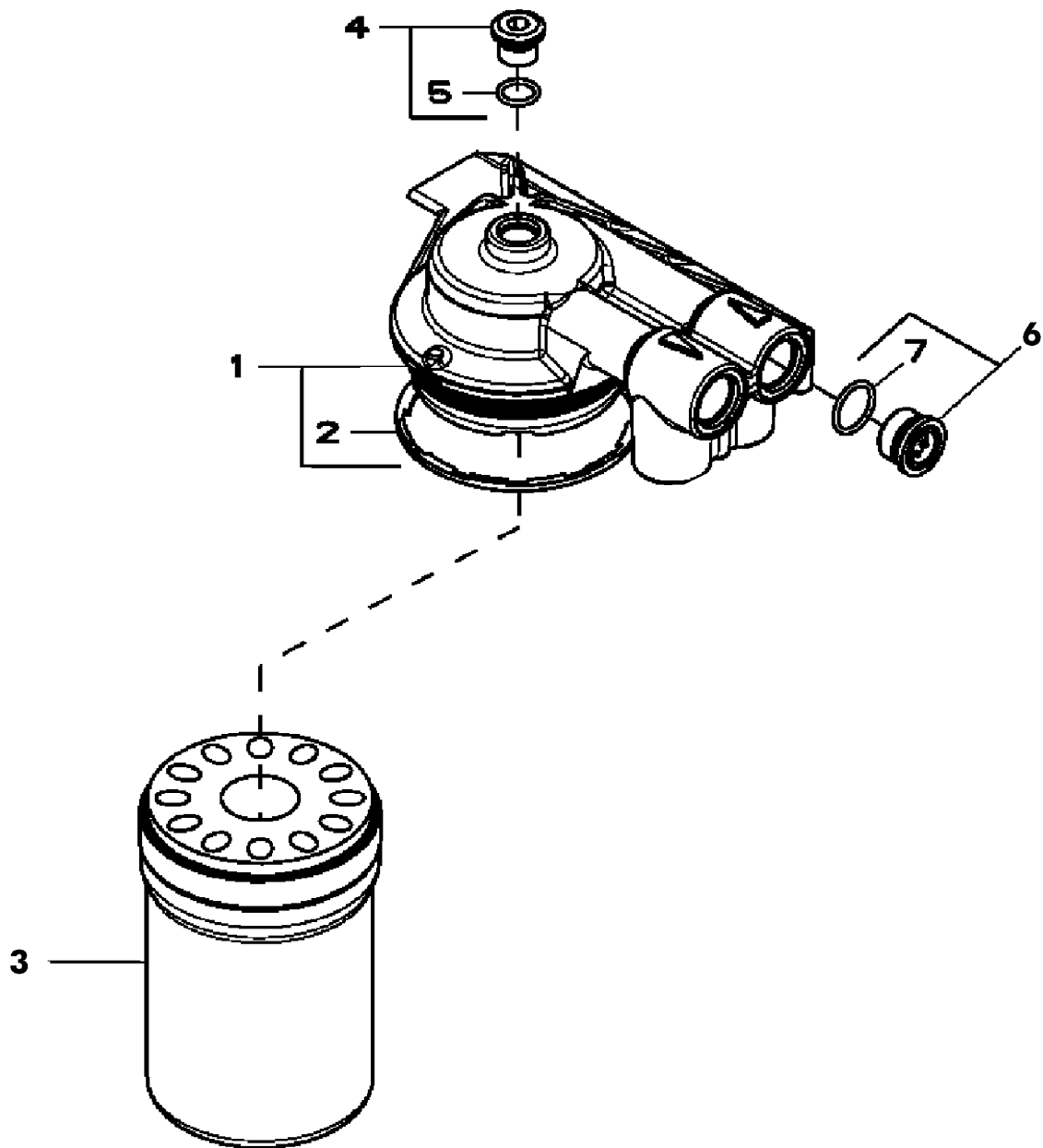
## Engine Wiring Harness



23209257\_11-07\_A

| ITEM | COMM. NO. | DESCRIPTION     | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------|-----|------------------|
| 1    | 23230204  | Harness, Engine | 1   |                  |

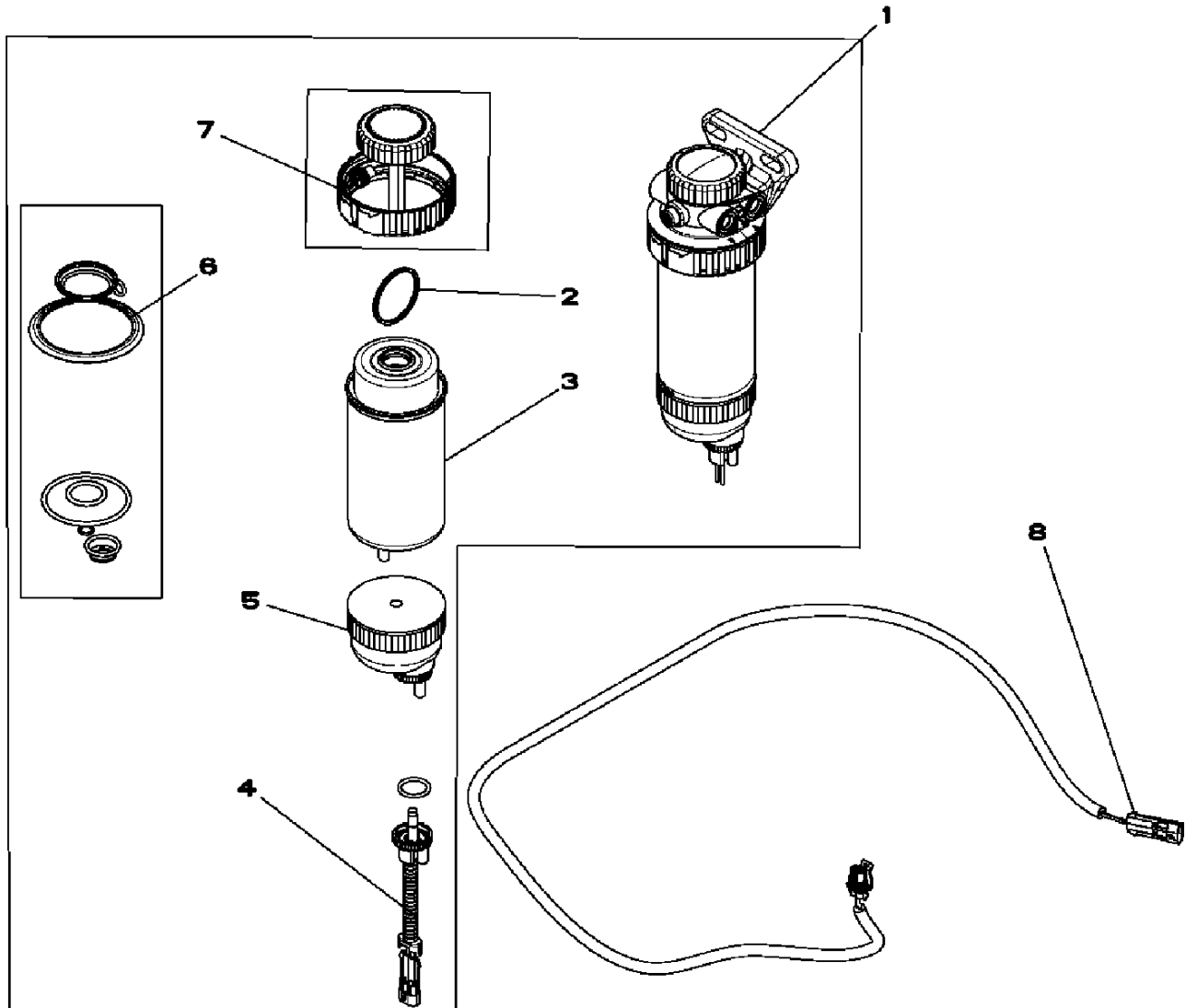
# Oil Filter



23209257\_11-07\_A

| ITEM | COMM. NO. | DESCRIPTION               | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------|-----|------------------|
| 1    | 24899320  | Filter Head               | 1   |                  |
| 2    | 24899304  | Seal                      | 1   |                  |
| 3    | 22206148  | Element, Oil Filter       | 1   |                  |
| 4    | 85471811  | Plug, Drain M16-2.0 X 1.5 | 1   |                  |
| 5    | 85470615  | O-Ring, 13.3 X 2.2 mm     | 1   |                  |
| 6    | 23229933  | Plug, Drain M22-2.5 X 1.5 | 2   |                  |
| 7    | 85470649  | O-Ring, 19.3 X 2.2 mm     | 2   |                  |

## Primary Fuel Filter



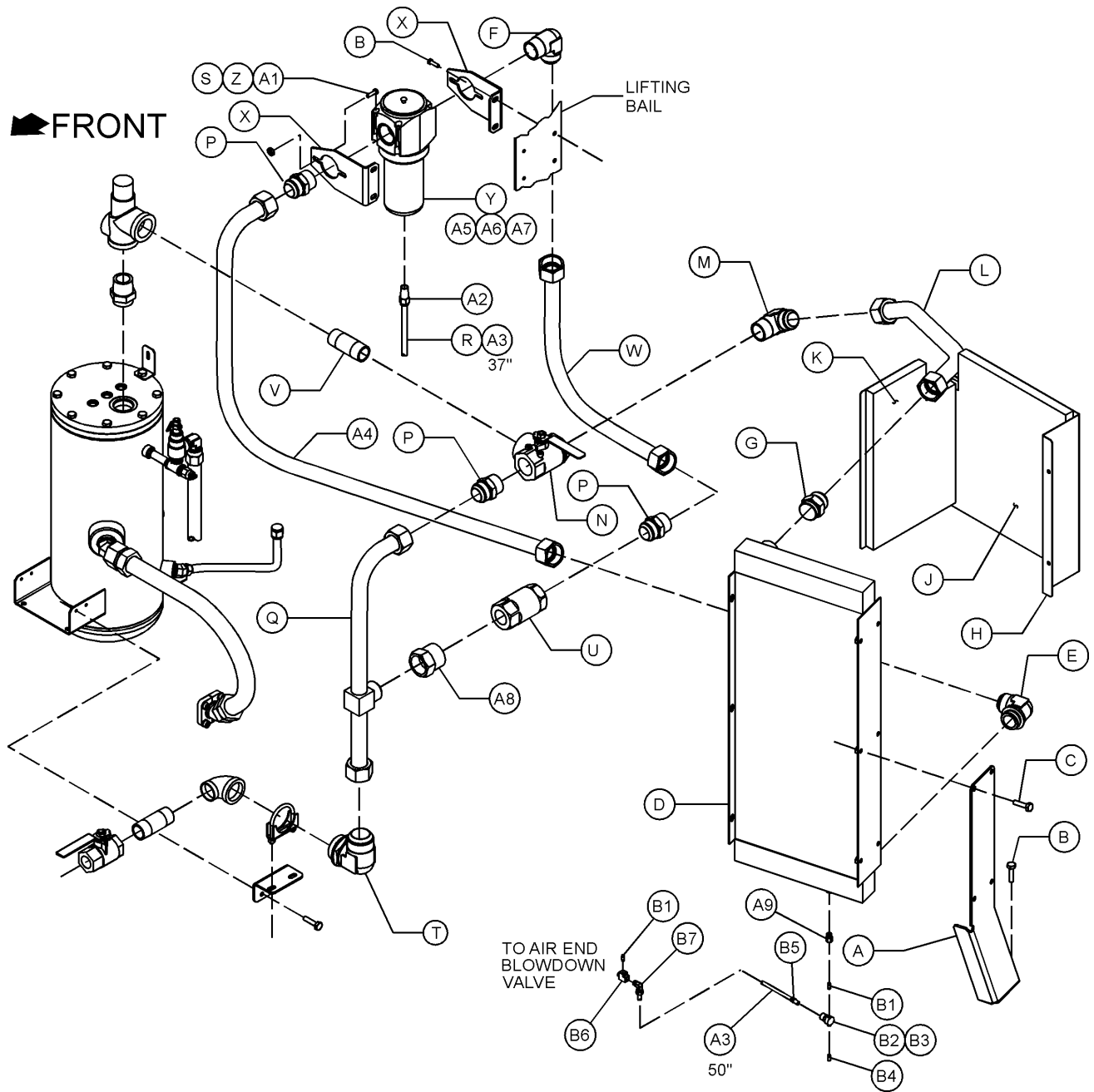
23209257\_11-07\_A

| ITEM | COMM. NO. | DESCRIPTION                   | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------|-----|------------------|
| 1    | 23230063  | Filter Assembly, Primary Fuel | 1   |                  |
| 2    | 24899932  | Kit, O-Ring                   | 1   |                  |
| 3    | 22969265  | Element, Primary Fuel Filter  | 1   |                  |
| 4    | 23229990  | Sensor, Moisture              | 1   |                  |
| 5    | 36114544  | Bowl, Sediment                | 1   |                  |
| 6    | 36114445  | Kit, Seal                     | 1   |                  |
| 7    | 36114536  | Kit, Fuel Filter Seal         | 1   |                  |
| 8    | 23236946  | Harness, Wiring               | 1   |                  |



## **Section D - OPTION PARTS**

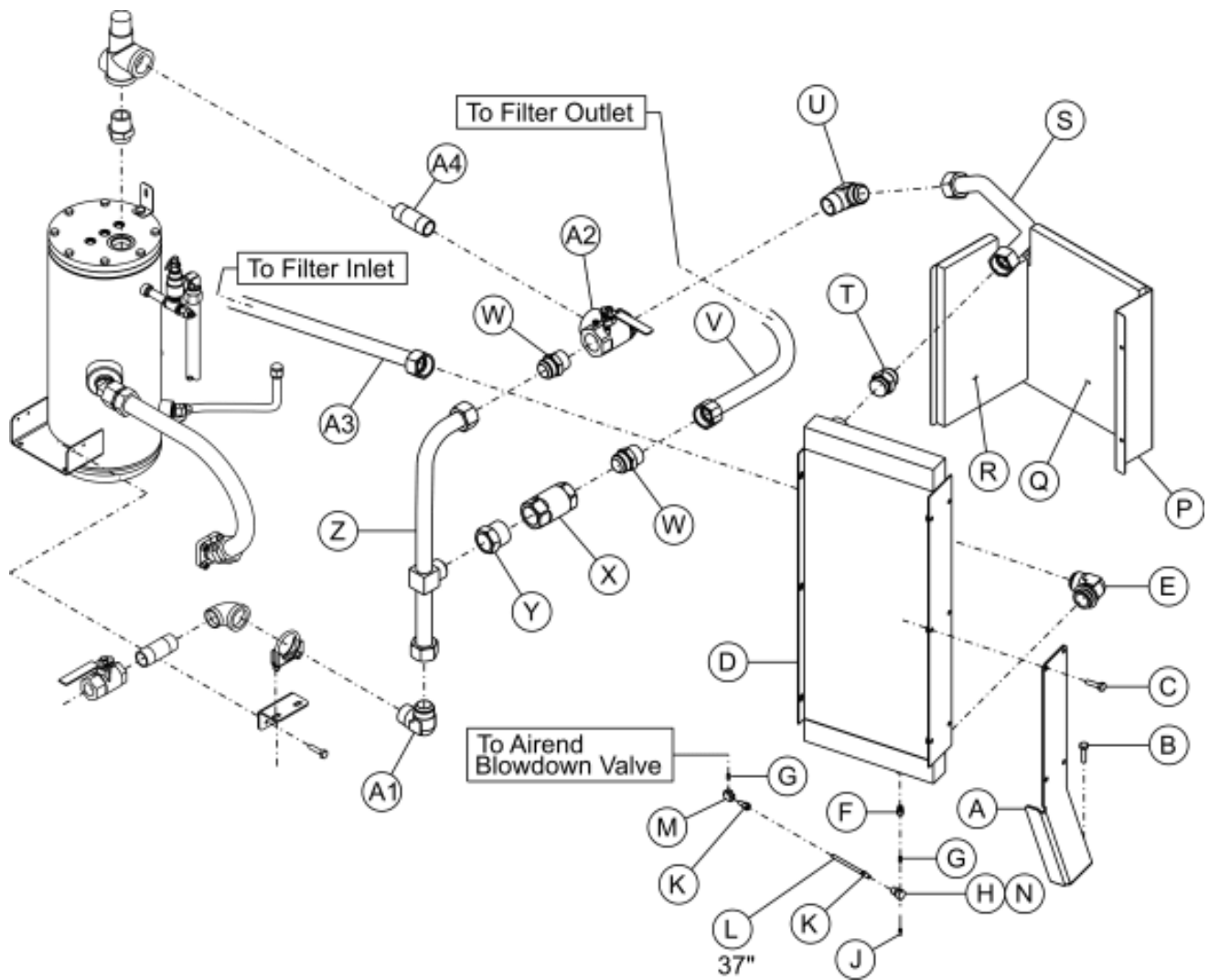
# Aftercooler with Water Separator PRIOR to S/N



23209257\_11/07\_A

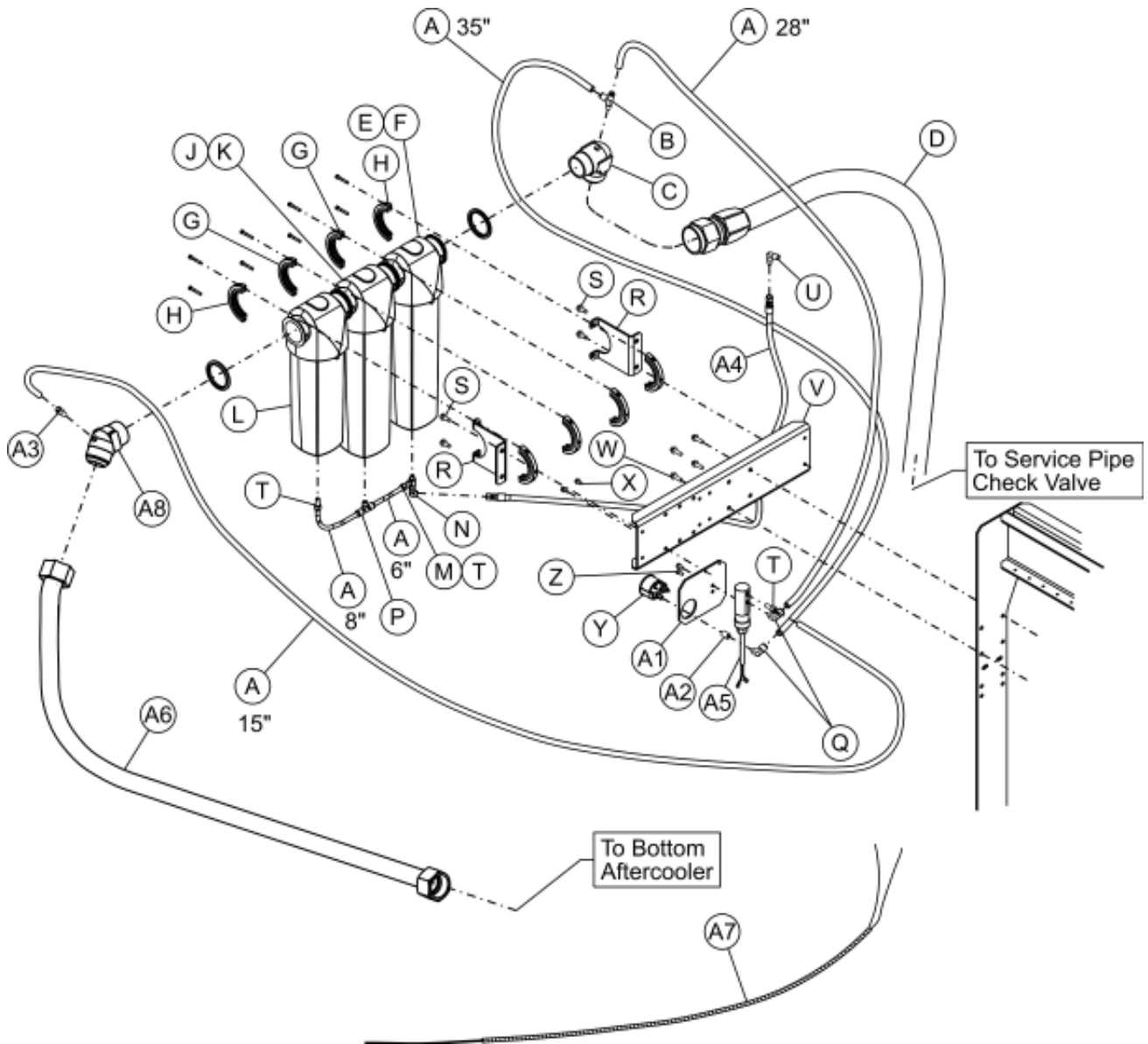
| ITEM | COMM. NO. | DESCRIPTION                              | QTY | DIMENSIONS/NOTES  |
|------|-----------|------------------------------------------|-----|-------------------|
| A    | 54761622  | Bracket, Aftercooler Mounting            | 1   | See Lengths Above |
| B    | 35279025  | Screw, Tapping M08-1.25 X 20             | 8   |                   |
| C    | 96702279  | Screw, Hex M10-1.50 X 20                 | 2   |                   |
| D    | 54660162  | Aftercooler                              | 1   |                   |
| E    | 95431292  | Elbow, 90° 1.88"-12 X -12 JIC            | 1   |                   |
| F    | 95949749  | Elbow, 90° 1.5" NPT X 1.88"-12           | 1   |                   |
| G    | 35296409  | Connector, 1.88"-12 X -24 JIC            | 1   |                   |
| H    | 22070908  | Baffle, Front Aftercooler                | 1   |                   |
| J    | 22074504  | Panel, Aftercooler Interior Baffle       | 1   |                   |
| K    | 22074488  | Panel, Aftercooler Interior Baffle       | 1   |                   |
| L    | 54759691  | Tube, Separator Tank to Aftercooler      | 1   |                   |
| M    | 95279477  | Elbow, 90° 1.5" NPT X -24 JIC            | 1   |                   |
| N    | 22258339  | Valve, 3-Way 1.5" NPT                    | 1   |                   |
| P    | 95208682  | Adapter, Swivel 1.50" NPT X 1.88"-12 UNF | 3   |                   |
| Q    | 54671135  | Tube, Separator Tank to Service Pipe     | 1   |                   |
| R    | 35253038  | Clamp, 3/8" Rubber Support               | 1   |                   |
| S    | 95934899  | Washer, Flat 3/8"                        | 4   |                   |
| T    | 95279477  | Elbow, 90° 1.5" NPT X -24 JIC            | 1   |                   |
| U    | 36786820  | Valve, Check 1.50" NPT                   | 1   |                   |
| V    | 95487773  | Nipple, Closed 1.5" NPT X 1.75"          | 1   |                   |
| W    | 35142116  | Hose, -24 JIC X 47.0"                    | 1   |                   |
| X    | 36882884  | Bracket, Filter Mounting                 | 2   |                   |
| Y    | 36882728  | Separator, Water 1.50" NPT               | 1   |                   |
| Z    | 35271162  | Screw, Hex M08-1.25 X 30                 | 4   |                   |
| A1   | 36881886  | Nut, Hex Flange M08-1.25                 | 4   |                   |
| A2   | 35379700  | Connector, 1/8" NPT X 3/8" Tube          | 1   |                   |
| A3   | 35356484  | Tubing, 3/8" OD Synflex                  | ~   |                   |
| A4   | 35117472  | Hose, -24 JIC X 62"                      | 1   |                   |
| A5   | 36883270  | Cap, Water Separator                     | AR  |                   |
| A6   | 36883098  | Kit, Water Separator                     | AR  |                   |
| A7   | 35378231  | Kit, Drain                               | AR  |                   |
| A8   | 36883155  | Adapter, 1.5" NPT to 1.88"-12 UNF        | 1   |                   |
| A9   | 35293687  | Adapter, 9/16"-18 to 1/4" NPT            | 1   |                   |
| B1   | 95944575  | Nipple, Closed 1/4" NPT X 7/8"           | 2   |                   |
| B2   | 35322379  | Valve, Blowdown                          | 1   |                   |
| B3   | 35379064  | Diaphragm Repair Kit                     | AR  |                   |
| B4   | 36766756  | Orifice, Muffler .140"                   | 1   |                   |
| B5   | 35369347  | Connector, Male 1/4" NPTF X 3/8" Tube    | 1   |                   |
| B6   | 35114545  | Tee, Street 1/4" NPT                     | 1   |                   |
| B7   | 35369354  | Elbow, 90° Male 1/4" NPT X 3/8" Tube     | 1   |                   |

# Aftercooler Mount BEGIN with S/N



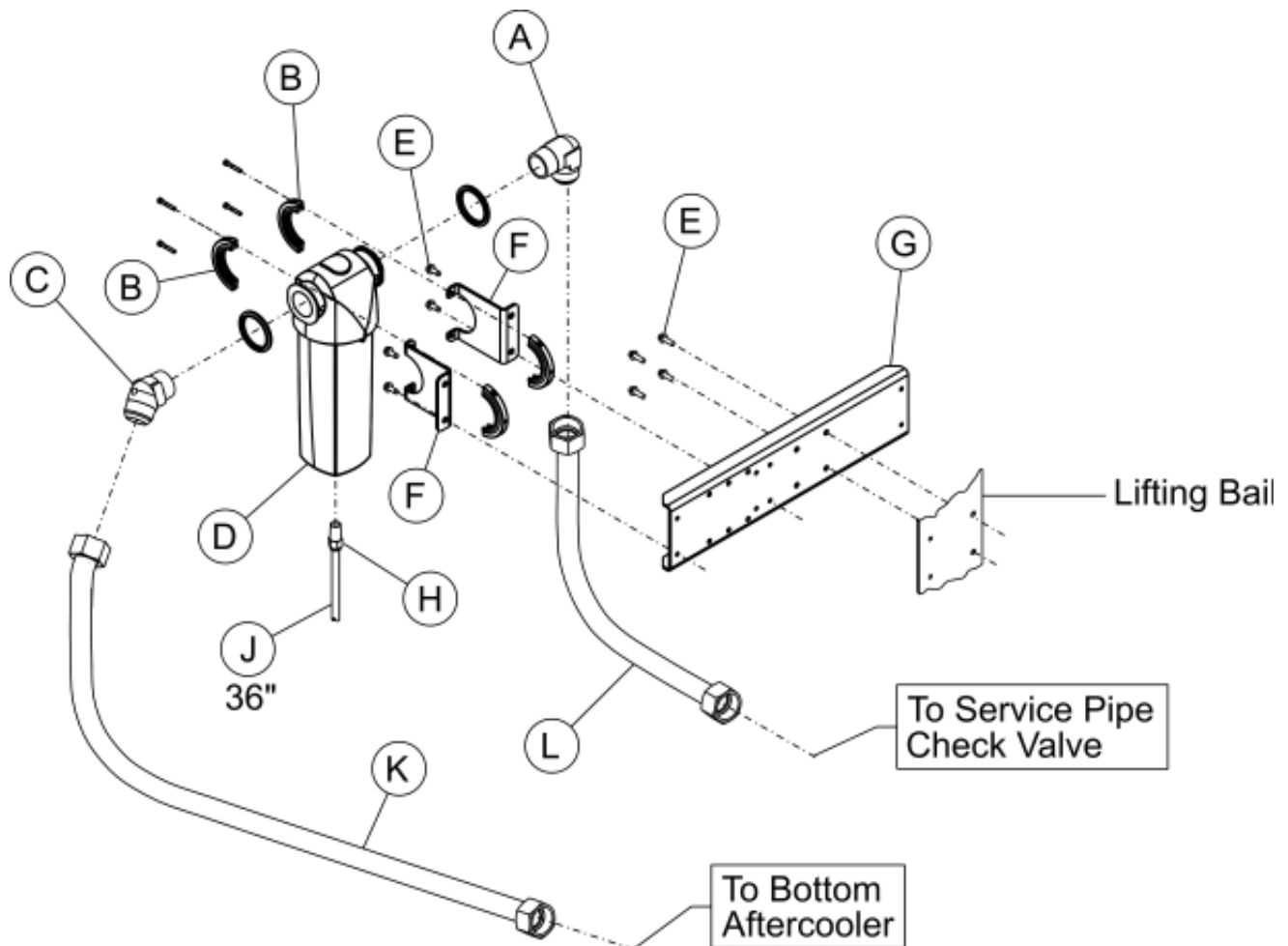
| ITEM | COMM. NO. | DESCRIPTION                              | QTY | DIMENSIONS/NOTES      |
|------|-----------|------------------------------------------|-----|-----------------------|
| A    | 54761622  | Bracket, Aftercooler Mounting            | 1   | See Lengths Above     |
| B    | 35279025  | Screw, Tapping M08-1.25 X 20             | 10  |                       |
| C    | 96702279  | Screw, Hex M10-1.50 X 20                 | 2   |                       |
| D    | 54660162  | Aftercooler                              | 1   |                       |
| E    | 95431292  | Elbow, 90° 1.88"-12 X -12 JIC            | 1   |                       |
| F    | 35293687  | Adapter, 9/16"-18 to 1/4" NPT            | 1   |                       |
| G    | 95944575  | Nipple, Closed 1/4" NPT X 7/8"           | 2   |                       |
| H    | 35322379  | Valve, Blowdown                          | 1   |                       |
| J    | 36766756  | Orifice, Muffler .140"                   | 1   |                       |
| K    | 35369347  | Connector, Male 1/4" NPTF X 3/8" Tube    | 2   |                       |
| L    | 35356484  | Tubing, 3/8" OD Synflex                  | ~   |                       |
| M    | 35114545  | Tee, Street 1/4" NPT                     | 1   |                       |
| N    | 35379064  | Diaphragm Repair Kit                     | AR  |                       |
| P    | 22070908  | Baffle, Front Aftercooler                | 1   |                       |
| Q    | 22074504  | Panel, Aftercooler Interior Baffle       | 1   |                       |
| R    | 22074488  | Panel, Aftercooler Interior Baffle       | 1   |                       |
| S    | 54759691  | Tube, Separator Tank to Aftercooler      | 1   |                       |
| T    | 35296409  | Connector, 1.88"-12 X -24 JIC            | 1   |                       |
| U    | 95279477  | Elbow, 90° 1.5" NPT X -24 JIC            | 1   |                       |
| V    | 35142116  | Hose, -24 JIC X 47"                      | 1   |                       |
| W    | 95208682  | Adapter, Swivel 1.50" NPT X 1.88"-12 UNF | 2   |                       |
| X    | 36786820  | Valve, Check 1.50" NPT                   | 1   |                       |
| Y    | 36883155  | Adapter, 1.5" NPT to 1.88"-12 UNF        | 1   |                       |
| Z    | 54671135  | Tube, Separator Tank to Service Pipe     | 1   |                       |
| A1   | 95279477  | Elbow, 90° 1.5" NPT X -24 JIC            | 1   |                       |
| A2   | 22258339  | Valve, 3-Way 1.5" NPT                    | 1   |                       |
| A3   | 35117472  | Hose, -24 JIC X 62"                      | 1   |                       |
| A4   | 95487773  | Nipple, Closed 1.5" NPT X 1.75"          | 1   | Prior to S/N 406040   |
|      | 95928032  | Nipple, Closed 1.5" NPT X 1.75"          | 1   | Begin with S/N 406040 |

