

# MAGNUM A SERIES DIESEL SOD INSTALLER PARTS MANUAL



**MAGNUM A42D  
MAGNUM A48D**

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RE-ORDER NUMBER: 2IND-MANUAL  
REVISION: 2IND-100010





## **A SERIES**

# **MAGNUM A42D / A48D PARTS MANUAL**

The purpose of this manual is for parts identification of the Magnum A series sod installer. This manual is not to be used for assembly. This manual includes parts lists and illustrations of all available replacement parts for the Magnum A series sod installer. A table of contents is placed at the beginning of the manual for location of specific parts. Keep this manual available for reference in the shop area.

At the time of publication all information contained in this manual was technically correct. However, all materials and specifications are subject to change without notice.

Comments and suggestions about this manual may be directed to: Bucyrus Equipment Co., Inc., PO Box 156-209 Main, Hillsdale, KS 66036. Phone 1-800-330-0857

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ENGINE**

**ENGINE- Parts List**

| ITEM | QTY | PART NUMBER      | DESCRIPTION                 |
|------|-----|------------------|-----------------------------|
| 1    | 1   | D662-E2B         | GLOW PLUG RAIL              |
| 2    | 3   | 16851-65512      | GLOW PLUG                   |
| 3    | 1   | D902-E4B-KEA-2   | ENGINE ASSY                 |
| 4    | 1   | 16678-64012      | ALTERNATOR                  |
| 5    | 1   | 15881-97010      | FAN DRIVE BELT              |
| 6    | 1   | 12599-74110      | COOLING FAN                 |
| 7    | 1   | 16829-36410      | DIPSTICK                    |
| 8    | 1   | 17538-83040      | COOLANT TEMPERATURE SENSOR  |
| 9    | 1   | E9151-33140      | OIL CAP                     |
| 10   | 1   | 902514           | HYDROSTAT COUPLER/HOUSING   |
| 10-1 | 1   | 930114_930114-03 | HOUSING                     |
| 10-2 | 1   | 127993           | COUPLING ASSY               |
| 10-3 | 5   | 40357            | M8 FLAT WASHER              |
| 10-4 | 5   | 40383            | M8 LOCK WASHER              |
| 10-5 | 5   | 91280A540        | M8-1.25 X 35mm CAPSCREW PT  |
| 11   | 1   | 15841-39010      | OIL SENDING UNIT            |
| 12   | 1   | HH150-32430      | ENGINE OIL FILTER           |
| 13   | 1   | 16824-63010      | STARTER                     |
| 14   | 1   | 04814-50300      | OIL FILL CAP O-RING         |
| 15   | 1   | 68381            | AIR INTAKE RAIN CAP         |
| 16   | 4   | 0427614          | 1 1/4" - 2 1/4" HOSE CLAMP  |
| 17   | 1   | IND-ENG400       | DIESEL ENGINE INTAKE HOSE   |
| 18   | 1   | 1G952-11621      | INLET HOSE                  |
| 19   | 1   | 1G657-11011      | AIR CLEANER ASSEMBLY        |
| 20   | 1   | 1G659-11222      | AIR FILTER ELEMENT          |
| 21   | 1   | IND-ENG206       | AIR FILTER MOUNT            |
| 22   | 1   | 2IND-ENG402      | 63" FUEL LINE ENGINE/TANK   |
| 23   | 1   | 2IND-ENG400      | 30" FUEL LINE FILTER/TANK   |
| 24   | 1   | 2IND-ENG401      | 30" FUEL LINE FILTER/ENGINE |
| 25   | 1   | 1G952-43001      | FUEL FILTER KIT             |
| 25-1 | 1   | 14301-43650      | FUEL FILTER BOWL O-RING     |
| 25-2 | 1   | 15231-43560      | FUEL FILTER                 |
| 25-3 | 1   | 1T251-43100      | FUEL FILTER BOWL            |
| 26   | 1   | 2IND-ENG100      | FUEL FILTER MOUNT           |
| 27   | 1   | 1G961-52030      | FUEL PUMP                   |
| 28   | 1   | 16264-52140      | FUEL PUMP GASKET            |
| 29   | 1   | FC-1             | FUEL CAP - EPA              |
| 30   | 1   | 110-16-191       | FUEL GUAGE                  |



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| ITEM | QTY | PART NUMBER | DESCRIPTION                                         |
|------|-----|-------------|-----------------------------------------------------|
| 31   | 1   | IN-FT100-R  | FUEL TANK                                           |
| 33   | 1   | 4244-05-04  | 5MHB-4MP                                            |
| 34   | 1   | 5406-FLP-08 | PLUG, 8P                                            |
| 35   | 1   | 9654K117    | EXT SPRING 1.25" OAL X 0.313 OD,<br>12/PKG          |
| 36   | 1   | IND-ENG200  | THROTTLE LEVER                                      |
| 37   | 2   | 9713K414    | 1/4" SPRING WASHER                                  |
| 38   | 2   | IND-ENG211  | THROTTLE LEVER WEAR PAD                             |
| 39   | 2   | 175-601-204 | CLEVIS END, 1/4"                                    |
| 40   | 1   | 2IND-ENG300 | THROTTLE CABLE                                      |
| 41   | 1   | 2IND-ENG200 | THROTTLE LEVER/CABLE MOUNT                          |
| 42   | 1   | 2IND-ENG201 | THROTTLE MNT BRACKET                                |
| 43   | 1   | 2IND-STR100 | STEERING MOUNT                                      |
| 44   | 1   | 2IND-ENG203 | THROTTLE CABLE ENGINE MOUNT,<br>FOR PUSH PULL CABLE |
| 45   | 3   | 02756-50060 | EXHAUST MANIFOLD NUT                                |
| 46   | 1   | 1G962-12350 | EXHAUST MANIFOLD GASKET                             |
| 47   | 3   | 01513-50618 | EXHAUST MANIFOLD STUD                               |
| 48   | 4   | 01513-50822 | EXHAUST STUD                                        |
| 49   | 3   | 01759-50616 | EXHAUST MANIFOLD BOLT                               |
| 50   | 1   | 1G962-12310 | EXHAUST MANIFOLD                                    |
| 51   | 1   | 15263-12370 | MUFFLER GASKET                                      |
| 52   | 1   | C31 ASSY    | MUFFLER                                             |
| 53   | 1   | 3042T84     | EXHAUST CLAMP                                       |
| 53-1 | 1   | 66711-54422 | MUFFLER CLAMP                                       |
| 53-2 | 1   | 38624       | M8-1.25 X 65mm CAPSCREW, PT                         |
| 53-3 | 1   | 40307       | M8-1.25 HEX NUT                                     |
| 53-4 | 2   | 40357       | M8 FLAT WASHER                                      |
| 54   | 1   | 2IND-ENG204 | EXHAUST TUBE                                        |
| 55   | 1   | 1G690-72091 | COOLANT RESERVOIR ASSEMBLY                          |
| 55-1 | 1   | 15531-72422 | COOLANT RESERVOIR CAP                               |
| 55-2 | 1   | 15531-72432 | COOLANT RESERVOIR CAP GASKET                        |
| 55-3 | 1   | 2IND-ENG404 | DRAIN HOSE                                          |
| 55-4 | 1   | 2IND-ENG403 | HOSE TO RADIATOR                                    |
| 55-5 | 1   | 2IND-ENG405 | RETURN TUBE                                         |
| 56   | 2   | 1G932-72190 | RADIATOR, LOWER ISOLATOR                            |
| 57   | 1   | 1G930-72190 | RADIATOR, UPPER ISOLATOR                            |
| 58   | 1   | 1G952-72940 | UPPER RADIATOR HOSE                                 |
| 59   | 1   | 1G952-72850 | LOWER RADIATOR HOSE                                 |
| 60   | 1   | 17214-72020 | RADIATOR CAP                                        |



