1840
Skid Steer

Service Manual

8-11093

CASE CONSTRUCTION

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1001

STANDARD TORQUE SPECIFICATIONS

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CASE CORPORATION

Bur 8-71600

Printed in U.S.A.
Issued May 1988

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TORQUE SPECIFICATIONS - DECIMAL HARDWARE

Use the torques in this chart when special torques are not given. These torques apply to fasteners with both UNC and UNF threads as received from suppliers, dry, or when lubricated with engine oil. Not applicable if special graphites, molydisulfide greases, or other extreme pressure lubricants are used.

Grade 5 Bolts, Nuts, and Studs



Size	Pound-Feet	Newton metres
1/4 in	9-11	12-15
5/16 in	17-21	23-28
3/8 in	35-42	48-57
7/16 in	54-64	73-87
1/2 in	80-96	109-130
9/16 in	110-132	149-179
5/8 in	150-180	203-244
3/4 in	270-324	366-439
7/8 in	400-480	542-651
1.0 in	580-696	787-944
1-1/8 in	800-880	1085-1193
1-1/4 in	1120-1240	1519-1681
1-3/8 in	1460-1680	1980-2278
1-1/2 in	1940-2200	2631-2983

Grade 8 Bolts, Nuts, and Studs



Size	Pound-Feet	Newton metres
1/4 in	12-15	16-20
5/16 in	24-29	33-39
3/8 in	45-54	61-73
7/16 in	70-84	95-114
1/2 in	110-132	149-179
9/16 in	160-192	217-260
5/8 in	220-264	298-358
3/4 in	380-456	515-618
7/8 in	600-720	814-976
1.0 in	900-1080	1220-1465
1-1/8 in	1280-1440	1736-1953
1-1/4 in	1820-2000	2468-2712
1-3/8 in	2380-2720	3227-3688
1-1/2 in	3160-3560	4285-4827

NOTE: *Use thick nuts with Grade 8 bolts.*

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TORQUE SPECIFICATIONS - METRIC HARDWARE

Use the following toques when special torques are not given.

These values apply to fasteners with coarse threads as received from supplier, plated or unplated, or when lubricated with engine oil. These values do not apply if graphite or molydisulfide grease or oil if used.

Grade 8.8 Bolts, Nuts, and Studs

8.8

Size	Pound-Feet	Newton metres
M4	2-3	3-4
M5	5-6	6.5-8
M6	8-9	10.5-12
M8	19-23	26-31
M10	38-45	52-61
M12	66-79	90-107
M14	106-127	144-172
M16	160-200	217-271
M20	320-380	434-515
M24	500-600	675-815
M30	920-1100	1250-1500
M36	1600-1950	2175-2600

Grade 10.9 Bolts, Nuts, and Studs

10.9

Size	Pound-Feet	Newton metres
M4	3-4	4-5
M5	7-8	9.5-11
M6	11-13	15-17.5
M8	27-32	37-43
M10	54-64	73-87
M12	93-112	125-15
M14	149-179	200-245
M16	230-280	310-380
M20	450-540	610-730
M24	780-940	1050-1275
M30	1470-1770	2000-2400
M36	2580-3090	3500-4200

