# 85XT/90XT/95XT
# SKID STEER

## Service Manual

**7-52254**

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# 85XT/90XT/95XT Skid Steers
# Service Manual
# 7-52254
# Table of Contents


| Description | Section No. | Form No. |
|---|---|---|
| **General** | **Tab 1** | |
| Section Index - General | | 7-52922 |
| Standard Torque Specifications | 1001 | 7-52930 |
| Fluids and Lubricants | 1002 | 7-52943 |
| Metric Conversion Chart | 1003 | 7-52950 |
| Loctite Product Chart | | 8-98902 |
| | | |
| **Engines** | **Tab 2** | |
| Section Index - Engines | | 7-52982 |
| Engine and Radiator Removal and Installation | 2000 | 7-53000 |
| Aftercooler | 2411 | 7-43512 |
| Cylinder Head and Valve Train | 2415 | 8-24175 |
| Cylinder Block | 2425 | 8-24185 |
| Lubrication System | 2445 | 8-24195 |
| Cooling System | 2455 | 8-24205 |
| Turbocharger | 2465 | 8-25552 |
| Turbocharger Failure Analysis | 2565 | 9-78235 |
| | | |
| **Fuel System** | **Tab 3** | |
| Section Index - Fuel System | | 7-53020 |
| Fuel System and Filters | 3410 | 8-24213 |
| Fuel Injectors | 3413 | 8-24235 |
| Bosch Model VE Fuel Injection Pump | 3415 | 7-37143 |
| **Electrical** | **Tab 4** | |
| Section Index - Electrical | | 7-53032 |
| Electrical "How It Works" | 4000 | 7-53043 |
| Electrical "How It Works"<br>(85XT Machines With P.I.N. JAF0352234 And After)<br>(90XT Machines With P.I.N. JAF0320050 And After)<br>(95XT Machines With P.I.N. JAF0311357 And After) | 4000 | 6-75150 |
| Removal and Installation of Electrical Components | 4001 | 7-53050 |
| Electrical Specifications and Troubleshooting | 4002 | 7-53562 |
| Electrical Specifications, Troubleshooting, and Schematics | 4002 | 6-75160 |


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# 85XT/90XT/95XT Skid Steers
# Service Manual
# 7-52254
# Table of Contents


| Description | Section No. | Form No. |
|---|---|---|
| Battery | 4005 | 7-51310 |
| Starter and Starter Solenoid | 4006 | 7-53090 |
| Alternator | 4007 | 7-53100 |
| | | |
| **Power Train** | **Tab 6** | |
| Section Index - Power Train | | 7-53113 |
| Hydrostatic How It Works | 6000 | 7-53123 |
| Removal and Installation of Power Train Components | 6001 | 7-53131 |
| Removal and Installation of Power Train Components (85XT Machines With P.I.N. JAF0352234 And After) (90XT Machines With P.I.N. JAF0320050 And After) (95XT Machines With P.I.N. JAF0311357 And After) | 6001 | 6-75230 |
| Hydrostatic Troubleshooting | 6002 | 7-53582 |
| Drive Coupling | 6003 | 7-53141 |
| Piston Pumps - Tandem Pump (M51) | 6004 | 7-53151 |
| Drive Motors - 90XT and 95XT | 6005 | 7-53160 |
| Drive Motors - 85XT | 6005 | 7-53171 |
| Gear Box | 6006 | 7-52890 |
| Sprockets, Chains, and Axle Assemblies | 6007 | 7-52732 |
| Solenoid Valve for Two Speed Drive Motor | 6008 | 7-52900 |
| Accumulator for Charge Circuit | 6009 | 7-53331 |
| Accumulator for Charge Circuit (90XT Machines With P.I.N. JAF0298607 And After) (95XT Machines With P.I.N. JAF0299000 And After) | 6009 | 6-75220 |
| Wheels and Tires | 6011 | 7-53181 |
| | | |
| **Brakes** | **Tab 7** | |
| Section Index - Brakes | | 7-53192 |
| How It Works | 7000 | 7-54861 |
| Brake - 85XT (Machines Before PIN JAF0273132) | 7003 | 7-54771 |
| Brake - 85XT (Machines With PIN JAF0273132 And After) | 7003 | 6-41380 |
| Brake - 90XT and 95XT | 7003 | 7-52882 |
| Brake Pump | 7004 | 7-54710 |
| | | |
| **Hydraulics** | **Tab 8** | |
| Section Index - Hydraulics | | 7-53213 |
| "How It Works" | 8000 | 7-53222 |