IQ Filter Mount BEGIN with S/N



| ITEM | COMM. NO. | DESCRIPTION                                     | QTY | DIMENSIONS/NOTES  |
|------|-----------|-------------------------------------------------|-----|-------------------|
| A    | 35356484  | Tubing, 3/8" Synflex                            | ~   | See Lengths Above |
| B    | 35369503  | Tee, Male Run 1/4" NPT X 3/8" Tube              | 1   |                   |
| C    | 39495148  | Elbow, 90° 1.50" NPT X -24 JIC w/ 1/4" NPT Port | 1   |                   |
| D    | 35130855  | Hose Assembly                                   | 2   |                   |
| E    | 23186752  | Filter, Secondary                               | 1   |                   |
| F    | 23186760  | Element, Secondary Filter                       | 1   |                   |
| G    | 23187388  | Clamp, #4 w/ O-Ring                             | 2   |                   |
| H    | 23187420  | Clamp, #4 Spacer (2 per package)                | 1   |                   |
| J    | 23186737  | Filter, Primary                                 | 1   |                   |
| K    | 23186745  | Element, Primary Filter                         | 1   |                   |
| L    | 23186729  | Filter, Water Separator                         | 1   |                   |
| M    | 39127287  | Tee, 1/8" NPT Street                            | 1   |                   |
| N    | 95937686  | Elbow, 90° X 1/4" NPT X -4 JIC                  | 1   |                   |
| P    | 35369396  | Tee, Male Run 1/8" NPT X 3/8" Tube              | 1   |                   |
| Q    | 35370386  | Elbow, 90° Male 1/8" NPT X 1/8" NPT             | 3   |                   |
| R    | 23194210  | Bracket, IQ Filter Support                      | 2   |                   |
| S    | 35279025  | Screw, Tapping M08-1.25 X 20                    | 8   |                   |
| T    | 35379700  | Connector, 1/8" NPT X 3/8" Tube                 | 3   |                   |
| U    | 35283464  | Elbow, 90° 1/4" NPT X -4 JIC                    | 1   |                   |
| V    | 54761630  | Bracket, Filter Mounting                        | 1   |                   |
| W    | 36921500  | Elbow, 45° 1.50" NPT X -24 JIC w/ 1/4" NPT Port | 1   |                   |
| X    | 36797652  | Screw, Tapping M06-1.0 X 12                     | 2   |                   |
| Y    | 36891216  | Gauge, 250 PSI Pressure                         | 1   |                   |
| Z    | 95934774  | Screw, Hex 1/4"-20 X 1/2"                       | 2   |                   |
| A1   | 23194970  | Gauge, Plate                                    | 1   |                   |
| A2   | 95935599  | Coupling, 1/8" NPT X .75"                       | 1   |                   |
| A3   | 35369347  | Connector, Male 1/4" NPTF X 3/8" Tube           | 1   |                   |
| A4   | 35306661  | Hose Assembly, -4 JIC X 94"                     | 1   |                   |
| A5   | 36899615  | Indicator, Pressure Differential                | 1   |                   |
| A6   | 22293484  | Harness, IQ Option                              | 1   |                   |

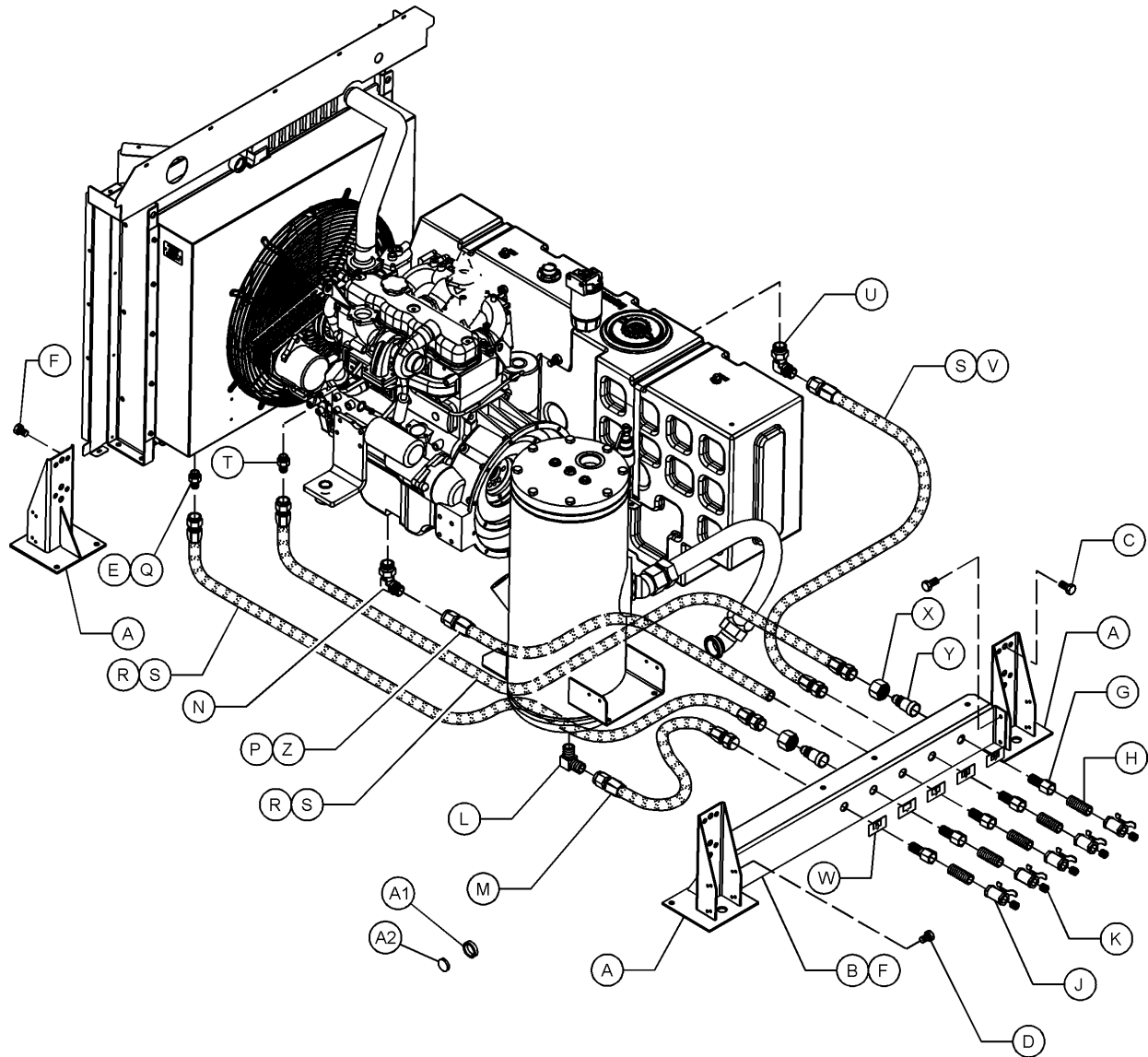
# Water Separator Mount BEGIN with S/N



23209257\_03/09\_A

| ITEM | COMM. NO. | DESCRIPTION                      | QTY | DIMENSIONS/NOTES  |
|------|-----------|----------------------------------|-----|-------------------|
| A    | 95949749  | Elbow, 90° 1.5" NPT X 1.88"-12   | 1   | See Lengths Above |
| B    | 23187420  | Clamp, #4 Spacer (2 per package) | 1   |                   |
| C    | 95279139  | Elbow, 45° 1.50" NPT to -24 J1C  | 1   |                   |
| D    | 23186729  | Filter, Water Separator          | 1   |                   |
| E    | 35279025  | Screw, Tapping M08-1.25 X 20     | 8   |                   |
| F    | 23194210  | Bracket, IQ Filter Support       | 2   |                   |
| G    | 54761630  | Bracket, Filter Mounting         | 1   |                   |
| H    | 35379700  | Connector, 1/8" NPT X 3/8" Tube  | 1   |                   |
| J    | 35356484  | Tubing, 3/8" OD Synflex          | ~   |                   |
| K    | 35117472  | Hose, -24 JIC X 62"              | 1   |                   |
| L    | 35142116  | Hose, -24 JIC X 47"              | 1   |                   |

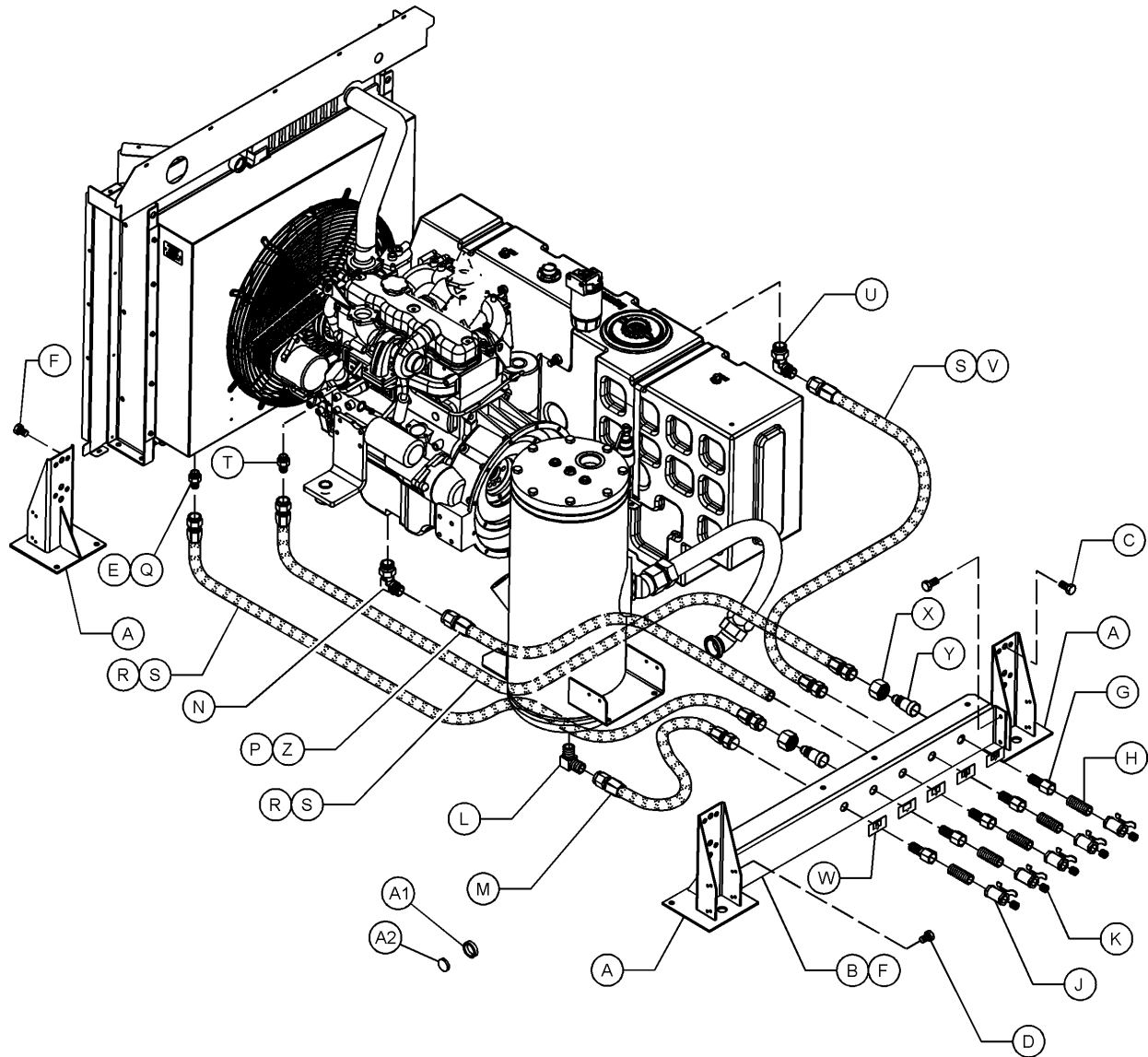
## Central Drains



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                           | QTY | DIMENSIONS/NOTES    |
|------|-----------|---------------------------------------|-----|---------------------|
| A    | 36882355  | Support, Rear                         | 4   | <b>Continued...</b> |
| B    | 22072318  | Bracket, Central Drains               | 1   |                     |
| C    | 36879302  | Screw, Hex Flange M16-2.0 X 50        | 4   |                     |
| D    | 92972140  | Screw, Tapping M08-1.25 X 16          | 4   |                     |
| E    | 35278571  | O-Ring                                | 1   |                     |
| F    | 36888055  | Screw, Hex Flange M12-1.75 X 30       | 8   |                     |
| G    | 35287747  | Bulkhead Fitting                      | 5   |                     |
| H    | 95928040  | Nipple, Closed 3/4" NPT X 1.38"       | 5   |                     |
| J    | 36777399  | Valve, Ball 3/4"                      | 5   |                     |
| K    | 95947149  | Plug, Hex Countersink 3/4" NPT        | 5   |                     |
| L    | 36885093  | Elbow, 90° Long -12 O-Ring to -12 JIC | 1   |                     |
| M    | 35323799  | Hose, -12 J IC X 27"                  | 1   |                     |
| N    | 36883395  | Elbow, 90° M18-1.5 to 5/8" Hose       | 1   |                     |

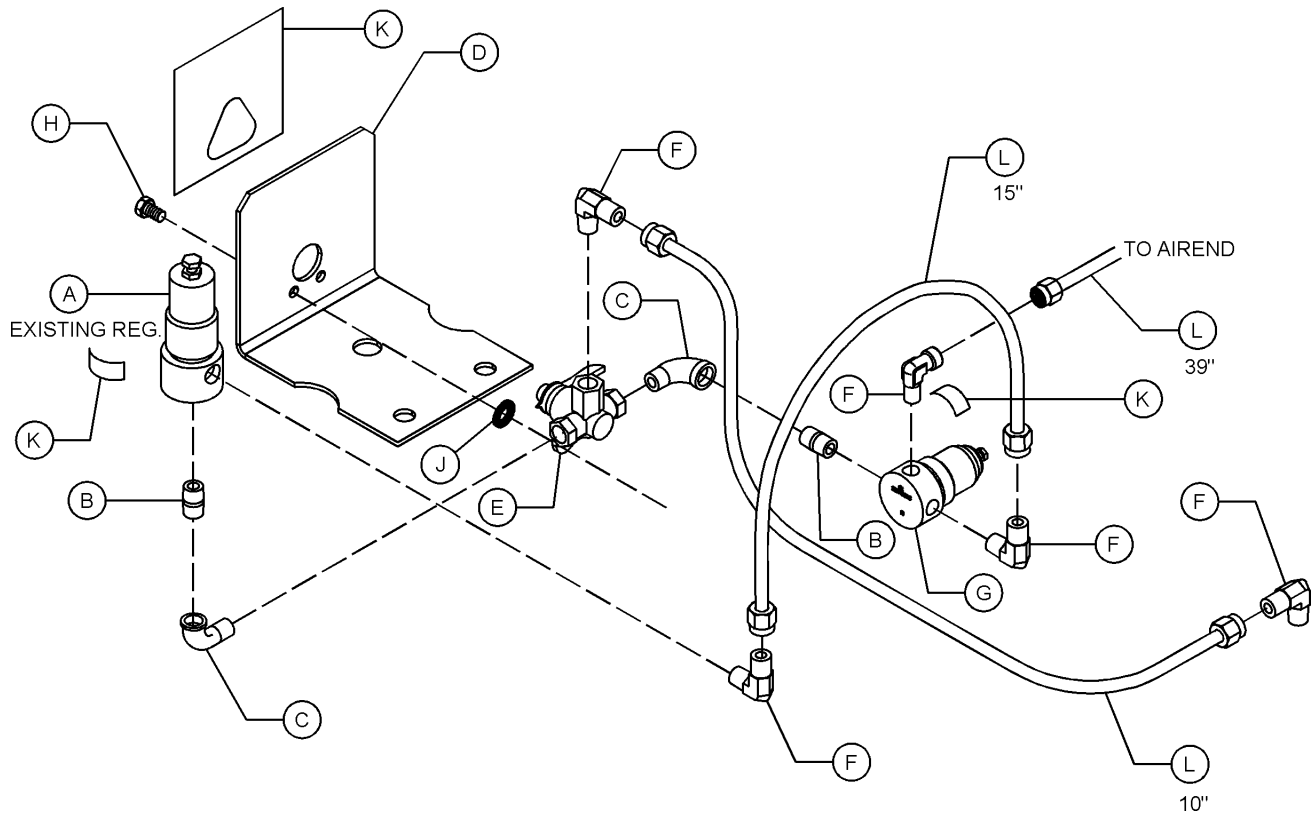
## Central Drains



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                          | QTY | DIMENSIONS/NOTES     |
|------|-----------|--------------------------------------|-----|----------------------|
| P    | 35290378  | Hose Assembly, -12 X 68"             | 1   | <b>....Continued</b> |
| Q    | 35287895  | Connector, 9/16-18 to -8 JIC         | 1   |                      |
| R    | 35305481  | Hose Assembly, -8 JIC X 88"          | 2   |                      |
| S    | 35119379  | Clamp, 1/2" Rubber Support           | 9   |                      |
| T    | 35283134  | Connector, 1/4" NPT to -8 JIC Swivel | 1   |                      |
| U    | 35294750  | Elbow, 90° 1.06-12 SAE to -12JIC     | 1   |                      |
| V    | 35376110  | Hose Assembly, 12 JIC X 54"          | 1   |                      |
| W    | 54629977  | Decal, Central Drains                | 1   |                      |
| X    | 35324987  | Nut, Tube -12                        | 2   |                      |
| Y    | 35365774  | Reducer, -12 JIC TO -8 JIC           | 2   |                      |
| Z    | 95220844  | Clamp, Worm Gear Hose                | 1   |                      |
| A1   | 36893634  | Grommet. Clearance Light             | 2   |                      |
| A2   | 35367051  | Lamp, Yellow Clearance               | 2   |                      |

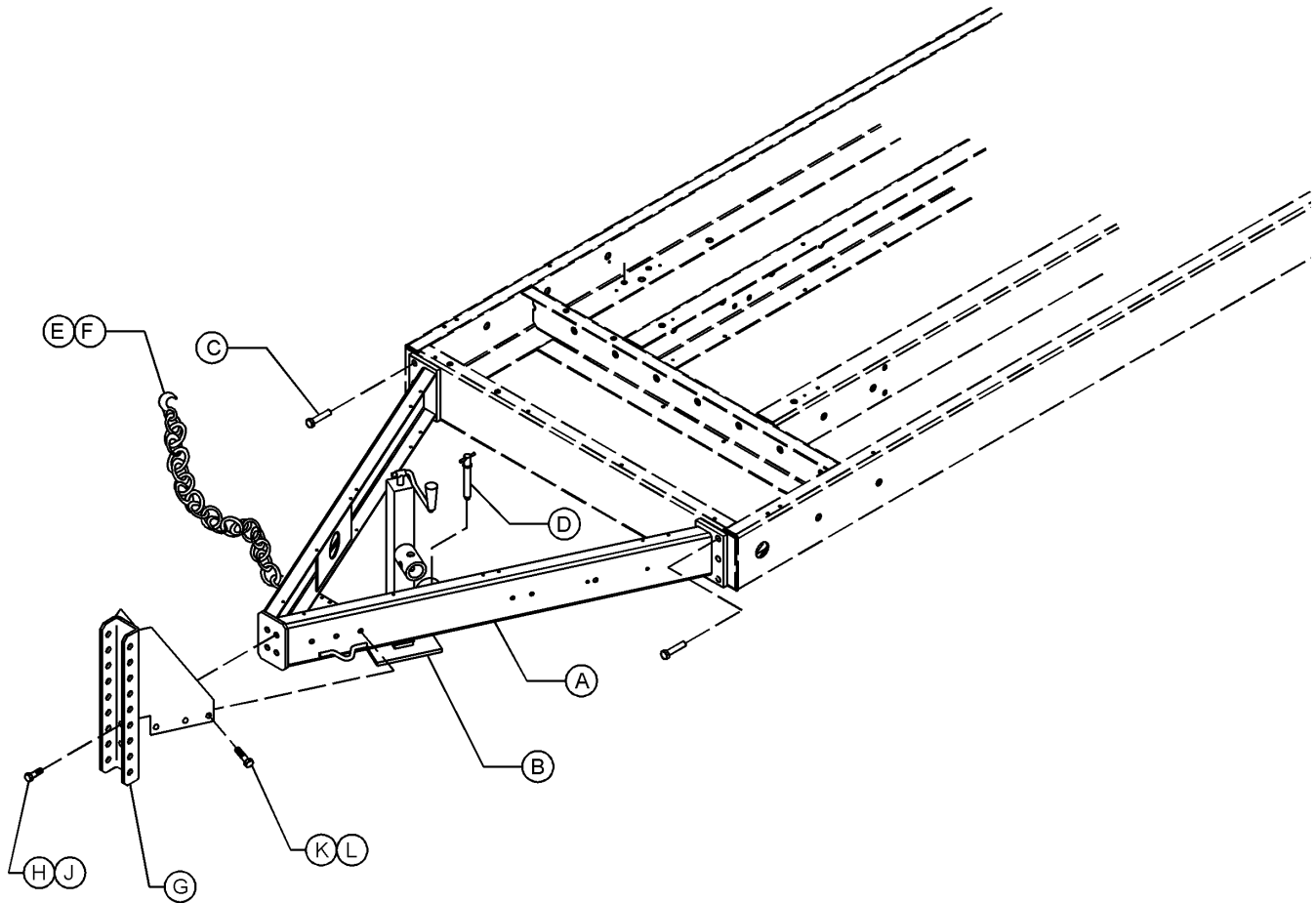
## Dual Pressure Regulation



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                         | QTY | DIMENSIONS/NOTES  |
|------|-----------|-------------------------------------|-----|-------------------|
| A    | 36896892  | Regulator, Pressure 200 PSI         | 1   | Low Pressure      |
| B    | 95667341  | Nipple, Closed 1/4" NPT X 7/8"      | 2   |                   |
| C    | 95944666  | Elbow, Street 90° 1/4" NPT          | 2   |                   |
| D    | 22489231  | Bracket, Dual Regulation            | 1   |                   |
| E    | 22489223  | Valve, 3-Way                        | 1   |                   |
| F    | 35369354  | Elbow, 90° Male 1/4" NPT X 3/8 Tube | 5   |                   |
| G    | 36847952  | Valve, Pressure Regulator 100 PSI   | 1   |                   |
| H    | 95183158  | Screw, Hex #10-24 X 7/16"           | 2   |                   |
| J    | 95916110  | Washer, Flat 1/4"                   | 2   |                   |
| K    | 22501316  | Decal, Dual Regulation              | 1   |                   |
| L    | 35356484  | Tubing, 3/8" OD Synflex             | ~   | See Lengths Above |
|      | 35387919  | Kit, Low Pressure Regulator Repair  | AR  |                   |

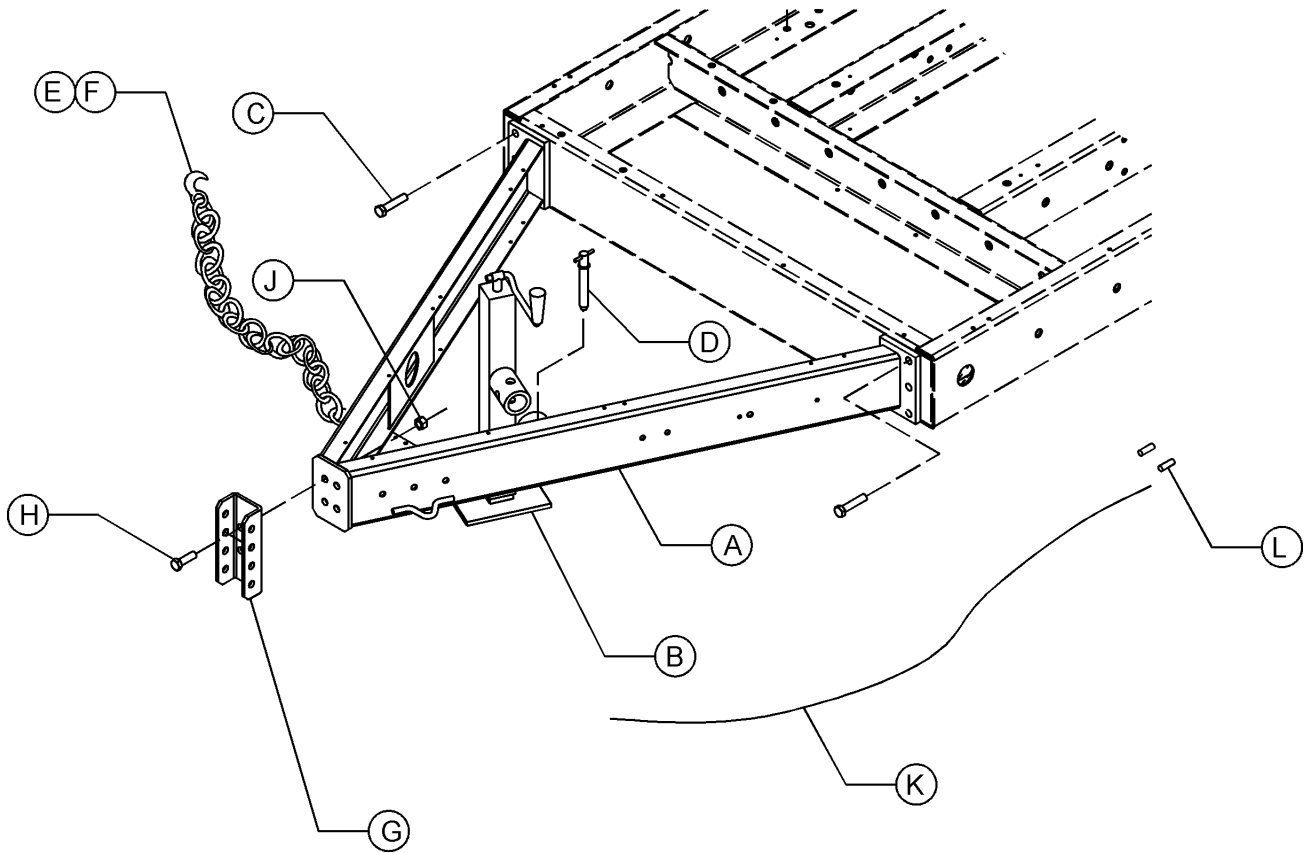
## Adjustable Height Drawbar



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| A    | 36876621  | Drawbar, Standard              | 1   |                  |
| B    | 54443577  | Jack, Screw                    | 1   |                  |
| C    | 36879302  | Screw, Hex Flange M16-2.0 X 50 | 6   |                  |
| D    | 35609544  | Pin, Quick Release             | 1   |                  |
| E    | 22144521  | Chain Assembly                 | 2   |                  |
| F    | 35372432  | Lock, Coupling                 | 2   |                  |
| G    | 36882017  | Channel, Adjustable Height     | 1   |                  |
| H    | 96703962  | Screw, Hex M16-2.0 X 50        | 4   |                  |
| J    | 36879211  | Nut, Hex Flange M16-2.0        | 4   |                  |
| K    | 35252758  | Screw, Hex Lock 1/2-13 X 1.0"  | 6   |                  |
| L    | 35252618  | Nut, Lock Washer 1/2-13        | 6   |                  |

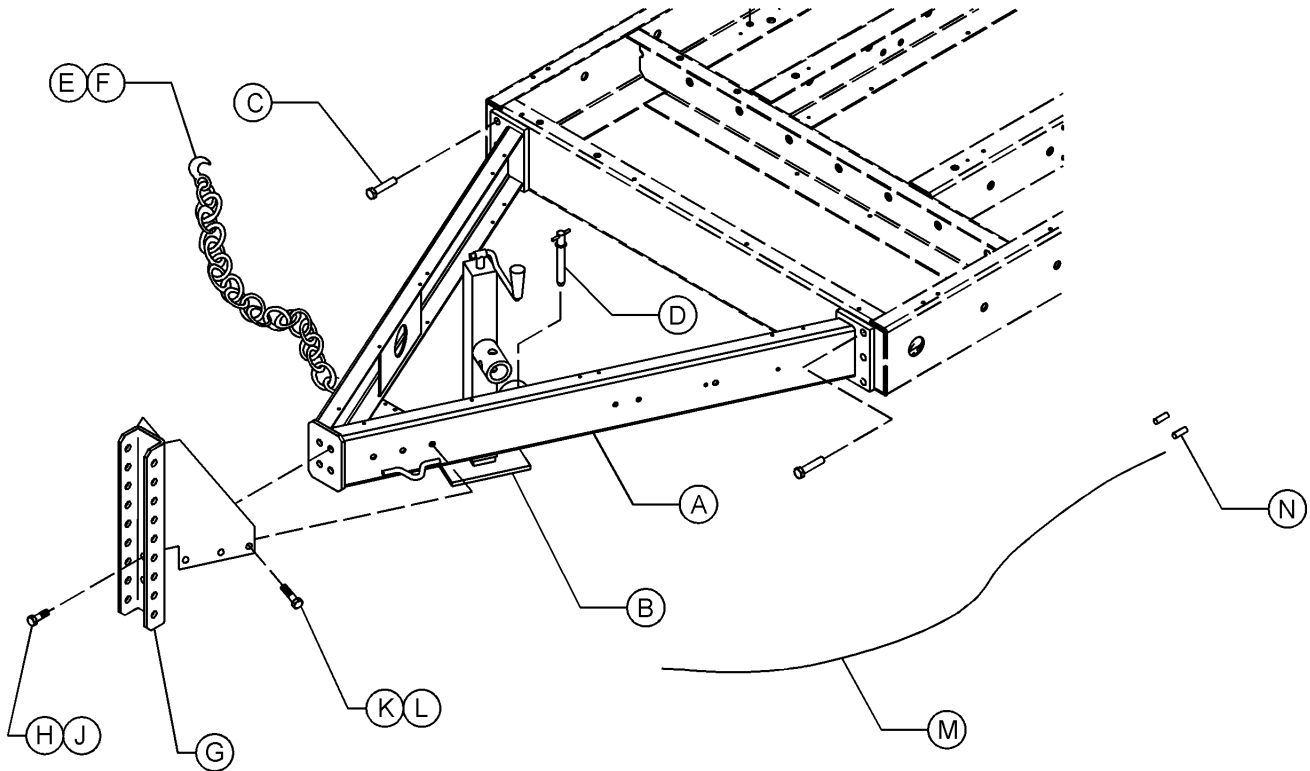
## Extended Drawbar



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| A    | 36881191  | Drawbar, Extended              | 1   |                  |
| B    | 54443577  | Jack, Screw                    | 1   |                  |
| C    | 36879302  | Screw, Hex Flange M16-2.0 X 50 | 6   |                  |
| D    | 35609544  | Pin, Quick Release             | 1   |                  |
| E    | 22144521  | Chain Assembly                 | 2   |                  |
| F    | 35372432  | Lock, Coupling                 | 2   |                  |
| G    | 36757284  | Channel, Pintel Eye            | 1   |                  |
| H    | 96703962  | Screw, Hex M16-2.0 X 50        | 4   |                  |
| J    | 36879211  | Nut, Hex Flange M16-2.0        | 4   |                  |
| K    | 35120005  | Wire, Black 14 AWG             | 40" |                  |
| L    | 37140365  | Splice, Insulated              | 2   |                  |

