1845C
Skid-Steer

Service Manual

8-18953

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1001

SAFETY RULES
SERVICE MANUAL INTRODUCTION
AND
TORQUE SPECIFICATIONS

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CASE CORPORATION

8-42910

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SAFETY RULES

This symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED. The message that follows the symbol contains important information about safety. Carefully read the message. Make sure you fully understand the causes of possible injury or death. 1-1-C

IMPORTANT: *To prevent injury on the job, follow the Warning, Caution, and Danger notes in this section and other sections throughout this manual. Follow the instructions carefully.*

The procedures recommended and shown in this manual are good, effective service methods. However, all possible procedures and service hazards may not be covered. Therefore, if you use a tool or procedure not recommended, you must make sure that the method you select is a safe method.

Put the warning tag shown below on the key for the key switch when you are servicing or repairing this machine. One warning tag is on every new machine. You can buy additional warning tags, part number 331-4614, from Service Parts Supply.



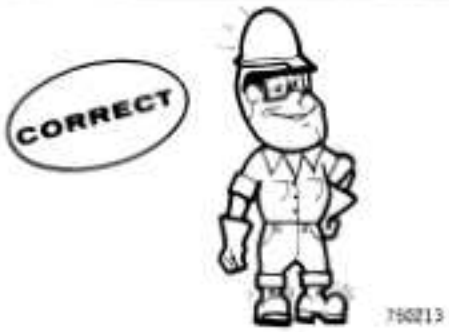
DANGER: *Engine exhaust fumes can cause death. If it is necessary to start the engine in a closed place, remove the exhaust fumes from the area with an exhaust pipe extension. If you do not have an exhaust pipe extension, open the doors and get outside air into the area.* 48-56

WARNING: *Read operator's manual to familiarize yourself with control lever functions.* 46-27

WARNING: *Operate tractor and equipment controls from the seat position only. Any other method could result in serious injury.* 48-55

WARNING: *This is a one man machine, no riders allowed.* 35-8

WARNING: *If you wear clothing that is too loose or do not use the correct safety equipment for your job, you can be injured. Always wear clothing that will not catch on objects. Extra safety equipment that can be required includes hard hat, safety shoes, ear protection, eye or face protection, heavy gloves and reflector clothing.* 45-3-A



WARNING: *Operate controls from the operator's seat only.* 35-7

WARNING: *When working in the area of the fan belt with the engine running, avoid loose clothing if possible, and use extreme caution.* 35-4

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WARNING: *Whenever the bucket must be raised to aid in servicing, block the loader arms in place with lift cylinder support strut or a suitable safety stand.* 23-7-B



1. *Lift Cylinder Support Strut* 855871

WARNING: *When doing checks and tests on the equipment hydraulics, follow the procedures as they are written. DO NOT change the procedure.* 47-44

WARNING: *When putting the hydraulic cylinders on this machine through the necessary cycles to check operation or to remove air from a circuit, make sure all people are out of the way.* 47-45

WARNING: *Use insulated gloves or mittens when working with hot parts.* 47-41A

CAUTION: *Pin sized and smaller streams of hydraulic oil under pressure can penetrate the skin and result in serious infection. If hydraulic oil under pressure does penetrate the skin, seek medical treatment immediately. Maintain all hoses and tubes in good condition. Make sure all connections are tight. Make a replacement of any tube or hose that is damaged or thought to be damaged. DO NOT use your hand to check for leaks; use a piece of cardboard or wood.* 40-6-A

CAUTION: *When removing hardened pins such as a pivot pin, or a hardened shaft, use a soft head (brass or bronze) hammer or use a driver made from brass or bronze and a steel head hammer.* 46-17

CAUTION: *When using a hammer to remove and install pivot pins or separate parts, using compressed air or using a grinder, wear eye protection that completely encloses the eyes (approved goggles or other approved eye protectors).* 46-13