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| ITEM | QTY | PART NUMBER     | DESCRIPTION                   |
|------|-----|-----------------|-------------------------------|
| 61   | 2   | 2IND-ENG202     | ENGINE MOUNT                  |
| 62   | 1   | IND-VB109       | HYDROSTAT CONTROL             |
| 63   | 1   | 2IND-VB102      | SOLID LINKAGE CROSS TUBE      |
| 64   | 2   | IND-ENG106      | ENGINE MOUNT SPACER, LEFT     |
| 65   | 4   | 02156-50080     | EXHAUST NUT                   |
| 66   | 4   | 04512-60080     | EXHAUST LOCK WASHER           |
| 67   | 1   | 1G659-11251     | AIR CLEANER BRACKET           |
| 68   | 4   | 33857           | 1/4" FLAT WASHER              |
| 69   | 4   | 33891           | 1/4" LOCK WASHER              |
| 70   | 6   | 1_4-20 LOCK NUT | 1/4"-20 LOCK NUT              |
| 71   | 1   | 13009           | 1/4"-20 X 1 1/2" CAPSCREW     |
| 72   | 2   | 18797           | 5/16"-18 X 1 1/4" CAPSCREW    |
| 73   | 19  | 33858           | 5/16" FLAT WASHER             |
| 74   | 15  | 33892           | 5/16" LOCK WASHER             |
| 75   | 8   | 36304           | 5/16"-18 HEX NUT              |
| 76   | 2   | 1136454         | 5/16"-24 HEX NUT              |
| 77   | 2   | 94276           | 5/16-24 X1                    |
| 78   | 6   | 13055           | 5/16"-18 X 1" CAPSCREW        |
| 79   | 1   | 13065           | 5/16 PT BOLT                  |
| 80   | 9   | 33007           | 3/8 FLAT WAHSER               |
| 81   | 8   | 33859           | 3/8" FLAT WASHER              |
| 82   | 9   | 33893           | 3/8" LOCK WASHER              |
| 83   | 6   | 36306           | 3/8"-16 HEX NUT               |
| 84   | 4   | 13107           | 3/8"-16 X 1 1/4" CAPSCREW     |
| 85   | 5   | 0115109         | 3/8"-16 X 1 1/2" CAPSCREW     |
| 86   | 1   | 37820           | 3/8"-16 X 1 3/4" COUPLING NUT |
| 87   | 6   | 33860           | 7/16" FLAT WASHER             |
| 88   | 4   | 33894           | 7/16" LOCK WASHER             |
| 89   | 2   | 36308           | 7/16"-14 HEX NUT              |
| 90   | 2   | 0115167         | 7/16"-14 X 3 1/2" CAPSCREW PT |
| 91   | 2   | 110708785       | 7/8" P-CLAMP                  |
| 92   | 4   | 38615           | M8-1.25 X 20mm CAPSCREW       |
| 93   | 8   | 40308           | M10 HEX NUT                   |
| 94   | 12  | 38685           | M10-1.25 X 40mm CAPSCREW      |
| 95   | 4   | 38666           | M10-1.5 X 80 BOLT             |
| 96   | 16  | 1140358         | M10 FLAT WASHER               |
| 97   | 16  | 1140384         | M10 LOCK WASHER               |
| 98   | 4   | 0427670         | HOSE CLAMP                    |
| 99   | 2   | 5324K53         | 3/8" TENSION SPRING CLAMP     |
| 100  | 1   | 1G952-72061     | RADIATOR                      |



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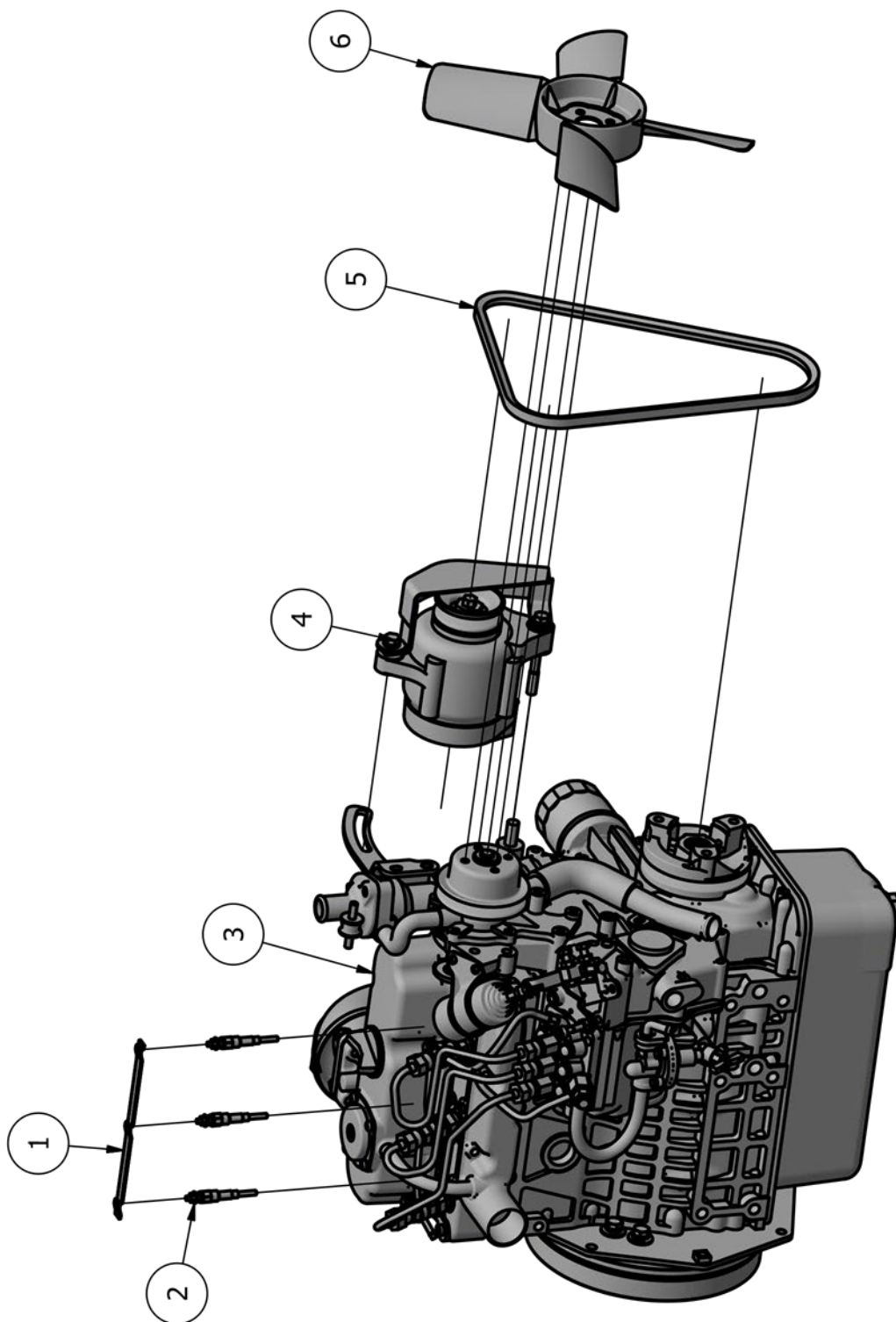
| ITEM | QTY | PART NUMBER | DESCRIPTION                       |
|------|-----|-------------|-----------------------------------|
| 101  | 1   | 2IND-VB107  | CHECK VALVE BRACKET               |
| 102  | 1   | 2IND-STR101 | HYDRAULIC RELIEF VALVE<br>BRACKET |
| 103  | 1   | 13109       | 3/8" – 16 X 1 1/2" CAPSCREW       |
| 104  | 1   | 4290-03-04  | 90 BARBED FITTING                 |