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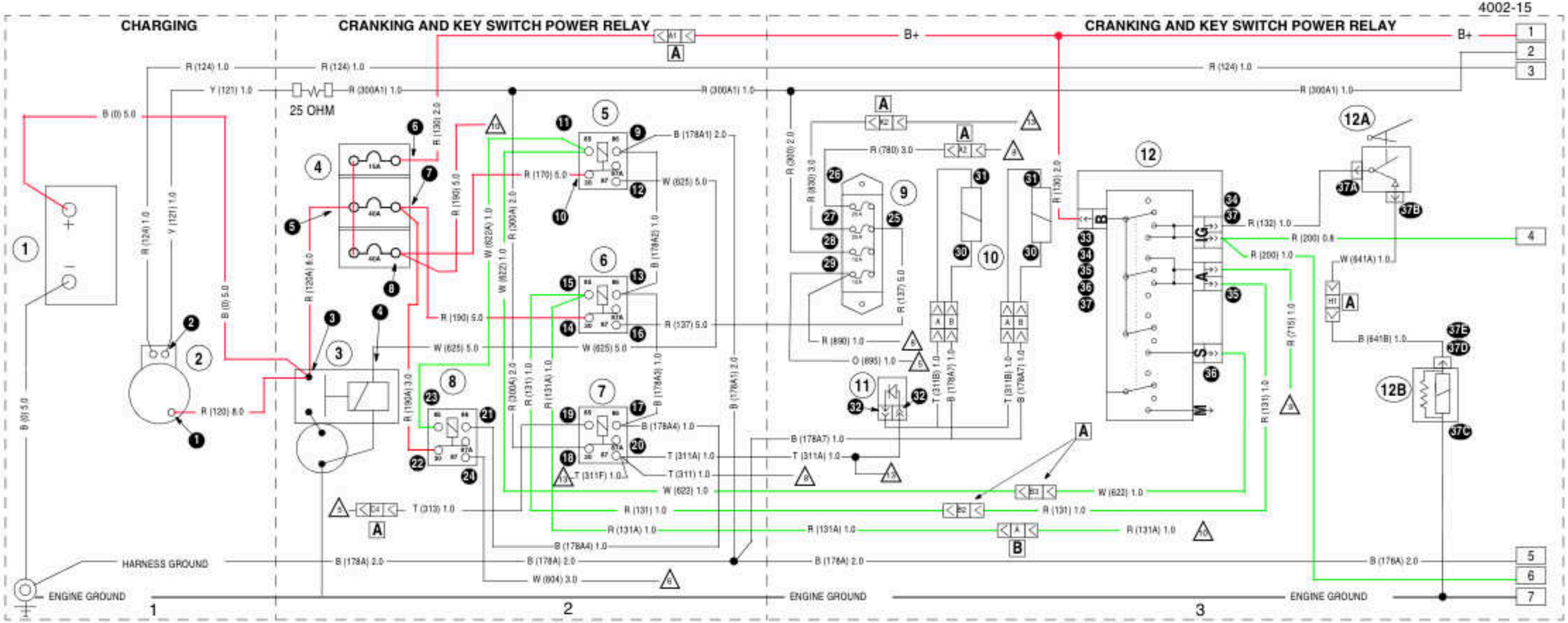
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# 85XT/90XT/95XT Skid Steers
# Service Manual
# 7-52254
# Table of Contents


| Description | Section No. | Form No. |
|---|---|---|
| Hydraulic System "How It Works"<br>(85XT Machines With P.I.N. JAF0352234 And After)<br>(90XT Machines With P.I.N. JAF0320050 And After)<br>(95XT Machines With P.I.N. JAF0311357 And After) | 8000 | 6-74410 |
| Hydraulic System Troubleshooting | 8001 | 7-53230 |
| Hydraulic System Troubleshooting<br>(85XT Machines With P.I.N. JAF0352234 And After)<br>(90XT Machines With P.I.N. JAF0320050 And After)<br>(95XT Machines With P.I.N. JAF0311357 And After) | 8001 | 6-75180 |
| Cleaning the Hydraulic System and Hydrostatic System | 8002 | 7-53240 |
| Removal and Installation of Hydraulic Components | 8003 | 7-53250 |
| Removal and Installation of Hydraulic Components<br>(85XT Machines With P.I.N. JAF0352234 And After)<br>(90XT Machines With P.I.N. JAF0320050 And After)<br>(95XT Machines With P.I.N. JAF0311357 And After) | 8003 | 6-75200 |
| Gear (Equipment) Pump | 8004 | 7-53261 |
| Loader Control Valve | 8005 | 7-53280 |
| Loader Control Valve (2 Spool Valve)<br>(85XT Machines With P.I.N. JAF0352234 And After)<br>(90XT Machines With P.I.N. JAF0320050 And After)<br>(95XT Machines With P.I.N. JAF0311357 And After)<br><br>Loader Control Valve (Bi-Directional Self Leveling Valve)<br>(85XT Machines With P.I.N. JAF0352234 And After)<br>(95XT Machines With P.I.N. JAF0311357 And After) | 8005 | 6-74400 |
| Cylinders | 8006 | 7-53291 |
| Optional High Pressure High Flow Pump (Piston Pump) | 8007 | 7-53300 |
| Optional Low Pressure High Flow Pump (Gear Pump) | 8008 | 7-53310 |
| Control Valve for Low Pressure High Flow System | 8009 | 7-53320 |
| Self-Leveling Valve | 8010 | 7-53780 |
| **Hydraulics, Cont.** | **Tab 8** | |
| Solenoid Valve for Hydraulic Coupler System | 8011 | 7-54700 |
| D125 Backhoe Control Valve - North American Only | 8012 | 7-54690 |
| Accumulator for Ride Control | 8013 | 7-53060 |
| Flat Faced Couplers | 8014 | 7-54740 |
| Solenoid Valve for High Pressure High Flow System (Piston Pump) | 8020 | 7-53790 |
| | | |
| **Mounted Equipment** | **Tab 9** | |
| Section Index - Mounted Equipment | | 7-53343 |
| Pedals and Levers | 9001 | 7-53611 |
| Loader | 9002 | 7-53360 |
| Attachment Coupler | 9003 | 7-53370 |


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## Components

1. Battery
2. Alternator
3. Starter
4. Buss Bar (Circuit Breaker)
5. Starter Relay
6. Main Power Relay
7. Interlock Relay
8. Fuel Solenoid Pull-in Relay
9. Fuse Block
10. Loader Valve Solenoids
11. Diode
12. Key Switch

12A. Thermostart Switch

12B. Thermostart Coil

## Circuits

| NO. | GA. | COLOR | FROM: | TO: |
|---|---|---|---|---|
| 0 | 5.0 | Black | Chassis Ground | Battery (-) |
| 0 | 5.0 | Red | Battery (+) | Starter (+) |
| 120 | 8.0 | Red | Starter (+) | Alternator |
| 120A | 8.0 | Red | Starter (+) | Buss Bar |
| 121 | 1.0 | Yellow | Alternator Resistor | Alternator Field Excite Terminal |
| 124 | 1.0 | Red | Alternator Tachometer Terminal | 30 Pin Connector |
| 131 | 1.0 | Red | Key Switch | Main Power Relay |
| 131A | 1.0 | Red | Main Power Relay | Connector B and Accessory Power Relay |
| 132 | 1.0 | Red | Ignition Switch | Thermostart Switch |

