# Illustrated Parts Manual

## *Models*

## *3369LE*
## *4069LE*
## *M3369*
## *M4069*

Prior to
SN 0200230092

**P/N**
**3121825**

August 31, 2016

CE
CE

An Oshkosh Corporation Company

MidWestTech | JLG 3369LE, 4069LE, M3369, M4069 Scissor Lift Parts Manual | Publication 3121825

Order the manual at mid-west-tech.com >

# TABLE OF CONTENTS


SECTION 1 - FRAME ..... 9

FIGURE 1-1. FRAME AND STEERING INSTALLATION - 2WD ..... 10
FIGURE 1-2. FRAME AND STEERING INSTALLATION - 4WD ..... 12
FIGURE 1-3. DRIVE VALVE ASSEMBLY (4WD ONLY) ..... 14
FIGURE 1-4. REAR AXLE INSTALLATION ..... 16
FIGURE 1-5. TIRE AND WHEEL DRIVE INSTALLATION ..... 20
FIGURE 1-6. DRIVE HUB ASSEMBLY (USA BUILT MACHINES AND ALL BELGIUM BUILT MACHINES) (Prior to SN 0200174517) ..... 24
FIGURE 1-7. DRIVE HUB ASSEMBLY (USA BUILT MACHINES) (SN 0200174517 through 0200230091) ..... 28
FIGURE 1-8. DRIVE MOTOR ASSEMBLY (REAR) ..... 32
FIGURE 1-9. FRONT DRIVE MOTOR ASSEMBLY (4WD ONLY) ..... 34
FIGURE 1-10. YANMAR MOTOR/GENERATOR AND BATTERY CHARGER INSTALLATION (M3369 & M4069 ONLY) ..... 38
FIGURE 1-11. KUBOTA MOTOR/GENERATOR AND BATTERY CHARGER INSTALLATION (M3369 & M4069 ONLY) ..... 44
FIGURE 1-12. BATTERY CHARGER AND INVERTER INSTALLATIONS (3369LE & 4069LE ONLY) ..... 50
FIGURE 1-13. BATTERY CHARGER ASSEMBLY (MAC CHARGER) ..... 54
FIGURE 1-14. BATTERY CHARGER ASSEMBLY (DELTA-Q CHARGER) ..... 56
FIGURE 1-15. INVERTER INSTALLATIONS (3369LE & 4069LE ONLY) ..... 58
FIGURE 1-16. ELECTRICAL COMPONENTS INSTALLATIONS (FRAME MOUNTED) ..... 60
FIGURE 1-17. LADDER AND BEACON INSTALLATIONS ..... 62
FIGURE 1-18. LEVELING JACKS INSTALLATION (OPTIONAL) ..... 64
FIGURE 1-19. COVERS INSTALLATION (FRAME MOUNTED) ..... 68

SECTION 2 - GROUND CONTROLS ..... 71

FIGURE 2-1. RIGHT SIDE COMPONENTS INSTALLATION ..... 72
FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY ..... 76
FIGURE 2-3. GROUND CONTROL BOX ASSEMBLY ..... 78
FIGURE 2-4. LEFT SIDE COMPONENTS INSTALLATION ..... 82
FIGURE 2-5. PUMP ASSEMBLY ..... 84
FIGURE 2-6. BATTERY BOX INSTALLATIONS ..... 86

SECTION 3 - SCISSORS ARMS ..... 89

FIGURE 3-1. SCISSORS ARMS INSTALLATION - 3369LE & M3369 (USA BUILT MACHINES AND ALL BELGIUM BUILT MACHINES) (Prior to SN 0200152398) ..... 90
FIGURE 3-2. SCISSORS ARMS INSTALLATION - 3369LE & M3369 (USA BUILT MACHINES) (SN 0200152398 through 0200230091) ..... 94
FIGURE 3-3. SCISSORS ARMS INSTALLATION - 4069LE & M4069 (USA BUILT MACHINES AND ALL BELGIUM BUILT MACHINES) (Prior to SN 0200152398) ..... 98
FIGURE 3-4. SCISSORS ARMS INSTALLATION - 4069LE & M4069 (USA BUILT MACHINES) (SN 0200152398 through 0200230091) ..... 102
FIGURE 3-5. SCISSORS GUARDS INSTALLATION ..... 106

