



# MASTER CHECK SHEET PARTS MANUAL INDEX

DATE: 12-Sep-00  
REVISED: 09-May-02

Revision Level : N

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MODEL: L90S  
SERIAL NO: 039314

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## GENERAL INFORMATION

## SECTION 1

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| <b>1-1</b> | <b>General</b>                      |
| 80-035     | How to Read Your Master Check Sheet |
| -----      | Master Check Sheet                  |
| <b>1-2</b> | <b>Operation</b>                    |
| 80-007A    | Procedure For Ordering Parts        |

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## POWER UNIT

## SECTION 2

|            |                                 |
|------------|---------------------------------|
| <b>2-1</b> | <b>Engine</b>                   |
| 577733     | Power Unit                      |
| 245119     | Engine, CAT 3406 DITA           |
|            | S/N: 3ER03252                   |
|            | Perf Spec.: 2T-7797             |
|            | Arrangement #: 124-7634         |
| <b>2-3</b> | <b>Lubrication</b>              |
| 576917     | Dipstick & Housing Installation |
| 572915     | Engine Oil Fill                 |
| <b>2-4</b> | <b>Fuel</b>                     |
| 558024     | Fuel System Plumbing            |
| <b>2-5</b> | <b>Air Intake &amp; Exhaust</b> |
| 578378     | Air Cleaner Installation        |
| 561607     | Exhaust System                  |
| 224214     | Air Cleaner                     |
| <b>2-6</b> | <b>Cooling</b>                  |
| 568851     | Radiator Assembly               |
| 239917     | Radiator                        |
| <b>2-7</b> | <b>Miscellaneous</b>            |
| 572690     | A/C Compressor Installation     |
| 569673     | Alternator Installation         |
| 526723     | Cold Start Installation         |
| 214748     | Cold Start Kit                  |

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## DRIVETRAIN

## SECTION 3

|            |                         |
|------------|-------------------------|
| <b>3-1</b> | <b>General</b>          |
| 577763     | Drivetrain Installation |



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## DRIVETRAIN

SECTION 3

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|------------|-----------------------------------|
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| 578292     | Transmission Circuit              |
| 578286     | Transmission Installation         |
| 244178     | Transmission                      |
| 239794     | Converter                         |
| 232904     | Shift Valve Module - 24V          |
| 219271     | Transmission Filter               |
| <b>3-3</b> | <b>Drivelines</b>                 |
| 243568     | Driveline Assembly                |
| 243560     | Driveline Assembly                |
| <b>3-4</b> | <b>Axles</b>                      |
| 577696     | Tailfork Installation             |
| 576742     | Drive Axle Installation           |
| 570733     | Disc Brake Caliper Assembly       |
| 569926     | Disc Brake Caliper Assembly       |
| 561614     | Parking Brake Installation        |
| 240438     | Differential & Carrier            |
| 239696     | Wheel End and Differential Kit    |
| 211953     | Planet Carrier Assembly           |
| 201087     | Parking Brake                     |
| <b>3-5</b> | <b>Wheels &amp; Tires</b>         |
| 540664     | Front Wheel                       |
| 511427     | Wheel Assembly, Rear              |

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## AIR & BRAKE SYSTEMS

SECTION 4

|            |                           |
|------------|---------------------------|
| <b>4-1</b> | <b>Systems</b>            |
| 578071     | Air System - Vehicle      |
| 574002     | Hydraulic System - Brakes |
| <b>4-2</b> | <b>Modules</b>            |
| 577399     | Air Valve Module          |
| 574071     | Air Tank Module III       |
| 572646     | Air Dryer Module          |
| 572227     | Treadle Module            |
| 570028     | Brake Relay Module, LH    |
| 570027     | Brake Relay Module, RH    |
| 544996     | Air Governor & Fittings   |
| 543583     | Brake Valve Module        |



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## AIR & BRAKE SYSTEMS

## SECTION 4

|            |                            |
|------------|----------------------------|
| <b>4-3</b> | <b>Supply Components</b>   |
| 570023     | Air Tank Assembly, II      |
| 545557     | Air Tank Assembly          |
| 226349     | Air Dryer                  |
| 217734     | Expello Valve (12V)        |
| <b>4-4</b> | <b>Control Components</b>  |
| 233035     | Treadle Valve              |
| 218928     | Brake Valve                |
| 216615     | Relay Valve                |
| 211315     | Relay Valve                |
| <b>4-5</b> | <b>Actuator Components</b> |
| 222331     | Master Cylinder            |
| 222010     | Air Brake Chamber, Service |
| 220267     | Brake Actuator Assembly    |
| 217201     | Brake Air Chamber, Parking |
| <b>4-6</b> | <b>Miscellaneous</b>       |
| 509574     | Air Hose Kit               |