## Circuits

| NO. | GA. | COLOR | FROM: | TO: |
|---|---|---|---|---|
| 137 | 5.0 | Red | Main Power Relay | Fuse Block |
| 170 | 5.0 | Red | Buss Bar, 40 Ampere Circuit Breaker | Starter Relay |
| 170A | 5.0 | Red | Buss Bar, 40 Ampere Circuit Breaker | Accessory Power Relay |
| 178A | 2.0 | Black | Chassis Ground Terminal | Chassis Ground |
| 178A1 | 2.0 | Black | Starter Relay (-) | Chassis Ground Terminal |
| 178A2 | 1.0 | Black | Main Power Relay (-) | Starter Relay (-) |
| 178A4 | 1.0 | Black | Fuel Solenoid Pull-in Relay | Interlock Relay (-) |
| 190 | 5.0 | Red | Buss Bar 40 Ampere Circuit Breaker | Main Power Relay |
| 190A | 3.0 | Red | Buss Bar 40 Ampere Circuit Breaker | Fuel Solenoid Pull-in Relay |
| 200 | 0.8 | Red | Key Switch | 10 Pin LH Instrument Cluster Connector |
| 200 | 1.0 | Red | Key Switch | 8 Pin RH Instrument Cluster Connector (Ignition Power-IN) |
| 300 | 2.0 | Red | Fuse Block, 10 ampere fuse | Splice |
| 300A | 2.0 | Red | Splice | Interlock Relay |
| 300A1 | 1.0 | Red | Splice | Alternator Resistor |
| 311 | 1.0 | Tan | Interlock Relay | LH Handle 4 Pin Connector |
| 313 | 1.0 | Tan | Interlock Relay | Seat Bar Switch and 8 Pin RH Instrument Cluster |

## Circuits

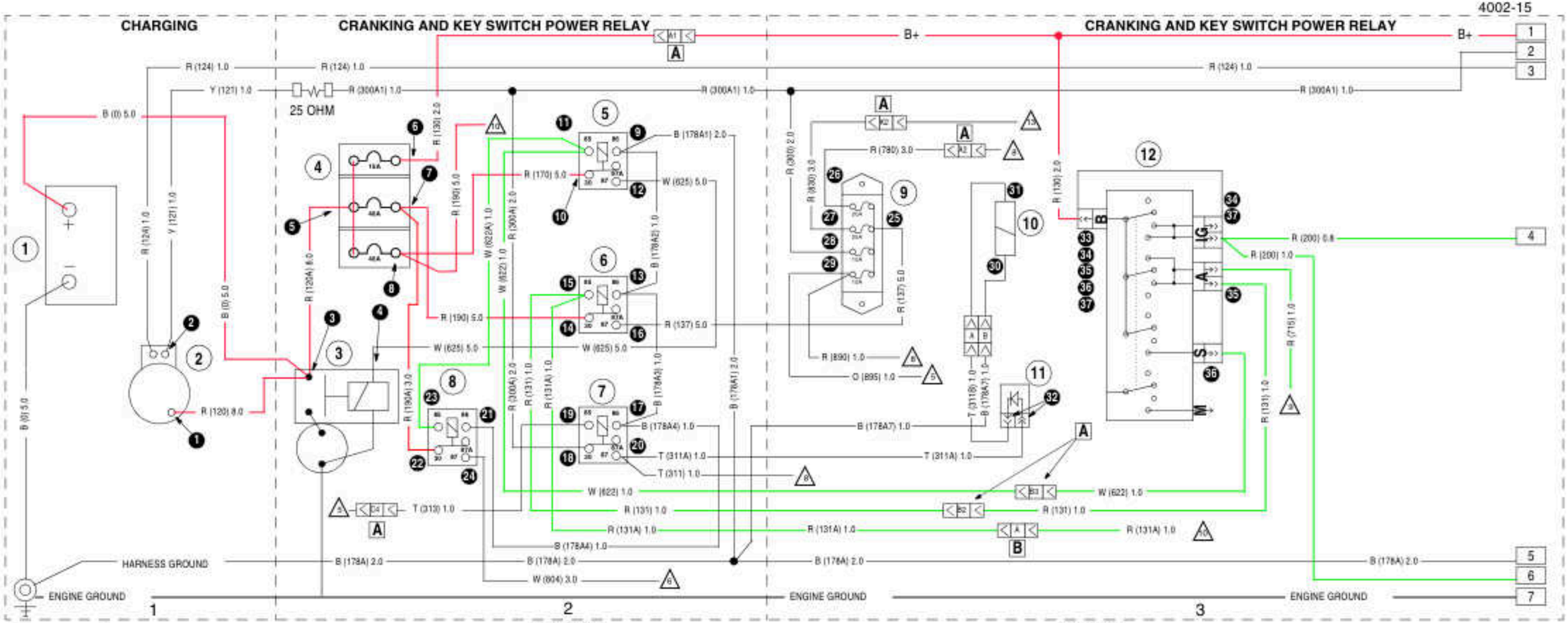
| NO. | GA. | COLOR | FROM: | TO: |
|---|---|---|---|---|
| 604 | 3.0 | White | Fuel Solenoid Pull-in Relay | Fuel Solenoid |
| 622 | 1.0 | White | Key Switch through 30 Pin Connector | Starter Relay |
| 622A | 1.0 | White | Starter Relay | Fuel Solenoid Pull-in Relay |
| 625 | 5.0 | White | Starter Relay | Starter Solenoid |
| 641 | 1.0 | White | Optional Thermostart Switch | Connector |
| 641B | 1.0 | White | Connector | Optional Thermostart Coil |
| 715 | 1.0 | Red | Key Switch | Dome Lamp |
| 780 | 3.0 | Red | Fuse Block 20 Ampere Fuse | 30 Pin Connector |
| 830 | 3.0 | Red | Fuse Block, 25 Ampere Fuse | 30 Pin Connector and Wiper Harness Connector |
| 890 | 1.0 | Red | Fuse Block, 10 Ampere Fuse | RH Handle Connector (Horn Button) |
| 895 | 1.0 | Orange | Fuse Block, 10 Ampere Fuse | Backup Alarm Switch #1 |

Bur 6-75160

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## Components

1. Battery
2. Alternator
3. Starter
4. Buss Bar
5. Starter Relay
6. Main Power Relay
7. Interlock Relay
8. Fuel Solenoid Pull-in Relay
9. Fuse Block
10. Loader Valve Solenoid
11. Diode
12. Key Switch