SECTION 4 - PLATFORM ..... 109

FIGURE 4-1. PLATFORM AND ACCESSORIES INSTALLATION ..... 110
FIGURE 4-2. FOLDDOWN HANDRAILS AND EXTENSION INSTALLATION (MANUALLY OPERATED PLATFORM) ..... 114
FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLY ..... 118
FIGURE 4-4. DRIVE/STEER CONTROLLER ASSEMBLY (Prior to SN 0200142020, SN 1200000100 through 0200230091) ..... 122
FIGURE 4-5. DRIVE/STEER CONTROLLER ASSEMBLY (SN 0200142020 through 0200230091) ..... 124

SECTION 5 - CYLINDER ..... 127

FIGURE 5-1. AXLE LOCKOUT CYLINDER ASSEMBLY ..... 128
FIGURE 5-2. LEVELING JACK CYLINDER ASSEMBLY (USA BUILT MACHINES) (Prior to SN 0200104829) ..... 130
FIGURE 5-3. LEVELING JACK CYLINDER ASSEMBLY (SN 0200104829 through 0200112734, SN 1200000100 through 0200230091) ..... 132
FIGURE 5-4. LEVELING JACK CYLINDER ASSEMBLY (USA BUILT MACHINES) (ORIGINAL EQUIPMENT) (SN 0200112735 through 0200214444) ..... 134
FIGURE 5-5. LEVELING JACK CYLINDER ASSEMBLY (USA BUILT MACHINES) (SERVICE REPLACEMENT) (SN 0200214444 through 0200230091) ..... 136
FIGURE 5-6. LIFT CYLINDER COMPONENTS ASSEMBLY - 3369LE & M3369 ..... 138
FIGURE 5-7. LIFT CYLINDER COMPONENTS ASSEMBLY - 4069LE & M4069 ..... 142
FIGURE 5-8. STEER CYLINDER ASSEMBLY ..... 146





MidWestTech | JLG 3369LE, 4069LE, M3369, M4069 Scissor Lift Parts Manual | Publicatio... Order the manual at mid-west-tech.com >

# TABLE OF CONTENTS

SECTION 6 - HYDRAULIC ..... 149

FIGURE 6-1. HYDRAULIC DIAGRAM - FIXED AXLE ..... 150
FIGURE 6-2. HYDRAULIC DIAGRAM - OSCILLATING AXLE ..... 152
FIGURE 6-3. HYDRAULIC DIAGRAM - 4WD (OPTIONAL) ..... 156
FIGURE 6-4. HYDRAULIC DIAGRAM - LEVELING JACKS (OPTIONAL) ..... 158
FIGURE 6-5. HYDRAULIC DIAGRAM LIST ..... 160

SECTION 7 - ELECTRICAL ..... 161

FIGURE 7-1. ELECTRICAL SCHEMATIC ..... 162
FIGURE 7-2. STANDARD ELECTRICAL COMPONENTS INSTALLATION (WITH MAC CHARGER) ..... 164
FIGURE 7-3. STANDARD ELECTRICAL COMPONENTS INSTALLATION (WITH DELTA-Q CHARGER) ..... 172
FIGURE 7-4. OPTIONAL ELECTRICAL COMPONENTS INSTALLATION ..... 180

SECTION 8 - DECALS ..... 187

FIGURE 8-1. DECAL INSTALLATION (USA BUILT MACHINES AND ALL BELGIUM BUILT MACHINES) (Prior to SN 0200150261) ..... 188
FIGURE 8-2. DECAL INSTALLATION (USA BUILT MACHINES) (SN 0200150261 through 0200230091) ..... 194