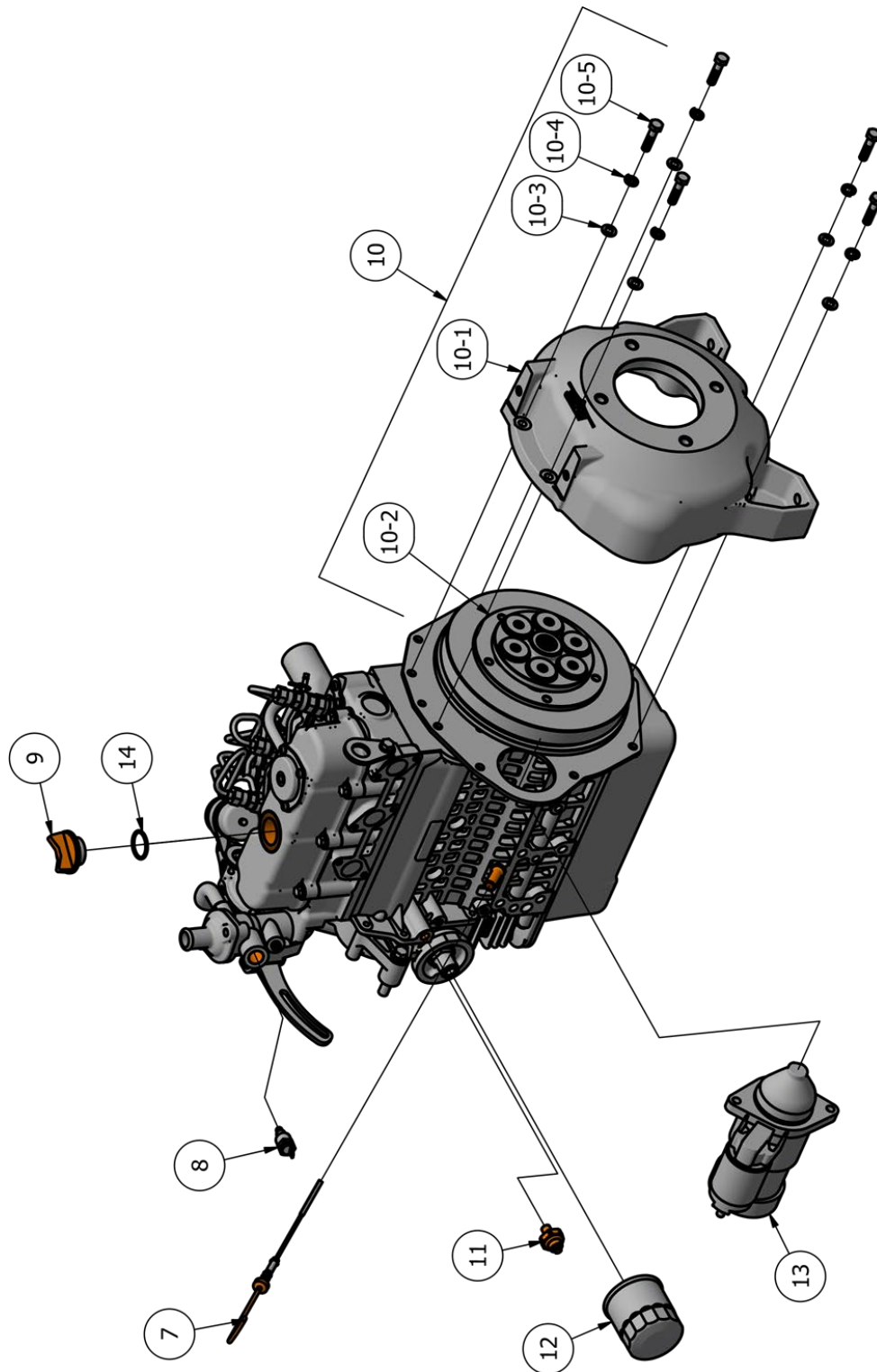
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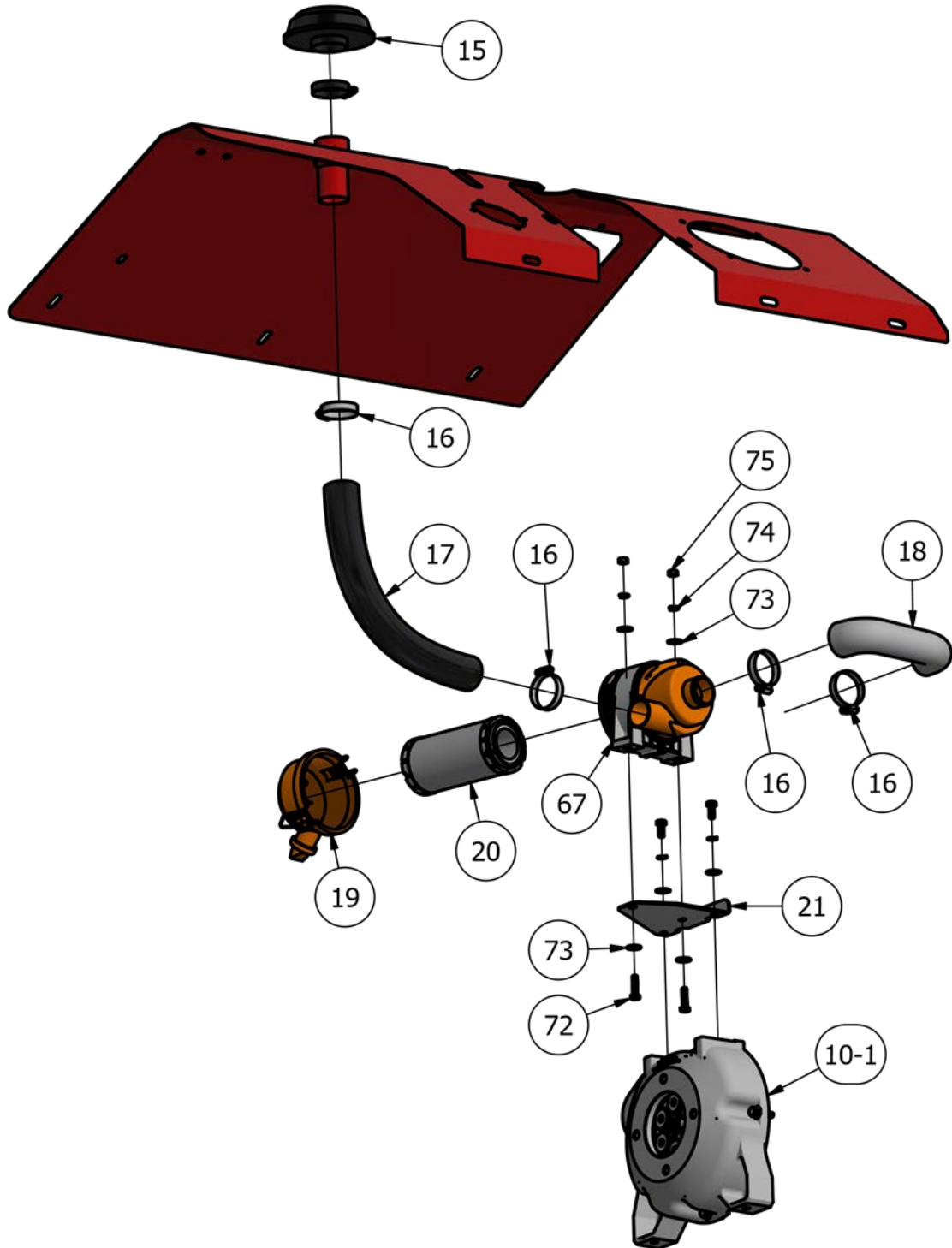
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