## Circuits

| NO. | GA. | COLOR | FROM: | TO: |
|---|---|---|---|---|
| 0 | 5.0 | Black | Chassis Ground | Battery (-) |
| 0 | 5.0 | Red | Battery (+) | Starter (+) |
| 120 | 8.0 | Red | Starter (+) | Alternator |
| 120A | 8.0 | Red | Starter (+) | Buss Bar |
| 121 | 1.0 | Yellow | Alternator Resistor | Alternator Field Excite Terminal |
| 124 | 1.0 | Red | Alternator Tachometer Terminal | 30 Pin Connector |
| 131 | 1.0 | Red | Key Switch | Main Power Relay |
| 131A | 1.0 | Red | Main Power Relay | Connector B and Accessory Power Relay |
| 137 | 5.0 | Red | Main Power Relay | Fuse Block |
| 170 | 5.0 | Red | Buss Bar, 40 Ampere Circuit Breaker | Starter Relay |
| 170A | 5.0 | Red | Buss Bar, 40 Ampere Circuit Breaker | Accessory Power Relay |

## Circuits

| NO. | GA. | COLOR | FROM: | TO: |
|---|---|---|---|---|
| 178A | 2.0 | Black | Chassis Ground Terminal | Chassis Ground |
| 178A1 | 2.0 | Black | Starter Relay (-) | Chassis Ground Terminal |
| 178A2 | 1.0 | Black | Main Power Relay (-) | Starter Relay (-) |
| 178A4 | 1.0 | Black | Fuel Solenoid Pull-in Relay | Interlock Relay (-) |
| 190 | 5.0 | Red | Buss Bar 40 Ampere Circuit Breaker | Main Power Relay |
| 190A | 3.0 | Red | Buss Bar 40 Ampere Circuit Breaker | Fuel Solenoid Pull-in Relay |
| 200 | 0.8 | Red | Key Switch | 10 Pin LH Instrument Cluster Connector |
| 200 | 1.0 | Red | Key Switch | 8 Pin RH Instrument Cluster Connector (Ignition Power-IN) |
| 300 | 2.0 | Red | Fuse Block, 10 ampere fuse | Splice |
| 300A | 2.0 | Red | Splice | Interlock Relay |
| 300A1 | 1.0 | Red | Splice | Alternator Resistor |
| 311 | 1.0 | Tan | Interlock Relay | LH Handle 4 Pin Connector |
| 313 | 1.0 | Tan | Interlock Relay | Seat Bar Switch and 8 Pin RH Instrument Cluster |
| 604 | 3.0 | White | Fuel Solenoid Pull-in Relay | Fuel Solenoid |
| 622 | 1.0 | White | Key Switch through 30 Pin Connector | Starter Relay |
| 622A | 1.0 | White | Starter Relay | Fuel Solenoid Pull-in Relay |

## Circuits

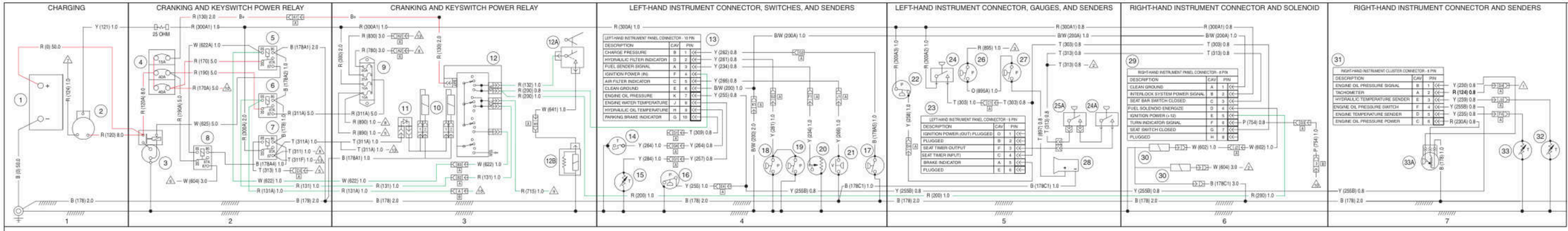
| NO. | GA. | COLOR | FROM: | TO: |
|---|---|---|---|---|
| 625 | 5.0 | White | Starter Relay | Starter Solenoid |
| 641 | 1.0 | White | Optional Cold Start Switch | Optional Ether Injection Solenoid |
| 641A | 2.0 | White | Optional Ether Injection Solenoid | Optional Ether Temperature Switch |
| 715 | 1.0 | Red | Key Switch | Dome Lamp |
| 780 | 3.0 | Red | Fuse Block 20 Ampere Fuse | 30 Pin Connector |
| 830 | 3.0 | Red | Fuse Block, 25 Ampere Fuse | 30 Pin Connector and Wiper Harness Connector |
| 890 | 1.0 | Red | Fuse Block, 10 Ampere Fuse | RH Handle Connector (Horn Button) |
| 895 | 1.0 | Orange | Fuse Block, 10 Ampere Fuse | Backup Alarm Switch #1 |

