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1.1 - SLS Key Start Schematic

- Battery (+)
- Fuel Solenoid
- Light Relay #1
- Light Relay #2
- Light Relay #3
- Glow Plug
- Starter Solenoid
- Oil Pressure SW
- Coolant Temp SW
- Alt (See Specification 1)
- Fuel Pump-If equipped
- 7.5A Harness Ground

- 12AWG BLACK
- 14AWG YELLOW
- 12AWG BLUE
- 16AWG GREEN
- 14AWG ORANGE
- 16AWG BLACK
- 16AWG RED
- 16AWG GRAY
- 16AWG BROWN
- 14AWG BLUE/WHITE
- 16AWG RED
- 16AWG RED
- 16AWG RED
- 12AWG RED
- 12AWG RED
- 12AWG RED
- 16AWG RED
- 16AWG GRAY
- 16AWG BROWN/ORANGE
- 16AWG TAN
- 12AWG RED
- 14AWG RED
- 12AWG YELLOW
- 14AWG YELLOW
- 16AWG GREEN

- 105894_A
- 1st Connection (TO 1.40)
- 2nd Connection (TO 1.9, 112, AND/OR 1.29)
- 3rd Connection (TO 1.4)
- 4th Connection (TO 1.3, 1.4, AND/OR 1.6)
- 5th Connection (TO 1.17)
- 6th Connection (TO 1.3, OR 1.6)
- 7th Connection (TO 1.3, OR 1.6)
- 8th Connection (TO 1.3, 1.4, AND/OR 1.6)
1.3 - CAT C1.1 Schematic

- Coolant Temperature Switch (No-Closes on High Temp)
- Oil Pressure Switch (NC-Opens on Pressure Increase)
- Starter
- Solenoid
- B+
- Alt
- Fuel Level Sender (Optional)
- Glow Plugs
  - Connect to Wire from Glow Relay
- 8 Pin Engine Harness Connector
- 4 Pin Engine Harness Connector
- Pin 1
- Pin 2
- Pin 4
- Pin 3
- Optional Wiring
- 12AWG Red E-Stop Switch
- Fuel Solenoid
- 12AWG Black
- 12AWG Yellow
- 12AWG Blue
- 12AWG Red
- 12AWG Black
- 12AWG Orange
- 12AWG Brown
- 12AWG Blue
- 12AWG White
- 10AWG Blue
- 10AWG Black
- 16AWG Grey
- 14AWG Red
- 14AWG Black
- 16AWG Pink
- 16AWG Blue/White
- 2AWG Red
- 2AWG Black
- Not for Reproduction
1.4 - CAT C1.1 Voltage Regulator Schematic

1st Connection

(TO 1.1, OR 1.2)

CONNECT TO WIRE
LABELLED "EO MODULE"

6 PIN VOLTAGE REGULATOR CONNECTOR

8 PIN ENGINE HARNESS CONNECTOR

1st Connection

(TO 1.3, OR 1.5)