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK ..... 197

FIGURE 9-1. MODELS 3369LE/M3369/4069LE/M4069 STANDARD PARTS ..... 198
FIGURE 9-2. MODELS 3369LE/M3369/4069LE/M4069 VARIABLE PARTS ..... 200

SECTION 10 - SPECIAL OPTIONS ..... 201

FIGURE 10-1. SPECIAL OPTIONS ..... 202

PART NUMBER INDEX ..... 205



MidWestTech | JLG 3369LE, 4069LE, M3369, M4069 Scissor Lift Parts Manual | Publicatio... Order the manual at mid-west-tech.com >

## FIGURE 1-9. FRONT DRIVE MOTOR ASSEMBLY (4WD ONLY)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | | Ref | **DRIVE MOTOR ASSEMBLY** | |
| | 3160245 | Ref | **Right Side** | E |
| | | Ref | **Left Side Options:** | |
| | 3160267 | Ref | **USA Built Machines (Prior to SN 0200196451)** | F |
| | 1001101934 | Ref | **USA Built Machines (SN 0200196451 through 0200230091)** | D |
| | 3160267 | Ref | **Belgium Built Machines** | F |
| 1 | | Ref | Front Housing Assembly | |
| 1 | See Note | NSS | 3160245 & 3160267 Motors (Note: See 101-108 for Breakdown) | |
| 1 | 7024963 | 1 | 1001101934 Motor (Note: See 101-108 for Breakdown) | |
| 2 | | Ref | Rotary Assembly Options: | |
| 2 | See Note | NSS | Assembly for 3160245 & 3160267 Motors (Note: Purchase Complete Motor Assembly) | |
| 2 | 70002261 | 1 | Assembly for 1001101934 Motor | |
| 2A | See Note | NSS | Rotary without Cam (Note: See Item 2) | |
| 2B | | Ref | Cam Options: | |
| 2B | See Note | NSS | Cam for 3160245 & 3160267 Motors (Note: See Item 2) | |
| 2B | 70002262 | 1 | Cam for 1001101934 Motor | |
| 3 | | Ref | Rear Housing Assembly | |
| 3 | See Note | NSS | 3160245 & 3160267 Motors (Note: See 201-208 for Breakdown) | |
| 3 | 70002263 | 1 | 1001101934 Motor (Note: See 201-208 for Breakdown) | |
| 4 | See Note | 2 | Seal, Square (Note: Use Item 300) | |
| 5 | | Ref | Capscrew | |
| 5 | See Note | NSS | 3160245 & 3160267 Motors (Note: Purchase Locally) | |
| 5 | 70001091 | 6 | 1001101934 Motor | |
| 9 | 7023806 | 5 | Lugnut | |
| 10 | 7023807 | 5 | Stud, Wheel | |
| 16 | 7024008 | 1 | Seal, Square | |
| 17 | 7024007 | 1 | Plate, Rear Cover | |
| 18 | | Ref | Capscrew Options: | |
| 18 | 7024009 | 8 | 3160245 & 3160267 Motors | |
| 18 | 70002264 | 8 | 1001101934 Motor | |
| 19 | | Ref | Sensor, Speed Options (Not Shown - Left Hub Only): | |
| 19 | | Ref | Sensor Options for 3160267 Motors: | |
| 19 | 7024033 | 1 | Sensor with 3 Pin Connector | |
| 19 | 7024928 | 1 | Sensor with 4 Pin Connector | |
| 19 | 70002265 | 1 | Sensor for 1001101934 Motor | |
| | | Ref | **FRONT HOUSING ASSEMBLY** | |
| 101 | | Ref | Shaft Options: | |
| 101 | 7022586 | 1 | 3160245 & 1001101934 Motors | |
| 101 | See Note | NSS | 3160267 Motor (Note: Purchase Complete Motor Assembly) | |
| 102 | See Note | 1 | Seal, Face (Note: Use Item 300) | |
| 103 | | Ref | Bearing, Front Options: | |
| 103 | 7022587 | 1 | 3160245 & 1001101934 Motors | |
| 103 | See Note | NSS | 3160267 Motor (Note: Purchase Complete Motor Assembly) | |
| 104 | | Ref | Casting, Front Options: | |
| 104 | See Note | NSS | 3160245 & 3160267 Motors (Note: Purchase Complete Motor Assembly) | |
| 104 | See Note | NSS | 1001101934 Motor (Note: Use Item 1) | |