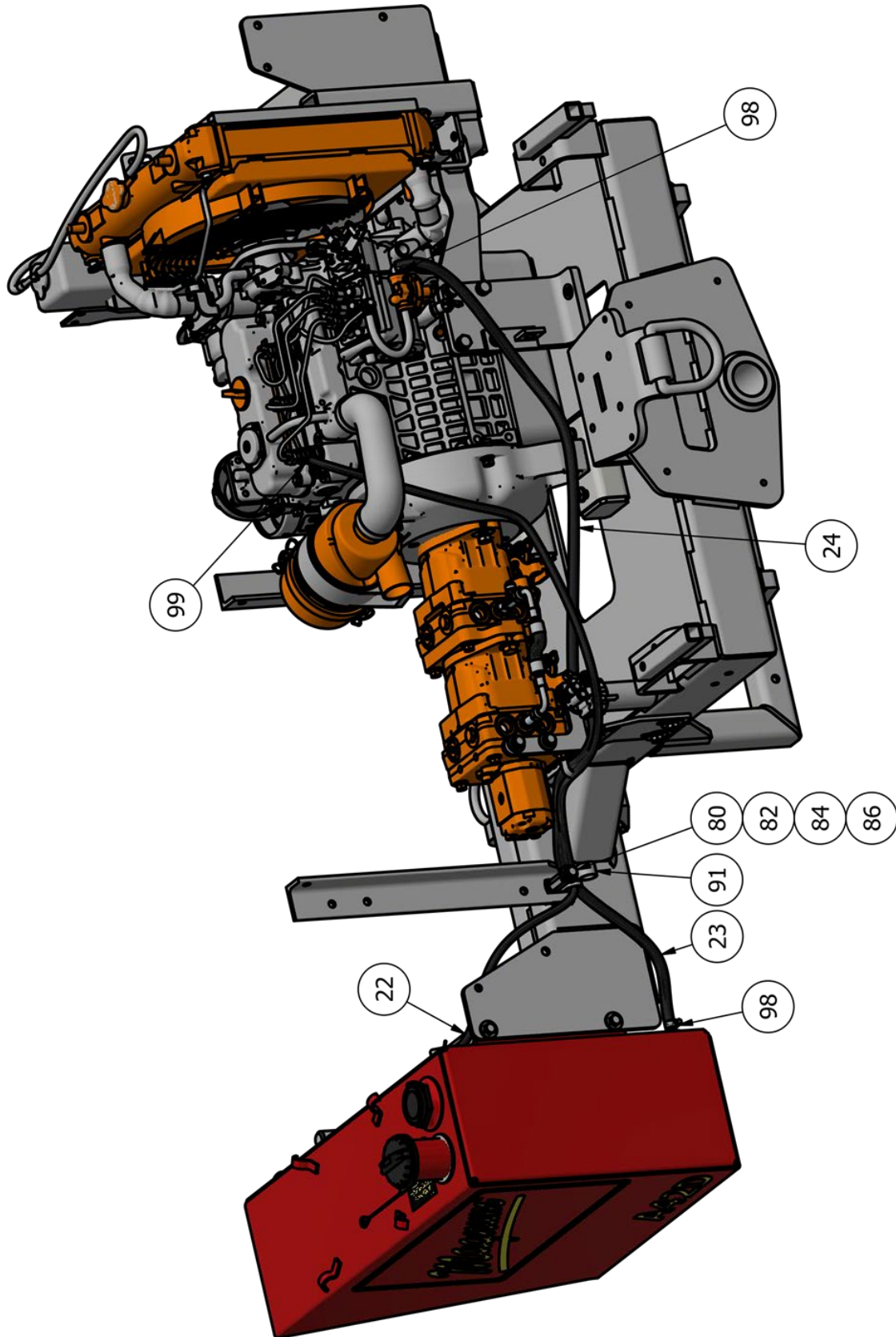
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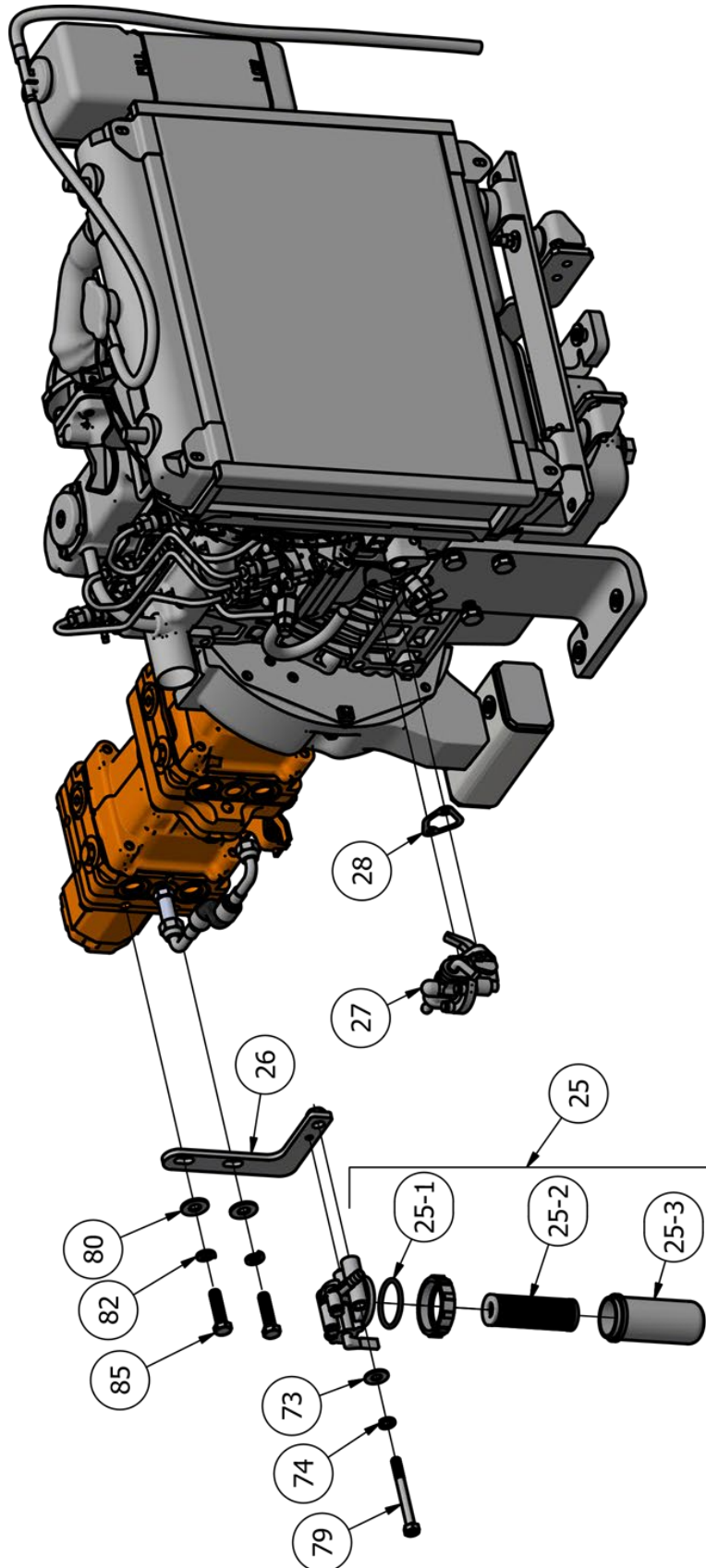