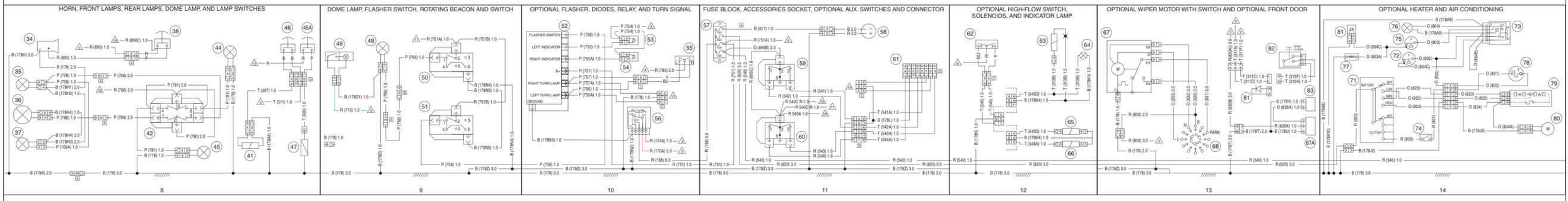
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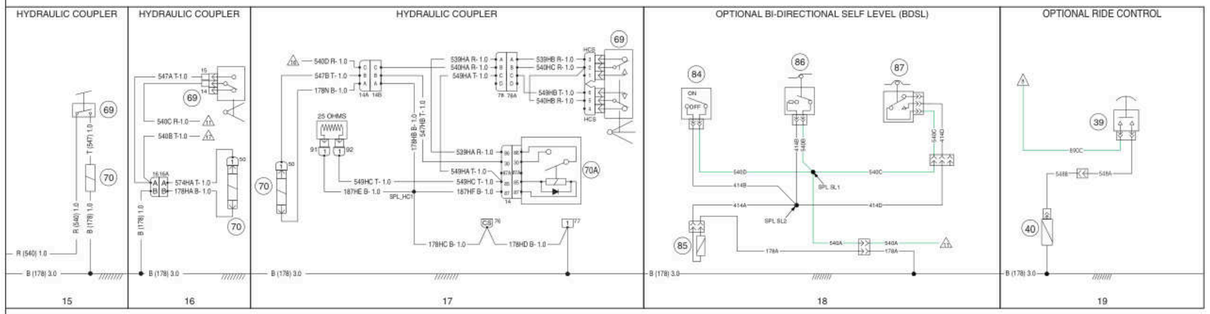
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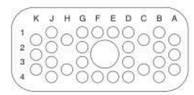



## HARNESS CONNECTOR

| | K | J | H | G | F | E | D | C | B | A | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 200 | 266 | 641 | 257 | 234 | 706 | X | 303 | X | 130 | 1 |
| 2 | 830 | 602 | - - | 261 | - - | - - | 300 | - - | 131 | 780 | 2 |
| 3 | - - | X | - - | X | - - | - - | 754 | - - | 622 | - - | 3 |
| 4 | 178 | X | 766 | 264 | X | 255 | 258 | 313 | 124 | 786 | 4 |




## FUSES

- 20 amperes (Lights)
- 25 amperes (Wiper)
- 10 amperes (Interlock system/alternator)
- 10 amperes (Right-hand handle/backup alarm)
- 10 amperes (Accessories)
- 20 amperes (Blower/air conditioning)
- 10 amperes (Beacon/flasher)
- 10 amperes (Auxiliary controls)