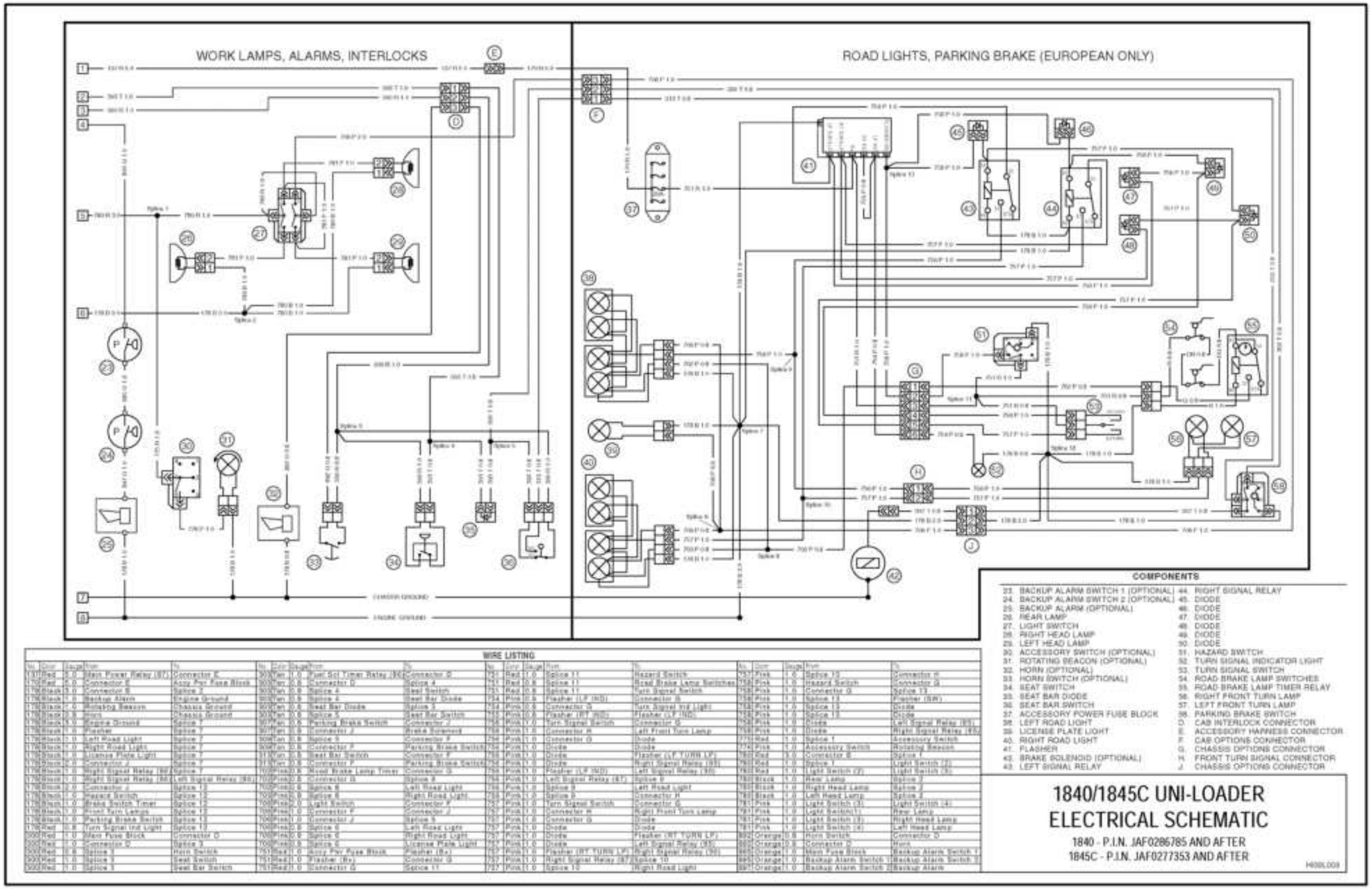
CAUTION: *When servicing or repairing the machine, keep the shop floor and operator's compartment and steps free of oil, water, grease, tools, etc. Use an oil absorbing material and/or shop cloths as required. Use safe practices at all times.* 40-8

CAUTION: *Use suitable floor (service) jacks or chain hoists to raise wheels or track off the floor. Always block machine in place with suitable safety stands.* 40-7-A

CAUTION: *Some components of this machine are very heavy. Use suitable lifting equipment or additional help as instructed in this service manual.* 40-10

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ELECTRICAL SCHEMATIC (Continued)



