SERVICE MANUAL Crawler 650

1. Trim along dashed line.

2. Slide into pocket on Binder Spine.

TYPE 1-4

SERVICE MANUAL Crawler 650

1. Trim along dashed line.

2. Slide into pocket on Binder Spine.

SERVICE MANUAL
Crawler

650

8-11261

1. Trim along dashed line.

2. Slide into pocket on Binder Spine.

TYPE 1-4

SERVICE MANUAL

Crawler

650

8-11261

1. Trim along dashed line.

2. Slide into pocket on Binder Spine.

TYPE 1-4

TYPE 1-4

650 Crawler Service Manual

Table of Contents

	Description	Section No	Form No.
General		Tab 1	0.4.4.00
Section Index - General			8-14420
Standard Torque Specification			8-71600
Fluids and Lubricants		1002	8-14430
Engine		Tab 2	<u></u>
Section Index - Engine			8-14440
Engine Stall Tests		2000	8-14450
Engine Removal and Installat	tion and Radiator		
Removal and Installation		2001	8-14460
Specification Details		2402	8-24163
Cylinder Head and Valve Tra	in	2415	8-24173
			8-24183
Lubrication System			8-24193
			8-24203
Turbocharger			8-25550
Turbocharger Failure Analysis			9-78235
Fuel System		Tab 3	
Section Index - Fuel System.			8-14470
Fuel System and Filters			8-24212
Fuel Injection Pump and Driv			7-37141
Fuel Injectors			8-24233
Electrical		Tab 4	
Section Index - Electrical			8-14480
Removal and Installation of E			8-14490
Electrical Specifications, Trou			8-14800
			8-11360
Batteries			
Instrument Panel and Gauge			8-14510
Starter and Starter Solenoid.			8-72280
Alternator		4019	8-12901
Track		Tab 5	0.4.1500
Section Index - Track			8-14520
Inspection of Track System (8-14950
Case Lubricated Track			8-14530
Sealed Track and Track Fran			8-14540
Idler, Track Adjuster and Rec			8-14550
Sprocket			8-14560
Carrier Roller			8-14570
Track Roller		5511	8-14580



650 Crawler Service Manual

Table of Contents

	Description	Section No.	Form No.
Power Train		Tab 6	
Section Index - Power Train		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	8-14590
Specifications, Schematic and	d Troubleshooting	6002	8-14600
Torque Converter and Torque	Converter Housing	6006	8-14610
Transmissin Control Valve		6007	8-13811
Modulator Valve			8-14620
Transmission			8-14630
Final Drive		6017	8-14640
Brakes		Tab 7	
Section Index - Brakes			8-14650
Removal and Installation of M			0 . ,000
Air from the Brake System		7001	8-14660
Master Cylinder		7002	8-14670
Brakes		7003	8-14680
		Tab 0	
Hydraulics		Tab 8	8-14690
Section Index - Hydraulics			8-14090 8-14920
Removal and Installation of H	iyaraulic Components		8-14700
Specifications, Troubleshooting	ng and Schematics	8002	8-14700 8-14710
Cleaning the Hydraulic System	m	8003	-
Equipment Pump		8005	8-14720
Equipment Control Valve		8007	8-14730
Cylinders	***************************************	8008	8-14741
Mounted Equipment		Tab 9	
Section Index - Mounted Equ	ipment		8-14750
Pedals and Levers			8-14760
Blade			8-14770
Ripper		9031	8-14780
ROPS Cab and Canopy		9061	8-14790
Suspension Seat		9065	8-14910

1001

STANDARD TORQUE SPECIFICATIONS

TABLE OF CONTENTS

Torque Specifications - Decimal Hardware1001-2	Torque Specifications - Steel Hydraulic Fittings	1001-4
Torque Specifications - Metric Hardware1001-3	Torque Specifications - O-ring Face Seal Fittings	1001-5

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				
$\langle \cdot \rangle \langle \times \rangle \langle \cdot \rangle$				
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.				

811360B

Thank you so much for reading.

Please click the "Buy Now!"

button below to download the complete manual.



After you pay.

You can download the most perfect and complete manual in the world immediately.

Our support email: ebooklibonline@outlook.com