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1750RT NXT3

Tier 4i Engines – SN 31051 - 131000
Tier 4 Engines – SN 131301 and Up

2100RT NXT3

Tier 4i Engines – SN 40501 - 241000
Tier 4 Engines – SN 280051 and Up

2500RT NXT3

Tier 4 Engines – SN 80301 and Up



Compact Track Loader

Operator's Manual

50940412 Rev. H 01/20

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Mustang 1750RT NXT3, 2100RT NXT3 and 2500RT NXT3 Compact Track Loader Operator Manual

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Brand: Mustang

Models: 1750RT NXT3, 2100RT NXT3 and 2500RT NXT3

Machine: Compact Track Loader

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Serial numbers: 1750RT NXT3 Tier 4i SN 31051-131000, Tier 4 SN 131301 and Up; 2100RT NXT3 Tier 4i SN 40501-241000, Tier 4 SN 280051 and Up; 2500RT NXT3 Tier 4 SN 80301 and Up

Language: English

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- Introduction
- Safety
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- EC Declaration of Conformity
- Torque Specifications

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Sample pages follow. Full manual: machinecatalogic.com

Specifications

Fluids/Lubricants Types and Capacities

NOTE: *Capacities shown are approximate.*

Table 2: Fluids/Lubricants Types and Capacities

Component/ Application	Type	Quantity				
		1750RT (with interim Tier 4 Engines)	2100RT (with interim Tier 4 Engines)	1750RT (with Tier 4 Engines)	2100RT (with Tier 4 Engines)	2500RT
Hydraulic Oil Tank	HVLPD 46 (HYD0530)	41.6 L (11 gal.)	52.2 L (13.8 gal.)	41.6 L (11 gal.)	52.2 L (13.8 gal.)	
Hydraulic System – Total	Biodegradable oil: AVILUB Syntofluid 46; PANOLIN HLP Synth 46	70.0 L (18.5 gal.)	81.4 L (21.5 gal.)	70.0 L (18.5 gal.)	81.4 L (21.5 gal.)	82.6 L (21.9 gal.)
Grease Fittings, Lift Arm	Lithium-saponified, brand-name multi-purpose grease MPG-A	As required				
Battery Terminals	SP-B acid-proof Grease	As required				
Diesel Fuel Tank	ASTM D975 with biodiesel content limited to 5% of DIN EN14214 type (no additives allowed!)	90.8 L (24.0 gal.) LSD or ULSD[1] low sulfur or ultra-low sulfur, below 500 PPM.		90.8 L (24.0 gal.) ULSD[1] ultra-low sulfur only, below 15 PPM.		
Engine Coolant	Long life coolant ASTM D4985, D6210 (United States) SAE J814C, J1941, J1034 or J2036 (international) (See "Coolant Compound Table" on page 39)	13.2 L (3.5 gal.)	14.4 L (3.8 gal.)	13.2 L (3.5 gal.)	14.4 L (3.8 gal.	19.3 L (5.1 gal.)
Radiator Cap Pressure		0.90 bar (13 psi)				
Air Conditioning (option)	R 134a refrigerant	1134 g. (2.5 lbs.) @ 24° C (76° F)				
Final Drives: Motor Gearbox	Shell transaxle (synthetic fluid) or equivalent	SAE 75W90 1 L (1.06 qts.) ± 10%				SAE 80W90 0.8L (0.85 qts.)
Engine Oil (with filter)	**IIMPORTANT:** **Model 2100RT w/ 4TNV98CT-NMSL Tier 4/5 engines**: 0w-40 Full Synthetic **All machines EXCEPT Model 2100RT with 4TNV98CT-NMSL Tier 4/5 engines:** Refer to the Engine Operator's Manual for specific oil recommendations and additional information. **Service Classification:** API-CK-4 preferred; API-CJ-4 acceptable	10.4 L (11 qts.)				8.9 L (9.5 qts.)

1. Ultra-Low Sulfur Diesel (ULSD) fuel lubricity must have a maximum scar diameter of 0.45 mm, as measured by ASTM D6079 or ISO 12156-1, or a minimum of 3100 grams as measured by ASTM D6078. Contact your fuel supplier for details. Specification 1-D S15 or 2-D S15, ASTM D975.

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Electrical System

⚠ WARNING

Inspect and check the machine's electrical equipment at regular intervals. Defects, such as loose connections or scorched cables much be repaired before using the machine.