PIN 1

PIN 2

PIN 3

PIN 4

PIN 5

PIN 6

PIN 7

PIN 8

14AWG RED

16AWG PINK

16AWG BLUE/WHITE

14AWG BLACK

16AWG YELLOW

16AWG GREEN
1.6 - Kubota D1005/1105 Schematic

1. STARTER
2. SOLENOID
3. B+
4. (IG)
5. PIN 1
6. 14AWG YELLOW
7. PIN 2
8. 12AWG BLUE
9. 14AWG WHITE
10. 10AWG RED
11. 12AWG BLACK
12. 2 AWG BLACK
13. 2AWG RED
14. 16AWG BLUE W/WHITE
15. 16AWG GRAY
16. 16AWG BROWN
17. 14AWG ORANGE
18. 10AWG RED EMERGENCY
19. STOP SWITCH
20. FUEL PUMP
21. 8 PIN ENGINE HARNESS CONNECTOR
22. 4 PIN ENGINE HARNESS CONNECTOR
23. FUSE 30A
24. ALT
25. CONNECT TO WIRE LABELED "FUEL LEVEL" (OPTIONAL)
26. CONNECT TO WIRE FROM GLOW RELAY (TO 1.1)
27. OPTIONAL CONNECTION (TO 1.41)
28. 1st Connection (TO 1.11)
29. 2nd Connection (TO 1.1)
30. 3rd Connection (TO 1.1)
31. 4th Connection (TO 1.1)
32. FUEL Level SENDER (OPTIONAL)
33. COOLANT TEMP
34. OIL PRESSURE

Not for Reproduction
1.8 - Shocker Valve Schematic
1.12 - Heated Fuel/Water Separator Schematic

14AWG BLACK

14AWG RED CONNECTS TO "ACC" WIRE ON SLS OR LSC

16-2 SOOW CORD WHITE BLACK

HEATED FUEL/WATER SEPARATOR

1st Connection (TO 1.1, OR 1.2)
1.13 - 4 Light 14/7 Cord Schematic

1st Connection

OR 1.20
(TO 1.18, 1.19,
1st Connection)
1.14 - 4 Light 16/8 Cord Schematic
1.16 - 4 Light LED Disconnect Schematic
1.19 - 1000W 50Hz 120V Ballast Schematic

1000W METAL HALIDE LAMP
TRANSFORMER BALLAST

3 PORT LEVER LOCK
COM

120V TAP
NOT USED

2 PORT LEVER LOCK
LAMP

240V TAP
(NOT USED)

CAP
26uF +/-3% 540V

1st Connection
(TO 1.13, 1.14,
OR 1.17)

JUNCTION/CONTROL BOX

#1 14/4 CORD
#1 BLACK
#1 RED
#1 GREEN
#1 WHITE

#2 14/4 CORD
#2 BLACK
#2 RED
#2 GREEN
#2 WHITE

Not for Reproduction
1.20 - 1250W 60Hz 120V Ballast Schematic

2 PORT LEVER LOCK

2 PORT LEVER LOCK

3 PORT LEVER LOCK

2 PORT LEVER LOCK

120V TAP

120V TAP

240V TAP

240V TAP

1250W METAL HALIDE LAMP TRANSFORMER BALLAST

1250W METAL HALIDE LAMP TRANSFORMER BALLAST

28uF +/-3% 525V CAPACITOR

28uF +/-3% 525V CAPACITOR

1st Connection (TO 1.13, 1.14, OR 1.17)

1st Connection (TO 1.13, 1.14, OR 1.17)
1.21 - Up/Down Momentary Switch Schematic

1st Connection (TO 1.23)

16/3 CORD

BLACK

GREEN

WHITE

VERTICAL PUMP

TOWER UP/DOWN MOMENTARY SWITCH

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1.23 - Push Switch Schematic

1st Connection (TO 1.21, OR 1.22)

16/3 CORD
BLACK
WHITE
GREEN
125 AMP
MOMENTARY SWITCH

16/2 CORD
BLACKWHITE
12VDC
TOWER SWITCH PANEL

RED
BLACK
GREEN
WHITE
16/3 CORD
BLACK
WHITE

12VDC
10AMP BLACK
10 AMP RELAY
(150A INRUSH)

40A DPST
12VDC

15 AMP
106154_A
(150A INRUSH)

12VDC
MOMENTARY SWITCH
2 PIN
LEVER LOCK

RELIEF SOLENOID
PUMP MOTOR

Solenoid
1.24 - Int’l Generator to Light Schematic

1st Connection

(TO 1.25)

106337 A

Not for Reproduction
1.26 - Int’l Tail Light Schematic (1 of 2)

ALL WIRE - 16 AWG

RIGHT TAIL LIGHT
STOP
REVERSE
TAIL
LICENSE PLATE
FOG
TURN
TAIL
MASS/GROUND

BLUE (NOT USED)