MidWestTech | JLG 3369LE, 4069LE, M3369, M4069 Scissor Lift Parts Manual | Publicatio... Order the manual at mid-west-tech.com >

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 37 | See Item 34 | 1 | Dutch, French, German, Italian and Spanish Specs | |
| 38 | | Ref | Decal - Battery Charger Instructions | |
| 38 | 1704248 | 1 | Australian and UK Specs | |
| 38 | 1706492 | 1 | Finnish and Pictogram Specs | |
| 38 | 1705259 | 2 | Norwegian Spec | |
| 38 | See Item 10 | 1 | Dutch, French, German, Italian and Spanish Specs | |
| 39 | | Ref | Decal - Caution Options: | |
| 39 | Not Required | 0 | Australian, Finnish, Norwegian, Pictogram and UK Specs | |
| 39 | 1704649 | 1 | Dutch Spec | |
| 39 | 1704626 | 1 | French Spec | |
| 39 | 1704674 | 1 | German Spec | |
| 39 | 1704673 | 1 | Italian Spec | |
| 39 | 1704672 | 1 | Spanish Spec | |
| | | Ref | Decal Kit Options: | |
| | 2901912 | 1 | Master Kit (Includes Items 19-25) | |
| | | Ref | Multi-Color Kit Options: | |
| | 2902040 | 1 | Australian Spec (Includes Items 36-38) | |
| | 2901927 | 1 | Dutch Spec (Includes Items 36 & 39) | |
| | Not Available | 1 | Finnish Spec | |
| | 2901924 | 1 | French Spec (Includes Items 36 & 39) | |
| | 2901929 | 1 | German Spec (Includes Items 36 & 39) | |
| | 2901928 | 1 | Italian Spec (Includes Items 36 & 39) | |
| | Not Available | | Norwegian Spec | |
| | 2901925 | 1 | Spanish Spec (Includes Items 36 & 39) | 3 |
| | 2902040 | 1 | UK English Spec (Includes Items 36-38) | |
| | 0010572 | Ref | **OPTIONAL DECAL INSTALLATIONS** | |
| | | Ref | **Note: Refer to Outrigger Installation in FRAME SECTION for Outrigger Decals.** | |
| 102 | | Ref | Decal - Biodegradable Oil (Optional) | |
| 102 | 1704174 | 1 | All except German Spec | |
| 102 | 1704175 | 1 | German Spec | |
| 105 | | Ref | Decal - Capacity Options: | |
| 105 | 1704530 | 1 | 3369LE & M3369 (450KG) | |
| 105 | 1706491 | 1 | 3369LE with 60kph Wind Limitation (450KG) | |
| 105 | 1704580 | 1 | 4069LE & M4069 (380KG) | |
| 106 | 1704998 | 2 | Decal - All Wheel Drive (4WD Only) | |
| 107 | | Ref | Decal - Model Options: | |
| 107 | 1704783 | 2 | 3369LE | |
| 107 | 1704784 | 2 | 4069LE | |
| 107 | 1704908 | 2 | M3369 | |
| 107 | 1704909 | 2 | M4069 | |
| 108 | | Ref | Decal - Maximum Tire Load Options: | |
| 108 | 1703490 | 4 | 3369LE & M3369 | |
| 108 | 1704953 | 4 | 4069LE & M4069 | |
| 109 | 1001093687 | 1 | Decal - Generator (M3369 & M4069 Only) (Supersedes all Prior Specs - p/n 1704286, 1704360, 1704358, 1704361, 1704359, 1705260 & 1704362) | |
| 110 | 0270262 | Ref | JLG Decals Installation | B |
| 110A | 1702773 | 3 | Decal - JLG | |
| 110B | 1704885 | 3 | Decal - Web Page | |
| 112 | 0270788 | Ref | M3369 & M4069 Decal Installation | J |
| 112 | 0274684 | Ref | M3369 & M4069 Decal Installation | C |