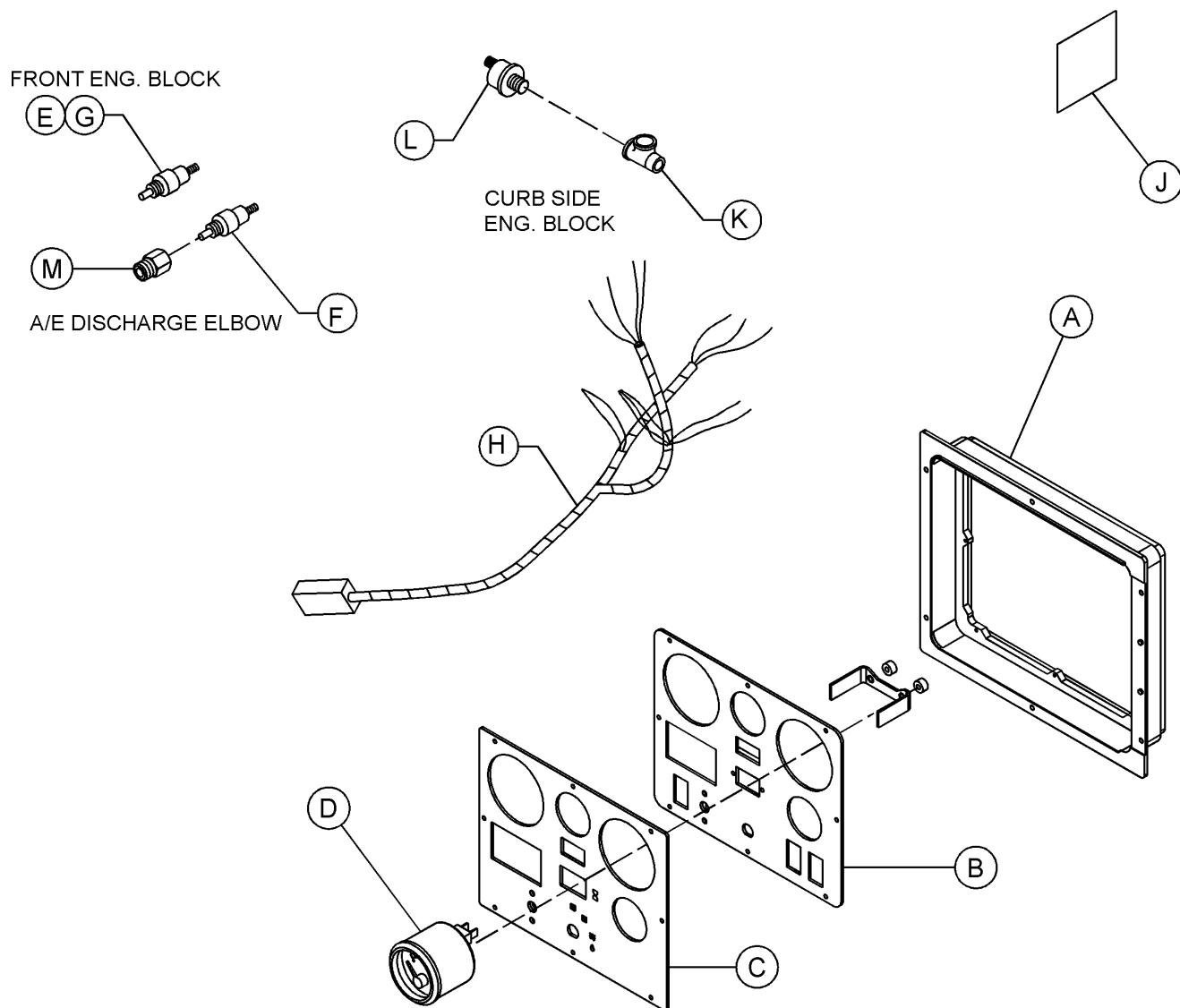
## Extended / Adjustable Height Drawbar



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                    | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------|-----|------------------|
| A    | 36881191  | Drawbar, Extended              | 1   |                  |
| B    | 54443577  | Jack, Screw                    | 1   |                  |
| C    | 36879302  | Screw, Hex Flange M16-2.0 X 50 | 6   |                  |
| D    | 35609544  | Pin, Quick Release             | 1   |                  |
| E    | 22144521  | Chain Assembly                 | 2   |                  |
| F    | 35372432  | Lock, Coupling                 | 2   |                  |
| G    | 36882470  | Channel, Adjustable Height     | 1   |                  |
| H    | 96703962  | Screw, Hex M16-2.0 X 50        | 4   |                  |
| J    | 36879211  | Nut, Hex Flange M16-2.0        | 4   |                  |
| K    | 35252758  | Screw, Hex Lock 1/2-13 X 1.0"  | 6   |                  |
| L    | 35252618  | Nut, Lock Washer 1/2-13        | 6   |                  |
| M    | 35120005  | Wire, Black 14 AWG             | 40" |                  |
| N    | 37140365  | Splice, Insulated              | 2   |                  |

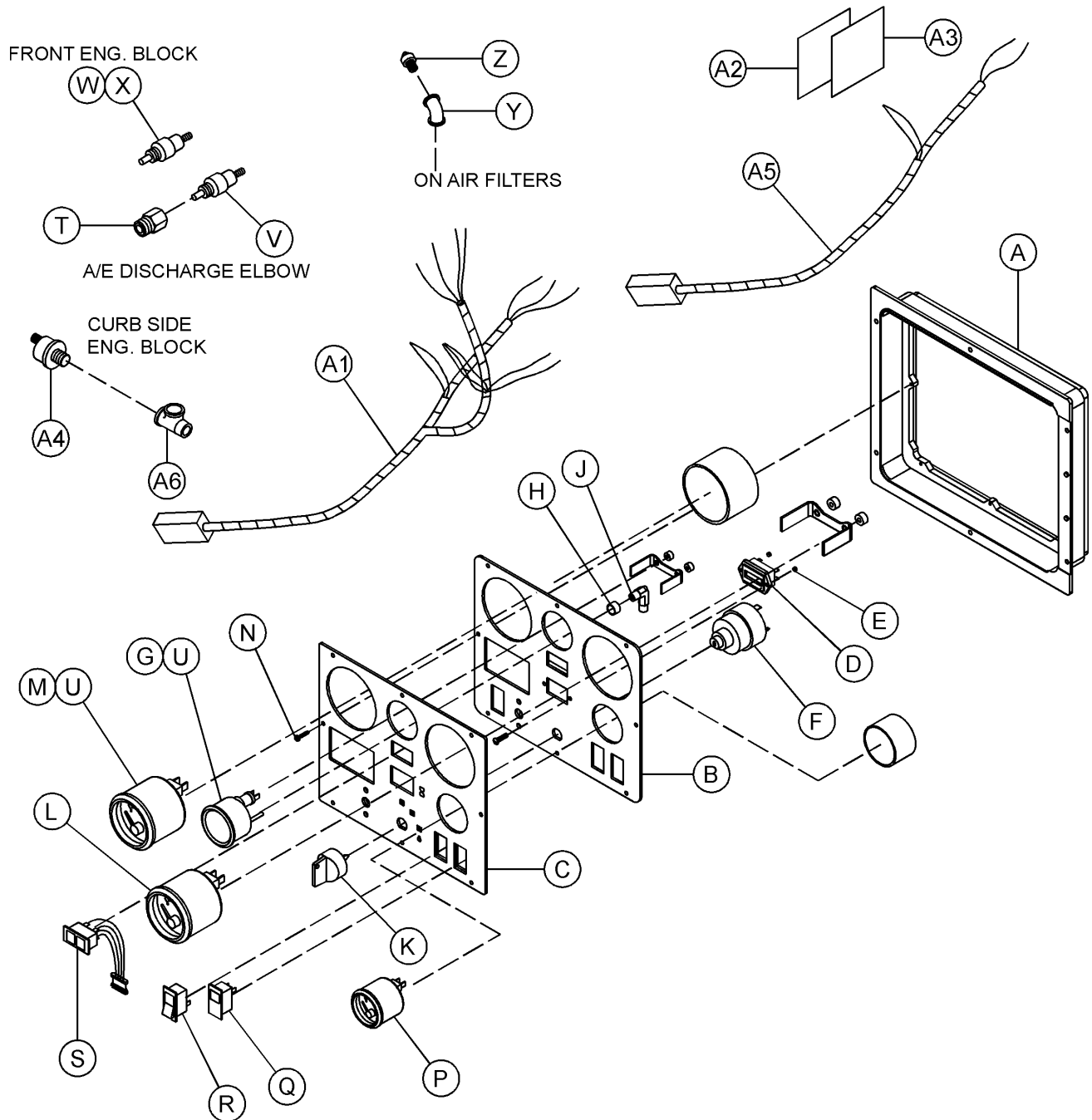
## 4-in-1 Gauge



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES    |
|------|-----------|---------------------------------|-----|---------------------|
| A    | 54749601  | Frame, WW Instrument Panel      | 1   | Engine<br>Discharge |
| B    | 22171680  | Panel, Instrument               | 1   |                     |
| C    | 22171698  | Decal, WW Instrument Panel      | 1   |                     |
| D    | 22255046  | Gauge, 4-in-1                   | 1   |                     |
| E    | 35372457  | Sender, Temperature 300°        | 1   |                     |
| F    | 35367218  | Sender, Temperature 300°        | 1   |                     |
| G    | 35278571  | O-Ring                          | 1   |                     |
| H    | 22251896  | Harness, Option Wiring          | 1   |                     |
| J    | 22530748  | Laminate, Option Wiring Diagram | 1   |                     |
| K    | 39127287  | Tee, Street 1/8" NPT            | 1   |                     |
| L    | 36870608  | Sender, Pressure 145 PSI        | 1   |                     |
| M    | 95670535  | Adapter, 3/4-16 SAE X 3/8" NPT  | 1   |                     |

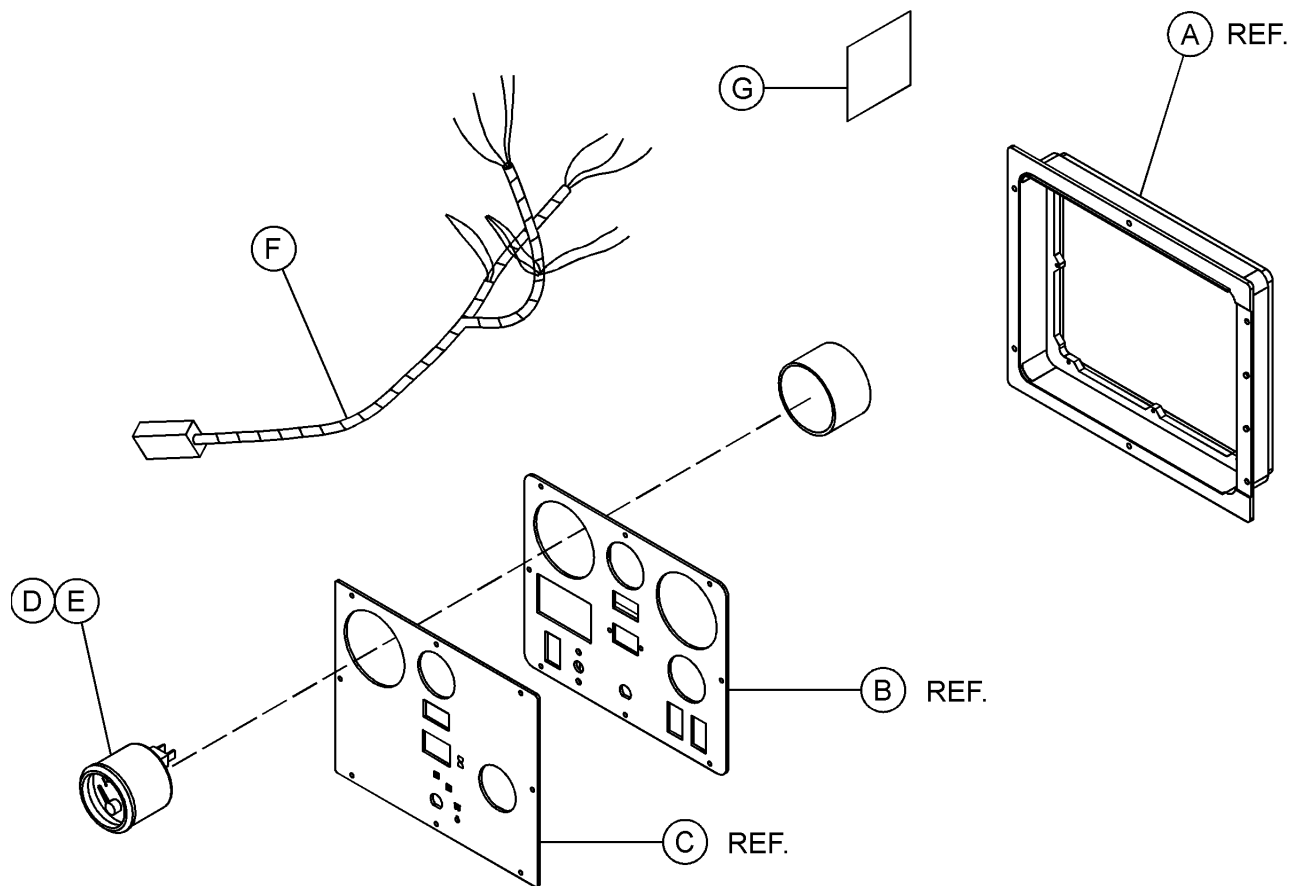
# Full Gauge Panel



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                          | QTY | DIMENSIONS/NOTES                                                                |
|------|-----------|--------------------------------------|-----|---------------------------------------------------------------------------------|
| A    | 54749601  | Frame, WW Instrument Panel           | 1   | Wait to Start<br>Load / Unload<br><br>Discharge<br>Engine<br><br><br>Engine Oil |
| B    | 22171680  | Panel, Instrument                    | 1   |                                                                                 |
| C    | 22171698  | Decal, WW Instrument Panel           | 1   |                                                                                 |
| D    | 22054175  | Hourmeter                            | 1   |                                                                                 |
| E    | 22054159  | Nut, #4-40 Plastic                   | 2   |                                                                                 |
| F    | 22127385  | Switch, Start                        | 1   |                                                                                 |
| G    | 36891216  | Gauge, Pressure 250 PSI              | 1   |                                                                                 |
| H    | 95935599  | Coupling, 1/8" NPT X 3/4"            | 1   |                                                                                 |
| J    | 35370386  | Elbow, 90° Male 1/8" NPT X 1/8" NPT  | 1   |                                                                                 |
| K    | 22134118  | Knob, Non-Removable Key              | 1   |                                                                                 |
| L    | 22255046  | Gauge, 4-in-1                        | 1   |                                                                                 |
| M    | 22055883  | Tachometer                           | 1   |                                                                                 |
| N    | 22070494  | Screw, Plastic Tapping               | 8   |                                                                                 |
| P    | 22692602  | Gauge, Fuel Level                    | 1   |                                                                                 |
| Q    | 22050553  | Light, Warning                       | 1   |                                                                                 |
| R    | 22054076  | Switch, Rocker SPST Momentary        | 1   |                                                                                 |
| S    | 22172423  | Module, 2-Light Warning              | 1   |                                                                                 |
| T    | 95670535  | Adapter, 3/4-16 SAE X 3/8" NPT       | 1   |                                                                                 |
| U    | 22137426  | Lamp, 28V                            | 2   |                                                                                 |
| V    | 35367218  | Sender, Temperature 300°             | 1   |                                                                                 |
| W    | 35372457  | Sender, Temperature 300°             | 1   |                                                                                 |
| X    | 35278571  | O-Ring                               | 1   |                                                                                 |
| Y    | 95956199  | Elbow, Street 1/8" NPT X 45°         | 2   |                                                                                 |
| Z    | 36847838  | Switch, Vacuum                       | 2   |                                                                                 |
| A1   | 22251896  | Harness, Option Wiring               | 1   |                                                                                 |
| A2   | 22530748  | Laminate, Option Wiring Diagram      | 1   |                                                                                 |
| A3   | 22530797  | Laminate, AFRI Option Wiring Diagram | 1   |                                                                                 |
| A4   | 36870608  | Sender, Pressure 145 PSI             | 1   |                                                                                 |
| A5   | 22251904  | Harness, AFRI Wiring                 | 1   |                                                                                 |
| A6   | 39127287  | Tee, Street 1/8" NPT                 | 1   |                                                                                 |

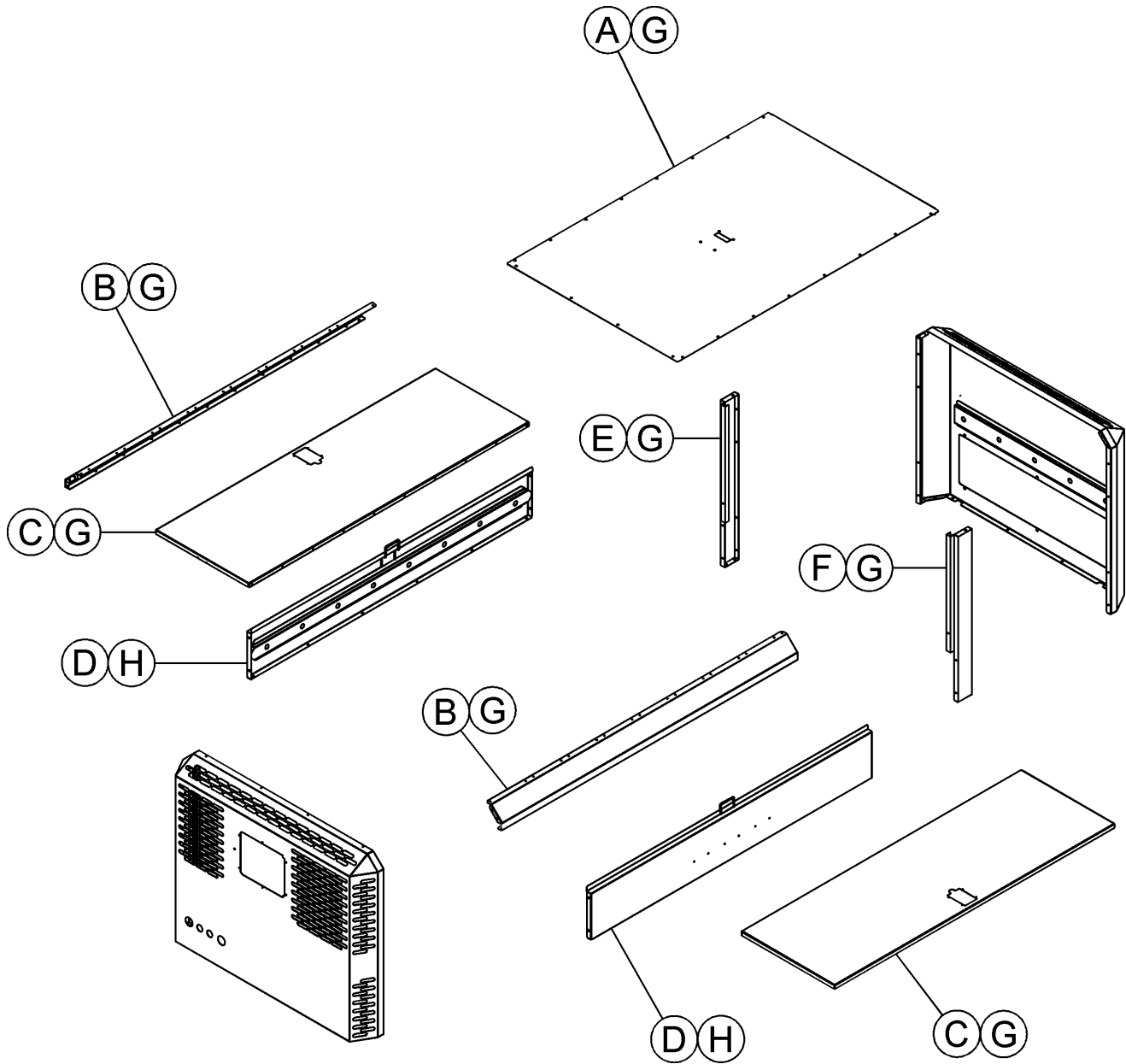
## Tachometer Gauge



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                                | QTY | DIMENSIONS/NOTES |
|------|-----------|--------------------------------------------|-----|------------------|
| A    | 54749601  | Frame, WW Instrument Panel                 | 1   |                  |
| B    | 22171680  | Panel, Instrument                          | 1   |                  |
| C    | 22171698  | Decal, WW Instrument Panel                 | 1   |                  |
| D    | 22055883  | Tachometer                                 | 1   |                  |
| E    | 22137426  | Lamp, 28V                                  | 1   |                  |
| F    | 22261465  | Harness, Tachometer Option                 | 1   |                  |
| G    | 22351217  | Laminate, Tachometer Option Wiring Diagram | 1   |                  |

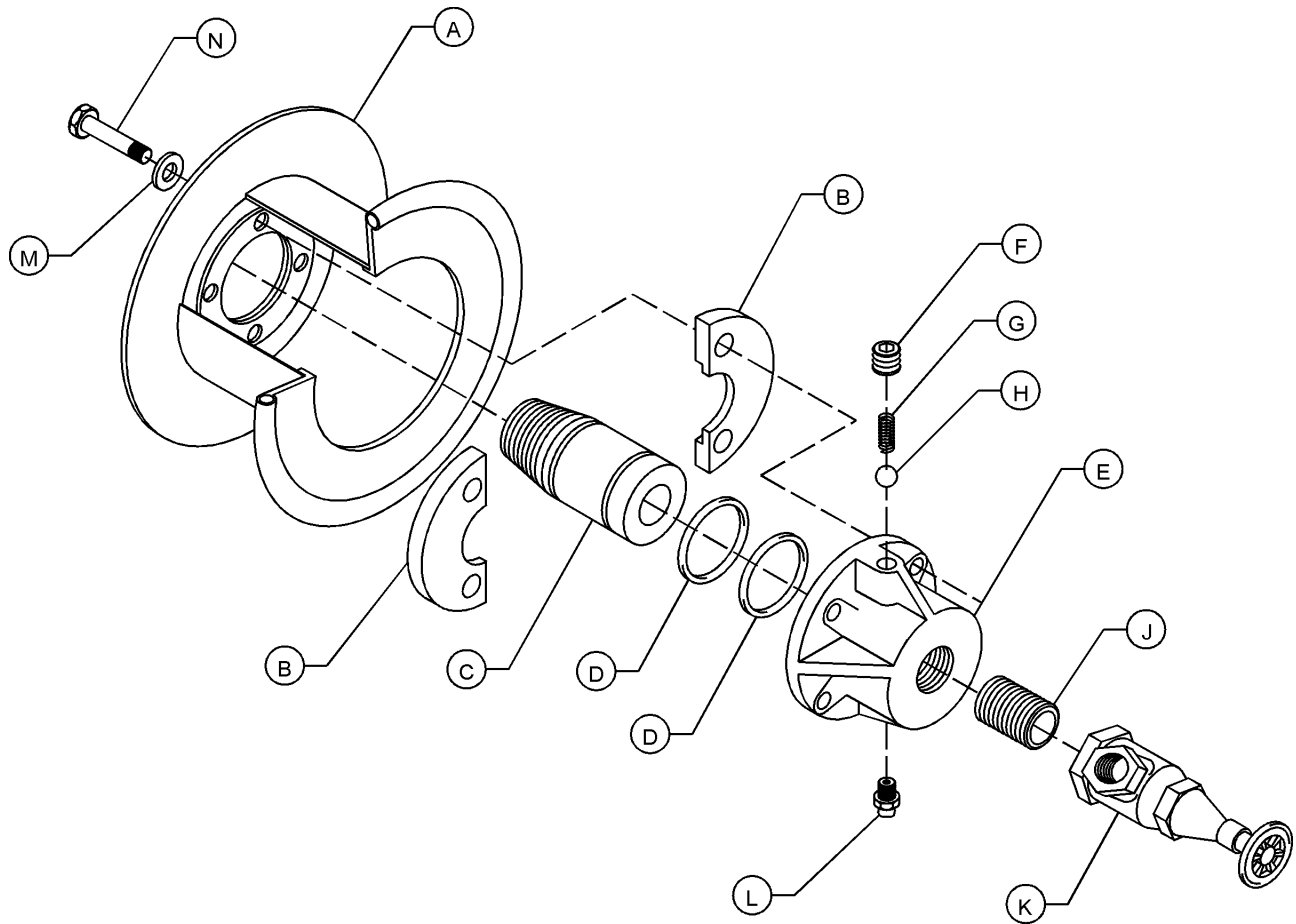
## Galvanneal Enclosure



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES |
|------|-----------|------------------------------|-----|------------------|
| A    | 54743240  | Roof                         | 1   |                  |
| B    | 54743273  | Rail, Top                    | 2   |                  |
| C    | 54743257  | Door, Side                   | 2   |                  |
| D    | 54743232  | Panel, Lower Side            | 2   |                  |
| E    | 54756515  | Panel, RH Side               | 1   |                  |
| F    | 54756523  | Panel, LH Side               | 1   |                  |
| G    | 36797652  | Screw, Tapping M06-1.0 X 12  | 43  |                  |
| H    | 35279025  | Screw, Tapping M08-1.25 X 20 | 28  |                  |

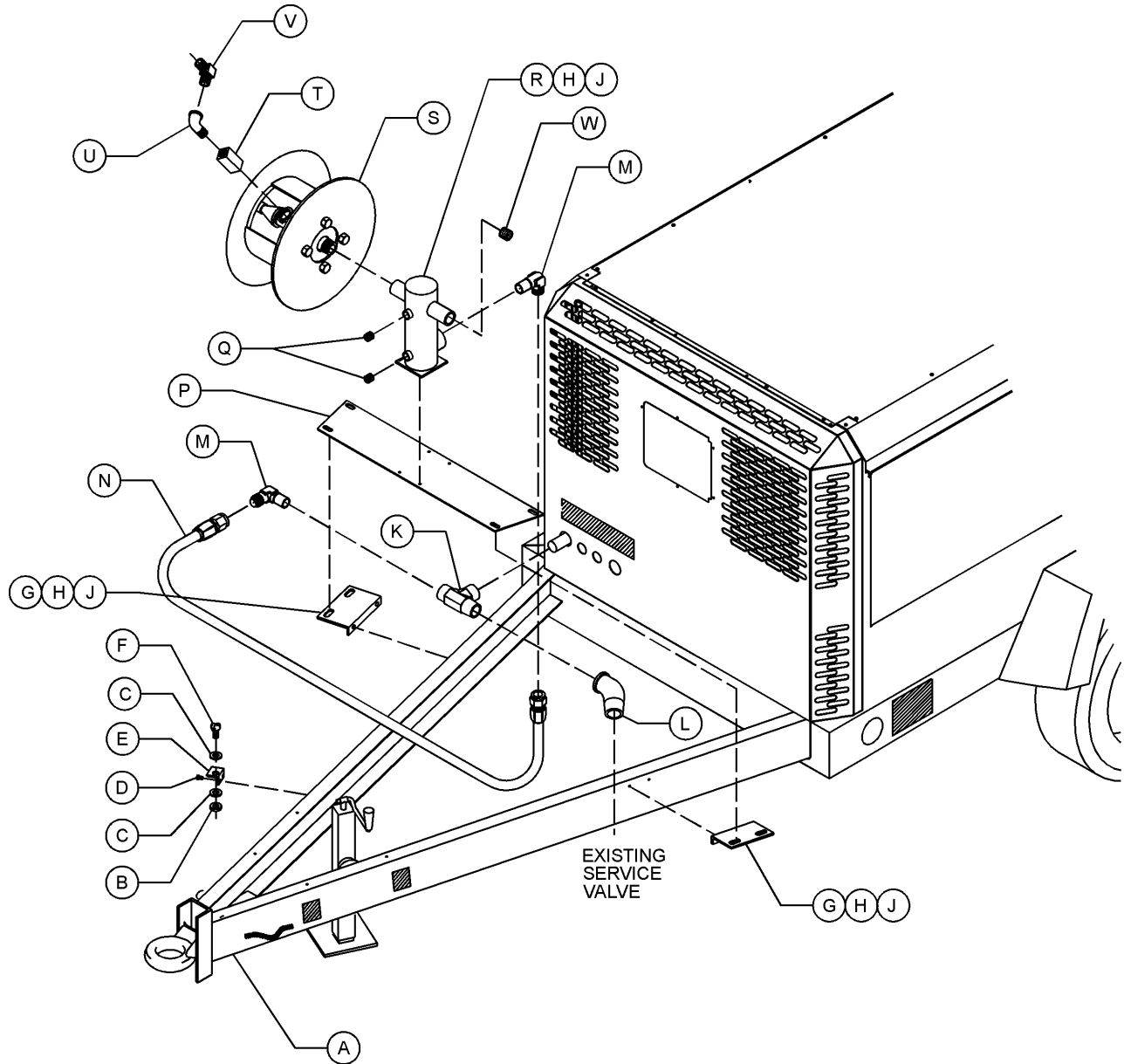
## Hose Reel Assembly



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------|-----|------------------|
| A    | 36765212  | Reel, Hose                 | 1   |                  |
| B    | 36765188  | Cover, Bearing             | 2   |                  |
| C    | 36765196  | Shaft, Bearing             | 1   |                  |
| D    | 95358297  | O-Ring                     | 2   |                  |
| E    | 36762706  | Bearing, Hose Reel         | 1   |                  |
| F    | 95928222  | Plug                       | 1   |                  |
| G    | 30671242  | Spring                     | 1   |                  |
| H    | 35221902  | Ball, Retard               | 1   |                  |
| J    | 95928040  | Nipple                     | 1   |                  |
| K    | 95072971  | Globe, Valve               | 1   |                  |
| L    | 35221894  | Fitting, Lube 1/8"         | 1   |                  |
| M    | 95937413  | Washer, Lock 3/8"          | 4   |                  |
| N    | 95934584  | Screw, Hex 3/8-16 X 1 1/2" | 4   |                  |

