A TEREX COMPANY

Service Manual

Serial Number Range

S-40™
S-45™

from S40-7001 to
S4012-17231

Part No. 102521

Rev E

October 2013

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SPECIFICATIONS

Machine Torque Specifications

Platform rotator	
1-8 center bolt, Gr 5, dry	640 ft-lbs 868 Nm
1-8 center bolt, Gr 5, lubricated	480 ft-lbs 651 Nm
3/8 -16 bolts, Gr 8, lubricated *use blue thread-locking compound	35 ft-lbs* 47.5 Nm
Turntable rotator	
Drive hub mounting bolts, dry	210 ft-lbs 284 Nm
Drive hub mounting bolts, lubricated* *use blue thread-locking compound	160 ft-lbs 217 Nm
Drive motor and hubs	
Drive hub mounting bolts, dry	210 ft-lbs 284 Nm
Drive hub mounting bolts, lubricated *use blue thread-locking compound	160 ft-lbs* 217 Nm
Drive motor mounting bolts, dry	49 ft-lbs 66.4 Nm
Drive motor mounting bolts, lubricated	37 ft-lbs 50 Nm
Turntable bearing	
Turntable bearing mounting bolts, lubricated	180 ft-lbs 244 Nm

TRAX Torque Specifications

Hub to drive sprocket fasteners	
Lug nut, dry	230 ft-lbs 312 Nm
Lug nut, lubricated	170 ft-lbs 230 Nm
Idler and bogey wheel fasteners	
3/4 -10 bolts, GR 8, dry	375 ft-lbs 508 Nm
3/4 -10 bolts, GR 8, lubricated	281 ft-lbs 381 N

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FAULT CODES

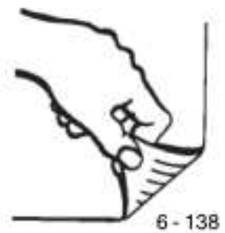
Code	Description
111	CL (closed loop) high LPG
112	EGO open / lazy pre-cat 1
113	EGO open / lazy pre-cat 2/post-cat 1
114	EGO open / lazy post-cat 1
115	EGO open / lazy post-cat 2
121	CL (closed loop) high gasoline bank 1
122	CL (closed loop) low gasoline bank 1
124	CL (closed loop) low LPG
133	Gasoline catalyst monitor 1
134	LPG catalyst monitor
141	AL (adaptive learning) high gasoline bank 1
142	AL (adaptive learning) low gasoline bank 1
143	AL (adaptive learning) high LPG
144	AL (adaptive learning) low LPG
161	Battery voltage high
162	Battery voltage low
163	AUX analog PD1 high
164	AUX analog PD1 low
165	AUX analog PU3 high
166	AUX analog PU3 low
167	AUX analog PUD1 high
168	AUX analog PUD1 low
171	AUX analog PUD2 high
172	AUX analog PUD2 low
173	AUX analog PUD3 high
174	AUX analog PUD3 low
181	AUX DIG1 high
182	AUX DIG1 low
183	AUX DIG2 high
184	AUX DIG2 low
185	AUX DIG3 high
186	AUX DIG3 low
211	IAT (intake air temperature) high voltage

Code	Description
212	IAT (intake air temperature) low voltage
213	IAT (intake air temperature) higher than expected 1
214	IAT (intake air temperature) higher than expected 2
215	Oil pressure low
221	ECT/CHT (engine/cylinder head temp) high voltage
222	ECT/CHT (engine/cylinder head temp) low voltage
223	CHT higher than expected 1
224	CHT higher than expected 2
225	ECT higher than expected 1
226	ECT higher than expected 2
231	MAP (manifold absolute pressure) high pressure
232	MAP (manifold absolute pressure) low pressure
234	BP (barometric pressure) high pressure
235	BP (barometric pressure) low pressure
242	Crank sync noise
243	Never crank synced at start
244	Cam loss
245	Cam sync noise
246	Crank loss
253	Knock 1-2 sensor open 1
254	Knock 1-2 excessive signal 1

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MTE Hydraulic Generator Option Wiring Diagram