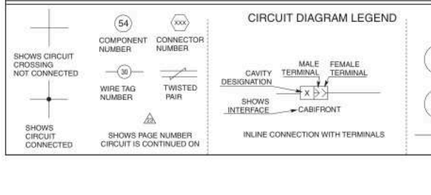
## WIRE CIRCUITS

| NO. | GA. | COLOR | FROM | TO |
|---|---|---|---|---|
| 0 | 50.0 | Black | Chassis Ground | Battery (–) |
| 0 | 50.0 | Red | Battery (+) | Starter (+) |
| 120 | 8.0 | Red | Alternator | Starter, Circuit Breakers |
| 120 | 8.0 | Red | Starter (+) | Buss Bar |
| 121 | 1.0 | Yellow | Alternator Resistor | Alternator Field Excite Terminal |
| 130 | 2.0 | Red | Buss Bar 15 Ampere Circuit Breaker | Key Switch through 30 pin connector |
| 131 | 1.0 | Red | Key Switch | Main Power Relay |
| 131 | 1.0 | Red | Main Power Supply | Connector B and Accessory Power Relay |
| 132 | 1.0 | Red | Key Switch | Cold Start Aid Switch |
| 137 | 5.0 | Red | Main Power Relay | Fuse Block |
| 138 | 5.0 | Red | Accessory Power Relay | Accessory Fuse Block |
| 170 | 5.0 | Red | Buss Bar 40 Ampere Circuit Breaker | Buss Bar |
| 170 | 5.0 | Red | Buss Bar 40 Ampere Circuit Breaker | Accessory Power Relay |
| 178 | 3.0 | Black | Splice | 30 Pin Connector and Engine Ground |
| 178 | 2.0 | Black | Chassis Ground Terminal | Chassis Ground |
| 178 | 2.0 | Black | Starter Relay (–) | Chassis Ground Terminal |
| 178 | 1.0 | Black | Main Power Relay (–) | Starter Relay (–) and Chassis Ground |
| 178 | 1.0 | Black | Interlock Relay (–) | Main Power Relay (–) and Chassis Ground |
| 178 | 1.0 | Black | Loader Control Valve Connector | Interlock Relay (–) and Chassis Ground |
| 178 | 1.0 | Black | Interlock Relay | Fuel Pull-in Relay |
| 178 | 1.0 | Black | Wiper Motor | Splice and Engine Ground |
| 178 | 1.0 | Black | Optional Lamp Switch | Splice |
| 178 | 1.0 | Black | Right-Hand Front Lamp | Optional Lamp Switch and Chassis Ground |
| 178 | 1.0 | Black | Left-Hand Front Lamp | Splice |
| 178 | 1.0 | Black | Optional Backup Alarm | Chassis Ground |
| 178 | 1.0 | Black | Air Filter Switch | Optional Backup Alarm (–) and Chassis Ground |
| 178 | 1.0 | Black | Rotating Beacon Connector | Splice |
| 178 | 1.0 | Black | Dome Lamp Connector | Rotating Beacon Connector and Chassis Ground |
| 178 | 1.0 | Black | Connector D | Splice and Engine Ground |
| 178 | 1.0 | Black | Auxiliary Front Attachment Connector E | Connector D |
| 178 | 2.0 | Black | Optional Horn | Chassis Ground |
| 178 | 2.0 | Black | Chassis Ground | Battery (–) |
| 178 | 2.0 | Black | Left-Hand Tail Lamp (–) | Optional Horn (–) and Chassis Ground |
| 178 | 2.0 | Black | Right-Hand Tail Lamp (–) | Left-Hand Tail Lamp (–) and Chassis Ground |
| 178 | 2.0 | Black | Rear Work Lamp (–) | Right-Hand Tail Lamp (–) and Chassis Ground |
| 178 | 3.0 | Black | Blower Connector | Splice and Engine Ground |
| 178 | 1.0 | Black | Electrical Accessory Connector | Splice and Engine Ground |
| 178 | - - | Black | Blower Motor | Blower Connector |
| 178 | 1.0 | Black | Auxiliary Front Attachment Connector (Connector E) | Connector C |
| 178 | 1.0 | Black | Accessory Power Relay | Chassis Ground |
| 178 | 1.0 | Black | Accessory Power Relay | Accessory Power Relay and Chassis Ground |
| 178 | 1.0 | Black | Rotating Beacon Switch | Chassis Ground |
| 178 | 1.0 | Black | Flasher Switch | Rotating Beacon Switch and Chassis Ground |
| 178 | 1.0 | Black | Turn Signal Lamps or Auxiliary Front Attachment | Chassis Ground |
| 178 | 1.0 | Black | Hydraulic Coupler Solenoid | Chassis Ground |
| 178 | 3.0 | Black | Chassis Ground | Engine Ground |
| 190 | 8.0 | Red | Buss Bar 40 Ampere Circuit Breaker | Main Power Relay |
| 190 | 5.0 | Red | Buss bar 40 Ampere Circuit Breaker | Fuel Pull-in Relay |
| 200 | 0.8 | Red | Key Switch | 10 Pin Left-hand Instrument Cluster Connector (Ignition Power-in) |
| 200 | 1.0 | Red | Key Switch | 8 Pin Right-Hand Instrument Cluster Connector (Ignition Power-in) |
| 200 | 2.0 | Black/White | Splice and 30 Pin Connector | Chassis Ground |
| 200 | 1.0 | Black/White | Right-Hand Instrument Cluster (8 Pin Connector) | Splice and 30 Pin Connector |
| 234 | 0.8 | Yellow | Left-Hand Instrument Cluster (10 Pin Connector) | 30 Pin Connector |
| 234 | 1.0 | Yellow | 30 Pin Connector | Fuel Lever Sender |
| 255 | 0.8 | Yellow | Splice | 30 Pin Connector |
| 255 | 0.8 | Yellow | Left-Hand Instrument Cluster (10 Pin Connector) | Splice |
| 255 | 0.8 | Yellow | Left-Hand Instrument Cluster (6 Pin Connector) | Splice |
| 255 | 1.0 | Yellow | 30 Pin Connector | Engine Oil Pressure Switch |
| 257 | 0.8 | Yellow | Left-Hand Instrument Cluster (10 Pin Connector) | Splice |
| 257 | 1.0 | Yellow | Splice | Engine Temperature Switch |
| 258 | 1.0 | Yellow | Brake Pressure Switch | 30 Pin Connector, Plugged |
| 261 | 0.8 | Yellow | Left-Hand Instrument Cluster (10 Pin Connector) | 30 Pin Connector |
| 261 | 1.0 | Yellow | 30 Pin Connector | Return Filter Switch |
| 262 | 0.8 | Yellow | Left-Hand Instrument Cluster (10 Pin Connector) | 30 Pin Connector |
| 262 | 1.0 | Yellow | 30 Pin Connector | Charge Pressure Switch |
| 264 | 0.8 | Yellow | Left-Hand Instrument Cluster (10 Pin Connector) | 30 Pin Connector |
| 264 | 1.0 | Yellow | 30 Pin Connector | Hydraulic Oil Temperature Switch |
| 266 | 0.8 | Yellow | Left-Hand Instrument Cluster (10 Pin Connector) | 30 Pin Connector |
| 266 | 1.0 | Yellow | 30 Pin Connector | Air Filter Restriction Switch |
| 300 | 2.0 | Red | Fuse Block, 10 Ampere Fuse | Splice |
| 300 | 0.8 | Red | 30 Pin Connector | Right-Hand Instrument Cluster (8 Pin Connector) |
| 300 | 2.0 | Red | Splice | Interlock Relay |
| 300 | 1.0 | Red | Splice | Alternator Resistor |
| 300 | 1.0 | Red | Fuse Block, 10 Ampere Fuse | 30 Pin Connector |
| 300 | 1.0 | Red | Splice | Seat Switch |
| 300 | 1.0 | Red | Splice | Brake Pressure Switch |