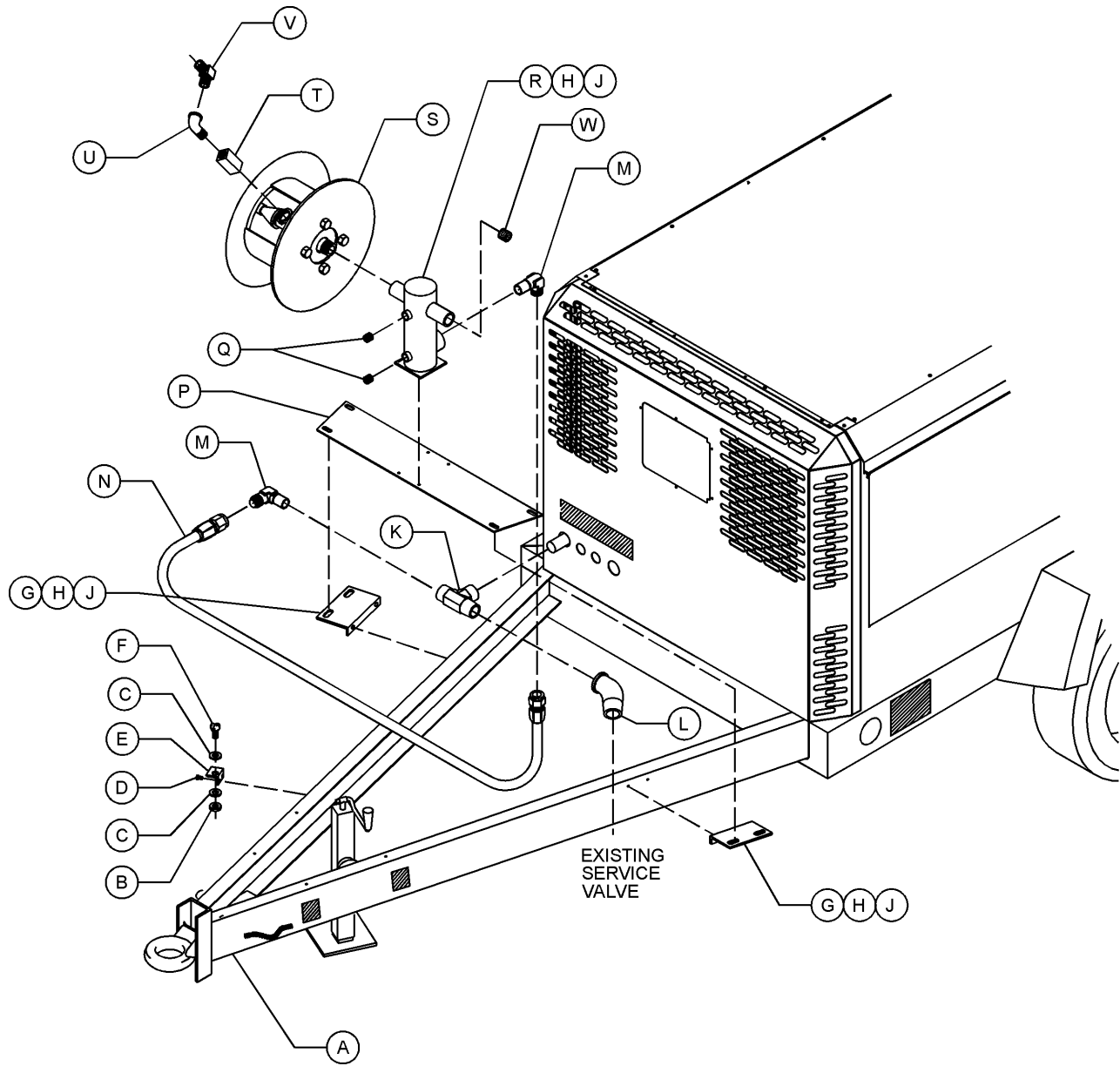
## Single Hose Reel



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES    |
|------|-----------|---------------------------------|-----|---------------------|
| A    | 36881191  | Drawbar, Extended Length        | 1   | <b>Continued...</b> |
| B    | 35153972  | Cap, Hose Lock                  | 1   |                     |
| C    | 95928321  | Washer, Flat .88"               | 2   |                     |
| D    | 92368687  | Screw, Tapping M06-1.0 X 14     | 2   |                     |
| E    | 35296748  | Bracket, Hose Reel Lock         | 1   |                     |
| F    | 35221910  | Lock, Coupling Hose             | 1   |                     |
| G    | 35855238  | Bracket, Channel Mounting       | 2   |                     |
| H    | 36880995  | Screw, Hex Flange M10-1.50 X 30 | 12  |                     |
| J    | 36879195  | Nut, Hex Flange M10-1.5         | 12  |                     |
| K    | 95280087  | Tee, Street 1.25" NPT           | 1   |                     |
| L    | 95031522  | Elbow, 45° Street 1.25" NPT     | 1   |                     |

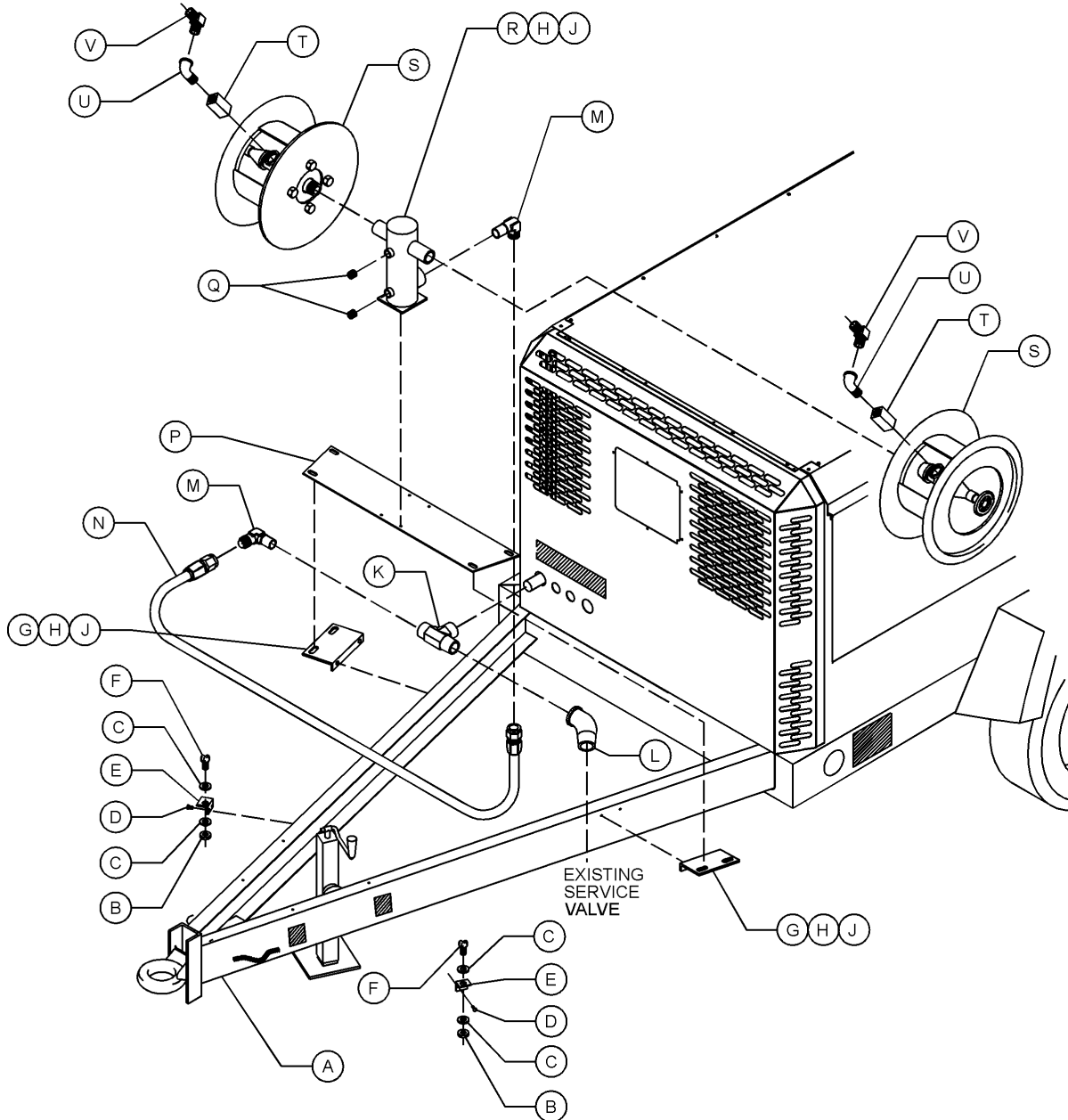
## Single Hose Reel



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                         | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------------|-----|------------------|
| M    | 95219861  | Elbow, 90° Tube 1.25" NPT X -20 JIC | 2   | ....Continued    |
| N    | 35228170  | Hose                                | 1   |                  |
| P    | 36882181  | Channel, Hose Reel                  | 1   |                  |
| Q    | 95947149  | Plug, Hex Countersink 3/4" NPT      | 2   |                  |
| R    | 36755460  | Manifold, Hose Reel                 | 1   |                  |
| S    | 35097914  | Hose Reel Assembly                  | 1   |                  |
| T    | 35364397  | Valve, Check                        | 1   |                  |
| U    | 95928172  | Elbow, 90° Street 3/4" NPT          | 1   |                  |
| V    | 95928198  | Elbow, 45° Street 3/4" NPT          | 1   |                  |
| W    | 95928248  | Plug, Hex Countersink 1.25"         | 1   |                  |

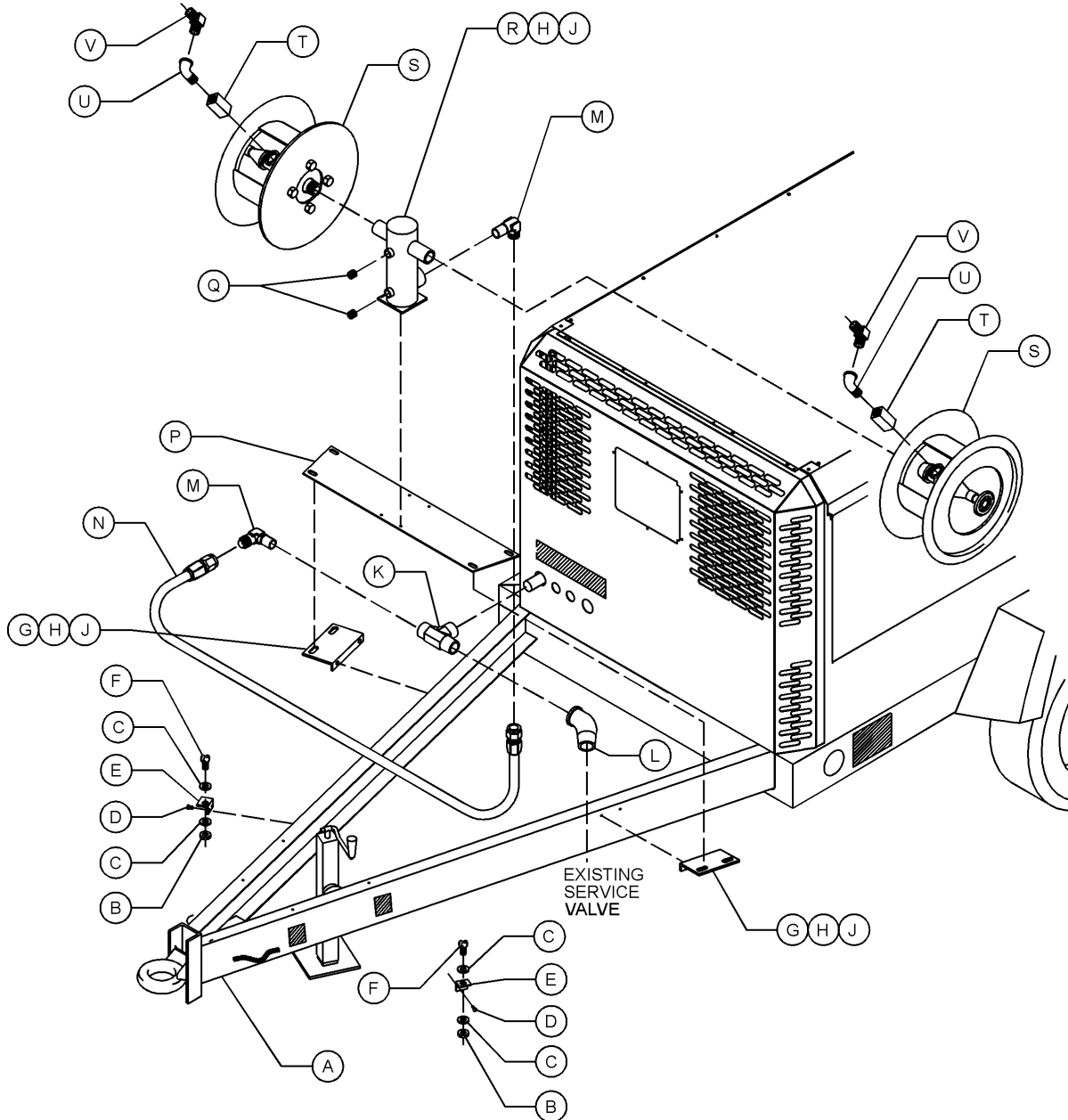
## Double Hose Reel



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES    |
|------|-----------|---------------------------------|-----|---------------------|
| A    | 36881191  | Drawbar, Extended Length        | 1   | <b>Continued...</b> |
| B    | 35153972  | Cap, Hose Lock                  | 2   |                     |
| C    | 95928321  | Washer, Flat .88"               | 4   |                     |
| D    | 92368687  | Screw, Tapping M06-1.0 X 14     | 4   |                     |
| E    | 35296748  | Bracket, Hose Reel Lock         | 2   |                     |
| F    | 35221910  | Lock, Coupling Hose             | 2   |                     |
| G    | 35855238  | Bracket, Channel Mounting       | 2   |                     |
| H    | 36880995  | Screw, Hex Flange M10-1.50 X 30 | 12  |                     |
| J    | 36879195  | Nut, Hex Flange M10-1.5         | 12  |                     |
| K    | 95280087  | Tee, Street 1.25" NPT           | 1   |                     |

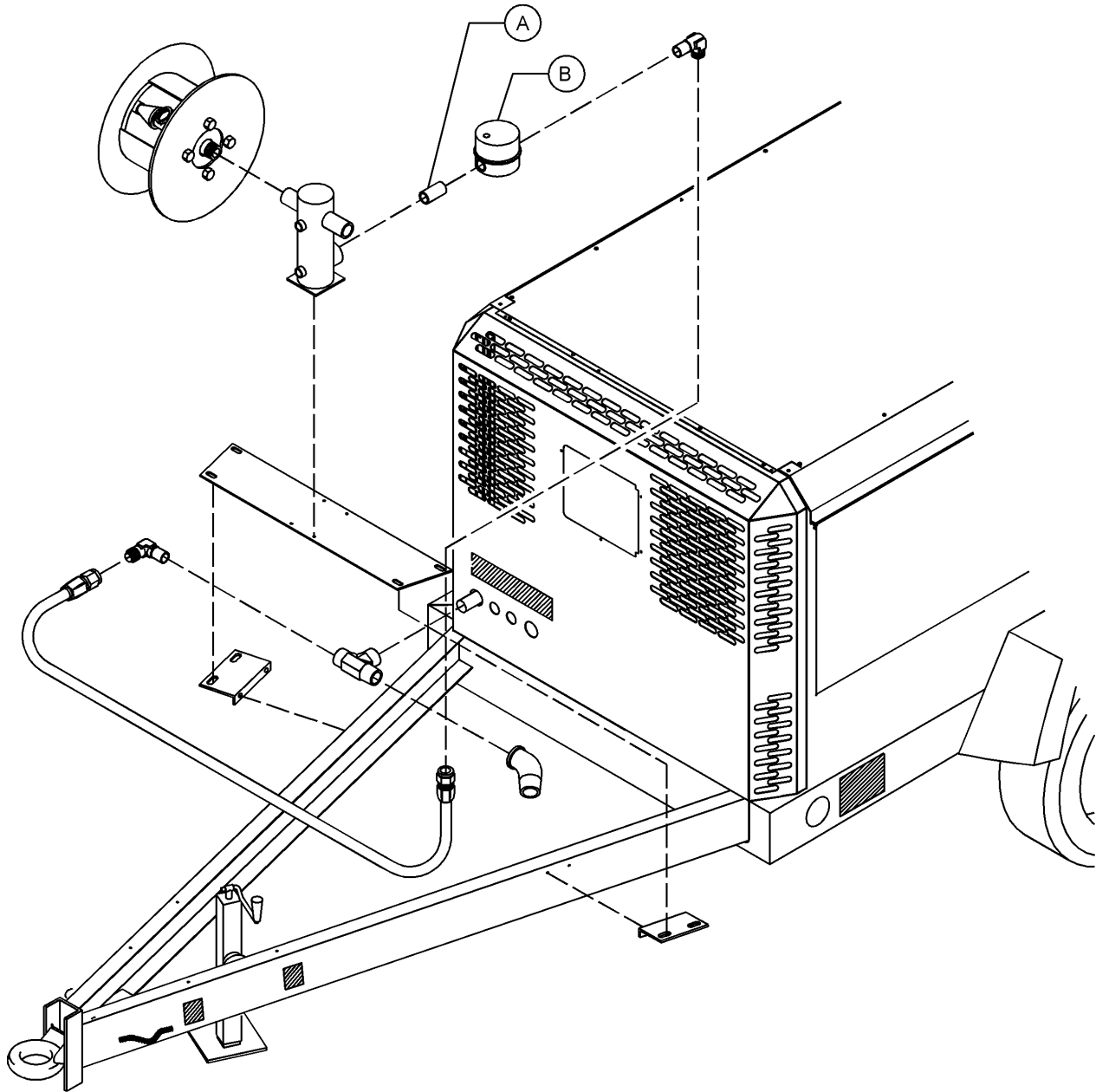
## Double Hose Reel



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                         | QTY | DIMENSIONS/NOTES |
|------|-----------|-------------------------------------|-----|------------------|
| L    | 95031522  | Elbow, 45° Street 1.25" NPT         | 1   | ....Continued    |
| M    | 95219861  | Elbow, 90° Tube 1.25" NPT X -20 JIC | 2   |                  |
| N    | 35228170  | Hose                                | 1   |                  |
| P    | 36882181  | Channel, Hose Reel                  | 1   |                  |
| Q    | 95947149  | Plug, Hex Countersink 3/4" NPT      | 2   |                  |
| R    | 36755460  | Manifold, Hose Reel                 | 1   |                  |
| S    | 35097914  | Hose Reel Assembly                  | 2   |                  |
| T    | 35364397  | Valve, Check                        | 2   |                  |
| U    | 95928172  | Elbow, 90° Street 3/4" NPT          | 2   |                  |
| V    | 95928198  | Elbow, 45° Street 3/4" NPT          | 2   |                  |

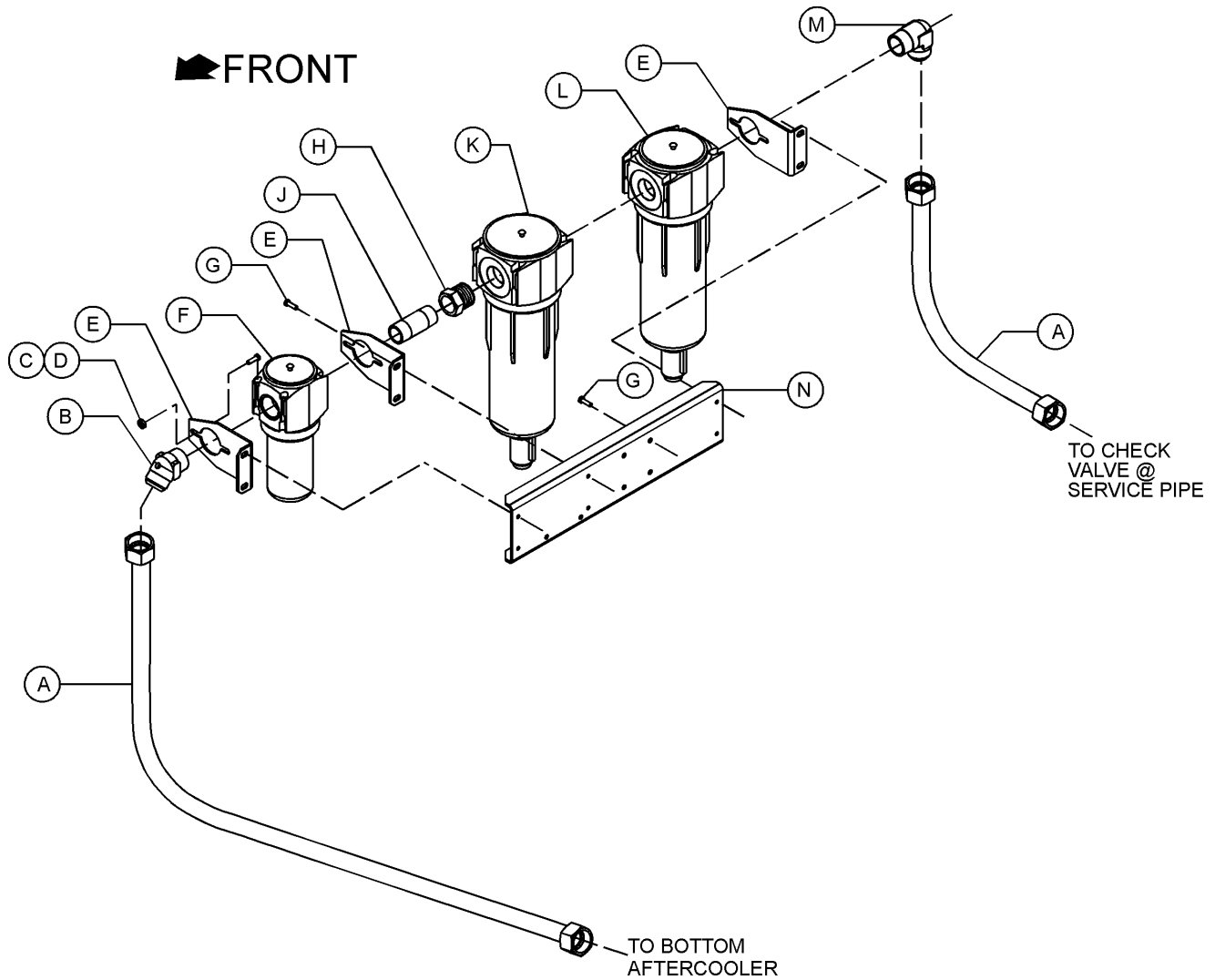
## Hose Reel Lubricator



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION         | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------|-----|------------------|
| A    | 95953600  | Nipple, 1.25" X 2"  | 1   |                  |
| B    | 35255025  | Lubricator, 1 Quart | 1   |                  |
|      | 35256252  | Lubricator, 2 Quart | 1   |                  |

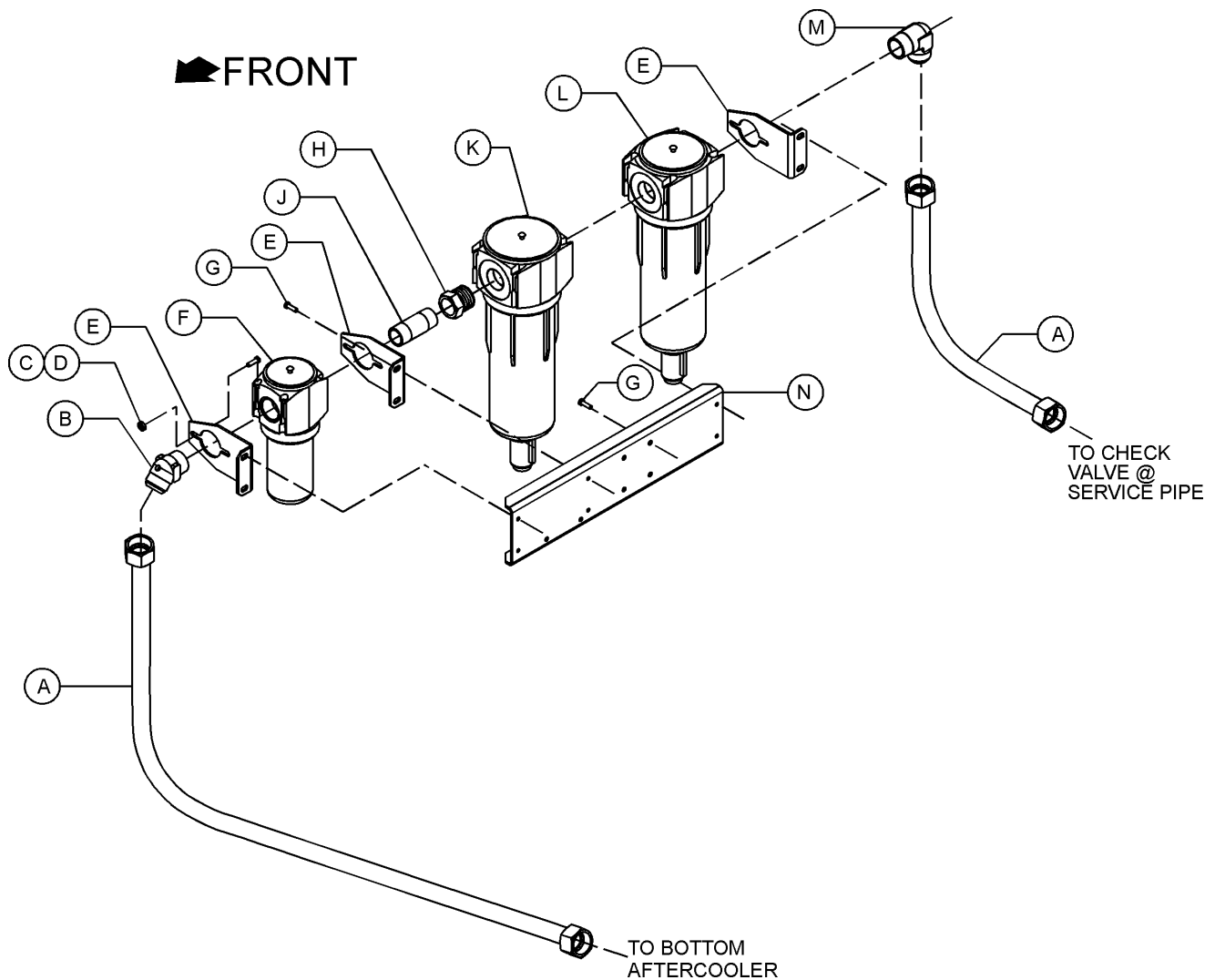
# IQ Filter Mounting PRIOR to S/N



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                      | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------------------|-----|------------------|
| A    | 35130855  | Hose, -24 JIC X 52.0"            | 2   |                  |
| B    | 36921500  | Elbow, 45° 1.50" NPT to -24 J1C  | 1   |                  |
| C    | 36880995  | Screw, Hex Flange M10-1.50 X 30  | 2   |                  |
| D    | 36879195  | Nut, Hex Flange M10-1.5          | 2   |                  |
| E    | 36882884  | Bracket, Filter Mounting         | 3   |                  |
| F    | 36882728  | Separator, Water 1.50" NPT       | 1   |                  |
| G    | 35279025  | Screw, Tapping M08-1.25 X 20     | 10  |                  |
| H    | 36883155  | Adapter, 1.5" NPT to 1.88-12 UNF | 1   |                  |
| J    | 95928032  | Nipple, Closed 1.50" NPT X 1.75" | 1   |                  |
| K    | 36882983  | Filter, 1st Stage                | 1   |                  |
| L    | 36882991  | Filter, 2nd Stage                | 1   |                  |

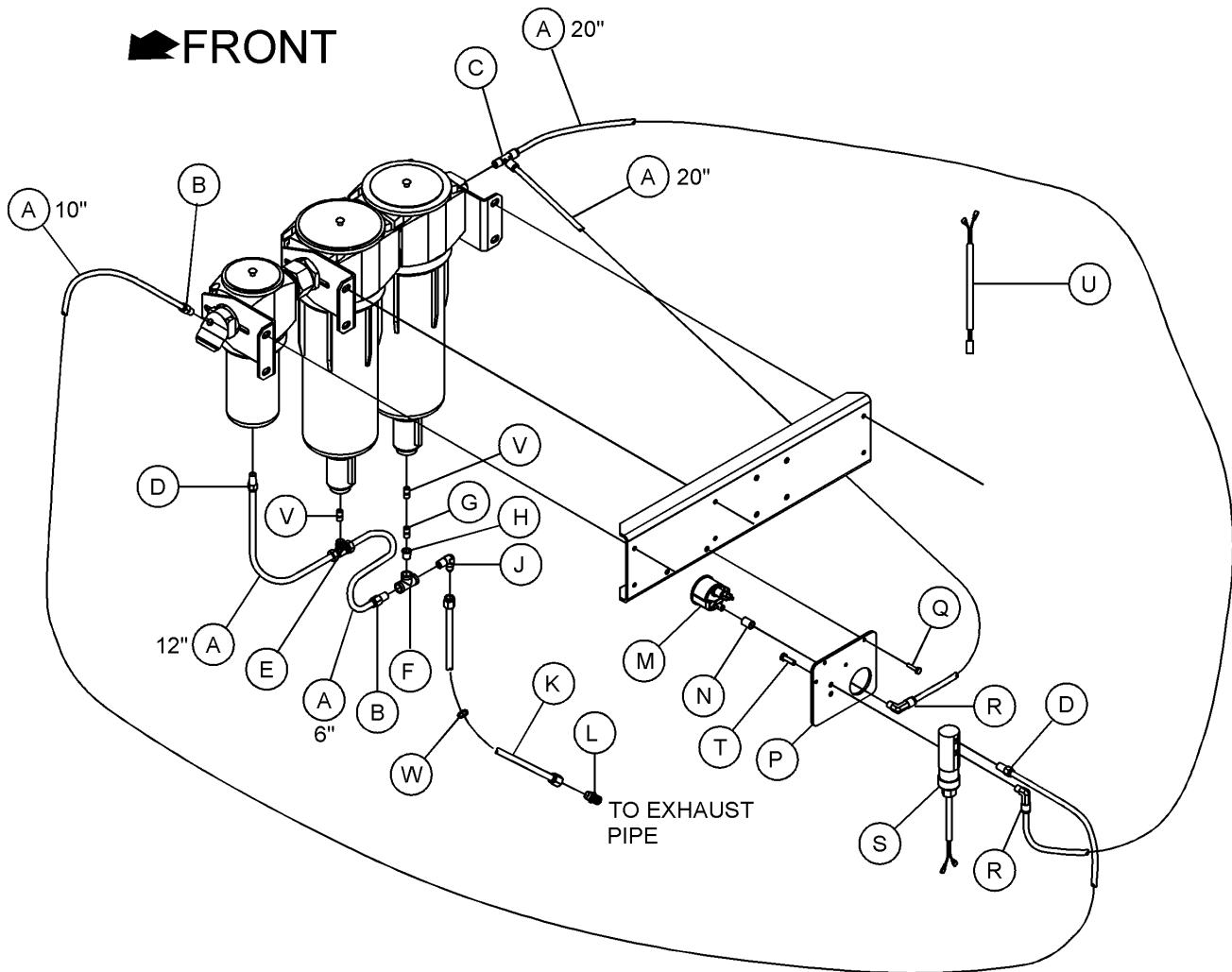
# IQ Filter Kits PRIOR to S/N



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                      | QTY | DIMENSIONS/NOTES                               |
|------|-----------|----------------------------------|-----|------------------------------------------------|
|      | 36883049  | Cap, Filter Housing 1st Stage    | AR  | 1 <sup>ST</sup> Stage Filter                   |
|      | 36883015  | Element, 1ST Stage               | AR  | 1 <sup>ST</sup> Stage Filter                   |
|      | 36883080  | Kit, Wedge Bol                   | AR  | 1 <sup>ST</sup> & 2 <sup>ND</sup> Stage Filter |
|      | 35378264  | Kit, Sight Glass                 | AR  | 1 <sup>ST</sup> & 2 <sup>ND</sup> Stage Filter |
|      | 36883106  | Kit, Air Filter Maintenance      | AR  | 1 <sup>ST</sup> & 2 <sup>ND</sup> Stage Filter |
|      | 36883114  | Rod, Element Retaining           | AR  | 1 <sup>ST</sup> & 2 <sup>ND</sup> Stage Filter |
|      | 35378223  | Indicator, Differential Pressure | AR  | 1 <sup>ST</sup> & 2 <sup>ND</sup> Stage Filter |
|      | 36883056  | Cap, Filter Housing 2ND Stage    | AR  | 2 <sup>ND</sup> Stage Filter                   |
|      | 36883023  | Element, 2ND Stage               | AR  | 2 <sup>ND</sup> Stage Filter                   |
|      | 36883270  | Cap, Water Separator             | AR  | Water Separator                                |
|      | 36883098  | Kit, Water Separator             | AR  | Water Separator                                |
|      | 35378231  | Kit, Drain                       | AR  | All Filters                                    |