MidWestTech | JLG 3369LE, 4069LE, M3369, M4069 Scissor Lift Parts Manual | Publicatio... Order the manual at mid-west-tech.com >

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001177623 | Ref | Platform Padding, Deck Bumpers Installation and Soft Touch Switches | |
| | | Ref | **Platform Worklights Installations** | |
| | 0271125 | Ref | **Platform Worklights Installations 3369LE & M3369** | |
| | 0271126 | Ref | **Platform Worklights Installations 4069LE & M4069** | |
| | 1001100007 | Ref | **Programmable Security Lock Installation** | |
| | 1001099389 | 1 | Lock, Programmable Security | |
| | 1001100008 | 1 | Bracket | |
| | 1001100935 | 1 | Harness, Programmable Security Lock | |
| | 1001185245 | Ref | **Soft Touch Ground Harness Installation** | |
| | 1001197711 | Ref | **Telematics Harness** | |
| | | Ref | **Tie Strap Installations** | |
| | | Ref | **Tie Strap Installations 3369LE & M3369** | |
| | 0270606 | Ref | **USA Built Machines (Prior to SN 0200112285)** | |
| | 0272946 | Ref | **USA Built Machines (SN 0200112285 through 0200230091)** | |
| | 0270606 | Ref | **Belgium Built Machines (Prior to SN 1200001088)** | |
| | 0272946 | Ref | **Belgium Built Machines (SN 1200001088 to Present)** | |
| | | Ref | **Tie Strap Installations 4069LE & M4069** | |
| | 0270607 | Ref | **USA Built Machines (Prior to SN 0200112285)** | |
| | 0272947 | Ref | **USA Built Machines (SN 0200112285 through 0200230091)** | |
| | 0270607 | Ref | **Belgium Built Machines (Prior to SN 1200001088)** | |
| | 0272947 | Ref | **Belgium Built Machines (SN 1200001088 to Present)** | |
| | | Ref | **Tools For Service:** | |
| | 7002828 | 1 | Wire Stripper | |
| | 7002821 | 1 | Wire Crimper (To install wire ends to wires) | |
| | 7002823 | 1 | Pin/Socket Extractor - Universal (To Remove Pins/Sockets from Connectors) | |
| | 4460467 | 1 | Extractor - 16-18 Gauge (For Removal of Pins/Sockets for Deutsch Connectors) | |
| | 4460510 | 1 | Extractor - 12-14 Gauge (For Removal of Pins/Sockets for Deutsch Connectors) | |
| | 7002822 | 1 | Screwdriver, Potentiometer (To Adjust Drive Controller) | |
| | 7016654 | 1 | Screwdriver, Magnetic | |
| | 7004275 | 1 | Seal Installation Tool - 1in | |
| | 7004276 | 1 | Seal Installation Tool - 1 1/2in | |
| | 7002826 | 1 | Seal Installation Tool - 2in | |
| | 2900838 | 1 | U.S. Standards Fastener (Hardware) Kit | |
| | 7014676 | 1 | U.S. Standards Tool Kit | |
| | 2901443 | 1 | Analyzer Kit | |
| | 2915230 | 1 | Battery Charger Reprogram Controller | |
| | 1001137005 | 1 | Software USB Cable Kit | |



MidWestTech | JLG 3369LE, 4069LE, M3369, M4069 Scissor Lift Parts Manual | Publicatio... Order the manual at mid-west-tech.com >