# Illustrated Parts Manual

## *Models*

## *E45A/AJ*
## *E40AJP*
## *E40AJPnarrow*
## *M45A/AJ*
## *M40AJP*
## *M40AJPnarrow*

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| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 31 | | Ref | Hose Clamp Block Options: | |
| 31 | 0561360 | 1 | Hose Clamp Block E45A & M45A | |
| 31 | 0561385 | 1 | Hose Clamp Block E40AJP & M40AJP | |
| 32 | | Ref | Hose Clamp Block Options: | |
| 32 | 0561361 | 1 | Hose Clamp Block E45A & M45A | |
| 32 | 0561386 | 1 | Hose Clamp Block E40AJP & M40AJP | |
| 33 | 0100019 | AR | Loctite #271 (Not Shown) | |
| 34 | | Ref | Clamp Options: | |
| 34 | 1320095 | 1 | Clamp E45A, M45A, E45AJ & M45AJ **(SN 45407 through 49944)** | |
| 34 | Not Required | 0 | Clamp E45A & M45A **(SN 49945 to Present)** | |
| 34 | 1320095 | 1 | Clamp E45AJ & M45AJ **(SN 49945 to Present)** | |
| 34 | Not Required | 0 | Clamp E40AJP & M40AJP | |
| 35 | | Ref | Sleeve Options: | |
| 35 | Not Required | 0 | Sleeve E45A, M45A, E45AJ & M45AJ **(Prior to SN 49945)** | |
| 35 | 4100065 | 1 | Sleeve E45A & M45A **(SN 49945 to Present)** | |
| 35 | Not Required | 0 | Sleeve E45AJ & M45AJ **(SN 49945 to Present)** | |
| 35 | Not Required | 0 | Sleeve E40AJP & M40AJP | |
| | | Ref | **LIMIT SWITCHES INSTALLATION** | |
| | 0254875 | Ref | **Limit Switches Installation E45A & M45A** | 4 |
| | 0253704 | Ref | **Limit Switches Installation E40AJP & M40AJP** | 5 |
| 101 | 4360321 | 2 | Switch, Limit | |
| 102 | 4460428 | 2 | Connector, Strain Relief | |
| 103 | 3311005 | 4 | Locknut #10-24NC | |
| 105 | 3900246 | 2 | Screw, Filister Head #10-24NC x 1 3/4in | |
| 106 | 3900104 | 2 | Screw, Filister Head #10-24NC x 2 1/4in | |
| 107 | 1060341 | AR | Cable, Electrical - 16/2 | |
| 108 | 1670832 | 1 | Cover, Switch Lower Only **(SN 33795 to Present)** | |
| 109 | 1670833 | 1 | Cover, Switch Upper Only **(SN 33795 to Present)** | |



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## FIGURE 7-1. ELECTRICAL DIAGRAM LIST

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | | Ref | **Note: Diagrams with asterisks (*) are not shown in the following pages. Diagrams not shown are available from the JLG Service Department.** | |
| | | Ref | **LIGHTS ELECTRICAL DIAGRAMS** | |
| | 4933102 | Ref | **Headlights and Taillights** | 1-A |
| | 4360336 | 1 | Switch, Toggle (Located on Platform Console Box) | |
| | 3740087 | 1 | Relay (Located in Ground Control Box) | |
| | 4120027 | 1 | Socket, Relay (Located in Ground Control Box) | |
| | 3740063 | 1 | Spring (Located in Ground Control Box) | |
| | 4360448 | 1 | Breaker, Circuit 10 Amp (Located in Ground Control Box) | |
| | 0259305 | Ref | **Strobe Light** | 1 |
| | 1283055 | Ref | **Strobe Light** | B |
| | 4933101 | Ref | **JIB FUNCTION ELECTRICAL DIAGRAM (E45AJ & M45AJ Only)** | 1-A |
| | 0259064 | Ref | **MOTION ALARM ELECTRICAL DIAGRAM** | 1 |
| | 1283055 | Ref | **MOTION ALARM ELECTRICAL DIAGRAM** | B |
| | | Ref | **PLATFORM ELECTRICAL DIAGRAM** | |
| | 4933060 | Ref | Platform Electrical Diagram E45A & M45A | 3-D |
| | 4933105 | Ref | Platform Electrical Diagram E40AJP & M40AJP | 1-A |
| | | Ref | **STANDARD ELECTRICAL DIAGRAMS** | |
| | 4933059 | Ref | Standard Electrical Diagrams E45A & M45A | 3-G |
| | 4933128 | Ref | Standard Electrical Diagrams E40AJP & M40AJP | 2-A |
| | | Ref | **STANDARD ELECTRICAL SCHEMATIC** | |
| | 1870072 | Ref | Standard Electrical Schematic E45A & M45A | D |
| | 1870126 | Ref | Standard Electrical Schematic E40AJP & M40AJP | A |