Grade 12.9 Bolts, Nuts, and Studs

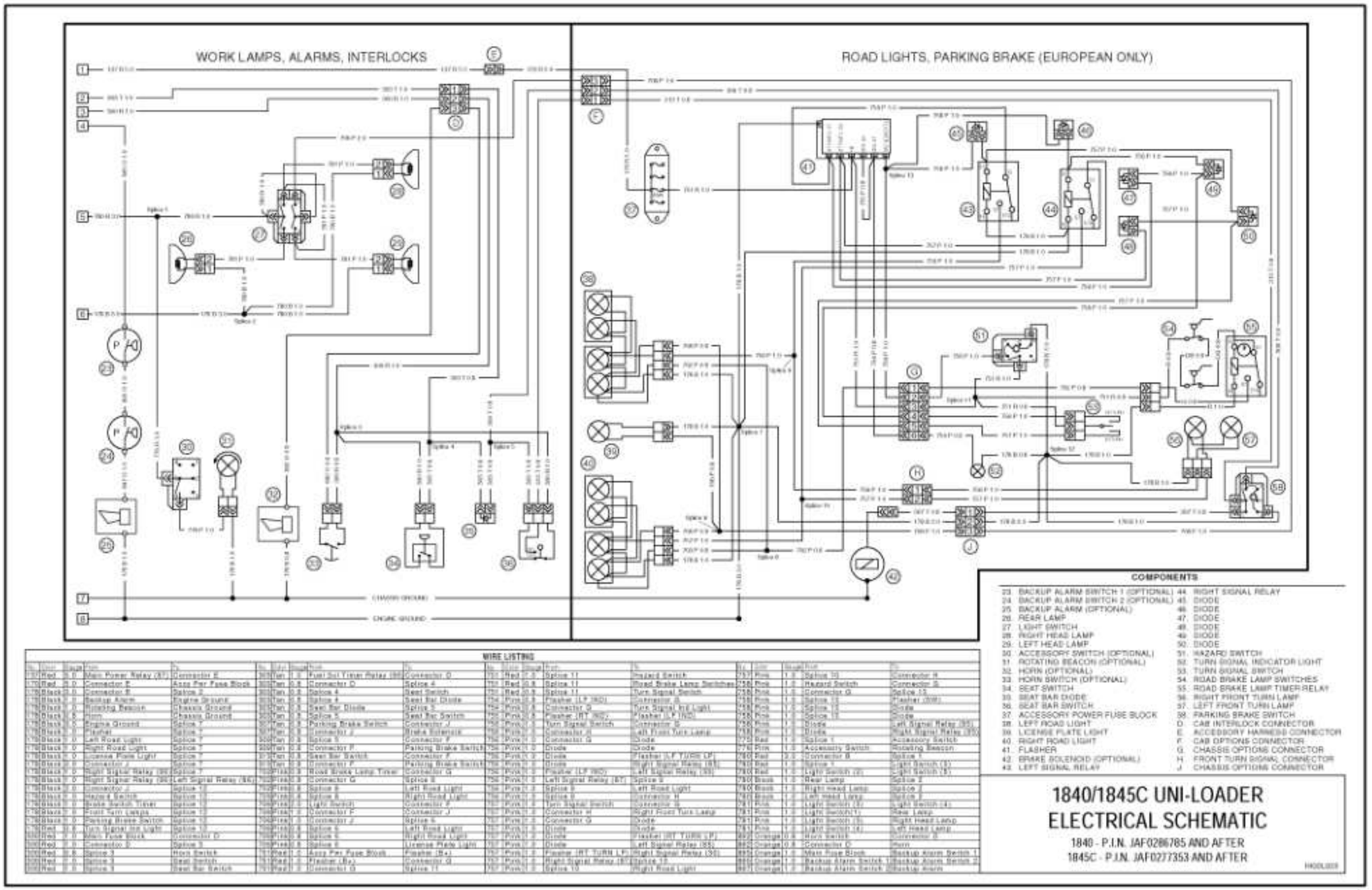
12.9

Usually the torque values specified for grade 10.9 fasteners can be used satisfactorily on grade 12.9 fasteners.

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ELECTRICAL SCHEMATIC (Continued)



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

WIRE LISTING

No.	Color	Gauge	From	To	No.	Color	Gauge	From	To	No.	Color	Gauge	From	To
1	Red	3.0	Main Power Relay (87)	Connector E	30	Tan	0.8	Fuel Cut Timer Relay (86)	Connector D	751	Red	0.8	Splice 11	Hazard Switch
2	Red	3.0	Connector E	Accy Pwr Fuse Block	31	Tan	0.8	Connector D	Splice 4	751	Red	0.8	Splice 11	Road Brake Lamp Switches
3	Black	3.0	Connector E	Splice 2	32	Tan	0.8	Splice 4	Seat Bar Diode	754	Pink	0.8	Flasher (LF ISO)	Connector B
4	Black	3.0	Backup Alarm	Chassis Ground	33	Tan	0.8	Splice 4	Seat Bar Switch	754	Pink	0.8	Flasher (LF ISO)	Turn Signal Ind Light
5	Black	3.0	Rotating Beacon	Chassis Ground	34	Tan	0.8	Seat Bar Diode	Splice 5	754	Pink	0.8	Connector G	Turn Signal Ind Light
6	Black	3.0	Horn	Chassis Ground	35	Tan	0.8	Splice 5	Seat Bar Switch	755	Pink	1.0	Flasher (RT ISO)	Flasher (LF ISO)
7	Black	3.0	Engine Ground	Splice 7	36	Tan	0.8	Parking Brake Switch	Connector J	755	Pink	1.0	Turn Signal Switch	Connector G
8	Black	3.0	Engine Ground	Splice 8	37	Tan	0.8	Connector J	Brake Interlock	756	Pink	1.0	Connector G	Left Front Turn Lamp
9	Black	3.0	Flasher	Splice 7	38	Tan	0.8	Splice 5	Connector F	756	Pink	1.0	Connector G	Diode
10	Black	3.0	Left Road Light	Splice 7	39	Tan	0.8	Connector F	Parking Brake Switch	756	Pink	1.0	Diode	Diode
11	Black	3.0	Right Road Light	Splice 7	40	Tan	0.8	Connector F	Seat Bar Switch	756	Pink	1.0	Diode	Flasher (LF TURN LP)
12	Black	3.0	License Plate Light	Splice 7	41	Tan	0.8	Connector F	Parking Brake Switch	756	Pink	1.0	Diode	Right Signal Relay (87)
13	Black	3.0	Connector J	Splice 7	42	Tan	0.8	Connector G	Road Brake Lamp Timer	756	Pink	1.0	Flasher (LF ISO)	Left Signal Relay (30)
14	Black	3.0	Right Signal Relay (86)	Splice 7	43	Tan	0.8	Connector G	Splice 8	756	Pink	1.0	Left Signal Relay (87)	Splice 9
15	Black	3.0	Right Signal Relay (85)	Left Signal Relay (85)	750	Pink	0.8	Connector G	Splice 8	756	Pink	1.0	Left Signal Relay (87)	Splice 9
16	Black	3.0	Connector J	Splice 12	750	Pink	0.8	Splice 8	Left Road Light	756	Pink	1.0	Splice 9	Left Road Light
17	Black	3.0	Hazard Switch	Splice 12	750	Pink	0.8	Splice 8	Right Road Light	756	Pink	1.0	Splice 9	Connector H
18	Black	3.0	Brake Switch Timer	Splice 12	750	Pink	0.8	Light Switch	Connector F	756	Pink	1.0	Turn Signal Switch	Connector G
19	Black	3.0	Front Turn Lamps	Splice 12	750	Pink	0.8	Connector F	Connector J	757	Pink	1.0	Connector H	Right Front Turn Lamp
20	Black	3.0	Parking Brake Switch	Splice 12	750	Pink	0.8	Connector J	Splice 6	757	Pink	1.0	Connector G	Diode
21	Black	3.0	Turn Signal Ind Light	Splice 12	750	Pink	0.8	Splice 6	Left Road Light	757	Pink	1.0	Diode	Diode
22	Red	3.0	Main Fuse Block	Connector D	750	Pink	0.8	Splice 6	Right Road Light	757	Pink	1.0	Diode	Flasher (RT TURN LP)
23	Red	3.0	Connector D	Splice 3	750	Pink	0.8	Splice 6	License Plate Light	757	Pink	1.0	Diode	Left Signal Relay (85)
24	Red	3.0	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 (30)
25	Red	3.0	Splice 3	Seat Switch	751	Red	1.0	Flasher (Bx)	Connector G	757	Pink	1.0	Right Signal Relay (87)	Splice 10
26	Red	3.0	Splice 3	Seat Bar Switch	751	Red	1.0	Connector G	Splice 11	757	Pink	1.0	Splice 10	Right Road Light