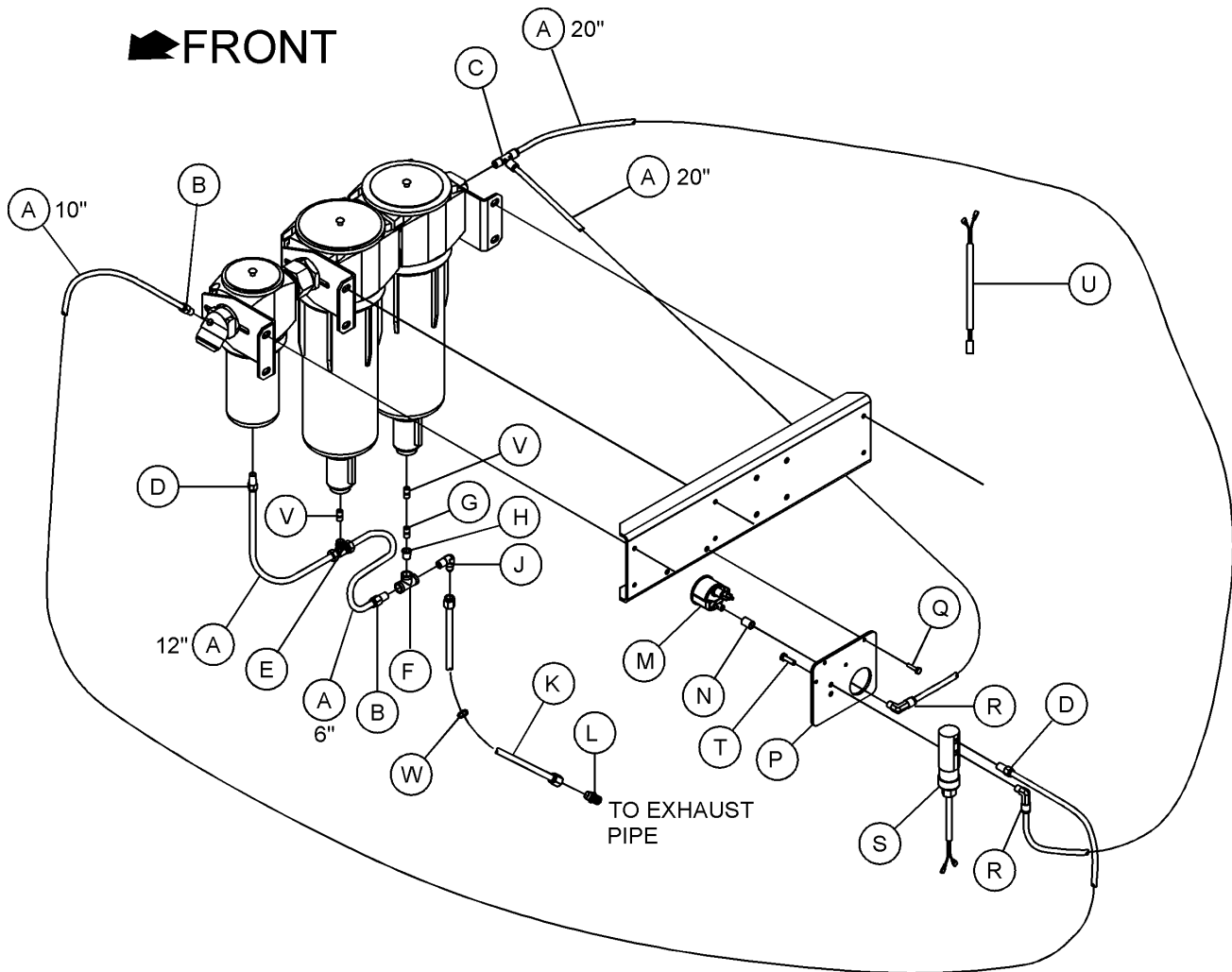
# IQ Filter Differential Pressure PRIOR to S/N



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                           | QTY | DIMENSIONS/NOTES    |
|------|-----------|---------------------------------------|-----|---------------------|
| A    | 35356484  | Tubing, 3/8" OD Synflex               | ~   | See Lengths Above   |
| B    | 35369347  | Connector, Male 1/4" NPTF X 3/8" Tube | 2   |                     |
| C    | 35369503  | Tee, Male Run 1/4" NPT X 3/8" Tube    | 1   |                     |
| D    | 35379700  | Connector, 1/8" NPT X 3/8" Tube       | 2   |                     |
| E    | 35369396  | Tee, Male Run 1/8" NPT X 3/8" Tube    | 1   |                     |
| F    | 95954194  | Tee, 1/4" NPT                         | 1   |                     |
| G    | 95953493  | Nipple, Closed 1/8" NPT X 3/4"        | 1   |                     |
| H    | 95930301  | Bushing, Reducing 1/4" NPT X 1/8" NPT | 1   |                     |
| J    | 35283464  | Elbow, 90° 1/4" NPT X -4 JIC          | 1   |                     |
| K    | 35306661  | Hose Assembly, -4 JIC X 94"           | 1   |                     |
|      |           |                                       |     | <b>Continued...</b> |

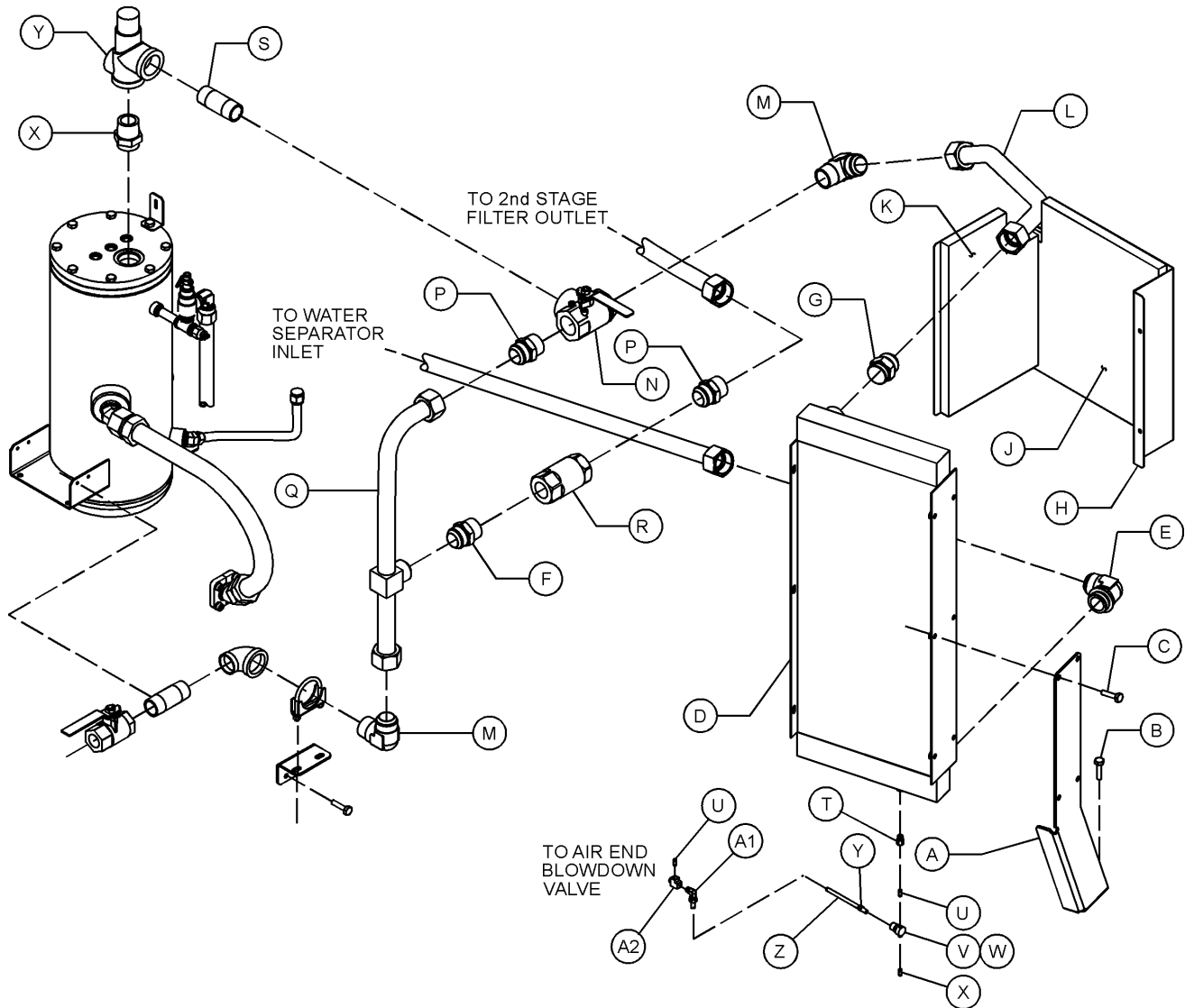
# IQ Filter Differential Pressure PRIOR to S/N



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                         | QTY | DIMENSIONS/NOTES      |
|------|-----------|-------------------------------------|-----|-----------------------|
| L    | 35283472  | Connector, 1/4" NPT X -4 JIC Swivel | 1   | .... <i>Continued</i> |
| M    | 36891216  | Gauge, Pressure 250 PSI             | 1   |                       |
| N    | 95038634  | Coupling, 1/8" NPT X 3/4"           | 1   |                       |
| P    | 54762125  | Plate, Gauge                        | 1   |                       |
| Q    | 36797652  | Screw, Tapping M06-1.0 X 12         | 2   |                       |
| R    | 35370386  | Elbow, 90° Male 1/8" NPT X 1/8" NPT | 2   |                       |
| S    | 36899615  | Indicator, Pressure Differential    | 1   |                       |
| T    | 95934774  | Screw, Hex 1/4"-20 X 1/2"           | 2   |                       |
| U    | 22293484  | Harness, IQ Option                  | 1   |                       |
| V    | 96746334  | Adapter, 1/8" BSPT to 1/8" NPT      | 2   |                       |
| W    | 35285162  | Grommet, 3/4" ID                    | 1   |                       |

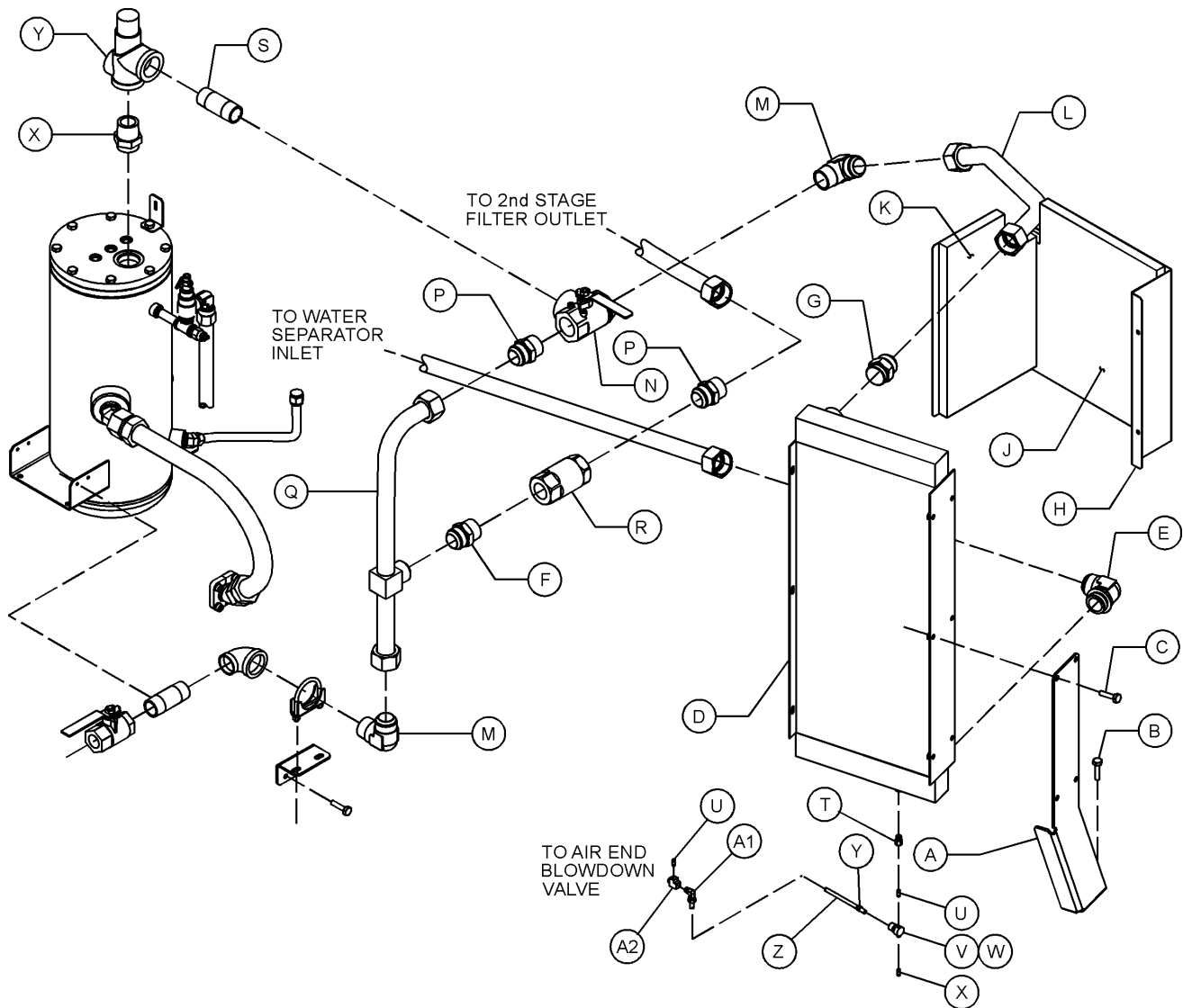
# IQ Filter Aftercooler PRIOR to S/N



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                         | QTY | DIMENSIONS/NOTES    |
|------|-----------|-------------------------------------|-----|---------------------|
| A    | 54761622  | Bracket, Aftercooler Mounting       | 1   | <b>Continued...</b> |
| B    | 35279025  | Screw, Tapping M08-1.25 X 20        | 4   |                     |
| C    | 96702279  | Screw, Hex M10-1.50 X 20            | 4   |                     |
| D    | 54660162  | Aftercooler                         | 1   |                     |
| E    | 95431292  | Elbow, 90° 1.88-12 X -12JIC         | 1   |                     |
| F    | 36883155  | Adapter, 1.5" NPT to 1.88-12 UNF    | 3   |                     |
| G    | 35296409  | Connector, 1.88-12 X -24 JIC        | 1   |                     |
| H    | 22070908  | Baffle, Front Aftercooler           | 1   |                     |
| J    | 22074504  | Panel, Aftercooler Interior Baffle  | 1   |                     |
| K    | 22074488  | Panel, Aftercooler Interior Baffle  | 1   |                     |
| L    | 54759691  | Tube, Separator Tank to Aftercooler | 1   |                     |
| M    | 95279477  | Elbow, 90° 1.5" NPT X -24 JIC       | 2   |                     |
| N    | 22258339  | Valve, 3-Way 1.5" NPT               | 1   |                     |

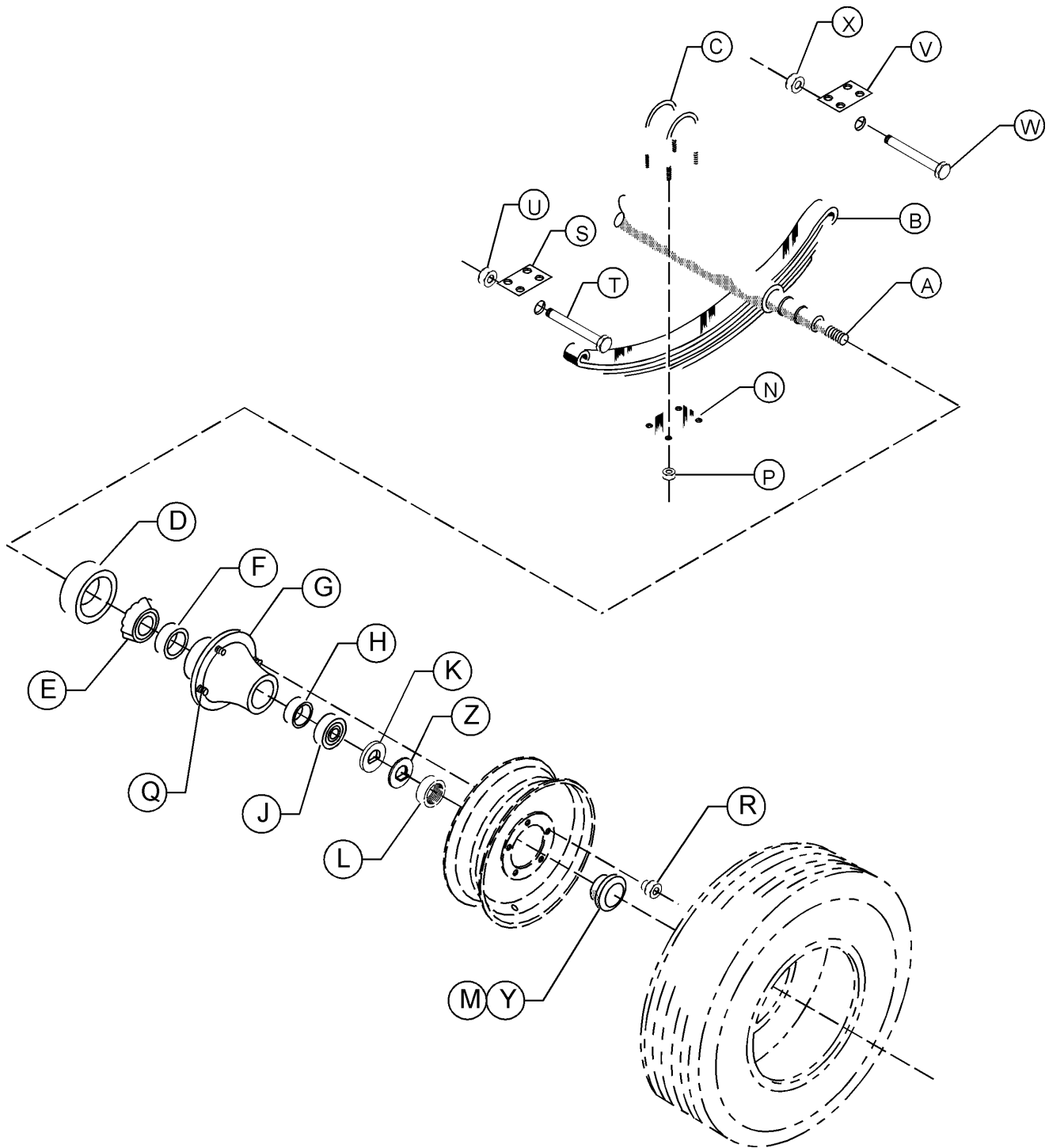
# IQ Filter Aftercooler PRIOR to S/N



23209257\_11/07\_A

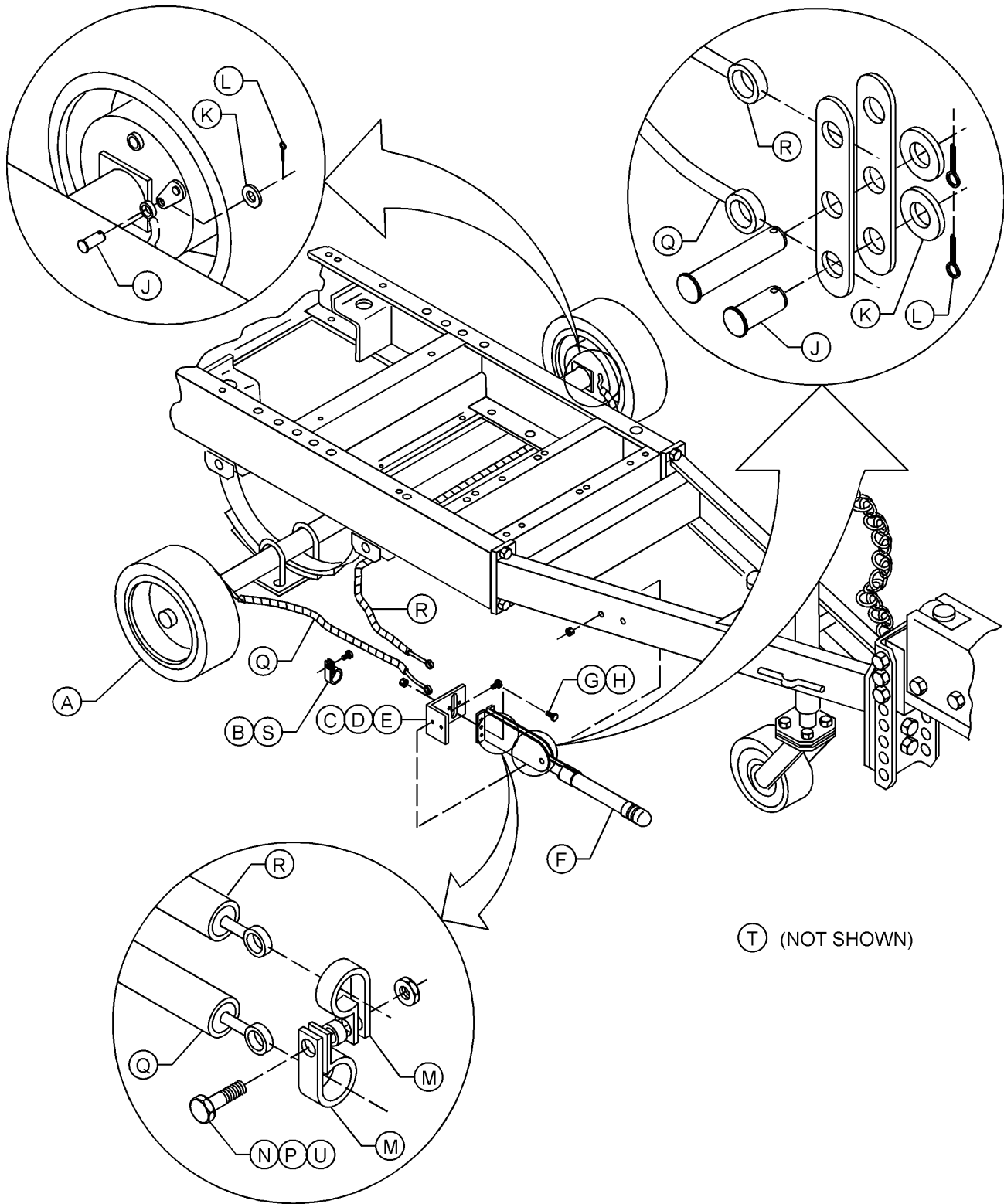
| ITEM | COMM. NO. | DESCRIPTION                             | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------------------|-----|------------------|
| P    | 95208682  | Adapter, Swivel 1.50" NPT X 1.88-12 UNF | 2   | ....Continued    |
| Q    | 54671135  | Tube, Separator Tank to Service Pipe    | 1   |                  |
| R    | 36786820  | Valve, Check 1.50" NPT                  | 1   |                  |
| S    | 95487773  | Nipple, Closed 1.5" NPT X 1.75"         | 1   |                  |
| T    | 35293687  | Adapter, 9/16-18 to 1/4" NPT            | 1   |                  |
| U    | 95944575  | Nipple, Closed 1/4" NPT X 7/8"          | 2   |                  |
| V    | 35322379  | Valve, Blowdown                         | 1   |                  |
| W    | 35379064  | Diaphragm Repair Kit                    | AR  |                  |
| X    | 36766756  | Orifice, Muffler .140                   | 1   |                  |
| Y    | 35369347  | Connector, Male 1/4" NPTF X 3/8" Tube   | 1   |                  |
| Z    | 35356484  | Tubing, 3/8" OD Synflex                 | 50" |                  |
| A1   | 35369354  | Elbow, 90° Male 1/4" NPT X 3/8 Tube     | 1   |                  |
| A2   | 35114545  | Tee, Street 1/4" NPT                    | 1   |                  |

# Running Gear without Brakes



| 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    | 35318823  | Hub, Studded w/ Cups | 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   |                  |
| 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   |                  |

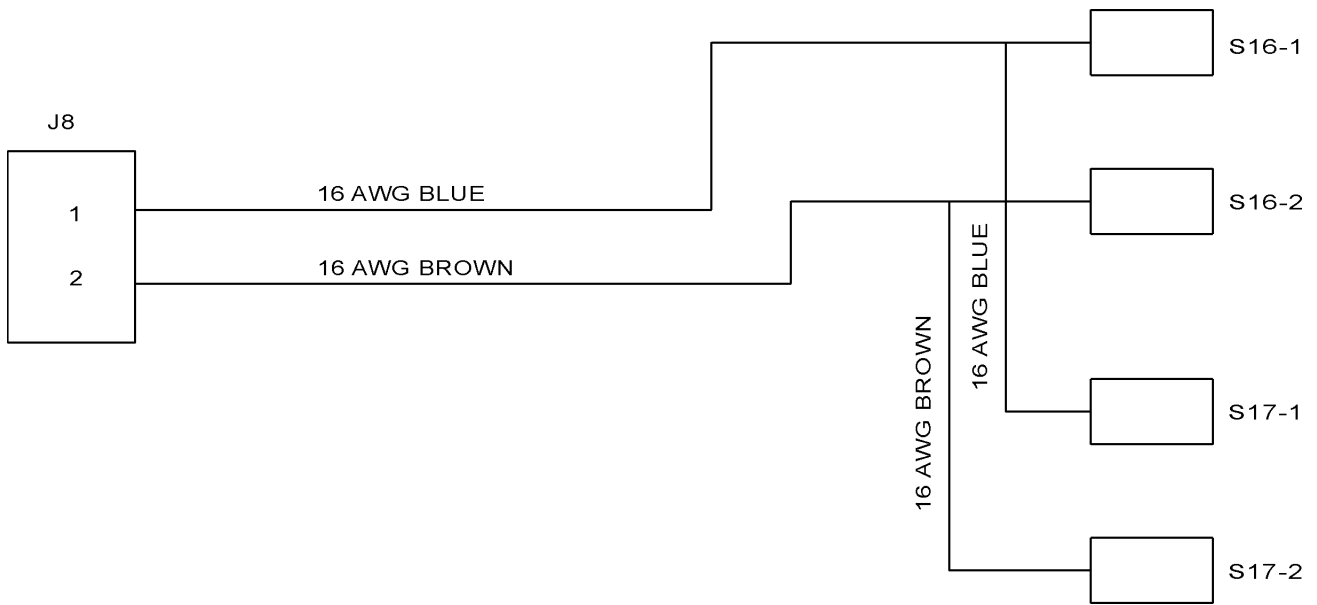
# Parking Brake



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                 | QTY | DIMENSIONS/NOTES |
|------|-----------|-----------------------------|-----|------------------|
| A    | 54625322  | Running Gear w/ Brakes      | 1   |                  |
| B    | 35134477  | Clamp, Rubber Coated        | 2   |                  |
| C    | 35116433  | Bracket, Brake Lever        | 1   |                  |
| D    | 96704309  | Screw, Hex M10-1.50 X 35    | 2   |                  |
| E    | 96735550  | Nut, Hex M10                | 2   |                  |
| F    | 35370055  | Lever, Parking Brake        | 1   |                  |
| G    | 96702659  | Screw, Hex M08-1.25 X 25    | 2   |                  |
| H    | 96735543  | Nut, Hex M08                | 2   |                  |
| J    | 36846780  | Pin, Clevis .31 X .75       | 4   |                  |
| K    | 95934998  | Washer, Flat 3/8            | 4   |                  |
| L    | 95928867  | Pin, Cotter .09             | 4   |                  |
| M    | 35126325  | Clamp, Cable                | 2   |                  |
| N    | 95943668  | Screw, Hex 5/16-18 X 1.75   | 1   |                  |
| P    | 35126358  | Spacer                      | 1   |                  |
| Q    | 35589746  | Assembly, Brake Cable 78"   | 1   |                  |
| R    | 36503134  | Assembly, Brake Cable 108"  | 1   |                  |
| S    | 35300771  | Screw, Tapping M06-1.0 X 20 | 1   |                  |
| T    | 35253038  | Clamp, Rubber Coated        | 3   |                  |
| U    | 35252600  | Nut, Lock 5/16-18           | 1   |                  |