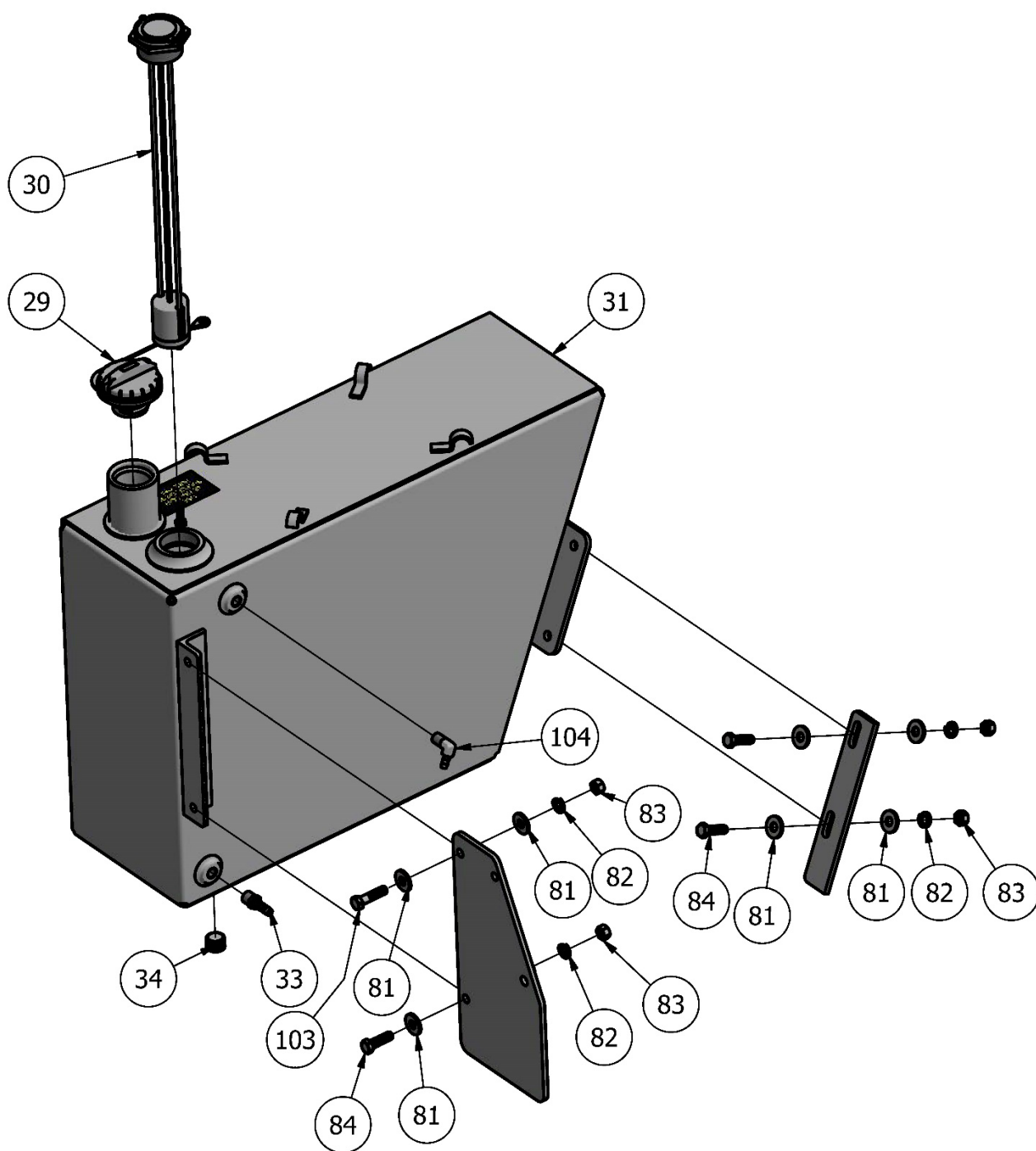
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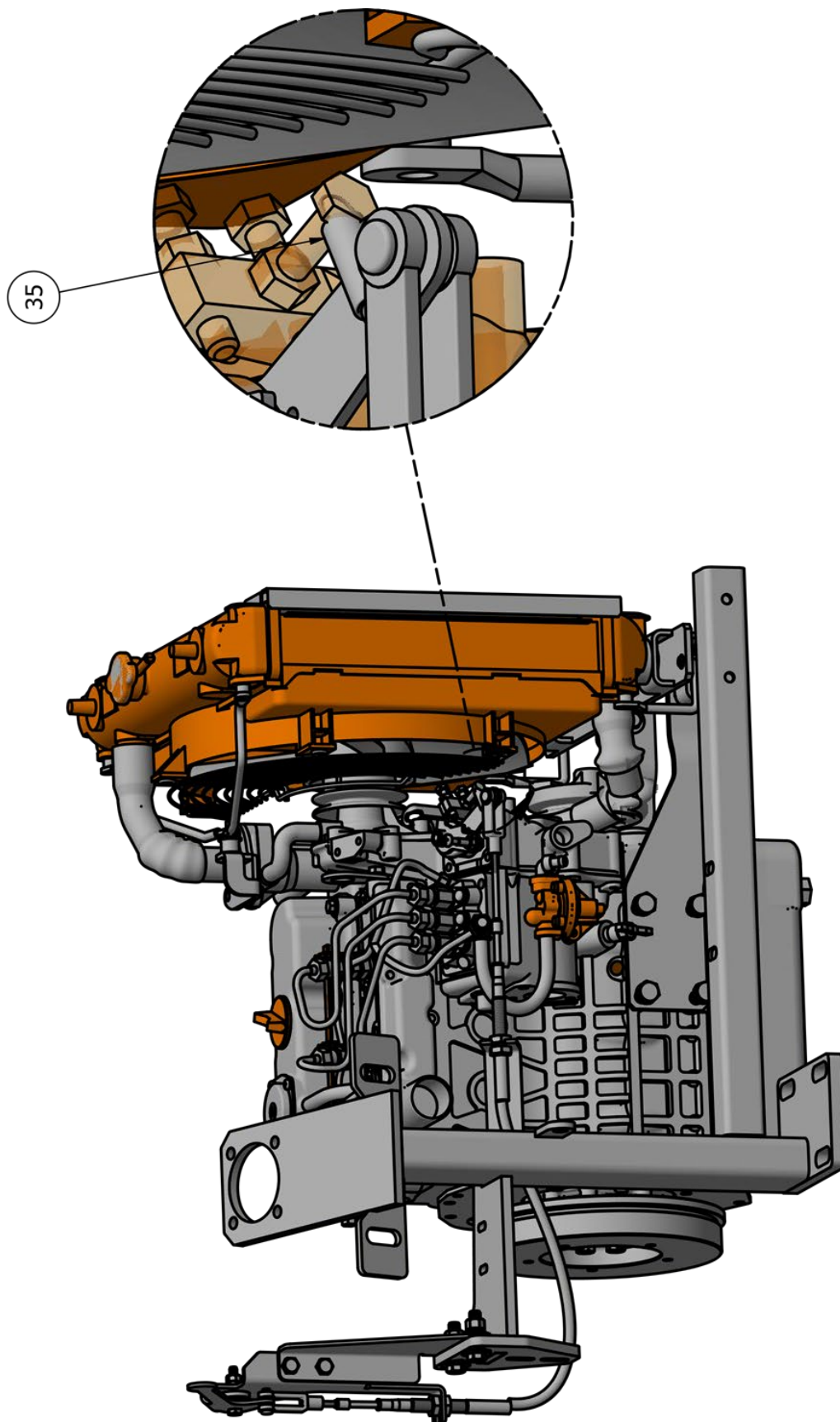