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## HYDRAULIC SYSTEM

## SECTION 5

|            |  |
|------------|--|
| <b>5-1</b> | <b>Systems &amp; Circuits</b>            |
| 577744     | Hydraulic System - Chassis               |
| 576380     | Hydraulic System - Seat Mounted Controls |
| 575661     | Hydraulic System - Boom                  |
| 574699     | Hydraulic System - Cowl To Valves        |
| 574507     | Hydraulic System - Carriage              |
| 569860     | Hydraulic System - Steering              |
| 566611     | Hydraulic System - Hoist & Tilt          |
| <b>5-2</b> | <b>Pumps</b>                             |
| 245290     | Hydraulic Pump                           |
| 245289     | Tandem Pump                              |
| 239790     | Pump, Brake/Pilot                        |



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## HYDRAULIC SYSTEM

SECTION 5

|            |                                |
|------------|--------------------------------|
| <b>5-3</b> | <b>Valves</b>                  |
| 577743     | Valve Module                   |
| 566303     | Holddown/Kickoff Valve         |
| 239798     | Remote Control Valve           |
| 237237     | Valve, Control                 |
| 234082     | Steering Flow Amplifier        |
| 234081     | Steering Control Unit          |
| 230905     | Solenoid Valve                 |
| 229439     | Hoist & Tilt Valve             |
| <b>5-4</b> | <b>Cylinders</b>               |
| W6882      | Hydraulic Cylinder             |
| W10970     | Steering Cylinder              |
| W10390     | Hydraulic Cylinder, Hoist      |
| 558685     | Hydraulic Cylinder             |
| 526164     | Hydraulic Cylinder, HD & KO    |
| <b>5-5</b> | <b>Filters</b>                 |
| 243457     | Return Filter (In-Tank)        |
| 228201     | High Pressure Filter (100 Gpm) |
| 228200     | High Pressure Filter (40 Gpm)  |

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## ELECTRICAL SYSTEM

SECTION 6

|            |                                    |
|------------|------------------------------------|
| <b>6-1</b> | <b>Systems &amp; Circuits</b>      |
| 539396     | Reverse Alarm Circuit              |
| <b>6-2</b> | <b>Components</b>                  |
| 578073     | Terminal Panel Assembly            |
| 577583     | Junction Box Assembly              |
| 576827     | Carriage Lights                    |
| 576826     | Rear Cab Lights                    |
| 576825     | Cab Lights                         |
| 576822     | Light Bar Installation             |
| 575133     | Chassis Wiring                     |
| 574276     | Linear Actuator, Rotating Platform |
| 234183     | Alternator                         |



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## CAB & COWL

## SECTION 7

|            |                                      |
|------------|--------------------------------------|
| <b>7-1</b> | <b>Basic Structure</b>               |
| 578376     | Cowl Assembly                        |
| 576357     | Cab Assembly                         |
| 572039     | Door Assembly, LH                    |
| 572038     | Door Assembly, RH                    |
| 570581     | Floor Mat Installation               |
| 570421     | Cab & Cowl Insulation                |
| 568456     | Door Latch, RH                       |
| 568431     | Door Latch, LH                       |
| <b>7-2</b> | <b>Instruments &amp; Controls</b>    |
| 577626     | Speed Selector Assembly              |
| 577625     | Steering Column                      |
| 577584     | Instrument Panel Assembly            |
| 572604     | Instrument Panel - Dash              |
| 572426     | Pedal Assembly                       |
| 567756     | Engine Controls                      |
| 224174     | Accelerator Pedal                    |
| <b>7-3</b> | <b>Miscellaneous</b>                 |
| W10822     | Windshield Wiper Installation, Front |
| 578265     | Air Conditioner/Heater Installation  |
| 576663     | Windshield Wiper Installation        |
| 573463     | Defroster Fan Installation           |
| 243290     | Seat Suspension                      |
| 239727     | Seat w/ Lumbar Support               |
| 238382     | Air Conditioner/Heater               |

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## FRAME & ATTACHMENTS

## SECTION 8

|            |                                |
|------------|--------------------------------|
| <b>8-1</b> | <b>Frame &amp; Attachments</b> |
| 577738     | Chassis Assembly               |
| 577734     | Carriage Assembly              |
| 570709     | Boom Assembly                  |
| 564345     | Auxiliary Step                 |
| <b>8-2</b> | <b>Miscellaneous</b>           |
| 551550     | Battery Box                    |



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## ACCESSORIES & OPTIONS

## SECTION 9

9-1

### Accessories & Options

574848

Remote Lube, Carriage

561627

Fire Suppression System