No.	Color	Gauge	From	To
751	Red	0.8	Splice 11	Hazard Switch
751	Red	0.8	Splice 11	Road Brake Lamp Switches
751	Red	0.8	Splice 11	Turn Signal Switch
754	Pink	0.8	Flasher (LF ISO)	Connector B
754	Pink	0.8	Connector G	Turn Signal Ind Light
755	Pink	1.0	Flasher (RT ISO)	Flasher (LF ISO)
755	Pink	1.0	Turn Signal Switch	Connector G
756	Pink	1.0	Connector G	Left Front Turn Lamp
756	Pink	1.0	Connector G	Diode
756	Pink	1.0	Diode	Flasher (LF TURN LP)
756	Pink	1.0	Diode	Right Signal Relay (87)
756	Pink	1.0	Flasher (LF ISO)	Left Signal Relay (30)
756	Pink	1.0	Left Signal Relay (87)	Splice 9
756	Pink	1.0	Splice 9	Left Road Light
756	Pink	1.0	Splice 9	Connector H
756	Pink	1.0	Splice 9	Turn Signal Switch
757	Pink	1.0	Connector H	Right Front Turn Lamp
757	Pink	1.0	Connector G	Diode
757	Pink	1.0	Diode	Diode
757	Pink	1.0	Diode	Flasher (RT TURN LP)
757	Pink	1.0	Diode	Left Signal Relay (85)
757	Pink	1.0	Flasher (RT TURN LP)	Right Signal Relay (30)
757	Pink	1.0	Right Signal Relay (87)	Splice 10
757	Pink	1.0	Splice 10	Right Road Light

No.	Color	Gauge	From	To
758	Pink	1.0	Splice 10	Hazard Switch
758	Pink	1.0	Connector G	Splice 13
758	Pink	1.0	Splice 13	Flasher (RT ISO)
758	Pink	1.0	Splice 13	Diode
758	Pink	1.0	Splice 13	Diode
758	Pink	1.0	Diode	Left Signal Relay (85)
758	Pink	1.0	Diode	Right Signal Relay (85)
759	Red	1.0	Splice 1	Accessory Switch
760	Red	2.0	Connector B	Splice 1
760	Red	1.0	Splice 1	Light Switch (2)
760	Red	1.0	Light Switch (2)	Light Switch (5)
760	Brown	1.0	Rear Lamp	Splice 2
760	Brown	1.0	Right Head Lamp	Splice 2
760	Brown	1.0	Left Head Lamp	Splice 2
760	Brown	1.0	Light Switch (3)	Light Switch (4)
761	Pink	1.0	Light Switch (1)	Rear Lamp
761	Pink	1.0	Light Switch (5)	Right Head Lamp
761	Pink	1.0	Light Switch (4)	Left Head Lamp
662	Orange	0.8	Horn Switch	Connector D
662	Orange	0.8	Connector D	Horn
662	Orange	1.0	Main Fuse Block	Backup Alarm Switch 1
662	Orange	1.0	Backup Alarm Switch 1	Backup Alarm Switch 2
662	Orange	1.0	Backup Alarm Switch 2	Backup Alarm

1840/1845C UNI-LOADER ELECTRICAL SCHEMATIC

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

H40DL003

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