WIRE LISTING

No.	Color	Gauge	From	To	No.	Color	Gauge	From	To	No.	Color	Gauge	From	To
1	700	Red	2.0	Main Power Relay (87)	Connector E	30	750	Tan	1.0	Fuel Sol Timer Relay (86)	Connector G	751	Red	1.0	Splice 11	Hazard Switch	757	Pink	1.0	Splice 12	Connector H
2	700	Red	4.0	Connector E	Accy Pwr Fuse Block	31	750	Tan	0.8	Connector G	Splice 4	751	Red	0.8	Splice 11	Road Brake Lamp Switches	758	Pink	1.0	Hazard Switch	Connector G
3	750	Black	3.0	Connector E	Splice 2	32	750	Tan	0.8	Splice 4	Seat Switch	751	Red	0.8	Splice 11	Turn Signal Switch	758	Pink	1.0	Connector G	Splice 13
4	750	Black	1.0	Backup Alarm	Engine Ground	33	750	Tan	0.8	Splice 4	Seat Bar Diode	754	Pink	0.8	Flasher (LF IND)	Connector R	758	Pink	1.0	Splice 13	Flasher (SW)
5	750	Black	1.0	Rotating Beacon	Chassis Ground	34	750	Tan	0.8	Seat Bar Diode	Splice 5	754	Pink	0.8	Connector R	Turn Signal Ind Light	758	Pink	1.0	Splice 13	Diode
6	750	Black	1.0	Horn	Chassis Ground	35	750	Tan	0.8	Seat Bar Switch	Splice 5	755	Pink	0.8	Flasher (RT IND)	Flasher (LF IND)	758	Pink	1.0	Splice 13	Diode
7	750	Black	4.0	Engine Ground	Splice 1	36	750	Tan	0.8	Parking Brake Switch	Connector J	755	Pink	1.0	Turn Signal Switch	Connector G	758	Pink	1.0	Diode	Left Signal Relay (85)
8	750	Black	1.0	Flasher	Splice 1	37	750	Tan	0.8	Connector J	Brake Solenoid	756	Pink	1.0	Connector R	Left Front Turn Lamp	758	Pink	1.0	Diode	Right Signal Relay (85)
9	750	Black	1.0	Left Road Light	Splice 1	38	750	Tan	0.8	Splice 6	Connector R	756	Pink	1.0	Connector G	Diode	771	Red	1.0	Splice 1	Accessory Switch
10	750	Black	1.0	Right Road Light	Splice 1	39	750	Tan	0.8	Connector P	Parking Brake Switch	756	Pink	1.0	Diode	Diode	774	Red	1.0	Accessory Switch	Rotating Beacon
11	750	Black	1.0	License Plate Light	Splice 1	40	750	Tan	0.8	Seat Bar Switch	Connector F	756	Pink	1.0	Diode	Flasher (LF TURN LP)	775	Red	1.0	Connector E	Splice 1
12	750	Black	2.0	Connector J	Splice 1	41	750	Tan	0.8	Connector P	Parking Brake Switch	756	Pink	1.0	Diode	Right Signal Relay (85)	780	Red	1.0	Splice 1	Light Switch (2)
13	750	Black	1.0	Right Signal Relay (86)	Splice 1	700	Pink	0.8	Road Brake Lamp Timer	Connector G	756	Pink	1.0	Flasher (LF IND)	Left Signal Relay (85)	780	Red	1.0	Light Switch (2)	Light Switch (3)
14	750	Black	1.0	Right Signal Relay (86)	Left Signal Relay (86)	700	Pink	0.8	Connector G	Splice 8	756	Pink	1.0	Left Signal Relay (87)	Splice 9	780	Red	1.0	Light Switch (3)	Light Switch (4)
15	750	Black	2.0	Connector J	Splice 12	700	Pink	0.8	Splice 8	Left Road Light	756	Pink	1.0	Splice 9	Left Road Light	780	Black	1.0	Rear Lamp	Splice 2
16	750	Black	1.0	Hazard Switch	Splice 12	700	Pink	0.8	Splice 8	Right Road Light	756	Pink	1.0	Splice 9	Connector H	781	Black	1.0	Left Head Lamp	Splice 2
17	750	Black	1.0	Brake Switch Timer	Splice 12	700	Pink	0.8	Light Switch	Connector P	757	Pink	1.0	Turn Signal Switch	Connector G	781	Pink	1.0	Light Switch (3)	Light Switch (4)
18	750	Black	1.0	Front Turn Lamps	Splice 12	701	Pink	1.0	Connector P	Connector J	757	Pink	1.0	Connector H	Right Front Turn Lamp	781	Pink	1.0	Light Switch (4)	Rear Lamp
19	750	Black	1.0	Parking Brake Switch	Splice 13	702	Pink	1.0	Connector J	Splice 5	757	Pink	1.0	Connector G	Diode	781	Pink	1.0	Light Switch (4)	Right Head Lamp
20	750	Red	0.8	Turn Signal Ind Light	Splice 13	703	Pink	0.8	Splice 6	Left Road Light	757	Pink	1.0	Diode	Diode	781	Pink	1.0	Light Switch (4)	Left Head Lamp
21	800	Red	1.0	Main Fuse Block	Connector D	703	Pink	0.8	Splice 6	Right Road Light	757	Pink	1.0	Diode	Flasher (RT TURN LP)	822	Orange	0.8	Horn Switch	Connector D
22	800	Red	1.0	Connector D	Splice 3	703	Pink	0.8	Splice 6	License Plate Light	757	Pink	1.0	Diode	Left Signal Relay (85)	822	Orange	0.8	Connector D	Horn
23	800	Red	1.0	Splice 3	Horn Switch	751	Red	1.0	Accy Pwr Fuse Block	Flasher (Bx)	757	Pink	1.0	Flasher (RT TURN LP)	Right Signal Relay (85)	845	Orange	1.0	Main Fuse Block	Backup Alarm Switch 1
24	800	Red	1.0	Splice 3	Seat Switch	751	Red	1.0	Flasher (Bx)	Connector G	757	Pink	1.0	Right Signal Relay (87)	Splice 10	845	Orange	1.0	Backup Alarm Switch 1	Backup Alarm Switch 2
25	800	Red	1.0	Splice 3	Seat Bar Switch	751	Red	1.0	Connector G	Splice 11	757	Pink	1.0	Splice 10	Right Road Light	845	Orange	1.0	Backup Alarm Switch 2	Backup Alarm