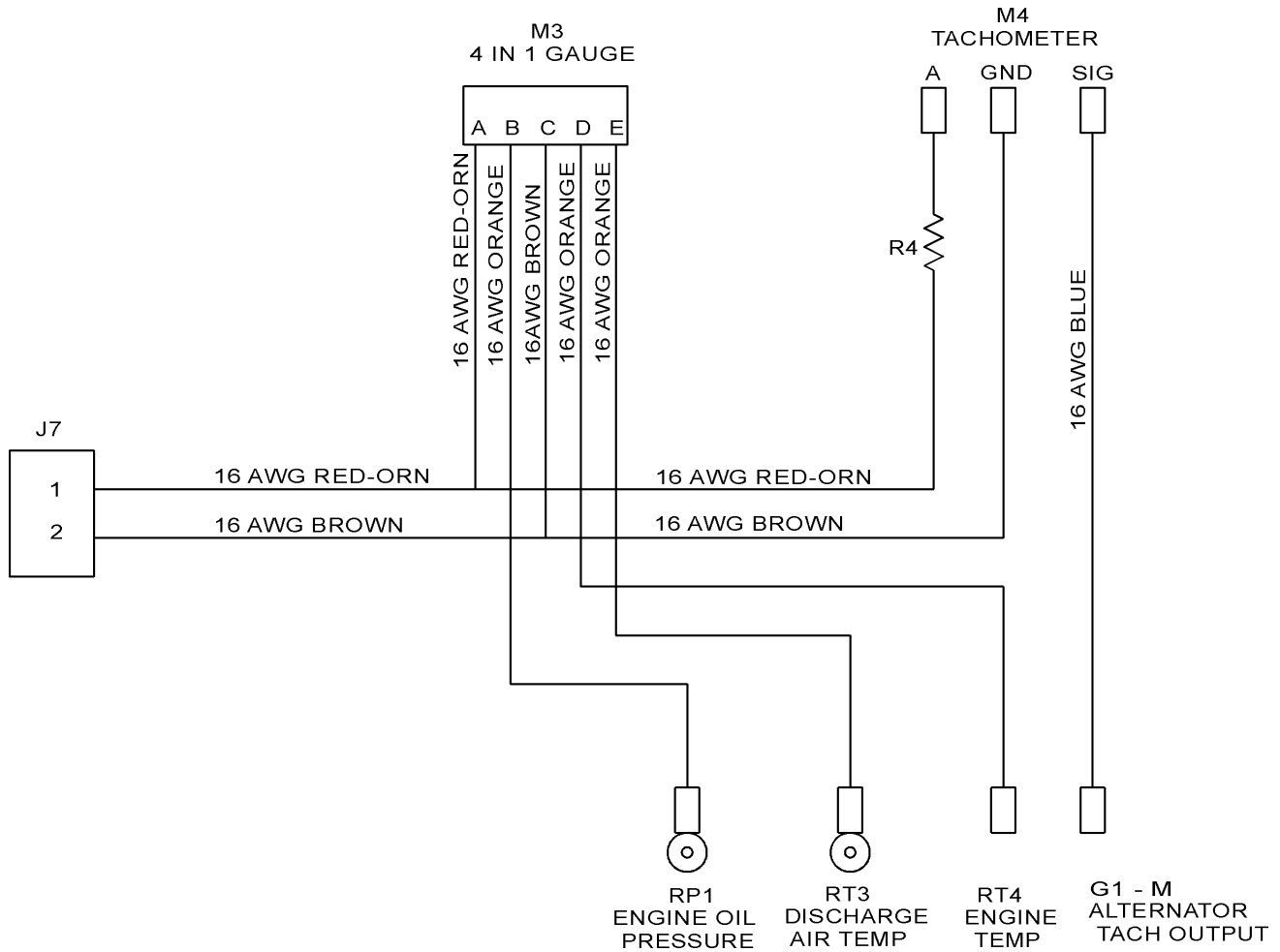
## AIR FILTER RESTRICTION WIRING SCHEMATIC



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION          | QTY | DIMENSIONS/NOTES |
|------|-----------|----------------------|-----|------------------|
| S16  | 36847838  | Switch, Vacuum       | 1   |                  |
| S17  | 36847838  | Switch, Vacuum       | 1   |                  |
| W4   | 22251904  | Harness, AFRI Wiring | 1   |                  |

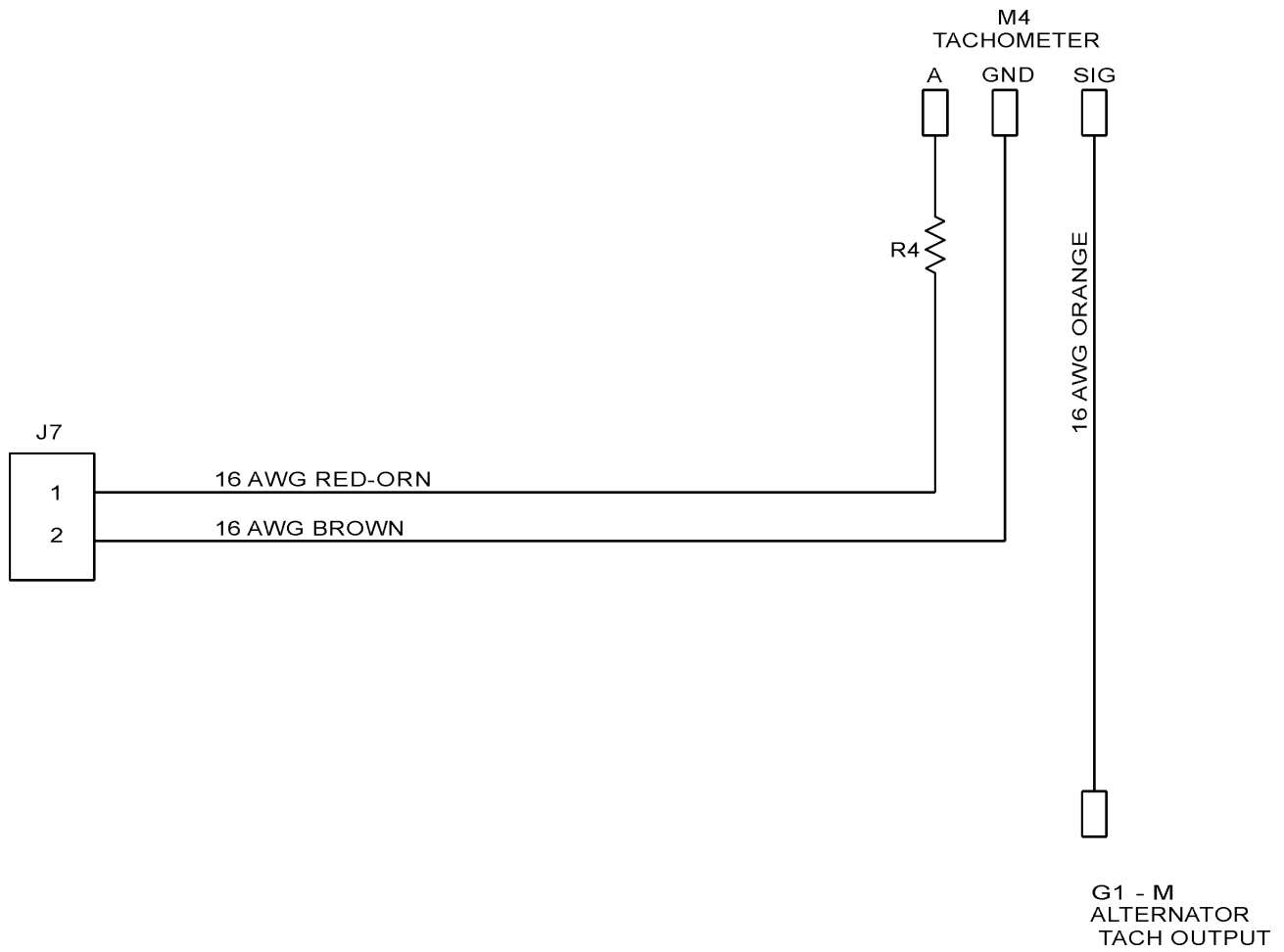
## Option Wiring Schematic



23209257\_11/07\_A

| ITEM | COMM. NO. | DESCRIPTION                  | QTY | DIMENSIONS/NOTES                  |
|------|-----------|------------------------------|-----|-----------------------------------|
| M3   | 22255046  | Gauge, 4-in-1                | 1   | Engine Oil<br>Discharge<br>Engine |
| M4   | 22055883  | Tachometer                   | 1   |                                   |
| RP1  | 36870608  | Sender, Pressure 145 PSI     | 1   |                                   |
| RT3  | 35367218  | Sender, Temperature 300°     | 1   |                                   |
| RT4  | 35372457  | Sender, Temperature 300°     | 1   |                                   |
| W3   | 22251896  | Harness, Option Wiring       | 1   |                                   |
| W6   | 22255053  | Harness, 4-in-1 Gauge Wiring | 1   |                                   |

## Tachometer Wiring Schematic



23209257\_11/07\_A

# MISCELLANEOUS OPTIONS

| ITEM | COMM. NO. | DESCRIPTION                     | QTY | DIMENSIONS/NOTES |
|------|-----------|---------------------------------|-----|------------------|
|      |           | DOOR KEY LOCK OPTION            |     |                  |
|      | 36794345  | Cylinder, Key Lock              |     |                  |
|      | 35612746  | Key (replacement)               |     |                  |
|      |           | 2" BALL COUPLER OPTION          |     |                  |
|      | 36509073  | Coupler Assembly, 2" Ball       |     |                  |
|      | 35131499  | Lip *                           |     |                  |
|      | 35131481  | Spring *                        |     |                  |
|      | 35131457  | Nut, Loop Handle *              |     |                  |
|      | 35131465  | Bolt *                          |     |                  |
|      | 35376094  | Screw, Hex M16-2.0 X 120        |     |                  |
|      | 96701750  | Nut, Hex M16-2.0                |     |                  |
|      |           | SECURITY LIFTING OPTION         |     |                  |
|      | 54742028  | Eye, Security Lift              |     |                  |
|      | 35290113  | Screw, Hex M16-2.0 X 75         |     |                  |
|      | 96701750  | Nut, Hex M16-2.0                |     |                  |
|      |           | CASTER WHEEL OPTION             |     |                  |
|      | 36866986  | Caster Wheel Assembly           |     |                  |
|      | 35366319  | Handle, Lock Plunger *          |     |                  |
|      | 35366327  | Spring, Lock Plunger *          |     |                  |
|      | 35366335  | Pin, Hinge                      |     |                  |
|      | 35366343  | Plunger, Lock *                 |     |                  |
|      | 36866994  | Tire & Wheel Assembly *         |     |                  |
|      | 35366368  | Bracket, Frame *                |     |                  |
|      | 35366376  | Fork *                          |     |                  |
|      | 35366418  | Swivel Head *                   |     |                  |
|      | 35366426  | Pin, Collar *                   |     |                  |
|      | 35366434  | Fork, SHAFT *                   |     |                  |
|      | 35366442  | Fitting, Lube*                  |     |                  |
|      | 35366459  | Bolt, Axle *                    |     |                  |
|      | 35366467  | Nut, Axle Bolt *                |     |                  |
|      | 35366475  | Collar *                        |     |                  |
|      | 36877793  | Screw, Hex Flange M12-1.25 X 40 |     |                  |
|      | 36879203  | Nut, Hex Flange M12-1.25        |     |                  |
|      |           | * Part of Option Assembly       |     |                  |



# NUMERICAL INDEX

| COMM.NO. | PAGE | COMM.NO. | PAGE | COMM.NO. | PAGE | COMM.NO. | PAGE |
|----------|------|----------|------|----------|------|----------|------|
| 18963496 | C-14 | 22144513 | B-17 | 22258339 | D-3  | 22915276 | B-30 |
| 18964932 | C-23 | 22144521 | B-5  |          | D-5  | 22915284 | B-29 |
| 18965087 | C-19 |          | D-12 |          | D-30 |          | B-56 |
| 18965343 | C-21 |          | D-13 | 22261465 | D-18 | 22915292 | B-29 |
| 18966077 | C-14 |          | D-14 | 22272322 | B-61 |          | B-56 |
| 18969402 | C-10 | 22146617 | B-18 | 22293484 | D-7  | 22950406 | B-34 |
|          | C-11 | 22146625 | B-18 |          | D-29 | 22959936 | B-5  |
|          | C-15 | 22146633 | B-18 | 22299051 | B-67 | 22962583 | B-15 |
| 18969410 | C-9  | 22146641 | B-18 | 22351217 | D-18 | 22969257 | B-11 |
|          | C-15 |          | B-37 | 22377949 | B-22 |          | C-16 |
| 18969428 | C-12 | 22150197 | B-16 | 22378004 | B-22 | 22969265 | B-11 |
|          | C-19 | 22150643 | B-15 | 22394258 | B-63 |          | C-30 |
| 22050553 | B-45 | 22171680 | B-44 | 22394308 | B-67 | 22969554 | B-49 |
|          | B-50 |          | D-16 | 22425821 | B-43 | 22983001 | B-21 |
|          | D-16 |          | D-17 | 22431928 | B-62 | 22986962 | B-48 |
| 22054076 | B-44 |          | D-18 | 22431936 | B-43 | 23016652 | C-9  |
|          | B-50 | 22171698 | B-44 | 22446298 | B-13 | 23017189 | C-12 |
|          | D-16 |          | D-16 | 22447460 | B-13 | 23019458 | C-12 |
| 22054159 | B-45 |          | D-17 | 22447486 | B-13 | 23094170 | C-11 |
|          | D-16 |          | D-18 | 22447494 | B-13 | 23110497 | C-27 |
| 22054175 | B-44 | 22172423 | B-45 | 22447577 | B-13 | 23110984 | C-19 |
|          | B-50 |          | B-50 | 22481568 | B-13 |          | C-22 |
|          | D-16 |          | D-16 | 22489223 | D-11 | 23137821 | B-31 |
| 22055883 | D-16 | 22173579 | B-41 | 22489231 | D-11 | 23137953 | B-29 |
|          | D-18 | 22174742 | B-17 | 22501316 | D-11 |          | B-59 |
|          | D-37 | 22177265 | B-17 | 22517502 | B-43 | 23186729 | D-7  |
| 22058325 | B-63 | 22189302 | B-17 | 22519813 | B-33 |          | D-8  |
| 22060073 | B-35 | 22189310 | B-17 | 22519821 | B-33 | 23186737 | D-7  |
| 22067714 | B-39 | 22189609 | B-20 | 22530748 | D-16 | 23186745 | D-7  |
| 22068282 | B-67 |          | B-57 |          | D-17 | 23186752 | D-7  |
| 22068373 | B-63 | 22192801 | B-43 | 22530797 | D-16 | 23186760 | D-7  |
| 22070494 | B-44 | 22197776 | B-41 | 22685481 | B-36 | 23187388 | D-7  |
|          | D-16 | 22206148 | B-11 | 22685499 | B-36 | 23187420 | D-7  |
| 22070908 | B-63 |          | C-29 | 22685507 | B-36 |          | D-8  |
|          | D-3  | 22206213 | B-48 | 22685523 | B-36 | 23194210 | D-7  |
|          | D-5  |          | C-13 | 22692602 | B-45 |          | D-8  |
|          | D-30 | 22206221 | B-48 |          | B-50 | 23194970 | D-7  |
| 22072318 | D-9  |          | C-14 |          | D-16 | 23207335 | C-7  |
| 22074488 | B-61 | 22215354 | B-41 | 22698476 | B-46 | 23229511 | C-14 |
|          | D-3  | 22220487 | B-16 | 22746630 | B-15 | 23229560 | C-3  |
|          | D-5  | 22222574 | C-23 | 22748578 | B-10 | 23229586 | C-9  |
|          | D-30 | 22222582 | C-23 | 22835680 | B-50 | 23229610 | C-21 |
| 22074504 | B-61 | 22222590 | C-23 | 22872691 | B-17 | 23229628 | C-27 |
|          | D-3  | 22247340 | B-20 | 22884605 | B-10 | 23229636 | C-9  |
|          | D-5  | 22251896 | D-16 | 22894703 | B-39 | 23229727 | C-2  |
|          | D-30 |          | D-17 | 22895460 | B-39 | 23229743 | C-10 |
| 22107478 | B-44 |          | D-37 | 22895478 | B-39 | 23229750 | C-2  |
| 22111975 | B-34 | 22251904 | D-16 | 22897607 | B-15 | 23229768 | C-9  |
| 22127385 | B-44 |          | D-36 | 22897615 | B-17 | 23229776 | C-27 |
|          | B-50 | 22253041 | B-9  | 22897623 | B-17 | 23229792 | C-9  |
|          | D-16 | 22255046 | D-16 | 22897631 | B-16 | 23229800 | C-27 |
| 22134118 | B-45 |          | D-17 | 22897649 | B-16 | 23229826 | C-25 |
|          | D-16 |          | D-37 | 22902134 | B-15 | 23229859 | C-27 |
| 22137426 | B-45 | 22255053 | D-37 | 22910723 | B-15 | 23229875 | C-27 |
|          | D-16 |          |      | 22910962 | B-15 | 23229883 | C-2  |
|          | D-18 |          |      | 22910988 | B-15 | 23229909 | C-3  |

# NUMERICAL INDEX

| COMM.NO. | PAGE | COMM.NO. | PAGE | COMM.NO. | PAGE | COMM.NO. | PAGE |
|----------|------|----------|------|----------|------|----------|------|
| 23229917 | C-25 | 24899247 | C-25 | 35225077 | B-46 | 35279884 | B-21 |
| 23229925 | C-25 | 24899304 | C-29 |          | B-47 |          | B-57 |
| 23229933 | C-29 | 24899320 | C-29 | 35225093 | B-17 | 35279942 | B-36 |
| 23229941 | C-25 | 24899346 | C-4  | 35227909 | B-29 | 35279959 | B-21 |
| 23229958 | C-9  | 24899452 | C-16 |          | B-34 |          | B-28 |
| 23229966 | C-9  | 24899460 | C-21 |          | B-57 | 35282292 | B-26 |
| 23229974 | C-9  | 24899478 | C-4  | 35228170 | D-22 | 35282565 | B-9  |
| 23229982 | C-17 | 24899510 | C-5  |          | D-24 | 35283134 | D-10 |
| 23229990 | C-30 | 24899528 | C-25 | 35252493 | B-29 | 35283464 | D-7  |
| 23230014 | C-9  | 24899536 | C-17 | 35252600 | D-35 |          | D-28 |
| 23230022 | C-9  | 24899601 | C-19 | 35252618 | D-12 | 35283472 | D-29 |
| 23230030 | C-25 | 24899882 | C-25 |          | D-14 | 35285162 | B-16 |
| 23230048 | C-25 | 24899932 | C-16 | 35252758 | D-12 |          | D-29 |
| 23230055 | C-16 |          | C-30 |          | D-14 | 35285543 | B-38 |
| 23230063 | C-30 | 30346662 | B-25 | 35253038 | B-46 | 35286491 | B-20 |
| 23230071 | C-9  | 30671242 | D-20 |          | D-3  |          | B-58 |
| 23230089 | C-23 | 35060631 | B-26 |          | D-35 | 35287747 | D-9  |
| 23230097 | C-25 |          | B-28 | 35255025 | D-25 | 35287895 | D-10 |
| 23230105 | C-25 | 35097914 | D-22 | 35255827 | B-22 | 35287945 | B-21 |
| 23230113 | C-9  |          | D-24 | 35256252 | D-25 |          | B-58 |
| 23230121 | C-9  | 35104108 | B-25 | 35256429 | B-64 | 35288422 | B-30 |
| 23230139 | C-9  | 35108372 | B-22 | 35256445 | B-64 | 35289057 | B-28 |
| 23230147 | C-9  | 35114545 | B-52 | 35256452 | B-62 | 35290113 | D-39 |
| 23230154 | C-9  |          | B-54 | 35258789 | B-43 | 35290378 | D-10 |
| 23230162 | C-2  |          | D-3  | 35260371 | B-30 | 35292051 | B-59 |
|          | C-9  |          | D-5  |          | B-59 | 35292069 | B-30 |
| 23230170 | C-9  |          | D-31 | 35262690 | B-25 |          | B-59 |
| 23230188 | C-3  | 35116433 | D-35 | 35262716 | B-22 | 35292143 | B-34 |
| 23230196 | C-2  | 35117472 | D-3  | 35270131 | B-24 | 35292333 | B-13 |
| 23230204 | C-28 |          | D-5  | 35271162 | B-27 | 35293067 | B-13 |
| 23230212 | C-3  |          | D-8  |          | D-3  | 35293687 | D-3  |
| 23230220 | C-25 | 35119379 | D-10 | 35271170 | B-33 |          | D-5  |
| 23230238 | C-25 | 35120005 | D-13 | 35278555 | B-28 |          | D-31 |
| 23230253 | C-27 |          | D-14 | 35278571 | B-21 | 35294750 | D-10 |
| 23230261 | C-27 | 35126325 | D-35 |          | D-9  | 35296342 | B-16 |
| 23230279 | C-9  | 35126358 | D-35 |          | D-16 |          | B-33 |
| 23230329 | C-9  | 35130855 | D-7  |          | D-17 | 35296409 | D-3  |
| 23236912 | C-3  |          | D-26 | 35278589 | B-28 |          | D-5  |
| 23236920 | C-12 | 35131457 | D-39 | 35279025 | B-13 |          | D-30 |
| 23236938 | C-3  | 35131465 | D-39 |          | B-29 | 35296748 | D-21 |
| 23236946 | C-30 | 35131481 | D-39 |          | B-39 |          | D-23 |
| 23236953 | C-9  | 35131499 | D-39 |          | B-41 | 35300771 | B-47 |
| 23236961 | C-19 | 35134477 | D-35 |          | B-47 |          | D-35 |
| 24898801 | C-3  | 35134550 | B-43 |          | B-62 | 35302314 | B-55 |
|          | C-9  | 35140409 | B-15 |          | D-3  | 35305481 | D-10 |
| 24898843 | C-13 | 35142116 | D-3  |          | D-5  | 35305622 | B-21 |
| 24898876 | C-11 |          | D-5  |          | D-7  |          | B-57 |
| 24898884 | C-14 |          | D-8  |          | D-8  | 35306661 | D-7  |
| 24898918 | C-2  | 35153972 | D-21 |          | D-19 |          | D-28 |
| 24898926 | C-9  |          | D-23 |          | D-26 | 35307206 | B-30 |
|          | C-14 | 35209048 | B-37 |          | D-30 |          | B-59 |
| 24898934 | C-7  | 35221639 | B-16 | 35279827 | B-21 | 35310622 | B-38 |
| 24899056 | C-12 | 35221894 | D-20 |          | B-58 | 35313535 | B-24 |
| 24899080 | C-25 | 35221902 | D-20 | 35279843 | B-21 | 35313568 | B-23 |
| 24899106 | C-25 | 35221910 | D-21 |          | B-58 | 35313600 | B-25 |
| 24899171 | C-2  |          | D-23 |          |      | 35313618 | B-25 |

# NUMERICAL INDEX

| COMM.NO. | PAGE | COMM.NO. | PAGE | COMM.NO. | PAGE | COMM.NO. | PAGE |
|----------|------|----------|------|----------|------|----------|------|
| 35314939 | B-39 | 35323542 | B-26 | 35367051 | B-46 | 35379387 | B-7  |
| 35315126 | B-6  | 35323799 | D-9  |          | B-47 |          | D-33 |
|          | D-33 | 35324987 | D-10 |          | B-51 | 35379395 | B-6  |
| 35315209 | B-6  | 35326602 | B-22 |          | D-10 |          | D-33 |
|          | D-33 | 35326958 | B-7  | 35367218 | D-16 | 35379700 | D-3  |
| 35315217 | B-6  |          | D-33 |          | D-17 |          | D-7  |
|          | D-33 | 35326966 | B-7  |          | D-37 |          | D-8  |
| 35315241 | B-6  |          | D-33 | 35369339 | B-33 |          | D-28 |
|          | D-33 | 35327212 | B-10 | 35369347 | B-33 | 35380724 | B-18 |
| 35315258 | B-7  |          | B-19 |          | B-53 | 35380732 | B-18 |
|          | D-33 | 35327543 | B-22 |          | B-55 | 35380740 | B-18 |
| 35315274 | B-7  | 35327550 | B-22 |          | D-3  | 35380757 | B-18 |
|          | D-33 | 35327626 | B-22 |          | D-5  | 35384577 | B-33 |
| 35315340 | B-7  | 35328475 | B-23 |          | D-7  | 35387919 | D-11 |
|          | D-33 | 35329192 | B-23 |          | D-28 | 35390012 | B-7  |
| 35315357 | B-7  | 35332915 | B-24 |          | D-31 |          | D-33 |
|          | D-33 | 35336304 | B-23 | 35369354 | B-53 | 35390459 | B-6  |
| 35315365 | B-7  | 35337328 | B-62 |          | B-55 | 35390814 | B-7  |
|          | D-33 |          | B-64 |          | D-3  | 35390822 | B-7  |
| 35315373 | B-7  | 35354448 | B-25 |          | D-11 | 35390830 | B-8  |
|          | D-33 | 35356484 | B-33 |          | D-31 | 35390848 | B-8  |
| 35315407 | B-30 |          | B-52 | 35369396 | D-7  | 35390913 | B-8  |
|          | B-56 |          | B-54 |          | D-28 | 35391002 | B-8  |
| 35315944 | B-46 |          | D-3  | 35369446 | B-41 | 35391010 | B-8  |
|          | B-51 |          | D-5  | 35369503 | B-52 | 35391069 | B-8  |
| 35316587 | B-26 |          | D-7  |          | D-7  | 35393677 | B-40 |
| 35316868 | B-6  |          | D-8  |          | D-28 | 35393719 | B-40 |
|          | D-33 |          | D-11 | 35370055 | D-35 | 35393727 | B-8  |
| 35316876 | B-6  |          | D-28 | 35370386 | B-45 | 35518497 | B-24 |
|          | D-33 |          | D-31 |          | D-7  | 35575570 | B-20 |
| 35316884 | B-6  | 35360734 | B-6  |          | D-16 | 35576115 | B-37 |
|          | D-33 |          | D-33 |          | D-29 | 35578194 | B-43 |
| 35317197 | B-27 | 35360775 | B-16 | 35372432 | B-5  | 35579630 | B-36 |
| 35317205 | B-27 | 35361849 | B-33 |          | D-12 | 35583582 | B-43 |
| 35317213 | B-28 | 35361898 | B-7  |          | D-13 | 35587088 | B-43 |
| 35317239 | B-27 |          | D-33 |          | D-14 | 35588193 | B-27 |
| 35318005 | B-27 | 35363498 | B-33 | 35372457 | D-16 | 35588300 | B-28 |
| 35318013 | B-27 | 35364397 | D-22 |          | D-17 | 35588318 | B-26 |
| 35318229 | B-19 |          | D-24 |          | D-37 | 35589589 | B-26 |
| 35318757 | B-9  | 35364769 | B-25 | 35374073 | B-39 | 35589621 | B-19 |
| 35318823 | D-33 | 35365774 | D-10 | 35375385 | B-20 | 35589746 | D-35 |
| 35318831 | B-6  | 35366319 | D-39 | 35375591 | B-19 | 35591122 | B-28 |
|          | D-33 | 35366327 | D-39 | 35375807 | B-41 | 35593490 | B-23 |
| 35318849 | B-6  | 35366335 | D-39 | 35376094 | B-5  | 35600261 | B-64 |
|          | D-33 | 35366343 | D-39 |          | D-39 | 35605187 | B-5  |
| 35318914 | B-28 | 35366368 | D-39 | 35376110 | D-10 | 35607829 | B-63 |
| 35321421 | B-19 | 35366376 | D-39 | 35376169 | B-49 | 35607837 | B-63 |
| 35321595 | B-27 | 35366418 | D-39 | 35377621 | B-26 | 35609361 | B-24 |
| 35321603 | B-27 | 35366426 | D-39 | 35378223 | D-27 | 35609544 | B-5  |
| 35322379 | B-55 | 35366434 | D-39 | 35378231 | D-3  |          | D-12 |
|          | D-3  | 35366442 | D-39 |          | D-27 |          | D-13 |
|          | D-5  | 35366459 | D-39 | 35378264 | D-27 |          | D-14 |
|          | D-31 | 35366467 | D-39 | 35379064 | D-3  | 35610377 | B-5  |
| 35322395 | B-33 | 35366475 | D-39 |          | D-5  | 35612126 | B-38 |
| 35322767 | B-27 | 35367044 | B-47 |          | D-31 | 35612746 | D-39 |
| 35323450 | B-26 |          |      |          |      | 35797877 | B-13 |