| 300 | 1.0 | Red | Splice | 30 Pin Connector |
| 303 | 1.0 | Tan | Seat Switch | 30 Pin Connector |
| 303 | 0.8 | Tan | 30 Pin Connector | Right-Hand Instrument Cluster (8 Pin Connector) |
| 303 | 0.8 | Tan | Left-Hand Instrument Cluster (10 Pin Connector) | Left-Hand Instrument Cluster (8 Pin Connector) |
| 303 | 0.8 | Tan | Seat Bar Switch | Left-Hand Instrument Cluster (6 Pin Connector) |
| 309 | 0.8 | Tan | Left-Hand Instrument Cluster (10 Pin Connector) | 30 Pin Connector |
| 311 | 1.0 | Tan | Interlock Relay | Left-Hand Handle 4 Pin Connector |
| 311 | 1.0 | Tan | Interlock Relay | Loader Valve Solenoid |
| 311 | 1.0 | Tan | Diode or Optional Loader Control Disconnect Switch | Loader valve Connector |
| 313 | 0.8 | Tan | Interlock Relay | Seat Bar Switch and 8 Pin Right-Hand Instrument Cluster |
| 540 | 1.0 | Red | Accessory Power Fuse Block | Hydraulic Coupler Switch |
| 540 | 2.0 | Red | Accessory Power Fuse Block | Left-Hand Auxiliary Switch |
| 540 | 0.8 | Red | Left-Hand Auxiliary Switch | Right-Hand Auxiliary Switch |
| 541 | 1.0 | Tan | Left-Hand Auxiliary Switch | Connector D |
| 541 | 1.0 | Tan | Connector D | Connector E (Auxiliary Front Attachment Connector) |
| 542 | 1.0 | Tan | Left-Hand Auxiliary Switch | Connector D |
| 542 | 1.0 | Tan | Connector D | Connector E (Auxiliary Front Attachment Connector) |
| 543 | 1.0 | Tan | Right-Hand Auxiliary Switch | Connector D |
| 543 | 1.0 | Tan | Connector D | Connector E (Auxiliary Front Attachment Connector) |
| 544 | 1.0 | Tan | Right-Hand Auxiliary Switch | Connector for Rear Auxiliary Controls (Load 4) |
| 544 | 1.0 | Tan | Connector D | Connector E (Auxiliary Front Attachment Connector) |
| 547 | 1.0 | Tan | Hydraulic Coupler Switch | Hydraulic Coupler Solenoid |
| 565 | 1.0 | Tan | Left-Hand Handle | Brake Solenoid |
| 602 | 1.0 | White | Right-Hand Instrument Cluster (8 Pin Connector) | 30 Pin Connector and Fuel Shutoff Solenoid |
| 604 | 3.0 | White | Fuel Shutoff Solenoid | Fuel Pull-in Relay |
| 641 | 1.0 | White | Optional Cold Start Switch | Optional ether Injection Solenoid |
| 641 | 2.0 | White | Optional Ether Injection Solenoid | Optional Ether Temperature Switch |
| 622 | 1.0 | White | Key Switch through 30 Pin Connector | Starter Relay |
| 622 | 1.0 | White | Starter Relay | Fuel Pull-in Relay |
| 625 | 5.0 | White | Starter Relay | Starter Solenoid |
| 641 | 1.0 | White | Optional Cold Start Switch | Optional Ether Injection Solenoid |
| 641 | 2.0 | White | Optional Ether Injection Solenoid | Optional Temperature Switch |
| 706 | 1.0 | Pink | 30 Pin Connector | Left-Hand Tail Lamp |
| 706 | 1.0 | Pink | Left-Hand Tail Lamp | Right-Hand Tail Lamp |
| 706 | 2.0 | Pink | Lamp Switch | 30 Pin Connector |
| 715 | 1.0 | Red | Key Switch | Dome Lamp |
| 751 | 1.0 | Red | Accessory Power Fuse Block, 10 Ampere Fuse | Flasher |
| 751 | 1.0 | Red | Accessory Power Fuse Block, 10 Ampere Fuse and Beacon Switch | Flasher Switch |
| 754 | 1.0 | Pink | Connector B (Auxiliary Front Attachment Connector) | 30 Pin Connector |
| 754 | 0.8 | Pink | 30 Pin Connector | Right-Hand Instrument Cluster (8 Pin Connector) |
| 754 | 1.0 | Pink | Left Turn Indicator Diode | Connector B |
| 754 | 1.0 | Pink | Right Turn Indicator Diode | Left Turn Indicator Diode |
| 754 | 1.0 | Pink | Left Turn Indicator Diode | Flasher |
| 759 | 1.0 | Pink | Optional Flasher | Left Turn Indicator Diode |
| 756 | 1.0 | Pink | Right Handle (Turn Signal Switch or Rear Auxiliary Hydraulic Control Load 8) | Flasher |
| 756 | 1.0 | Pink | Flasher | Turn Signal Harness and Left-Hand Turn Signal Lamp or Auxiliary Front Attachment Connector |
| 757 | 1.0 | Pink | Right-Hand Handle (Turn Signal Switch or Rear Aux Hydraulic Control Load 7) | Flasher |
| 757 | 1.0 | Pink | Flasher | Turn Signal Harness and Right-Hand Turn Signal Lamp or Auxiliary Front Attachment Connector |
| 758 | - - | Pink | Flasher Switch | Flasher |
| 766 | 1.0 | Pink | Rotating Beacon Switch | Connector B, 30 Pin Connector, and Rotating Beacon |
| 780 | 3.0 | Red | Fuse Block 20 Ampere Fuse | 30 Pin Connector |
| 780 | 2.0 | Red | 30 Pin Connector | Lamp Switch |
| 780 | 2.0 | Red | Lamp Switch (T5) | Lamp Switch (T2) |
| 781 | 1.0 | Pink | Lamp Switch (T4) | Lamp Switch (T6) |
| 781 | 1.0 | Pink | Lamp Switch (T4) | Front Left-Hand Lamp |
| 781 | 1.0 | Pink | Lamp Switch (T6) | Front Right-Hand Lamp |
| 786 | 2.0 | Pink | Lamp Switch | 30 Pin Connector |
| 786 | 1.0 | Pink | Lamp Switch | 30 Pin Connector |
| 817 | 1.0 | Red | Key Switch | Accessory Connector and Socket (10 Ampere Fuse) |
| 820 | 3.0 | Red | Accessory Power Fuse Block, 10 Ampere Fuse | Blower Connector |
| 822 | - - | Orange | Fan Speed Switch | Blower Motor Speed Resistor |
| 823 | - - | Orange | Fan Speed Switch | Blower Motor Speed Resistor |
| 824 | - - | Orange | Fan Speed Switch | Blower Motor Speed Resistor |
| 824A | - - | Orange | Fan Speed Switch | Blower Motor Speed Resistor and Blower Motor |
| 830 | 3.0 | Red | Fuse Block, 25 Ampere Fuse | 30 Pin Connector and Wiper Harness Connector |
| 830A | 2.0 | Red | Wiper Harness Connector | Wiper Switch and Wiper Motor |
| 831 | 2.0 | Orange | Wiper Switch (Park Position) | Wiper Motor |
| 832 | 2.0 | Orange | Wiper Switch (High Position) | Wiper Motor |
| 833 | 2.0 | Orange | Wiper Switch Low Position) | Wiper Motor |
| 890 | 1.0 | Red | Fuse Block, 10 Ampere Fuse | Backup Alarm Switch #1 |
| 892 | 1.0 | Orange | Right-Hand Handle (Horn button) | Horn |
| 895A | 1.0 | Orange | Backup Alarm Switch #1 | Backup Alarm Switch #2 |
| 897 | 1.0 | Orange | Backup Alarm Switch #2 | Backup Alarm |