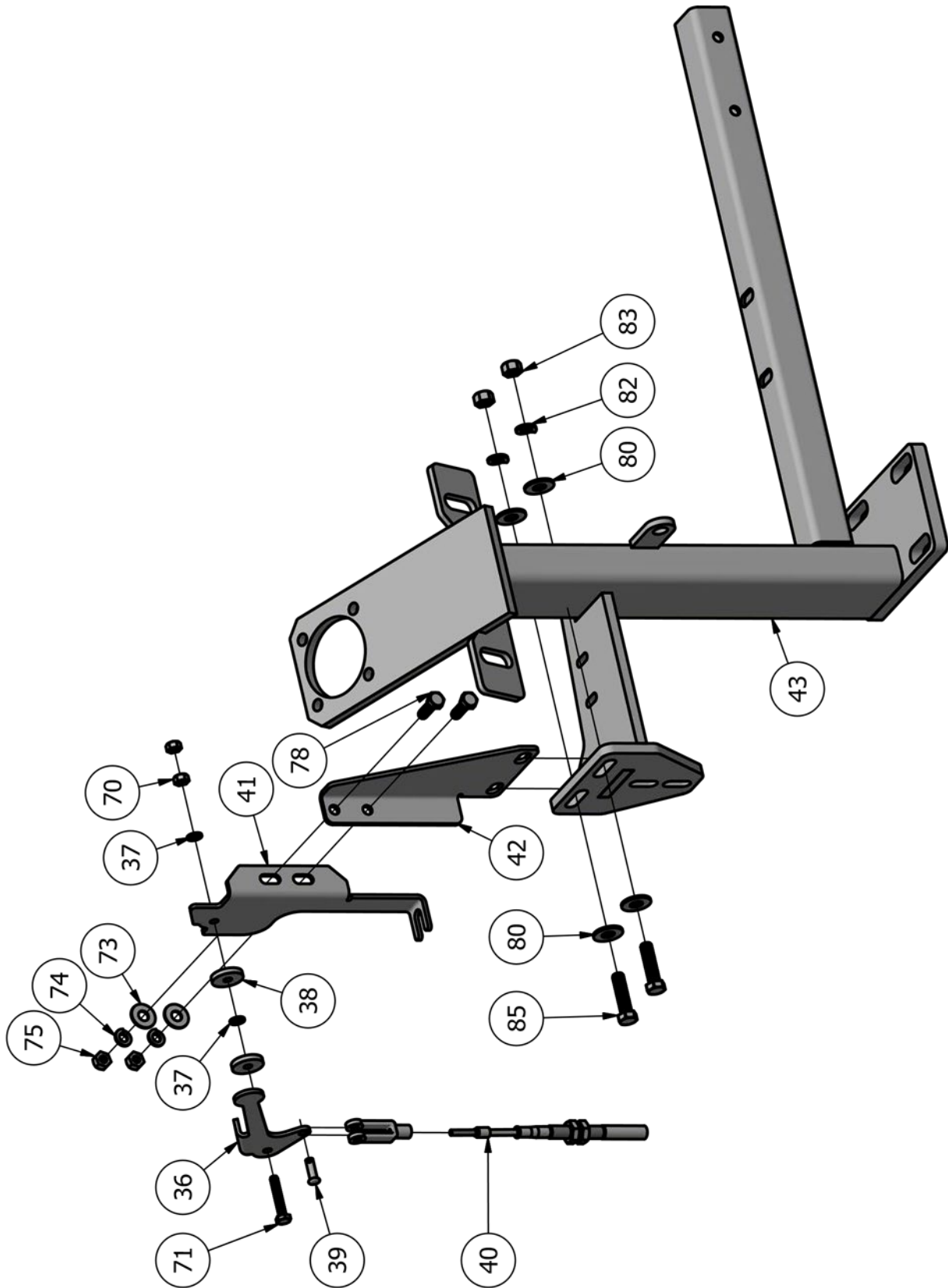
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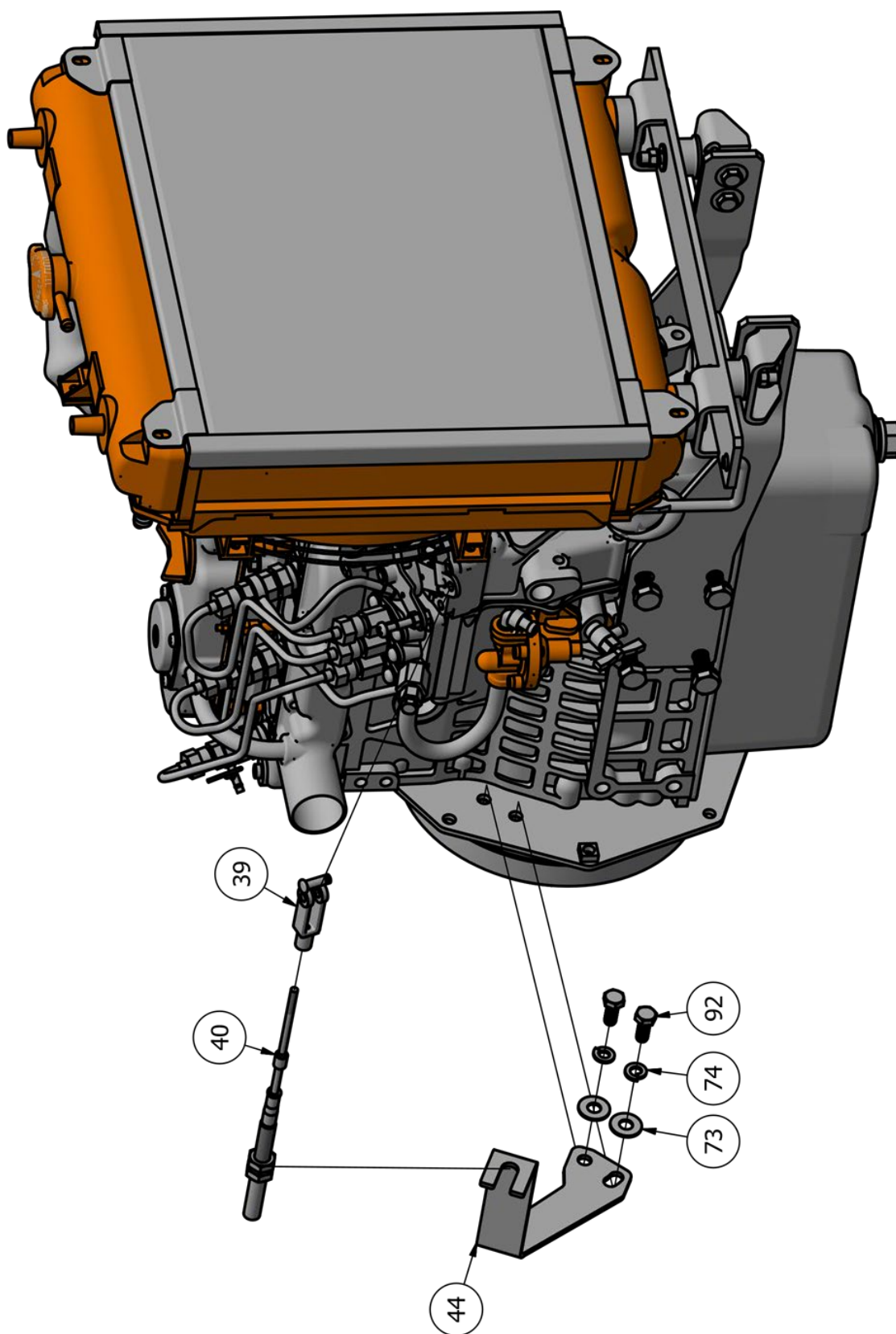