# NUMERICAL INDEX

| COMM.NO. | PAGE | COMM.NO. | PAGE | COMM.NO. | PAGE | COMM.NO. | PAGE |
|----------|------|----------|------|----------|------|----------|------|
| 35833227 | B-28 | 36114072 | C-6  | 36762706 | D-20 | 36846095 | B-20 |
| 35834779 | B-19 |          | C-10 | 36764785 | B-23 |          | B-58 |
| 35836949 | B-27 | 36114080 | C-7  | 36764827 | B-23 | 36846103 | B-20 |
| 35843168 | B-26 |          | C-19 | 36765188 | D-20 |          | B-58 |
| 35855238 | D-21 |          | C-22 | 36765196 | D-20 | 36846111 | B-20 |
|          | D-23 | 36114098 | C-22 | 36765212 | D-20 |          | B-58 |
| 36008241 | B-24 |          | C-25 | 36766731 | B-52 | 36846129 | B-20 |
| 36019932 | C-7  | 36114106 | C-7  | 36766756 | B-55 |          | B-58 |
| 36073864 | B-5  |          | C-19 |          | D-3  | 36846152 | B-21 |
| 36084168 | B-20 | 36114445 | C-16 |          | D-5  |          | B-57 |
| 36084184 | B-20 |          | C-30 |          | D-31 | 36846780 | D-35 |
| 36100154 | C-6  | 36114486 | C-11 | 36769404 | B-25 | 36847838 | D-16 |
| 36100188 | C-14 | 36114536 | C-16 | 36769560 | B-17 |          | D-36 |
|          | C-15 |          | C-30 | 36772028 | B-63 | 36847952 | D-11 |
|          | C-19 | 36114544 | C-30 | 36777399 | D-9  | 36853265 | B-43 |
|          | C-25 | 36115251 | C-22 | 36782019 | B-31 | 36853521 | B-39 |
| 36100261 | C-7  | 36115525 | C-7  | 36783488 | B-43 |          | B-48 |
| 36101962 | C-25 | 36116242 | C-25 | 36785012 | B-35 | 36860005 | B-43 |
| 36102838 | C-11 | 36116648 | C-16 | 36786820 | D-3  | 36866986 | D-39 |
| 36102929 | C-2  | 36117463 | C-10 |          | D-5  | 36866994 | D-39 |
| 36103182 | C-27 | 36117885 | C-27 |          | D-31 | 36869337 | B-13 |
| 36103232 | C-15 | 36118131 | C-22 | 36787968 | B-47 | 36870608 | D-16 |
| 36103828 | C-11 | 36118149 | C-3  | 36788081 | B-47 |          | D-17 |
| 36104602 | C-3  |          | C-22 | 36788172 | B-31 |          | D-37 |
| 36105062 | C-2  | 36118693 | C-22 | 36788982 | B-67 | 36876621 | B-5  |
| 36105245 | C-19 | 36118750 | C-25 | 36792083 | B-48 |          | D-12 |
| 36106060 | C-10 | 36119808 | C-25 | 36793602 | B-64 | 36876779 | B-31 |
|          | C-19 |          | C-27 | 36794345 | D-39 | 36877587 | B-44 |
| 36106102 | C-17 | 36124899 | C-20 | 36794816 | B-64 | 36877793 | D-39 |
| 36106177 | C-10 | 36126001 | C-25 | 36795219 | B-39 | 36878064 | B-43 |
| 36106201 | C-7  | 36126019 | C-22 | 36795482 | B-21 | 36879195 | B-16 |
| 36106250 | C-19 |          | C-25 |          | B-58 |          | D-21 |
| 36106516 | C-22 | 36126050 | C-25 | 36795680 | B-38 |          | D-23 |
| 36106607 | C-22 | 36128916 | C-6  | 36797652 | B-15 |          | D-26 |
| 36106748 | C-27 |          | C-10 |          | B-39 | 36879203 | D-39 |
| 36106755 | C-27 |          | C-23 |          | B-43 | 36879211 | B-5  |
| 36106763 | C-2  |          | C-25 |          | B-46 |          | D-12 |
| 36106771 | C-2  | 36129575 | C-25 |          | B-47 |          | D-13 |
| 36106821 | C-25 | 36133403 | C-19 |          | B-62 |          | D-14 |
| 36107480 | C-11 |          | C-22 |          | B-64 | 36879302 | B-5  |
| 36107787 | C-20 | 36136125 | C-19 |          | D-7  |          | D-9  |
| 36107910 | C-10 | 36136869 | C-12 |          | D-19 |          | D-12 |
| 36108009 | C-4  | 36137461 | C-6  |          | D-29 |          | D-13 |
| 36108066 | C-15 | 36137586 | C-25 | 36798346 | B-21 |          | D-14 |
| 36108074 | C-15 | 36138006 | C-9  |          | B-23 | 36879492 | B-15 |
| 36108371 | C-17 | 36500832 | B-25 | 36840411 | B-56 |          | B-21 |
| 36108561 | C-10 | 36503134 | D-35 | 36840841 | B-49 | 36880599 | B-5  |
| 36108579 | C-4  | 36509073 | D-39 |          | B-52 | 36880995 | D-21 |
| 36108595 | C-3  | 36531176 | B-67 | 36844975 | B-43 |          | D-23 |
| 36108819 | C-5  | 36541602 | B-67 |          | B-48 |          | D-26 |
| 36110054 | C-27 | 36718427 | B-28 |          | B-51 | 36881175 | B-13 |
| 36110112 | C-14 | 36723641 | B-23 | 36845154 | B-20 | 36881191 | D-13 |
| 36110385 | C-2  | 36755460 | D-22 |          | B-59 |          | D-14 |
| 36111425 | C-19 |          | D-24 | 36846087 | B-21 |          | D-21 |
| 36111912 | C-25 | 36757284 | B-5  |          | B-58 |          | D-23 |
| 36114015 | C-4  |          | D-13 |          |      |          |      |

# NUMERICAL INDEX

| COMM.NO. | PAGE | COMM.NO.   | PAGE | COMM.NO. | PAGE | COMM.NO. | PAGE |
|----------|------|------------|------|----------|------|----------|------|
| 36881886 | B-13 | 36896892   | B-53 | 54568779 | B-65 | 54731427 | B-33 |
|          | B-29 |            | D-11 |          | B-67 |          | B-49 |
|          | B-62 | 36897346   | B-30 | 54568787 | B-67 | 54731435 | B-35 |
|          | B-64 |            | B-59 | 54568795 | B-65 | 54731443 | B-35 |
|          | D-3  | 36897437   | B-30 | 54568803 | B-67 | 54737622 | B-62 |
| 36882017 | D-12 | 36897668   | B-39 | 54604921 | B-67 | 54742028 | D-39 |
| 36882181 | D-22 | 36898922   | B-20 | 54604962 | B-65 | 54743232 | D-19 |
|          | D-24 |            | B-35 | 54604970 | B-65 | 54743240 | D-19 |
| 36882355 | D-9  |            | B-49 | 54625207 | B-67 | 54743257 | D-19 |
| 36882470 | D-14 | 36899615   | D-7  | 54625322 | B-5  | 54743265 | B-44 |
| 36882728 | D-3  |            | D-29 |          | D-35 | 54743273 | D-19 |
|          | D-26 | 36920114   | C-14 | 54629902 | B-67 | 54746516 | B-61 |
| 36882884 | D-3  | 36920486   | B-45 | 54629977 | D-10 | 54749056 | B-10 |
|          | D-26 | 36920825   | B-49 | 54629993 | B-64 | 54749163 | B-67 |
| 36882983 | D-26 |            | B-52 | 54633938 | B-33 | 54749601 | B-44 |
| 36882991 | D-26 | 36921500   | D-7  | 54639174 | B-64 |          | D-16 |
| 36883015 | D-27 |            | D-26 | 54640016 | B-67 |          | D-17 |
| 36883023 | D-27 | 37001252   | B-46 | 54642905 | B-64 |          | D-18 |
| 36883049 | D-27 |            | B-47 | 54660024 | B-65 | 54750633 | B-48 |
| 36883056 | D-27 | 37140365   | D-13 | 54660089 | B-33 | 54750997 | B-6  |
| 36883080 | D-27 |            | D-14 | 54660162 | D-3  |          | D-33 |
| 36883098 | D-3  | 39127287   | D-7  |          | D-5  | 54756507 | B-10 |
|          | D-27 |            | D-16 |          | D-30 | 54756515 | D-19 |
| 36883106 | D-27 |            | D-17 | 54661889 | B-39 | 54756523 | D-19 |
| 36883114 | D-27 | 39179072   | B-5  | 54671135 | D-3  | 54756697 | B-11 |
| 36883155 | D-3  | 39435441   | B-25 |          | D-5  | 54756739 | B-10 |
|          | D-5  | 39437595   | B-25 |          | D-31 | 54759691 | D-3  |
|          | D-26 | 39437629   | B-24 | 54671557 | B-46 |          | D-5  |
|          | D-30 | 39437637   | B-22 |          | B-51 |          | D-30 |
| 36883270 | D-3  | 39495148   | D-7  | 54674916 | B-61 | 54760483 | B-64 |
|          | D-27 | 39703921   | B-24 | 54674957 | B-61 | 54761101 | B-46 |
| 36883395 | D-9  | 39748942   | B-24 | 54674973 | B-61 |          | B-51 |
| 36884948 | B-16 | 43208511   | B-19 | 54675020 | B-61 | 54761622 | D-3  |
| 36885093 | D-9  | 46499976   | B-13 | 54675046 | B-61 |          | D-5  |
| 36888055 | B-11 | 46499984   | B-13 | 54675053 | B-61 |          | D-30 |
|          | B-34 | 46543716SA | B-15 | 54675061 | B-61 | 54761630 | D-7  |
|          | D-9  | 46544896GA | B-62 | 54675079 | B-61 |          | D-8  |
| 36889608 | B-13 | 46546214   | B-61 | 54675863 | B-33 | 54761648 | B-38 |
| 36891216 | B-45 | 46546339   | B-47 | 54686167 | B-62 | 54762125 | D-29 |
|          | D-7  |            | B-51 | 54686209 | B-62 | 54765946 | B-49 |
|          | D-16 | 46548129   | B-5  | 54688015 | B-34 |          | B-53 |
|          | D-29 | 46551912   | B-35 | 54688254 | B-62 | 54770490 | B-61 |
| 36892669 | B-52 | 46554147   | B-46 | 54692751 | B-62 | 54770524 | B-61 |
| 36893634 | B-46 |            | B-47 | 54692967 | B-40 | 85470003 | C-4  |
|          | B-47 |            | B-51 | 54692975 | B-40 | 85470359 | C-11 |
|          | D-10 | 54443577   | B-5  | 54694823 | B-62 |          | C-16 |
| 36895746 | B-15 |            | D-12 | 54694831 | B-64 |          | C-25 |
| 36895803 | B-8  |            | D-13 | 54697495 | B-64 | 85470417 | C-3  |
| 36895811 | B-8  |            | D-14 | 54698675 | B-37 |          | C-19 |
| 36895829 | B-8  | 54454756   | B-65 | 54717145 | B-40 | 85470425 | C-7  |
| 36895837 | B-8  |            | B-67 | 54717152 | B-40 | 85470466 | C-22 |
| 36895860 | B-46 | 54475777   | B-41 | 54718184 | B-64 | 85470474 | C-6  |
|          | B-47 |            | B-49 | 54720727 | B-33 |          | C-10 |
|          | B-51 | 54568753   | B-65 | 54721170 | B-33 | 85470508 | C-7  |
| 36895977 | B-33 | 54568761   | B-67 | 54721337 | B-56 | 85470573 | C-27 |
|          |      |            |      | 54724117 | B-47 |          |      |

# NUMERICAL INDEX

| COMM.NO. | PAGE | COMM.NO. | PAGE | COMM.NO. | PAGE | COMM.NO. | PAGE |
|----------|------|----------|------|----------|------|----------|------|
| 85470615 | C-27 | 95279139 | D-8  | 95928867 | D-35 | 95972188 | B-63 |
|          | C-29 | 95279410 | B-35 | 95930301 | B-54 | 95973228 | B-56 |
| 85470623 | C-7  | 95279477 | B-37 |          | D-28 | 95992632 | B-29 |
|          | C-19 |          | D-3  | 95934584 | D-20 |          | B-34 |
|          | C-22 |          | D-5  | 95934683 | B-34 |          | B-57 |
| 85470631 | C-9  |          | D-30 | 95934774 | D-7  | 95992848 | B-29 |
|          | C-19 | 95280087 | D-21 |          | D-29 | 96701396 | B-10 |
|          | C-23 |          | D-23 | 95934899 | D-3  | 96701503 | B-10 |
| 85470649 | C-7  | 95280541 | B-33 | 95934907 | B-5  |          | B-19 |
|          | C-19 | 95357976 | B-34 | 95934998 | B-15 | 96701750 | B-5  |
|          | C-29 | 95358024 | B-23 |          | B-43 |          | B-26 |
| 85471092 | C-3  | 95358131 | B-25 |          | D-35 |          | D-39 |
| 85471142 | C-19 | 95358297 | D-20 | 95935003 | B-43 | 96701917 | B-21 |
| 85471167 | C-19 | 95364469 | B-55 | 95935029 | B-63 | 96702055 | B-15 |
| 85471183 | C-19 | 95365094 | B-30 | 95935037 | B-30 | 96702279 | B-16 |
| 85471597 | C-22 |          | B-56 | 95935052 | B-11 |          | D-3  |
| 85471811 | C-29 | 95381109 | B-24 |          | B-19 |          | D-5  |
| 85471829 | C-25 | 95402806 | B-20 | 95935599 | B-45 |          | D-30 |
| 85472017 | C-6  |          | B-57 |          | D-7  | 96702287 | B-27 |
| 85472280 | C-11 | 95431292 | D-3  |          | D-16 | 96702295 | B-23 |
| 85472587 | C-6  |          | D-5  | 95937413 | D-20 | 96702311 | B-43 |
| 85473502 | C-9  |          | D-30 | 95937686 | D-7  | 96702659 | B-31 |
|          | C-19 | 95487773 | D-3  | 95938171 | B-29 |          | D-35 |
| 85473676 | C-27 |          | D-5  |          | B-56 | 96702816 | B-26 |
| 85473700 | C-11 |          | D-31 | 95938205 | B-25 |          | B-39 |
| 85473973 | C-22 | 95494167 | B-25 | 95940748 | B-33 | 96703962 | D-12 |
| 85473999 | B-48 | 95667341 | D-11 |          | B-54 |          | D-13 |
|          | C-6  | 95670535 | D-16 | 95943668 | D-35 |          | D-14 |
| 85474054 | C-27 |          | D-17 | 95944575 | B-54 | 96704036 | B-23 |
| 92368687 | B-16 | 95741088 | B-38 |          | D-3  | 96704309 | D-35 |
|          | B-46 | 95773032 | B-54 |          | D-5  | 96704630 | B-11 |
|          | B-63 | 95916110 | D-11 |          | D-31 |          | B-19 |
|          | D-21 | 95916151 | B-63 | 95944666 | B-56 | 96712187 | B-25 |
|          | D-23 | 95916532 | B-33 |          | D-11 | 96716162 | B-22 |
| 92877620 | B-56 | 95923298 | B-43 | 95944732 | B-34 |          | B-24 |
| 92972140 | D-9  |          | B-63 | 95947149 | D-9  | 96719810 | B-34 |
| 95022307 | B-31 | 95928024 | B-37 |          | D-22 | 96726435 | B-10 |
| 95031522 | D-21 | 95928032 | D-5  |          | D-24 | 96735543 | D-35 |
|          | D-24 |          | D-26 | 95949491 | B-21 | 96735550 | D-35 |
| 95038634 | D-29 | 95928040 | B-35 | 95949749 | D-3  | 96746334 | D-29 |
| 95072971 | D-20 |          | B-37 |          | D-8  | 96747399 | B-5  |
| 95078549 | B-22 |          | B-53 | 95952248 | B-35 | 96757557 | B-35 |
| 95183158 | D-11 |          | D-9  | 95953493 | D-28 |          |      |
| 95208682 | B-37 |          | D-20 | 95953600 | D-25 |          |      |
|          | D-3  | 95928172 | B-37 | 95953758 | B-38 |          |      |
|          | D-5  |          | B-53 | 95954194 | D-28 |          |      |
|          | D-31 |          | D-22 | 95954210 | B-35 |          |      |
| 95219861 | D-22 |          | D-24 | 95954293 | B-54 |          |      |
|          | D-24 | 95928198 | D-22 | 95954913 | B-30 |          |      |
| 95220604 | B-19 |          | D-24 |          | B-59 |          |      |
| 95220844 | D-10 | 95928222 | D-20 | 95954921 | B-30 |          |      |
| 95223178 | B-24 | 95928230 | B-38 |          | B-59 |          |      |
| 95223194 | B-24 |          | B-53 | 95955993 | B-29 |          |      |
| 95223806 | B-24 | 95928248 | D-22 |          | B-56 |          |      |
| 95239927 | B-24 | 95928321 | D-21 |          | B-57 |          |      |
| 95242996 | B-37 |          | D-23 | 95956199 | D-16 |          |      |

## WORD INDEX

### Symbols

\* Part of Option Assembly . . . . . D-39

### CPN

0-Ring . . . . . D-20  
2" BALL COUPLER OPTION . . . . . D-39

### A

#### Adapter

1.5" NPT to 1.88"-12 UNF . . . . . D-5  
1.5" NPT to 1.88-12 UNF . . . . . D-3, D-26, D-30  
1.50" NPT X 1.50" . . . . . B-37  
1/4-18 NPT X 11/16-16 . . . . . C-27  
1/8" BSPT to 1/8" NPT . . . . . D-29  
3/4-16 SAE X 3/8" NPT . . . . . D-16, D-17  
7/16-20 X -6JIC . . . . . B-20, B-57  
9/16"-18 to 1/4" NPT . . . . . D-5  
9/16-18 to 1/4" NPT . . . . . D-3, D-31  
9/16-18 X 1/4" NPT . . . . . B-55  
90° Female 7/8-14 X 1/4" NPT . . . . . B-54  
Barbed 1/8 X 1/8 NPT . . . . . B-26  
Female . . . . . B-38  
Oil Scavenge . . . . . B-56  
Swivel 1.50" NPT X 1.88"-12 UNF . . . . . D-5  
Swivel 1.50" NPT X 1.88-12 UNF . . . . . D-3, D-31  
Unloader . . . . . B-26

Adapter w/ O-Ring . . . . . C-25

Aftercooler . . . . . D-3, D-5, D-30

Air Cleaner Assembly . . . . . B-39

Airend Assembly . . . . . B-20

Alternator . . . . . B-48, C-14

Alternator (Remanufactured) . . . . . C-14

#### Assembly

Brake Cable 108" . . . . . D-35  
Brake Cable 78" . . . . . D-35

### B

#### Baffle

CRBSD Cooler . . . . . B-15  
Front Aftercooler . . . . . B-63, D-3, D-5, D-30  
STSD Cooler . . . . . B-15  
Top . . . . . B-15

#### Ball

Retard . . . . . D-20

Battery . . . . . B-51

12V . . . . . B-43, B-48

#### Beam

Axle . . . . . B-6, D-33

#### Bearing

Ball . . . . . B-22  
Cylindrical Roller . . . . . B-23, B-24  
Hose Reel . . . . . D-20  
Tapered Roller . . . . . B-25

#### Binder

3-Ring . . . . . B-67

#### Body

Air Cleaner . . . . . B-40  
Minimum Pressure Valve . . . . . B-18  
Unloader . . . . . B-28

#### Bolt

Axle \* . . . . . D-39  
Hex M16-2.0 X 50 . . . . . B-5  
Keeper . . . . . B-7, D-33  
Shackle . . . . . B-7, D-33

Bolt \* . . . . . D-39

#### Bottle

Coolant Recovery . . . . . B-16

#### Bowl

Sediment . . . . . C-30

#### Bracket

Aftercooler Mounting . . . . . D-3, D-5, D-30  
Alternator Mounting . . . . . C-15  
Battery Mounting . . . . . B-43  
Brake Lever . . . . . D-35  
Central Drains . . . . . D-9  
Channel Mounting . . . . . D-21, D-23  
Dual Regulation . . . . . D-11  
ECU Mounting . . . . . C-3  
Filter Mounting . . . . . D-3, D-7, D-8, D-26  
Frame \* . . . . . D-39  
Front Intake . . . . . B-62  
Fuel Filter . . . . . C-16  
Fuel Rail . . . . . C-9  
Hose Reel Lock . . . . . D-21, D-23  
IQ Filter Support . . . . . D-7, D-8  
Separator Tank Lift . . . . . B-35  
Start / Run Valve . . . . . B-52  
Wedge Mounting . . . . . B-41

#### Brake Assembly

LH Electric . . . . . B-7  
RH Electric . . . . . B-7

Brakeaway Switch . . . . . B-51

Bulkhead Fitting . . . . . D-9

#### Bushing

Alternator Pivot . . . . . C-15  
Clutch . . . . . B-19  
Crankshaft Pulley . . . . . C-21  
Housing . . . . . B-27  
Nitrile . . . . . B-33  
Piston . . . . . B-27  
Reducing 1/2" NPT X 3/8" NPT . . . . . B-35  
Reducing 1/4" NPT X 1/8" NPT . . . . . B-54, D-28  
Reducing 3/8" NPT X 1/4" NPT . . . . . B-33, B-54

### C

#### Cable

Jumper . . . . . B-43  
Negative Battery . . . . . B-43  
Positive Battery . . . . . B-43

## WORD INDEX

|                                 |                       |                                    |                                                |
|---------------------------------|-----------------------|------------------------------------|------------------------------------------------|
| Cap .....                       | B-18                  | Connector                          |                                                |
| Filter Housing 1st Stage .....  | D-27                  | 1.31-12 SAE to 1.31-12 Tube ..     | B-29, B-56, B-57                               |
| Filter Housing 2ND Stage .....  | D-27                  | 1.62-12 X -16JIC .....             | B-30, B-59                                     |
| Fuel .....                      | B-33                  | 1.88"-12 X -24 JIC .....           | D-5                                            |
| Grease Dust .....               | B-6, D-33             | 1.88-12 X -24 JIC .....            | D-3, D-30                                      |
| Guide .....                     | B-23                  | 1/4" NPT to -8 JIC Swivel .....    | D-10                                           |
| Hose Lock .....                 | D-21, D-23            | 1/4" NPT X -4 JIC Swivel .....     | D-29                                           |
| Oil Filler .....                | C-3                   | 3/4 O-Ring X -10JIC .....          | B-20, B-58                                     |
| Plug .....                      | B-40                  | 9/16-18 to -8 JIC .....            | D-10                                           |
| Radiator .....                  | B-17                  | Female 1/4" NPTF X 3/8" Tube ..... | B-33                                           |
| Rain .....                      | B-13                  | Flexible .....                     | B-17                                           |
| Water Separator .....           | D-3, D-27             | 1/8" NPT X 3/8" Tube .....         | D-3, D-7, D-8, D-28                            |
| Case                            |                       | Male 1/4" NPTF X 3/8" Tube ..      | B-33, B-53, B-55,<br>D-3, D-5, D-7, D-28, D-31 |
| Gear .....                      | B-23                  | Control Unit                       |                                                |
| Caster Wheel Assembly .....     | D-39                  | Engine (ECU) .....                 | C-9                                            |
| CASTER WHEEL OPTION .....       | D-39                  | Cooler                             |                                                |
| Caution                         |                       | Charge Air .....                   | B-17                                           |
| NO Weld .....                   | B-65, B-67            | Oil .....                          | C-22                                           |
| Chain Assembly .....            | B-5, D-12, D-13, D-14 | Coupler Assembly                   |                                                |
| Channel                         |                       | 2" Ball .....                      | D-39                                           |
| Adjustable Height .....         | D-12, D-14            | Coupling                           |                                                |
| Hose Reel .....                 | D-22, D-24            | 1/8" NPT X .75" .....              | D-7                                            |
| Pintel Eye .....                | D-13                  | 1/8" NPT X 3/4" .....              | B-45, D-16, D-29                               |
| Pintel Mtg 3-Position .....     | B-5                   | Clutch .....                       | B-19                                           |
| Clamp                           |                       | Cover                              |                                                |
| #4 Spacer (2 per package) ..... | D-7, D-8              | Air Cleaner .....                  | B-40                                           |
| #4 w/ O-Ring .....              | D-7                   | Bearing .....                      | D-20                                           |
| 1/2" Rubber Support .....       | B-17, D-10            | Oil Filler Port .....              | C-3                                            |
| 3/8" .....                      | B-46                  | Oil Seal .....                     | B-23                                           |
| 3/8" Rubber Support .....       | D-3                   | OTBV .....                         | B-31                                           |
| 5/8" Support .....              | B-46, B-47            | Piston .....                       | B-27                                           |
| Cable .....                     | D-35                  | Rear Bearing .....                 | B-25                                           |
| Exhaust .....                   | B-13                  | Rear Instrument Panel .....        | B-63                                           |
| Exhaust 3.5" Tube .....         | B-13                  | Valve .....                        | C-2                                            |
| Exhaust Seal .....              | B-13                  | Cross                              |                                                |
| Fuel Line .....                 | C-25                  | .25" NPT .....                     | B-54                                           |
| Hose .....                      | B-16, C-27            | Cup                                |                                                |
| Muffler .....                   | B-13                  | Inner Bearing .....                | B-6, D-33                                      |
| Rubber Coated .....             | D-35                  | Outer Bearing .....                | B-6, D-33                                      |
| Saddle .....                    | B-37                  | CV Assembly .....                  | B-18                                           |
| Spring .....                    | B-26                  | Cylinder                           |                                                |
| Spring-Loaded 2.25" .....       | B-17                  | Key Lock .....                     | D-39                                           |
| Spring-Loaded 3" .....          | B-17                  |                                    |                                                |
| Support .....                   | B-46, B-47            | <b>D</b>                           |                                                |
| T-Bolt 3.62" .....              | B-39                  | Danger/Warning                     |                                                |
| T-Bolt 3.88" .....              | B-39                  | 3-Part Combo .....                 | B-67                                           |
| T-Bolt 4.75" .....              | B-39                  |                                    |                                                |
| T-Bolt 5.31" .....              | B-39                  |                                    |                                                |
| Top .....                       | B-13                  |                                    |                                                |
| Worm Gear .....                 | B-16, B-33            |                                    |                                                |
| Worm Gear Hose .....            | D-10                  |                                    |                                                |
| Collar * .....                  | D-39                  |                                    |                                                |
| Conduit                         |                       |                                    |                                                |
| Spiral .....                    | B-46                  |                                    |                                                |
| Cone                            |                       |                                    |                                                |
| Inner Bearing .....             | B-6, D-33             |                                    |                                                |
| Outer Bearing .....             | B-6, D-33             |                                    |                                                |

## WORD INDEX

### Decal

Central Drains .....D-10  
 Diesel Fuel .....B-67  
 Dual Regulation .....D-11  
 EPA Noise .....B-67  
 Genuine Parts .....B-65  
 Oil Fill .....B-65  
 Operating Instructions .....B-67  
 Powertrain Warranty .....B-67  
 Symbol Interpretation .....B-67  
 V.I.N. ....B-67  
 Wedge .....B-41  
 WW Instrument Panel . . .B-44, D-16, D-17, D-18

Deflector .....C-2  
 Diaphragm .....B-27  
 Diaphragm Repair Kit .....D-3, D-5, D-31  
 Diode .....B-49  
 Dipstick .....C-20  
 Door

Control Panel .....B-44  
 Side .....B-64, D-19

DOOR KEY LOCK OPTION .....D-39

Drawbar .....B-5  
 Extended .....D-13, D-14  
 Extended Length .....D-21, D-23  
 Standard .....D-12

### E

#### Elbow

3.5" Tube .....B-13  
 45° 1.50" NPT to -24 JIC .....D-8, D-26  
 45° 1.50" NPT X -24 JIC w/ 1/4" NPT Port . . .D-7  
 45° 2.50-12 SAE .....B-34  
 45° SAE 7/16-20 X -4JIC .....B-21, B-57  
 45° Street 1.25" NPT .....D-21, D-24  
 45° Street 3/4" NPT .....D-22, D-24  
 45° Swivel -16 JIC X 1" Tube .....B-30, B-59  
 45° X 1.31-21 SAE .....B-29, B-34, B-57  
 90° 1.06-12 SAE to -12JIC .....D-10  
 90° 1.5" NPT X 1.88"-12 .....D-8  
 90° 1.5" NPT X 1.88-12 .....D-3  
 90° 1.5" NPT X -24 JIC . . .B-37, D-3, D-5, D-30  
 90° 1.50" NPT X -24 JIC w/ 1/4" NPT Port . . .D-7  
 90° 1.88"-12 X -12 JIC .....D-5  
 90° 1.88-12 X -12 JIC .....D-3  
 90° 1.88-12 X -12JIC .....D-30  
 90° 1/4" NPT X 1/4" NPT .....B-55  
 90° 1/4" NPT X -4 JIC .....D-7, D-28  
 90° 1" NPT X -16 JIC .....B-35  
 90° 3/4" NPT Street .....B-37, B-53  
 90° 9/16-18 X -4 JIC .....B-30, B-56  
 90° Long 1.31-12 SAE .....B-29  
 90° Long -12 O-Ring to -12 JIC .....D-9  
 90° M18-1.5 to 5/8" Hose .....D-9  
 90° Male 1/4" NPT X 3/8 Tube . . .D-3, D-11, D-31  
 90° Male 1/8" NPT X 1/8" NPT . B-45, D-7, D-16,

#### D-29

90° Reducing 1.50" X 1.25" .....B-37  
 90° SAE 3/4-16 X -10JIC .....B-21, B-57  
 90° SAE 7/8-14 X -10JIC .....B-20, B-58  
 90° Street 3/4" NPT .....D-22, D-24  
 90° Swivel 9/16-18 X -6JIC .....B-21, B-58  
 90° Swivel Nut -16 .....B-59  
 90° Tube 1.25" NPT X -20 JIC . . .D-22, D-24  
 90° X 1.31-12 SAE .....B-29, B-56  
 90° X 1/4" NPT X -4 JIC .....D-7  
 Bottom Compression .....B-36  
 Discharge .....B-20  
 Fitting .....C-2  
 M16-2.0 X 11/16-16 .....C-27  
 Male 1/4" NPT X 3/8" Tube .....B-53, B-55  
 Street 1/8" NPT X 45° .....D-16  
 Street 90° 1/4" NPT .....B-56, D-11  
 Top Compression .....B-36

#### Element

125° -145° F .....B-31  
 1ST Stage .....D-27  
 2ND Stage .....D-27  
 Final Fuel Filter .....B-11  
 Fuel Filter .....C-16  
 Oil Filter .....B-11, B-30, B-59, C-29  
 Primary .....B-40  
 Primary Filter .....D-7  
 Primary Fuel Filter .....B-11, C-30  
 Safety .....B-40  
 Secondary Filter .....D-7  
 Separator .....B-34

Engine .....B-10

Exhaust Pipe Assembly .....B-13

#### Expander

7/16-20 X 9/16-18 .....B-21, B-58

#### Eye

Pintel 3" .....B-5  
 Security Lift .....D-39

Eyebolt .....B-63

### F

Fan .....B-10

#### Filter

1st Stage .....D-26  
 2nd Stage .....D-26  
 Primary .....D-7  
 Secondary .....D-7  
 Water Separator .....D-7, D-8