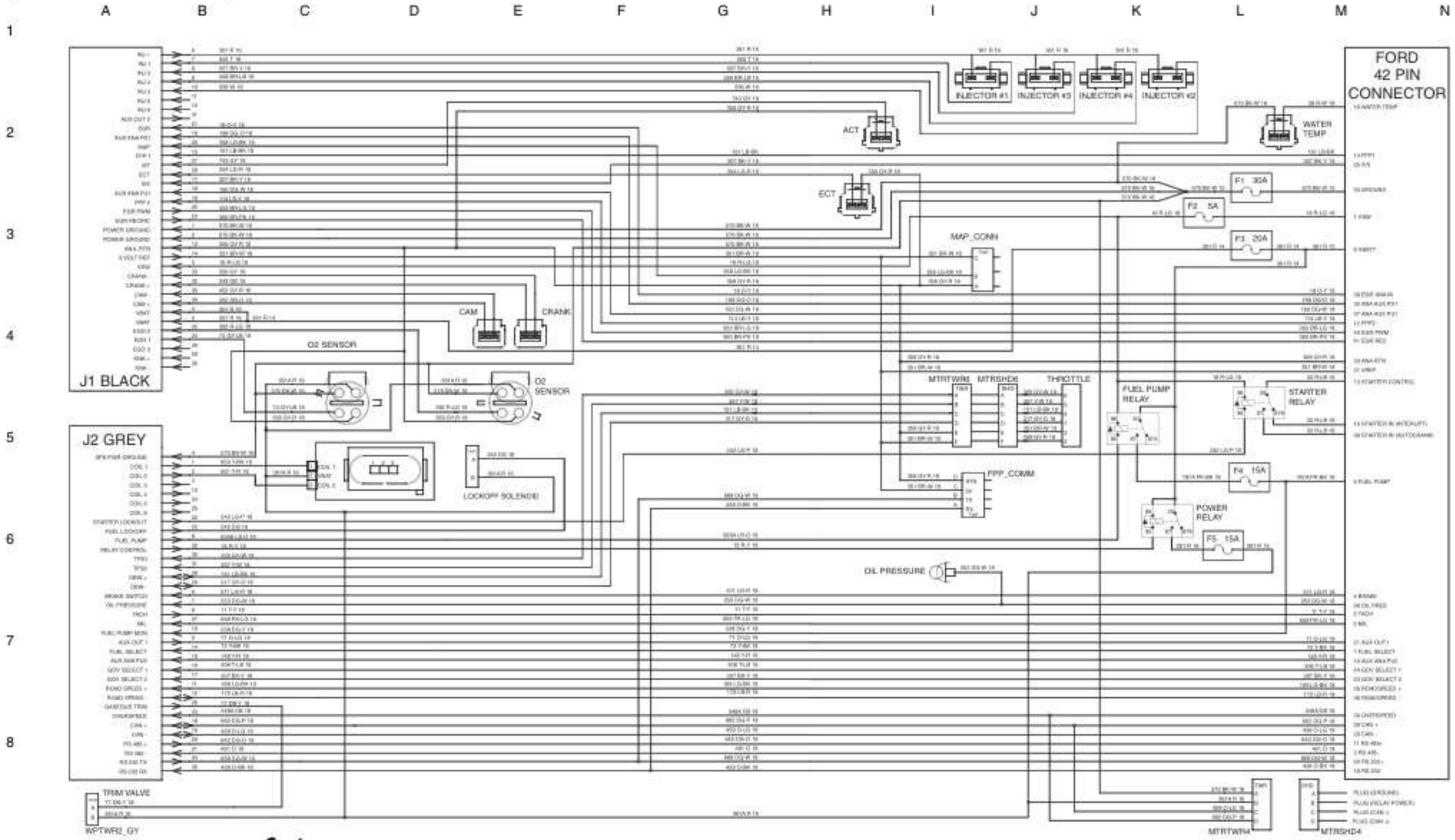


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Engine Wire Harness

Ford LRG-425 EFI Models
(before serial number 11067)



Genie

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