## COMPONENTS

1. BATTERY
2. ALTERNATOR
3. STARTER AND STARTER SOLENOID
4. BUSS BAR (CIRCUIT BREAKER)
5. STARTER RELAY
6. MAIN POWER RELAY
7. INTERLOCK RELAY
8. FUEL PULL-IN RELAY
9. FUSE BLOCK
10. LOADER VALVE SOLENOIDS
11. DIODE
12. KEY SWITCH
12A. COLD START SWITCH
12B. THERMOSTART COIL
13. LEFT-HAND INSTRUMENT CLUSTER - 10 PIN
14. HYDRAULIC OIL TEMPERATURE SWITCH
15. ENGINE TEMPERATURE SWITCH
16. ENGINE OIL PRESSURE SWITCH
17. CHARGE PRESSURE SWITCH
18. RETURN FILTER SWITCH
19. CHARGE FILTER SWITCH
20. FUEL SENDER
21. AIR FILTER SWITCH
22. BRAKE PRESSURE SWITCH
23. LEFT-HAND INSTRUMENT CLUSTER - 6 PIN
24. SEAT SWITCH (LATE PRODUCTION)
24A. ROPS INTERLOCK SWITCH
25. NOT USED
25A. SEAT BAR SWITCH (LATE PRODUCTION)
26. BACKUP ALARM SWITCH #1
27. BACKUP ALARM SWITCH #2
28. BACKUP ALARM
29. RIGHT-HAND INSTRUMENT CLUSTER - 8 PIN
30. FUEL SHUTOFF SOLENOID
31. RIGHT-HAND INSTRUMENT CLUSTER - 6 PIN
32. HYDRAULIC OIL TEMPERATURE SENDER (OPTIONAL)
33. ENGINE TEMPERATURE SENDER (OPTIONAL)
33A. ENGINE OIL PRESSURE SENDER (OPTIONAL)
34. HORN
35. LEFT-HAND TAIL LAMP
36. REAR WORK LAMP
37. RIGHT-HAND TAIL LAMP
38. HORN BUTTON
39. RIDE CONTROL SWITCH
40. RIDE CONTROL SOLENOID
41. NEUTRAL ONLY-RIDE SOLENOID
42. LAMP SWITCH
43. NOT USED
44. FRONT LEFT-HAND LAMP
45. FRONT RIGHT-HAND LAMP
46. BRAKE BUTTON
46A. TWO-SPEED BUTTON
47. TWO-SPEED SOLENOID
48. DOME LAMP
49. ROTATING BEACON
50. ROTATING BEACON SWITCH
51. FLASHER SWITCH
52. FLASHER
53. LEFT TURN INDICATOR DIODE
54. RIGHT TURN INDICATOR DIODE
55. TURN SIGNAL SWITCH OR AUXILIARY CONTROL SWITCH
56. ACCESSORY POWER RELAY
57. ACCESSORY POWER FUSE BLOCK
58. ELECTRIC AUXILIARY SOCKET
59. LEFT-HAND AUXILIARY SWITCH
60. RIGHT-HAND AUXILIARY SWITCH
61. AUXILIARY FRONT ATTACHMENT CONNECTOR
62. HIGH FLOW SWITCH
63. HIGH PRESSURE, HIGH FLOW SOLENOID
64. HIGH PRESSURE, HIGH FLOW INDICATOR LAMP
65. LOW PRESSURE, HIGH FLOW FORWARD SOLENOID
66. LOW PRESSURE, HIGH FLOW REVERSE SOLENOID
67. WIPER MOTOR (OPTIONAL)
67A. WIPER MOTOR (OPTIONAL)
68. WIPER SWITCH (OPTIONAL)
69. HYDRAULIC COUPLER SWITCH
70. HYDRAULIC COUPLER SOLENOID
70A. HYDRAULIC COUPLER RELEASE TIMER
71. FAN SPEED SWITCH
72. LOW PRESSURE SWITCH
73. AIR CONDITIONER CONTROL RELAY
74. AIR CONDITIONER SWITCH
75. HIGH PRESSURE SWITCH
76. AIR CONDITIONER INDICATOR LAMP
77. COMPRESSOR
78. THERMOSTAT SWITCH
79. BLOWER MOTOR SPEED RESISTOR WITH THERMAL FUSE
80. BLOWER MOTOR
81. DIODE
82. FRONT DOOR SWITCH (OPTIONAL)
83. WASHER PUMP, OPTIONAL
84. SELF-LEVEL OVERRIDE SWITCH
85. SELF-LEVEL OVERRIDE SOLENOID
86. LOADER VALVE FLOAT SPOOL SWITCH
87. LOADER VALVE TIP SPOOL SWITCH

## CIRCUIT DIAGRAM LEGEND




## WIRE IDENTIFICATION

Y (35B) 1.0 — WIRE COLOR, WIRE NUMBER, WIRE SIZE

| ABBREV | WIRE COLOR |
|---|---|
| B | BLACK |
| BR | BROWN |
| DB | DARK BLUE |
| DG | DARK GREEN |
| G | GRAY |
| LB | LIGHT BLUE |
| LG | LIGHT GREEN |
| O | ORANGE |
| P | PINK |
| R | RED |
| T | TAN |
| V | VIOLET (PURPLE) |
| W | WHITE |
| Y | YELLOW |

## ACTUATORS

LEVER RELEASED, LEVER ACTUATED, LIQUID LEVEL FLOAT, PRESSURE, HAND, DIODE, VARIABLE RESISTOR, RESISTOR, COIL, LIGHT EMITTING DIODE, TEMP., MOMENTARY, MAINTAINED, CONTACTS

## HOUSINGS

VACUUM SWITCH, PRESSURE SWITCH, TEMPERATURE SWITCH, MOTOR, LAMP

## CONTACT CONFIGURATIONS

S.P.S.T., S.P.D.T., D.P.S.T., D.P.D.T.

## MISCELLANEOUS SYMBOLS

FUSE, AUTO. RESET CIRCUIT BREAKER, MANUAL RESET CIRCUIT BREAKER

## NOTES

## LEGEND

- INDICATES CONSTANT POWER
- INDICATES POWER WHEN KEY SWITCH IS IN ON POSITION
- INDICATES MOMENTARY POWER WHEN KEY SWITCH IS IN START POSITION

# ELECTRICAL SCHEMATIC
## 85XT, 90XT, and 95XT SKID STEER

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