# Illustrated Parts Manual

## *Model*

## *120HX*

**P/N**
**3120820**

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An Oshkosh Truck Corporation Company

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# SECTION 1 FRAME



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FIGURE 1-7. DRIVE MOTOR ASSEMBLY - REXROTH

| FIG & ITEM # | PART NUMBER | DESCRIPTION | QTY. | REV. |
|---|---|---|---|---|
| | | **DRIVE MOTOR ASSEMBLY - REXROTH** | Ref. | |
| | 3160176 | **Prior to July 1995** | Ref. | — |
| | 3160213 | **July 1995 to Present** | Ref. | — |
| 1 | 7012701 | Shaft - 13 Teeth | 1 | |
| 2 | Kit | Seal, Shaft | 1 | |
| 3 | 7012702 | Bearing, Cradle | 2 | |
| 4 | Not Available | Housing | 1 | |
| 5 | 7012703 | Rod, Piston | 1 | |
| 6 | 7012704 | Piston, Stroking | 1 | |
| 7 | Kit | O-Ring | 1 | |
| 8 | 7012705 | Nut, Adaptor | 1 | |
| 9 | 7012706 | Bearing, Roller | 1 | |
| 10 | 7012707 | Bolt, Metric Socket Head M12 x 65 | 4 | |
| 11 | 7012708 | Block, Port | 1 | |
| 12 | 7012709 | Shim | 1 | |
| 13 | 7012710 | Pin, Dowel M6 x 18 | 1 | |
| 14 | Kit | O-Ring | 1 | |
| 15 | 7012711 | Nut, Cap M10 x 1 | 1 | |
| 16 | 7012712 | Screw, Adjusting | 1 | |
| 17 | Kit | O-Ring | 2 | |
| 18 | 7012713 | Nut, Jam M10 x 1 | 1 | |
| 19 | Kit | Rotary Group Assembly | 1 | |
| 20 | Not Available | Plug | 1 | |
| 21 | Kit | Plate, Swash | 1 | |
| 22 | 7012714 | Bearing, Roller | 1 | |
| 23 | 7012715 | V-Ring | 1 | |
| 24 | 7012700 | Control Plate Assembly | 1 | |
| | | — — — — — — — — — — | | |
| | 2900788 | Seal Kit (Includes Items 2,7,14,17 and O-Rings under Item 24) | 1 | |
| | 7012716 | Rotary Group Kit (Includes Items 19 and 21) | 1 | |





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FIGURE 3-3. JIB BOOM INSTALLATION

| FIG & ITEM # | PART NUMBER | DESCRIPTION | QTY. | REV. |
|---|---|---|---|---|
| | | **JIB BOOM INSTALLATION OPTIONS:** | Ref. | |
| | 0252658 | **Prior To S/N 37026** | Ref. | 4 |
| | 0258414 | **S/N 37026 To Present** | Ref. | 1 |
| 1 | | Boom, Jib Options: | 1 | |
| | 0800769 | Prior to S/N 37026 | | |
| | 0801156 | S/N 37026 to Present | | |
| 2 | | Pin (Left Side Attach) Options: | 1 | |
| | 3422041 | Prior to S/N 37026 | | |
| | 3422727 | S/N 37026 to Present | | |
| 3 | 3323403 | Nut, Slotted 1 1/2" x 12NF | 1 | |
| 4 | | Pin (Right Side Attach) Options: | 1 | |
| | 3422053 | Prior to S/N 37026 | | |
| | 3422679 | S/N 37026 to Present | | |
| 5 | 3420592 | Hairpin | 1 | |
| 6 | 3451012 | Pin, Cotter 5/16" x 3" | 1 | |
| 7 | 0901835 | Bracket, Limit Switch | 1 | |
| 8 | 4360277 | Switch, Limit | 1 | |
| 9 | 4360307 | Head, Switch | 1 | |
| 10 | 4460049 | Connector, Strain Relief | 1 | |
| 11 | 0721016 | Screw, Machine #10-24NC x 2" | 2 | |
| 12 | 3311005 | Locknut #10-24NC | 2 | |
| 13 | 4751000 | Flatwasher #10 | 2 | |
| 14 | 0641615 | Bolt 3/8"-16NC x 1 7/8" | 2 | |
| 15 | 3311605 | Locknut | 6 | |
| 16 | 1320184 | Clamp, Hose and Cable | 2 | |
| 17 | 3535978 | Plate | 2 | |
| 18 | 1670635 | Cover, Hose and Cable | 1 | |
| 19 | 4300076 | Stud (Welded on Part) | 4 | |
| 20 | 3311602 | Nut, Jam 3/8"-16NC | 4 | |
| 21 | 4751600 | Flatwasher 3/8" | 4 | |
| 22 | 3532793 | Plate, Hose Cover | 1 | |
| 23 | 4300032 | Stud (Welded on Part) | 4 | |
| 24 | 3311405 | Locknut 1/4"-20NC | 4 | |
| 25 | 4751400 | Flatwasher 1/4" | 4 | |
| 26 | 4060803 | Trim, Flexible | 10 in. | |
| 27 | 2880814 | Keystock (Welded on Part) | 2 | |
| 28 | | Bushing, Garmax | A/R | |
| | Not Required | Prior to S/N 37026 | 0 | |
| | 0962181 | S/N 37026 to Present | 2 | |



