



# Jacobs Parts Manual Update

For Detroit Diesel 760-770 Series

## INCLUDES

- Parts list for Detroit Diesel 760-770 Series
- Updated part numbers as of January 2013
- Part numbers for housing assemblies and attaching parts group
- Part name, part number and illustration number for each model

## Housing Assemblies

| Model      | Description              | Part Number |
|------------|--------------------------|-------------|
| 760 / 760A | Housing Assy, 12VDC, S/L | 17751       |
| 760 / 760A | Housing Assy, 24VDC, S/L | 20732       |
| 760B       | Housing Assy, 12VDC, S/L | 25384       |
| 760B       | Housing Assy, 24VDC, S/L | 25389       |
| 765        | Housing Assy, 12VDC, S/L | 17537       |
| 765        | Housing Assy, 24VDC, S/L | 19974       |
| 765A       | Housing Assy, 12VDC, S/L | 25231       |
| 765A       | Housing Assy, 24VDC, S/L | 25281       |
| 770        | Housing Assy, 12VDC, S/L | 25911       |
| 770        | Housing Assy, 24VDC, S/L | 26550       |

## Attaching Parts Group

| Illustration # | Part Name                     | Qty/Hsg | Part Number | Model                           |
|----------------|-------------------------------|---------|-------------|---------------------------------|
| 1              | Space Bar                     | 2       | 16687       | 760, 760A, 760B, 765, 765A, 770 |
| -              | <b>Hsg. Attg. Parts Group</b> | 1       | 16520       | 760                             |
| 2              | Bolt-12 pt. 4.750" (120mm)    | 6       | 12995       | 760                             |
| 3              | Bolt-12 pt. 4.375" (110mm)    | 3       | 21183       | 760                             |
| 4              | Flat Washer                   | 9       | 21184       | 760                             |
| -              | <b>Hsg. Attg. Parts Group</b> | 1       | 21268       | 760A, 760B, 765, 765A, 770      |
| 3              | Bolt-12 pt. 4.375" (110mm)    | 9       | 21183       | 760A, 760B, 765, 765A, 770      |
| 4              | Flat Washer                   | 9       | 21184       | 760A, 760B, 765, 765A, 770      |



## Jacobs Parts Manual for 760-770

| Parts by Model Number |                                 | Model   | 760         | 760A        | 760B        | 765         | 765A        | 770         |
|-----------------------|---------------------------------|---------|-------------|-------------|-------------|-------------|-------------|-------------|
| Illustration #        | Part Name                       | Qty/Hsg | Part Number | Part Number | Part Number | Part Number | Part Number | Part Number |
| 1                     | Retaining Ring                  | 3       | 12991       | 12991       | 12991       | 12991       | 12991       | 12991       |
| 2                     | Washer                          | 5       | 16505       | 16505       | 16505       | 16505       | 16505       | 16505       |
| 3                     | CV-Outer Spring (Tan)           | 2       | 1519        | 1519        | 1519        | 1519        | 1519        | 1519        |
| 4                     | CV- Inner Spring                | 2       | 18179       | 18179       | 18179       | 18179       | 18179       | 18179       |
| 5                     | Collar                          | 2       | 16557       | 16557       | 16557       | 16557       | 16557       | 16557       |
| 6                     | Control Valve                   | 2       | 11930       | 11930       | 11930       | 11930       | 11930       | 11930       |
| 7                     | Solenoid Valve 12V, single lead | 1       | 1024612     | 1024612     | 1024612     | 1024612     | 1024612     | 1024612     |
| 7                     | Solenoid Valve 24V, single lead | 1       | 1024619     | 1024619     | 1024619     | 1024619     | 1024619     | 1024619     |
| 8                     | Upper Seal Ring                 | 1       | 20229       | 20229       | 20229       | 20229       | 20229       | 20229       |
| 9                     | Center Seal Ring                | 1       | 1082        | 1082        | 1082        | 1082        | 1082        | 1082        |
| 10                    | Lower Seal Ring                 | 1       | 1083        | 1083        | 1083        | 1083        | 1083        | 1083        |
| 11                    | Accumulator Spring (3.260" OAL) | 1       | 12990       | 12990       | 12990       | 12990       | 12990       | 12990       |
| 12                    | Accumulator piston              | 1       | 12983       | 12983       | 12983       | 12983       | 12983       | 12983       |
| 13                    | J-Lash Assy                     | 2       | 20382       | 20382       | 20382       | 20382       | 20382       | 28082       |
| 14                    | Hex Nut 1/2-20                  | 2       | 11395       | 11395       | 11395       | 11395       | 11395       | -           |
| 14                    | Hex Nut 5/8-20                  | 2       | -           | -           | -           | -           | -           | 19987       |
| 15                    | Screw                           | 2       | 1492        | 1492        | 1492        | 1492        | 1492        | 1492        |
| 16                    | MP- Flat Spring                 | 2       | -           | 17658       | 17658       | 17658       | 17658       | 17658       |
| 16                    | MP- Flat Spring                 | 2       | 16535       | -           | -           | -           | -           | -           |
| 17                    | Master Piston 0.936" dia.       | 2       | -           | -           | -           | 17565       | 17565       | 17565       |
| 17                    | Master Piston 0.874" dia.       | 2       | 12981       | 12981       | 12981       | -           | -           | -           |
| 18                    | Bridge Adj. Screw               | 2       | 11426       | 11426       | 11426       | 11426       | 11426       | 11426       |
| 19                    | Hex Nut                         | 2       | 16766       | 16766       | 16766       | 16766       | 16766       | 16766       |
| 20                    | Slave Piston 1.125" dia.        | 2       | 17048       | 17048       | 17048       | 17048       | 17048       | -           |
| 20                    | Slave Piston 1.125" dia.        | 2       | -           | -           | -           | -           | -           | 24338       |
| 21                    | Bridge*                         | 2       | 16771       | 16771       | 16771       | 16771       | 16771       | 16771       |
| 22                    | Torsion Spring                  | 2       | 19576       | 19576       | 19576       | 19576       | 19576       | 19576       |
| 23                    | ButtonHead Screw                | 2       | -           | 19740       | 19740       | 19740       | 19740       | 19740       |
| 23                    | ButtonHead Screw                | 2       | 12996       | -           | -           | -           | -           | -           |
| 24                    | Washer                          | 2       | -           | 19741       | 19741       | 19741       | 19741       | 19741       |
| N/A                   | Pipe Plug (1/16" X 27 NPT)      | 11      | 28317       | 28317       | 28317       | 28317       | 28317       | 28317       |
| 25                    | Ball                            | 1       | 1021        |             |             |             |             |             |
| 26                    | Ball Check Spring               | 1       | 11720       |             |             |             |             |             |
| 27                    | Pipe Plug                       | 1       | 28317       |             |             |             |             |             |

\*Use P/N 16884 Bridge for Model 760 with S/N below E-24052