Only use proper, original equipment fuses with the specified current rating. Turn off the machine immediately if there are any problems with the electrical system.

Work on the machine's electrical system must be done only by a trained technician.

Battery

⚠ WARNING

Before servicing the battery or electrical system, disconnect the negative cable from the negative battery terminal, or if the machine is equipped with a battery disconnect switch, turn the switch to the "OFF" position.

Explosive gas is produced while a battery is in use or being charged. Keep flames or sparks away from the battery area. ALWAYS charge the battery in a well-ventilated area.

Do not jump-start a frozen battery, or it may explode. A discharged battery can freeze at 0°C (32°F).

To prevent short circuits keep metal parts on your clothing and metal watchbands away from the positive (+) terminal of the battery.

⚠ WARNING

Never lay a metal object on top of a battery, because a short circuit can result. Battery acid is harmful to skin and fabrics. If acid spills, follow these first-aid tips:

- **If battery acid spills on any clothing, remove it immediately.**
- **If acid contacts skin, rinse the affected area with running water for 10 to 15 minutes.**
- **If acid contacts eyes, flood eyes with running water for 10 to 15 minutes. See a doctor at once. Never use any medication or eye drops unless prescribed by the doctor.**
- **To neutralize acid spilled on the floor, use one of the following mixtures:**
  - **0.5 kg (1 lbs.) of baking soda in 4 L (4 qts.) of water.**
  - **0.5 L (0.5 qts.) of household ammonia in 4 L (4 qts.) of water.**

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Table 69: RT1750 / 2100RT with interim Tier 4 Engines - Connector Names / Schematics Locations

Name	Schematic Page	Name	Schematic Page	Name	Schematic Page	Name	Schematic Page	Name	Schematic Page
C88	251	C89	251	C90	244, 246, 247, 250, 251, 252, 253, 254, 255, 256, 258, 259	C91	257	C92	255
C93	244, 245, 253	C95	245	C96	249	C97	249	C99	248
C100	248	C101	250	C103	259	C104	259	C105	244
C106	246	C108	258	C109	248	C110	253	C111	256
C112	255	C113	255	C114	257	C115	256	C116	256
C117	256	C118	256	C119	257	C120	253	C121	252
C122	254	C123	254	C124	252	C125	250	C126	258
C127	247, 253, 256	C128	259	C129	259	C130	259	C131	245
C132	257	C133	245, 247, 250, 253, 254	C134	246, 248, 249, 253, 255, 256	C135	244, 253	C136	244
C137	259	C138	259	C139	257	C142	244, 253, 255, 256, 258	C143	247, 249, 255, 256, 259
C146	244	C148	256	C150	256	C160	257	C176	257
C178	257	C192	244						

Table 70: RT1750 / 2100RT with interim Tier 4 Engines - Connector Names / Splice Locations and Functions

Name	Schematic Page	Function	Name	Schematic Page	Function
SPL1	256	Rear Door Ground	SPL2	256	Rear Door Ground
SPL3	255	Rear Door Ground	SPL4	256	Rear Work Light Power
SPL5	252	High Flow Rev.	SPL6	256	Rear Door Power
SPL7	258	Cab Power	SPL8	258	CAN Low
SPL9	258	CAN High	SPL10	258	CAN Low
SPL11	258	CAN High	SPL12	251	Cab Control Ground
SPL13	251	Can Control Ground	SPL14	255	Cab Ground
SPL15	254	Cab Ground	SPL16	251	Cab Control Ground
SPL17	252	Cab Ground	SPL18	258	Seat Power
SPL19	255	ROPS Ground	SPL22	255	Wiper Power
SPL23	256	ROPS Work Light Power	SPL24	247	Radio/Beacon Power
SPL25	256	ROPS Ground	SPL26	253	Rectifier Power
SPL27	245	EGR Power	SPL28	244	Main Power
SPL29	251	Swash Ground	SPL30	251	Swash Power
SPL31	248	Chassis HYD Ground	SPL32	248	Chassis HYD Ground
SPL33	259	Chassis Ground	SPL34	248	Chassis Ground
SPL35	248	Float Solenoid	SPL36	249	Pump Power
SPL37	249	Maestro 2 Power	SPL38	245	Rack Actuator Power
SPL39	244	Air Heater Ground	SPL40	253	A/C Power
SPL41	253	Resistor Block Power	SPL42	250	CAN Low

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Full Version Available

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