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FIGURE 7-3. ELECTRICAL COMPONENTS AND DIAGRAM CHART

| FIG & ITEM # | PART NUMBER | DESCRIPTION | QTY. | REV. |
|---|---|---|---|---|
| | | **ELECTRICAL COMPONENTS AND DIAGRAM CHART** | Ref. | |
| | | **Note: Diagrams with Asterisk (*) are shown in preceding pages. Diagrams not shown are available from the JLG Service Department.** | | |
| | | **Alarm Wiring Diagrams** | Ref. | |
| | 4932507 | **Alarms Electrical Diagram (Travel, Backup, Swing and Descent) (Prior to April 1993)** | Ref. | — |
| | 0610091 | Card, Circuit | 1 | |
| | 3740049 | Relay | 1 | |
| | 4932639/1282091 | **Alarms Electrical Diagram (Backup, Swing and Descent) (April 1993 to Present)** | Ref. | 2/C |
| | 4932638/1282091 | **Alarms Electrical Diagram (Travel) (April 1993 to Present)** | Ref. | 2/C |
| | 3740049 | Relay | 1 | |
| | 3990010 | Diode 6 Amp | 2 | |
| | 1060341 | Cable, Electrical - 16/2 | 11Ft/3.4m | |
| | 0253077 | **Alarm Electrical Diagram (Tilt)** | Ref. | 5 |
| | 0140026 | Alarm | 1 | |
| | 1540002 | Capacitor (Prior to S/N 38697) | 1 | |
| | 4932635 | **Australian Spec Wiring Diagram** | Ref. | D |
| | 1281819 | **Boom Electric Components** | Ref. | H |
| | 1060394 | Cable, Electrical - 10/4 Options: | | |
| | | Prior to S/N 37026 | 140 ft./43m | |
| | | S/N 37026 to Present | 149ft/45.4m | |
| | 1060392 | Cable, Electrical - 16/36 Options: | | |
| | | Prior to S/N 37026 | 140 ft./43m | |
| | | S/N 37026 to Present | 149ft/45.4m | |
| | 4931961 | **Boom Length Indicator Electrical Diagram** | Ref. | 1 |
| | 3730024 | Resistor - 100 ohms/1/2 watt | 1 | |
| | 4932608 | **Broken Chain Indicator Electrical Diagram** | Ref. | B |
| | 4932099 | **Drive Cut-Out Electrical Diagram - 8m (Dutch and German Spec Only (Not Shown)** | Ref. | A |
| | 1060300 | Cable, Electrical - 16/3 | 15 ft./4.6m | |
| | 4120012 | Socket, Relay | 1 | |
| | 3740057 | Relay - 2PDT | 1 | |
| | 3740066 | Spring, Relay | 1 | |
| | 4932312 | **Drive Cut-Out Electrical Diagram - Horizontal (Italian Spec Only) (Not Shown)** | Ref. | A |
| | 4120012 | Socket, Relay | 1 | |
| | 3740057 | Relay - 2PDT | 1 | |
| | 3740066 | Spring, Relay | 1 | |



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