PINK (NOT USED)

ALL WIRE - 16 AWG

LEFT TAIL LIGHT
FOG
LEFT TURN
STOP
LEFT TAIL
MASS/GROUND

13 PIN TRAILER PLUG

SIDE AS VIEWED FROM REAR OF TRAILER

REVERSE (CLEAR) LIGHT LOCATED ON RIGHT SIDE AS VIEWED FROM REAR OF TRAILER

WIRE NUMBERS:

1 2 3 4 5 6 7 8 9 10 11 12 13

1. Mass/Ground
2. Mass/Ground
3. Pink (not used)
4. Blue (not used)
5. Green
6. Red
7. White
8. Pink
9. Black
10. White
11. Black
12. White
13. Not used

Not for Reproduction
1.26 - Int’l Tail Light Schematic (2 of 2)

Right Tail Light:
- Blue: Mass/Ground
- Pink: Not Used
- Green: Fog
- Red: Left Turn
- White: Stop
- Black: Left Tail
- White: Mass/Ground

Left Tail Light:
- Yellow: Reverse
- Brown: Right Turn
- White: Not Used
- Green: Right Tail
- Red: Not Used
- Black: Right Tail
- White: Mass/Ground

13 Pin Trailer Plug:
- Blue (not used)
- Pink: Not Used
- Yellow: FOG
- Red: All Wire - 16 AWG
- Black: Reverse (clear) light located on right side as viewed from rear of trailer

Left Plate:
- Black: License Plate

Right Plate:
- White: Mass/Ground
- Black: Tail
- White: Stop
- Red: Turn
- Green: FOG

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1.29 - Interior Work Light Schematic

16AWG WHITE TO WIRE LABELED "ACC"

TOGGLE SWITCH

12VDC

ENGINE CONTROL PANEL

16/2 SOOW CORD

WHITE BLACK

LED LIGHT

CONNECT TO WIRE LABELED "ACC" (TO 1.1, OR 1.2)

1st Connection

Not for Reproduction
1.33 - LSC 2.1 120V Transformer Schematic
1.35 - 1-20AMP GFCI Schematic

- WHITE 12 AWG
- GREEN 10/4
- RED 12 AWG
- BLACK 12 AWG
- RED 12 AWG
- BLACK 10/4
- GREEN 10/4

1st Connection (TO 1.17)

Not for Reproduction
1.37 - 1-30AMP RV 1-20AMP GFCI Schematic
1.39 - No Outlet Schematic

- 35 AMP DPST MAIN BREAKER
- BLACK 12 AWG
- RED 12 AWG
- BLACK 10/4
- RED 10/4 WHITE 10/4
- GREEN 10/4
- TO LIGHT RELAYS

1st Connection (TO 1.17)
1.40 - GPS ZTR System Schematic

1st Connection (TO 1.1)

TO PIN 6 ON KEY SWITCH

DC GROUND LUG

HOUR METER

16 GA. WHITE

105345_A

2 PORT LEVER LOCK

WHITE W/ BLUE STRIPE

GREEN W/ BLACK STRIPE

BLUE W/ BLACK STRIPE

PINK

YELLOW

BLUE

BROWN

WHITE

BLACK

RED

ORANGE

GREEN

WHITE W/ BLUE STRIPE

GREEN W/ BLACK STRIPE

16 GA. WHITE

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Not for Reproduction
1.41 - Emergency Stop Schematic

E-STOP CONNECTION OF ENGINE HARNESS

TO 2 PIN

RED 12 AWG

EMERGENCY STOP SWITCH

RED 12 AWG

1st Connection (TO 1.3, 1.5, 1.6, OR 1.7)

Not for Reproduction
1.42 - 102 Decibel Alarm Schematic

CONNECT TO "ALARM" WIRE

BLACK 16/2

WHITE 16/2

ALARM (TO 1.2)