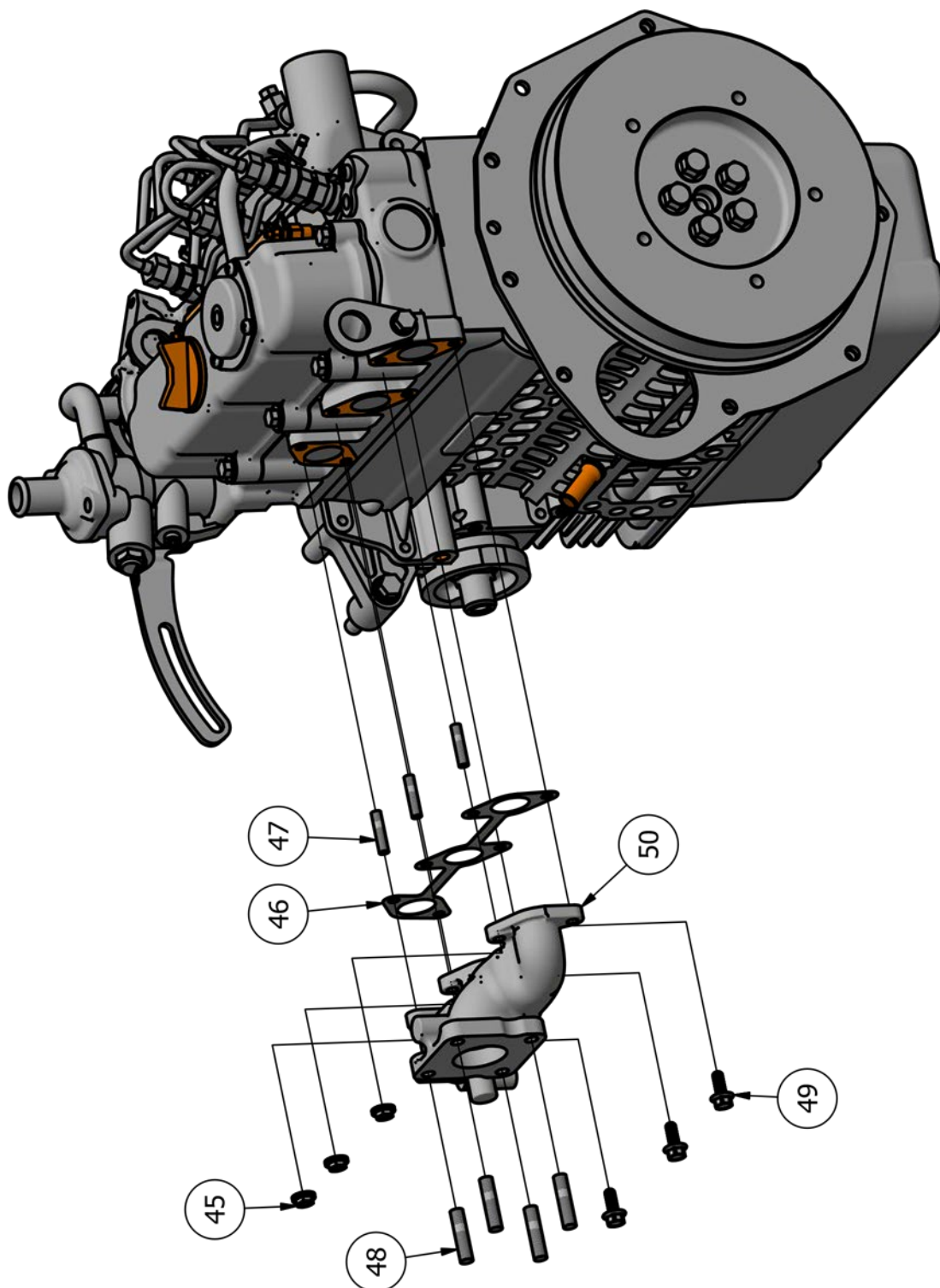
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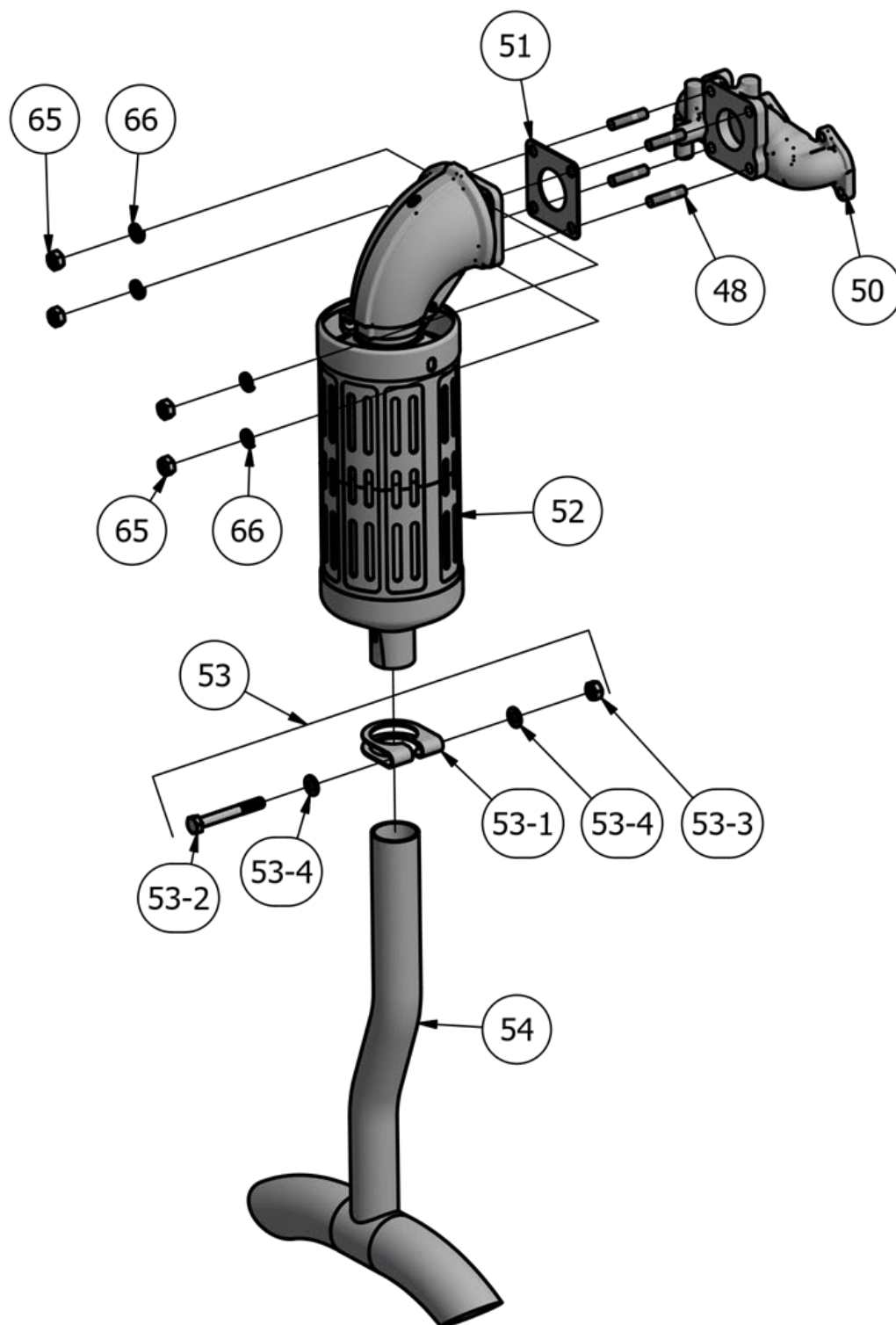
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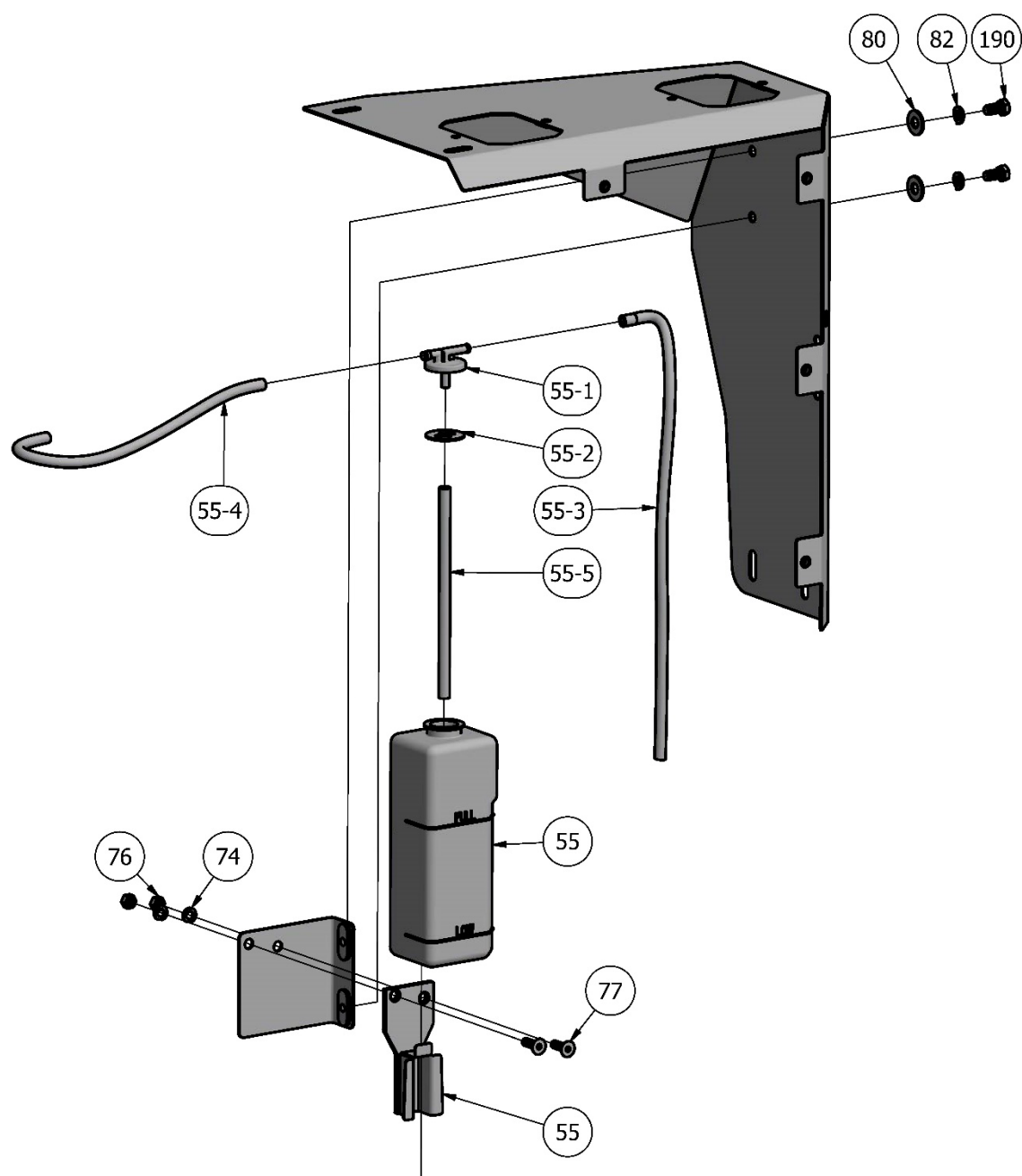