COMPONENTS

23. BACKUP ALARM SWITCH 1 (OPTIONAL)	44. RIGHT SIGNAL RELAY
24. BACKUP ALARM SWITCH 2 (OPTIONAL)	45. DIODE
25. BACKUP ALARM (OPTIONAL)	46. DIODE
26. REAR LAMP	47. DIODE
27. LIGHT SWITCH	48. DIODE
28. RIGHT HEAD LAMP	49. DIODE
29. LEFT HEAD LAMP	50. DIODE
30. ACCESSORY SWITCH (OPTIONAL)	51. HAZARD SWITCH
31. ROTATING BEACON (OPTIONAL)	52. TURN SIGNAL INDICATOR LIGHT
32. HORN (OPTIONAL)	53. TURN SIGNAL SWITCH
33. HORN SWITCH (OPTIONAL)	54. ROAD BRAKE LAMP SWITCHES
34. SEAT SWITCH	55. ROAD BRAKE LAMP TIMER RELAY
35. SEAT BAR DIODE	56. RIGHT FRONT TURN LAMP
36. SEAT BAR SWITCH	57. LEFT FRONT TURN LAMP
37. ACCESSORY POWER FUSE BLOCK	58. PARKING BRAKE SWITCH
38. LEFT ROAD LIGHT	D. CAB INTERLOCK CONNECTOR
39. LICENSE PLATE LIGHT	E. ACCESSORY HARNESS CONNECTOR
40. RIGHT ROAD LIGHT	F. CAB OPTIONS CONNECTOR
41. FLASHER	G. CHASSIS OPTIONS CONNECTOR
42. BRAKE SOLENOID (OPTIONAL)	H. FRONT TURN SIGNAL CONNECTOR
43. LEFT SIGNAL RELAY	J. CHASSIS OPTIONS CONNECTOR

1840/1845C UNI-LOADER ELECTRICAL SCHEMATIC

1840 - P.I.N. JAF0286785 AND AFTER
1845C - P.I.N. JAF0277353 AND AFTER

H60L009

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