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## FIGURE 7-4. HARNESS COMPONENTS INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | | Ref | **HARNESS COMPONENTS INSTALLATION** | |
| | | Ref | **PLATFORM BOX ELECTRICAL DIAGRAM** | |
| | 4933060 | Ref | **Platform Box Electrical Diagram A & AJ Models** | 3-D |
| | 4933105 | Ref | **Platform Box Electrical Diagram AJP Models** | 1-A |
| 1 | 4922074 | 1 | Harness, Indicator Lamp | 4-F |
| 1A | 4460265 | 1 | Connector - 9 Position | |
| 1A | 4460227 | 5 | Pin, Male | |
| 1B | 4120035 | 5 | Socket, Lamp | |
| 1C | 4460634 | 6 | Socket (Single Wire) | |
| 1C | 4460635 | 4 | Socket (Two Wire) | |
| 2 | | Ref | Harness, Function Switch | |
| 2 | 4922060 | 1 | Harness, Function Switch A & AJ Models | 2-C |
| 2 | 49223003 | 1 | Harness, Function Switch AJP Models | 5-D |
| 2A | 4460434 | 1 | Connector - 15 Position | |
| 2A | 4460226 | 12 | Pin, Male | |
| 2B | 4460464 | 2 | Pin, Male | |
| 2C | 4460418 | 4 | Connector, Female | |
| 2C | 4460419 | 12 | Terminal | |
| 2D | 4460225 | 1 | Connector - 6 Position (AJP Models Only) | |
| 2D | 4460227 | 5 | Socket, Female | |
| 2E | 4460343 | 1 | Connector - 12 Position (AJP Models Only) | |
| 2E | 4460227 | 10 | Socket, Female | |
| 3 | 4922071 | 1 | Harness, Can Bus | 2-B |
| 3A | 4460321 | 1 | Connector - 4 Position | |
| 3A | 4460227 | 2 | Pin, Male | |
| 3A | 4460267 | 1 | Pin, Male | |
| 3B | 4460464 | 3 | Pin, Male | |
| 4 | 4922118 | 1 | Harness, Box Horn | 2-B |
| 4A | 4460464 | 1 | Pin, Male | |
| 5 | 4922157 | 1 | Harness, Miscellaneous | 3-C |
| 5A | 4460464 | 5 | Pin, Male | |
| 8 | 4922160 | 1 | Harness, Analyzer | 2-B |
| 8A | 4460321 | 1 | Connector - 4 Position | |
| 8A | 4460226 | 4 | Socket, Female | |
| 8B | 4460761 | 1 | Connector, Female - 4 Position | |
| 8B | 4460227 | 4 | Pin, Male | |
| 9 | 1060330 | 7 ft/2.2m | Cable, Electrical - 16/3 | |
| 10 | 2920129 | 3 | Bulb, Light | |
| 11 | 4460464 | 3 | Pin, Male | |
| 12 | 4922307 | 1 | Jib Harness (AJP Models Only) | 3-C |
| 12A | 4460367 | 1 | Connector, Female - 12 Position | |
| 12A | 4460226 | 10 | Socket, Female | |
| 12B | 4460260 | 6 | Connector, Female | |
| 12B | 4460259 | 6 | Terminal | |
| | | Ref | **PLATFORM BOX ASSEMBLY COMPONENTS** | |
| 117 | 4460428 | 1 | Connector, Strain Relief | |
| 133 | 4460752 | 1 | Connector, 14 Position | |
| 134 | 4460497 | 1 | Nut, Conduit | |
| 135 | 4460496 | 1 | Lockwasher, Conduit | |
| 146 | 4460071 | 2 | Connector, Strain Relief | |



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