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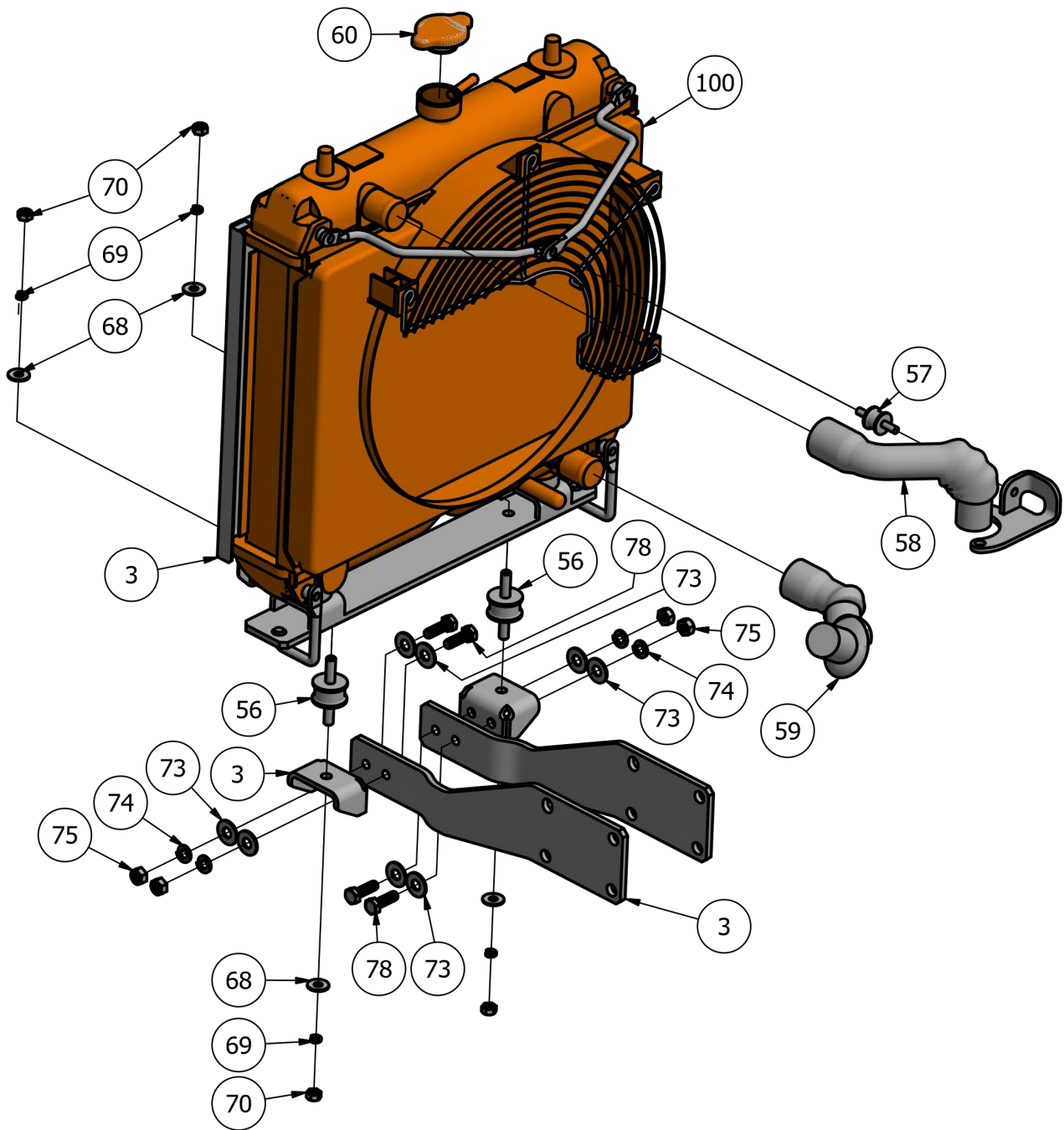
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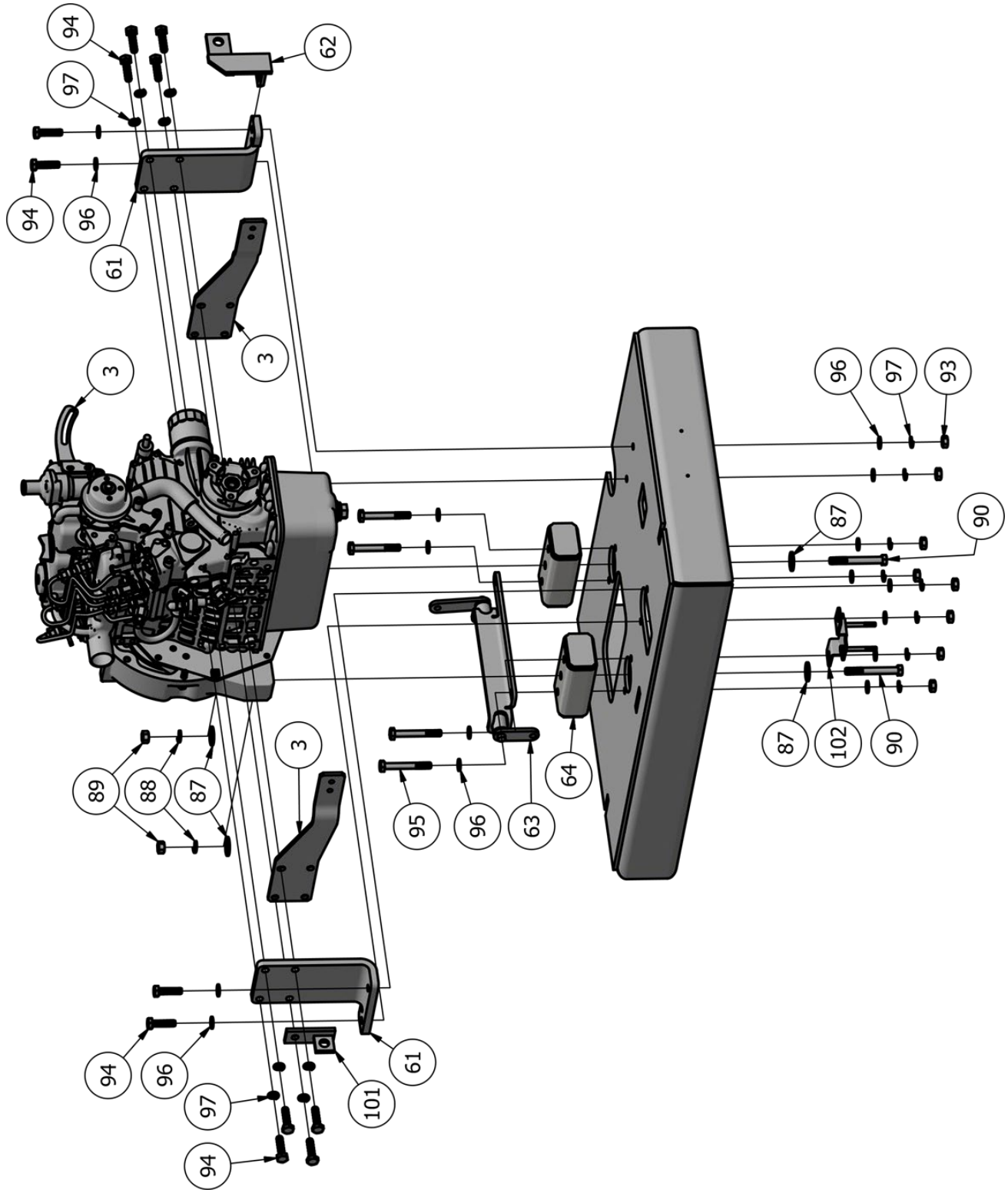






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