#### Filter Assembly

Final Fuel .....C-16  
 Primary Fuel .....C-30

Filter Head .....C-29

## WORD INDEX

|                                 |       |                        |
|---------------------------------|-------|------------------------|
| Fitting                         |       |                        |
| 1/2-14 NPTF X Hose              | ..... | C-27                   |
| 90° Elbow M10-1.5 X 1/2-24UNS   | ..... | C-25                   |
| 90° Elbow M14-2.0 X 9/16-24UNEF | ..... | C-25                   |
| Hex M10 X 1 X 9/16-24UNEF       | ..... | C-25                   |
| Hose                            | ..... | C-25                   |
| Lube 1/8"                       | ..... | D-20                   |
| Lube*                           | ..... | D-39                   |
| M12-1.75 X Barbed               | ..... | C-25                   |
| Tee                             | ..... | C-25                   |
| Flange                          |       |                        |
| Half                            | ..... | B-34                   |
| Unloader Inlet                  | ..... | B-26                   |
| Flywheel w/ Ring Gear           | ..... | C-5                    |
| Foam                            | ..... | B-15                   |
| Fork                            |       |                        |
| SHAFT *                         | ..... | D-39                   |
| Fork *                          | ..... | D-39                   |
| Frame                           |       |                        |
| WW Instrument Panel             | ...   | B-44, D-16, D-17, D-18 |
| Fuse                            |       |                        |
| 20A                             | ..... | B-48                   |
| 40A                             | ..... | B-48                   |
| <b>G</b>                        |       |                        |
| Gasket                          | ..... | B-20, B-22             |
| Exhaust Manifold                | ..... | C-27                   |
| Front Bearing Housing           | ..... | B-24                   |
| Fuel Sender                     | ..... | B-33                   |
| Intake Manifold / Adapter       | ..... | C-6                    |
| Oil Cooler Adapter              | ..... | C-22                   |
| Oil Cooler Housing              | ..... | C-22                   |
| Oil Filler Port                 | ..... | C-3                    |
| Oil Pan                         | ..... | C-7                    |
| Piston                          | ..... | B-28                   |
| Rear Bearing Housing            | ..... | B-24                   |
| Thermostat Housing              | ..... | C-10                   |
| Turbo / Exhaust                 | ..... | C-27                   |
| Turbo Oil Outlet                | ..... | C-27                   |
| Unloader Inlet                  | ..... | B-26                   |
| Unloader to Aired               | ..... | B-26                   |
| Valve Cover                     | ..... | C-2                    |
| Water By-Pass Tube              | ..... | C-19                   |
| Water Pump                      | ..... | C-19                   |
| WaterR By-Pass Tube             | ..... | C-10                   |
| Gauge                           |       |                        |
| 250 PSI Pressure                | ..... | D-7                    |
| 4-in-1                          | ..... | D-16, D-17, D-37       |
| Fuel Level                      | ..... | B-45, B-50, D-16       |
| Plate                           | ..... | D-7                    |
| Pressure 250 PSI                | ..... | B-45, D-16, D-29       |
| Gear                            |       |                        |
| Ring                            | ..... | C-5                    |
| Gear Set                        | ..... | B-22                   |
| Globe                           |       |                        |
| Valve                           | ..... | D-20                   |
| Grommet                         |       |                        |
| 3/4" ID                         | ..... | B-16, D-29             |
| Screw                           | ..... | B-47                   |
| Side Light                      | ..... | B-46, B-47             |
| Tail Light                      | ..... | B-47                   |
| Grommet. Clearance Light        | ..... | D-10                   |
| Guard                           |       |                        |
| Fan                             | ..... | B-15                   |
| Gear Case                       | ..... | B-21, B-23             |
| <b>H</b>                        |       |                        |
| Handle                          |       |                        |
| Lock Plunger *                  | ..... | D-39                   |
| Hanger                          |       |                        |
| Front                           | ..... | B-7, D-33              |
| Rear                            | ..... | B-7, D-33              |
| Harness                         |       |                        |
| 4-in-1 Gauge Wiring             | ..... | D-37                   |
| AFRI Wiring                     | ..... | D-16, D-36             |
| Chassis                         | ..... | B-49                   |
| Engine                          | ..... | C-28                   |
| Instrument Panel                | ..... | B-50                   |
| Instrument Panel Wiring         | ..... | C-9                    |
| IQ Option                       | ..... | D-7, D-29              |
| Light                           | ..... | B-51                   |
| Lighting                        | ..... | B-46, B-47, B-51       |
| Option Wiring                   | ..... | D-16, D-17, D-37       |
| Tachometer Option               | ..... | D-18                   |
| Wiring                          | ..... | C-14, C-30             |
| Head                            |       |                        |
| Oil Filter                      | ..... | B-30                   |
| Heater                          |       |                        |
| 24V Air Intake                  | ..... | C-6                    |
| Air Intake                      | ..... | B-48                   |
| Hinge                           |       |                        |
| Side Door                       | ..... | B-64                   |
| Spring Control Panel            | ..... | B-44                   |
| Hoise                           | ..... | C-27                   |
| Hold Down                       |       |                        |
| Battery                         | ..... | B-43                   |
| Hose                            |       |                        |
| .5/16" Fuel                     | ..... | B-33                   |
| -12 J IC X 27"                  | ..... | D-9                    |
| -16 JIC X 25"                   | ..... | B-57                   |
| -16 X 25"                       | ..... | B-29, B-34             |
| -24 JIC X 47.0"                 | ..... | D-3                    |
| -24 JIC X 47"                   | ..... | D-5, D-8               |
| -24 JIC X 52.0"                 | ..... | D-26                   |
| -24 JIC X 62"                   | ..... | D-3, D-5, D-8          |
| A/E Air Intake                  | ..... | B-39                   |
| Bottom Radiator                 | ..... | B-16                   |
| Discharge                       | ..... | B-34                   |
| Engine Air Intake               | ..... | B-39                   |
| Top Radiator                    | ..... | B-16                   |

## WORD INDEX

Hose Assembly .....D-7  
     12 JIC X 54" .....D-10  
     -12 X 68" .....D-10  
     -16 JIC X 16.5" .....B-30, B-59  
     -4 JIC X 24" .....B-30, B-56  
     -4 JIC X 94" .....D-7, D-28  
     -8 JIC X 88" .....D-10  
Hose Reel Assembly .....D-22, D-24  
Hourmeter .....B-44, B-50, D-16  
Housing  
     Flywheel .....C-4  
     Front Bearing .....B-24  
     Oil Cooler .....C-22  
     OTBV .....B-31  
     Piston .....B-28  
     Rear Bearing .....B-25  
     Rotor .....B-24  
     Thermostat .....C-10  
     Water Pump Inlet .....C-19  
Hub  
     Studded .....B-6  
     Studded w/ Cups .....D-33

### I

Indicator  
     Differential Pressure .....D-27  
     Pressure Differential .....D-7, D-29  
     Restriction .....B-39  
Injector  
     Electronic Unit .....C-9  
Insert  
     1/4" Tube .....B-36  
Insert Kit  
     Water Pump .....C-19  
Isolator .....C-3  
     Center Bond .....B-11  
     Center Bond Mount .....B-19

### J

Jack  
     Screw .....B-5, D-12, D-13, D-14  
J-Bolt  
     1/4-20 .....B-43

### K

Key .....B-23  
     3/8" SQ X 2.75 .....B-19  
     3/8" Square .....B-24  
Key (replacement) .....D-39

### Kit

Air Filter Maintenance .....D-27  
Drain .....D-3, D-27  
Fuel Filter Drain .....C-16  
Fuel Filter Seal .....C-16, C-30  
Low Pressure Regulator Repair .....D-11  
Oil Cooler Adapter Fitting .....C-22  
O-Ring .....C-16, C-30  
Seal .....C-16, C-30  
Sight Glass .....D-27  
Water Separator .....D-3, D-27  
Wedge Bol .....D-27  
Knob  
     Non-Removable Key .....B-45, D-16

### L

Laminate  
     AFRI Option Wiring Diagram .....D-16  
     Option Wiring Diagram .....D-16, D-17  
     Tachometer Option Wiring Diagram .....D-18  
Laminate Set .....B-67  
Lamp  
     28V .....B-45, D-16, D-18  
     Yellow Clearance .....D-10  
Latch  
     Slam Door .....B-64  
Lever  
     Parking Brake .....B-8, D-35  
Lever Kit  
     LH Actuating .....B-8  
     RH Actuating .....B-8  
License .....B-51  
Light  
     Combo Tail .....B-47  
     License .....B-46, B-47  
     Red Clearance .....B-47  
     Stop/Tail/Turn .....B-46  
     Warning .....B-45, B-50, D-16  
     Yellow Clearance .....B-46, B-47  
Line  
     Fuel .....C-9, C-25  
     Fuel Pump to Fuel Filter .....C-25  
     Oil .....C-27  
     Turbo Oil Inlet .....C-27  
Link  
     Coupling .....B-5  
Lip \* .....D-39  
Lock  
     Coupling .....D-12, D-13, D-14  
     Coupling Hose .....D-21, D-23  
Lubricator  
     1 Quart .....D-25  
     2 Quart .....D-25

### M

Magnet Kit .....B-8

## WORD INDEX

Manifold  
     Air Intake .....C-6  
     Exhaust .....C-27  
     Hose Reel .....D-22, D-24  
     Oil .....B-20, B-59  
 Minimum Pressure Valve Assembly .....B-18  
 Module  
     2-Light Warning .....B-45, B-50, D-16  
 Mount  
     CRBSD Engine .....B-10  
     STSD Engine .....B-10  
 Muffler .....B-13

### N

Neck  
     Oil Filler .....C-3  
 Nipple  
     1.25" X 2" .....D-25  
     1.50" X 2.00" LG .....B-37  
     Closed 1.5" NPT X 1.75" .....D-3, D-5, D-31  
     Closed 1.50" NPT X 1.75" .....D-26  
     Closed 1/4" NPT X 7/8" .. B-54, D-3, D-5, D-11, D-31  
     Closed 1/8" NPT X 3/4" .....D-28  
     Closed 3/4" NPT X 1.38" .. B-35, B-37, B-53, D-9  
     Pipe 1.25 "NPT X 4.5" .....B-38  
 Notice  
     Radiator Fill .....B-65  
     Tow Chains .....B-67  
 Nut  
     #4-40 Plastic .....B-45, D-16  
     Axle Bolt \* .....D-39  
     Hex Flange M08-1.25 ... B-13, B-29, B-62, B-64, C-2, C-3, C-9, D-3  
     Hex Flange M10-1.5 ... B-16, C-14, C-15, C-19, C-25, D-21, D-23, D-26  
     Hex Flange M12-1.25 .....D-39  
     Hex Flange M16-2.0 .....B-5, D-12, D-13, D-14  
     Hex Lock 1/4-20 .....B-43, B-63  
     Hex Lock M06-1.0 .....C-6  
     Hex M05-0.8 .....B-41, C-14  
     Hex M08 .....D-35  
     Hex M10 .....D-35  
     Hex M16-2.0 .....B-5, B-26, D-39  
     Keeper .....B-7, D-33  
     Lock 5/16-18 .....D-35  
     Lock Washer 1/2-13 .....D-12, D-14  
     Loop Handle \* .....D-39  
     Nyloc M16-2.0 .....B-19  
     Nyloc M16 -2.0 .....B-11  
     Spindle .....B-6, D-33  
     TOP LOCK .....D-33  
     Top Lock .....B-7  
     Tube .....C-25  
     Tube 1/2-24UNS .....C-25  
     Tube -12 .....D-10  
     U-Bolt .....B-7, D-33  
     Wheel .....B-7, D-33

Nutsert  
     Hex M08 ..... B-15

### O

O Ring ..... B-28  
 Oil Cooler ..... B-16  
 Orifice  
     Muffler .140 .....B-55, D-3, D-31  
     Muffler .140" ..... D-5  
     Muffler .156 ..... B-52  
 O-Rling  
     47.346 X 1.778 mm ..... C-3  
 O-RING  
     69.52 X 2.616 mm ..... C-4  
 O-Ring ... B-18, B-21, B-23, B-25, B-28, B-31, B-34, B-36  
     10.10 X 1.60 mm ..... C-25  
     11.30 X 2.20 mm ..... C-6, C-10, C-23, C-25  
     13.3 X 2.2 mm ..... C-29  
     13.30 X 2.20 mm ..... C-27  
     15.3 X 2.20 mm ..... C-7, C-19, C-22  
     17.30 X 2.20 mm ..... C-9, C-19, C-23  
     18.72 X 2.616 mm ..... C-2  
     19.3 X 2.2 mm ..... C-29  
     19.30 X 2.20 mm ..... C-7, C-19  
     21.95 X 1.78 mm ..... C-9  
     24.990 X 3.530 mm ..... C-7  
     29.820 X 2.616 mm ..... C-22  
     31.42 X 2.616 mm ..... C-17  
     37.694 X 3.531 mm ..... C-19, C-22  
     58.42 X 2.616 mm ..... C-6  
     7.595 X 2.616 mm ..... C-2  
     8.10 X 1.60 mm ..... C-25  
     9.246 X 1.778 mm ..... C-25, C-27  
     9.3 X 2.2 mm ..... C-22, C-25  
     9.804 X 1.905 mm ..... C-9  
 OTBV Assembly  
     1-5/16" SAE .....B-29, B-59

### P

Pan  
     Oil ..... C-7

## WORD INDEX

|                                |                        |                                  |                 |
|--------------------------------|------------------------|----------------------------------|-----------------|
| Panel                          |                        | Plug                             | B-25            |
| Access Cover                   | B-15                   | 3/4-16 O-RING                    | B-21            |
| Aftercooler Interior Baffle    | D-3, D-5, D-30         | Adjusting SLOT                   | B-8             |
| Front End Cap                  | B-62                   | Drain M16-2.0 X 1.5              | C-29            |
| Front End Cap Acoustic         | B-61                   | Drain M22-2.5 X 1.5              | C-29            |
| Front Roof Acoustic            | B-61                   | Grease Cap                       | B-7, D-33       |
| Instrument                     | B-44, D-16, D-17, D-18 | Hex                              | B-28            |
| Interior Baffle Front Acoustic | B-61                   | Hex 1.06-12 SAE                  | B-33            |
| LH Side                        | B-62, D-19             | Hex 1.62-12"                     | B-36            |
| Louvered Access                | B-64                   | Hex Countersink 1.25"            | D-22            |
| Lower Door Acoustic            | B-61                   | Hex Countersink 1/4" NPT         | B-38            |
| Lower Side                     | B-62, D-19             | Hex Countersink 3/4" NPT         | D-9, D-22, D-24 |
| Lower Side Acoustic            | B-61                   | Hex Countersunk Socket 1/4" NPT  | B-53            |
| Middle Roof Acoustic           | B-61                   | Hex Head                         | B-28            |
| Rear Access                    | B-64                   | Hole 1.50"                       | B-38            |
| Rear Corner Acoustic           | B-61                   | Hole 2.0"                        | B-38            |
| Rear End Cap                   | B-62                   | Pipe 3/4" NPT                    | C-7             |
| Rear Roof Acoustic             | B-61                   | Plug w/ O-Ring                   |                 |
| Rear Side Acoustic             | B-61                   | M12-1.75 X 1.5                   | C-22, C-25      |
| Rear Top Access Acoustic       | B-61                   | M14-2                            | C-6             |
| RH Side                        | B-62, D-19             | M14-2 X 1.5                      | C-10            |
| Small Toolbox                  | B-62                   | M18-2.5 X 1.5                    | C-7, C-19, C-22 |
| Toolbox                        | B-63                   | M20-2.5 X 1.5                    | C-9, C-19       |
| Top Lower Side Acoustic        | B-61                   | M22 -2.5 X 1.5                   | C-7, C-19       |
| Top Rail Acoustic              | B-61                   | Plug w/ Sleeve                   | C-25            |
| Upper Door Acoustic            | B-61                   | Plunger                          |                 |
| Parts Ordering                 | A-1                    | Lock *                           | D-39            |
| Pin                            |                        | Pulley                           | C-19            |
| Clevis .31 X .75               | D-35                   | Crankshaft                       | C-21            |
| Collar *                       | D-39                   | Fan                              | C-11            |
| Cotter .09                     | D-35                   | Idle                             | C-11            |
| Dowel 1/2" X 1.25"             | B-22                   | Pump                             |                 |
| Dowel 1/2" X 1.5"              | B-24                   | Fuel                             | C-17            |
| Hinge                          | D-39                   | Fuel Injection                   | C-9             |
| Locator                        | B-24                   | Water                            | C-19            |
| Quick Release                  | B-5, D-12, D-13, D-14  |                                  |                 |
| Spring M08 X 20                | C-12                   |                                  |                 |
| Unloader                       | B-28                   |                                  |                 |
| Pipe                           |                        | <b>R</b>                         |                 |
| Charge Air Cooler / Engine     | B-17                   | Radiator                         | B-16            |
| Charge Air Cooler / Turbo      | B-17                   | Rail                             |                 |
| Charge Air Cooler Vertical     | B-17                   | Fuel                             | C-9             |
| Exhaust                        | B-13                   | Top                              | B-64, D-19      |
| Piston                         | B-18                   | Receptacle                       |                 |
| Unloader                       | B-27                   | Quarter Turn                     | B-62            |
| Plate                          |                        | Reducer                          | B-17            |
| Clamp                          | B-22, B-25             | 1.62-12 SAE X 1.31-12 Female SAE | B-30, B-59      |
| Gauge                          | D-29                   | -12 JIC TO -8 JIC                | D-10            |
| Retaining                      | B-22                   | Fuel Line 5/16" X 1/4"           | B-33            |
| Tie                            | B-6, D-33              | Reel                             |                 |
| Plate Assembly                 |                        | Hose                             | D-20            |
| LH Backing                     | B-8                    | Regulator                        |                 |
| RH Backing                     | B-8                    | Pressure 200 PSI                 | B-53, D-11      |
|                                |                        | Relay                            |                 |
|                                |                        | 100 Amp                          | B-39            |
|                                |                        | Sealed 24V                       | B-48            |
|                                |                        | Resistor                         | B-49            |
|                                |                        | Restrictor                       | C-9             |
|                                |                        | Retainer                         |                 |
|                                |                        | Pushon Quarter Turn              | B-64            |

## WORD INDEX

|                        |            |
|------------------------|------------|
| Ring                   |            |
| Snap                   | B-24, C-11 |
| Rivet                  |            |
| .19 Aluminum           | B-63       |
| .19 Dia.               | B-44       |
| 3/16"                  | B-64       |
| SS .19 Dia.            | B-45       |
| Rod                    |            |
| Element Retaining      | D-27       |
| Push                   | C-17       |
| Roof                   | B-64, D-19 |
| Rotor Set              | B-24       |
| Running Gear           | B-5        |
| Running Gear w/ Brakes | D-35       |

## WORD INDEX

### S

#### Screw

Button Head M08-1.25 X 20 ..... C-3  
 Button Head Socket Cap M10-1.5 X 16 .... B-27  
 Fillister Head #10-32 X 1/2" ..... B-33  
 Hex #10-24 X 7/16" ..... D-11  
 Hex 1/4"-20 X 1/2" ..... D-7  
 Hex 1/4-20 X 1/2" ..... D-29  
 Hex 3/8-16 X 1 1/2" ..... D-20  
 Hex 5/16-18 X 1.75 ..... D-35  
 Hex Cap M08-1.25 X 12 ..... C-9  
 Hex Cap M20-2.5 X 70 ..... C-21  
 Hex Flange M06-1.0 X 12 ..... C-2, C-9  
 Hex Flange M06-1.0 X 20 ..... C-2  
 Hex Flange M06-1.0 X 25 ..... C-19  
 Hex Flange M06-1.0 X 30 ..... C-19  
 Hex Flange M08-1.25 X 100 ..... C-7, C-22  
 Hex Flange M08-1.25 X 16 ..... C-7  
 Hex Flange M08-1.25 X 20 .C-3, C-7, C-22, C-27  
 Hex Flange M08-1.25 X 25 ..... B-13, C-3, C-19  
 Hex Flange M08-1.25 X 30 ..... C-9, C-14, C-17  
 Hex Flange M08-1.25 X 50 ..... C-19  
 Hex Flange M08-1.25 X 60 ..... C-12, C-19  
 Hex Flange M08-1.25 X 65 ..... C-19, C-22  
 Hex Flange M10-1.5 X 100 ..... C-14  
 Hex Flange M10-1.5 X 20 ..... C-11, C-16, C-25  
 Hex Flange M10-1.5 X 25 ..... C-9, C-15  
 Hex Flange M10-1.5 X 30 C-10, C-11, C-13, C-15  
 Hex Flange M10-1.5 X 50 ..... C-10  
 Hex Flange M10-1.5 X 65 ..... C-11  
 Hex Flange M10-1.5 X 90 ..... C-12  
 Hex Flange M10-1.50 X 30 .... D-21, D-23, D-26  
 Hex Flange M10-1.50 X 50 ..... C-6  
 Hex Flange M10-1.75 X 25 ..... C-27  
 Hex Flange M10-1.75 X 80 ..... C-27  
 Hex Flange M12-1.25 X 40 ..... D-39  
 Hex Flange M12-1.75 X 25 ..... B-15, B-21  
 Hex Flange M12-1.75 X 30 ..... B-11, B-34, D-9  
 Hex Flange M12-1.75 X 40 ..... B-5  
 Hex Flange M12-1.75 X 50 ..... C-4  
 Hex Flange M16 X 60 ..... B-35  
 Hex Flange M16-2.0 X 50 .D-9, D-12, D-13, D-14  
 Hex Flange M16-2.0 X 60 ..... B-35  
 Hex Head 1/2-13 X 1.25" ..... B-22  
 Hex Head 3/8-16 X 1.25" ..... B-25  
 Hex Head M08-1.25 X 16 ..... B-26, B-39  
 Hex Head M10-1.50 X 25 ..... B-23  
 Hex Head M12-1.75 X 30 ..... B-25  
 Hex Head M16-2.0 X 140 ..... B-23  
 Hex Lock 1/2-13 X 1.0" ..... D-12, D-14  
 Hex M05-0.8 X 50 ..... B-41  
 Hex M08-1.25 X 100 ..... B-10  
 Hex M08-1.25 X 20 ..... B-15  
 Hex M08-1.25 X 25 ..... B-31, D-35  
 Hex M08-1.25 X 30 ..... B-27, D-3  
 Hex M08-1.25 X 40 ..... C-3  
 Hex M08-1.25 X 80 ..... B-30  
 Hex M10-1.5 X 30 ..... B-21

Hex M10-1.50 X 20 ..... B-16, D-3, D-5, D-30  
 Hex M10-1.50 X 25 ..... B-27  
 Hex M10-1.50 X 35 ..... D-35  
 Hex M12-1.75 x 30 ..... B-43  
 Hex M14-2.0 X 40 ..... B-34  
 Hex M16-2.0 X 12 ..... B-5  
 Hex M16-2.0 X 120 ..... D-39  
 Hex M16-2.0 X 30 ..... B-19  
 Hex M16-2.0 X 40 ..... B-20  
 Hex M16-2.0 X 50 ..... B-5, D-12, D-13, D-14  
 Hex M16-2.0 X 75 ..... D-39  
 Hex M16-2.0 X 90 ..... B-10, B-19  
 Hex Socket Cap M06-1.0 X 16 ..... C-22  
 Hex Socket Head Cap 5/16-18 X 1.25" .... B-25  
 Hollow ..... C-25  
 Locking 3/8-16 X 3/4" ..... B-29  
 Plastic Tapping ..... B-44, D-16  
 Socket Head 3/8-16 X .75 ..... B-19  
 Socket Head Cap M08-1.25 X 70 ..... B-22  
 Socket Head Cap M10-1.5 X 25 ..... B-23  
 Socket Head M16-2.0 X 40 ..... B-22, B-24  
 Special Flange M12-1.75 X 38 ..... C-4  
 Tapping 3/8-16 X 1" ..... B-43  
 Tapping M04 X 25 ..... B-67  
 Tapping M06-1.0 X 12 . B-15, B-16, B-39, B-43,  
 B-46, B-47, B-62, B-64, D-7, D-19, D-29  
 Tapping M06-1.0 X 14 .B-46, B-63, D-21, D-23  
 Tapping M06-1.0 X 20 ..... B-47, D-35  
 Tapping M08-1.25 X 16 ..... D-9  
 Tapping M08-1.25 X 20 . B-5, B-13, B-29, B-39,  
 B-41, B-47, B-62, D-3, D-5, D-7, D-8, D-19, D-26,  
 D-30  
 Tapping M08-1.25 X 40 ..... B-33  
 Screw Assembly  
     Adjusting ..... B-8  
 Screw with Washer ..... C-9  
 Seal  
     Door ..... B-63  
     Front ..... C-19  
     Grease ..... B-6, D-33  
     Oil ..... B-23  
     Rear Oil ..... C-4  
     U-Type Viton ..... B-31  
 SECURITY LIFTING OPTION ..... D-39  
 Sender  
     Fuel Level ..... B-33, B-49  
     Pressure 145 PSI ..... D-16, D-17, D-37  
     Temperature 300° ..... D-16, D-17, D-37  
 Sensor  
     Coolant Temperature ..... C-23  
     Engine Speed ..... C-23  
     Fuel Rail ..... C-9  
     Fuel Temperature ..... C-9  
     Moisture ..... C-30  
     Oil Pressure ..... C-23  
     Temperature ..... B-20, B-35, B-49  
 Separator  
     Water 1.50" NPT ..... D-3, D-26

## WORD INDEX

Shaft  
     Bearing .....D-20  
     Drive .....B-23  
 Shield  
     Heat .....C-2  
 Shim  
     .002 .....B-25  
     .003 .....B-25  
     .010 .....B-25  
 Shim Set .....B-25  
 Shoe Kit  
     Brake .....B-8  
 Shrod  
     Fan .....B-15  
 Side .....B-51  
 Silencer  
     Pneumatic 1/4" NPT .....B-33  
 Sleeve  
     Idle Pulley .....C-11  
 Spacer .....B-22  
     Bearing .....B-22, B-24  
     Fan .....B-10  
     Idle Pulley .....C-11  
     Idle Tensioner .....C-12  
     Running Gear .....B-5  
 Splice  
     Insulated .....D-13, D-14  
 Spring .....B-18, B-27, B-63  
     Gas .....B-64  
     Lock Plunger \* .....D-39  
     Piston .....B-27  
     Retractor .....B-8  
     Slipper .....B-6, D-33  
     Unloader Pin .....B-28  
 Spring \* .....D-39  
 Spring Kit  
     Adjusting Screw .....B-8  
 Standpipe Assembly .....B-33  
 Starter .....B-48, C-13  
 Strap  
     Alternator Adjust .....C-15  
     Foam Retaining .....B-64  
     Fuel Tank .....B-33  
     Ground .....B-43  
 Stud .....B-7, D-33  
     Ball .....B-62, B-64  
     M16-2.0 X 55 .....B-26  
     Quarter Turn .....B-64  
 Support  
     Air Cleaner .....B-39  
     Carge Air Cooler .....B-15  
     Fan Drive .....C-11  
     Idle Tensioner .....C-12  
     Oil Cooler .....B-15  
     Oil Filter .....B-30  
     Rear .....D-9  
     Service Pipe .....B-38  
     Wire Harness .....B-21

Support  
     Airend .....B-19  
 Switch  
     Breakaway .....B-46, B-47  
     Rocker SP Momentary .....B-41, B-49  
     Rocker SPST Momentary .....B-44, B-50, D-16  
     Start .....B-44, B-50, D-16  
     Vacuum .....D-16, D-36  
 Swivel Head \* .....D-39

## T

Tachometer .....D-16, D-18, D-37  
 Tail / Stop .....B-51  
 Tank  
     Fuel .....B-33  
     Separator .....B-34  
 Tee  
     1/4" NPT .....D-28  
     1/8" NPT Street .....D-7  
     3/4" NPT .....B-35  
     Branch 7/8-14 X -10JIC .....B-20, B-58  
     Branch 9/16-18 X -6JIC .....B-21, B-58  
     Male Run 1/4" NPT X 3/8 Tube .....B-52, D-28  
     Male Run 1/4" NPT X 3/8" Tube .....D-7  
     Male Run 1/8" NPT X 3/8 Tube .....D-28  
     Male Run 1/8" NPT X 3/8" Tube .....D-7  
     Street 1.25" NPT .....D-21, D-23  
     Street 1/4" NPT .....B-52, B-54, D-3, D-5, D-31  
     Street 1/8" NPT .....D-16, D-17  
 Tensioner  
     Idle .....C-12  
 Terminator  
     Resistor .....B-48  
 Thermocouple .....C-23  
 Thermostat .....C-10  
 Tire  
     ST225/75D15D .....B-9  
 Tire & Wheel Assembly \* .....D-39  
 Tire Assembly .....B-5  
 Transducer  
     0-100 PSI .....B-49, B-52  
     0-500 PSI .....B-53  
     0-500 PSIG .....B-49  
 Tray  
     Battery .....B-43

## WORD INDEX

Tube .....C-10  
     Bearing Oil Scavenge .....B-20, B-58  
     Bearing Oil Supply .....B-21, B-58  
     Dipstick .....C-20  
     Discharge .....B-35  
     Exhaust .....B-13  
     Front Bearing Oil Supply .....B-20, B-57  
     Front Oil Seal .....B-21, B-57  
     Male Rear Scavenge .....B-20, B-58  
     Oil Pump Intake .....C-7  
     OTBV to Oil Cooler .....B-29, B-56  
     Separator Tank to Aftercooler .....D-3, D-5, D-30  
     Separator Tank to Service Pipe .....D-3, D-5, D-31  
     Service .....B-37  
     Sight .....B-36  
     Top Oil Cooler .....B-29, B-56  
 Tube Assembly .....B-21, B-58  
 Tubing  
     3/8" OD Synflex B-33, B-52, B-54, D-3, D-5, D-8,  
         D-11, D-28, D-31  
     3/8" Synflex .....D-7  
     5/16" .....B-16  
     Tygon 1/8" ID .....B-26  
 Turbocharger .....C-27

### U

U-Bolt .....B-6  
 Union  
     Straight 1.31-12 SAE .....B-30, B-59

### V

Valve  
     3/4" NPT Ball .....B-37  
     3-Way .....D-11  
     3-Way 1.5" NPT .....D-3, D-5, D-30  
     Ball .75" NPT X 1.062-12 UNF .....B-38  
     Ball 1.25" NPT .....B-38  
     Ball 3/4" .....D-9  
     Blowdown .....B-55, D-3, D-5, D-31  
     Check .....B-56, D-22, D-24  
     Check 1.50" NPT .....D-3, D-5, D-31  
     Dust ejector .....B-40  
     Minimum Pressure .....B-37  
     Pressure Regulator 100 PSI .....D-11  
     Pressure Relief .....C-9  
     Safety 150 PSI .....B-35  
     Safety 200 PSI .....B-35  
     Solenoid 24 V 0-100 PSI .....B-49, B-52  
     Stem .....B-9  
     Unloader .....B-28  
 Valve Assembly  
     Unloader .....B-26, B-28  
 V-Belt .....C-11

### W

Warning  
     Battery .....B-65  
     High Pressure .....B-65  
     Hot Fluid .....B-67  
     Improper Operation .....B-67  
     Rotating Fan .....B-65, B-67  
     Towing .....B-67  
 Washer  
     Copper .....B-25  
     Flat .....B-11, B-30  
     Flat .88" .....D-21, D-23  
     Flat 1/2" .....B-43  
     Flat 1/4" .....B-63, D-11  
     Flat 3/16" .....B-63  
     Flat 3/8" .....D-35  
     Flat 3/8" .....D-3  
     Flat 3/8" ID .....B-5  
     Flat 5/16" .....B-15, B-43  
     Flat M08 .....B-10, C-14  
     Flat M16 .....B-19  
     Lock .....B-34  
     Lock 3/8" .....D-20  
     Nylon .....B-63  
     Piston 43mm .....B-27  
     Piston 64mm .....B-27  
     Plastic 1/4" .....B-43  
     Sealing .....C-25  
     Sealing 5 mm .....C-25  
     Sealing 7 mm .....C-25  
     Snubber .....B-10, B-19  
     Spindle .....B-6, D-33  
     Tang .....B-7, D-33  
     Thrust M10 .....C-14  
 Wedge Module .....B-41  
 Wheel  
     15 X 6 .....B-9  
     Speed Sensor .....C-23  
 Wire  
     Black 14 AWG .....D-13, D-14

## WORD INDEX

## Revision History

[illegible]



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