

Genie®

Service Manual

Refer to inside cover for additional serial number information

Part No. 72136
Rev B
March 2008

S™-40
S™-45
(from serial number 1790 to 7000)

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Table of Contents

Introduction

Important Information ii

Section 1 **Safety Rules**

General Safety Rules iii

Section 2 **Rev** **Specifications**

B Machine Specifications ..... 2 - 1
Performance Specifications ..... 2 - 3
Hydraulic Specifications ..... 2 - 4
Hydraulic Oil Specifications ..... 2 - 5
Ford LRG 425 EFI Engine Specifications ..... 2 - 6
Deutz F3L 1011F Engine Specifications ..... 2 - 7
Perkins 704-30 Engine Specifications ..... 2 - 8
Machine Torque Specifications ..... 2 - 9
Hydraulic Hose and Fitting Torque Specifications ..... 2 - 10
SAE and Metric Fastener Torque ..... 2 - 11

Section 3 **Rev** **Theory of Operation**

A Power Source ..... 3 - 1
Hydraulic System ..... 3 - 1
Electrical System ..... 3 - 1
Limit Switches ..... 3 - 2
Electrical System ..... 3 - 2

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TABLE OF CONTENTS

Section 4	Rev	Scheduled Maintenance Procedures	
		Introduction	4 - 1
		Maintenance Inspection Report	4 - 3
	B	**Checklist A Procedures**	
		A-1 Inspect the Operator's and Safety Manuals	4 - 5
		A-2 Inspect the Decals and Placards	4 - 5
		A-3 Inspect for Damage, Loose or Missing Parts	4 - 6
		A-4 Check the Engine Oil Level	4 - 7
		A-5 Check the Engine Coolant Level - Liquid Cooled Models	4 - 8
		A-6 Check for Fuel Leaks	4 - 8
		A-7 Check the Hydraulic Oil Level	4 - 9
		A-8 Check for Hydraulic Leaks	4 - 10
		A-9 Check the Tire Pressure	4 - 10
		A-10 Test the Oscillate Axle (if equipped)	4 - 11
		A-11 Test the Platform and Ground Controls	4 - 12
		A-12 Test the Auxiliary Power Operation	4 - 13
		A-13 Test the Tilt Sensor	4 - 14
		A-14 Test the Limit Switches	4 - 14
		A-15 Drain the Fuel Filter/Water Separator - Diesel Models	4 - 17
		A-16 Perform 30 Day Service	4 - 19
		A-17 Replace the Engine Oil and Filter - Gasoline/LPG Models	4 - 19
		A-18 Check the Engine Belt - Gasoline/LPG and Perkins Models	4 - 21
		A-19 Replace the Fuel Filter - Gasoline/LPG Models	4 - 22

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TABLE OF CONTENTS

Section 4	**Rev**	**Scheduled Maintenance Procedures,** continued	
	B	**Checklist B Procedures**	
		B-1 Check the Exhaust System	4 - 30
		B-2 Inspect the Engine Air Filter	4 - 25
		B-3 Inspect the Radiator - Liquid Cooled Models	4 - 26
		B-4 Check the Battery	4 - 27
		B-5 Inspect the Electrical Wiring	4 - 28
		B-6 Check the Oil Cooler and Cooling Fins - Deutz Models	4 - 29
		B-7 Check the Hydraulic Tank Return Filter Condition Indicator	4 - 30
		B-8 Inspect the Tires, Wheels and Lug Nut Torque	4 - 31
		B-9 Confirm the Proper Brake Configuration	4 - 32
		B-10 Check the Oil Level in the Drive Hubs	4 - 33
		B-11 Check and Adjust the Engine RPM	4 - 35
		B-12 Test the Key Switch	4 - 36
		B-13 Test the Emergency Stop Buttons	4 - 37
		B-14 Test the Ground Control Override	4 - 37
		B-15 Check the Directional Valve Linkage	4 - 38
		B-16 Test the Platform Self-leveling	4 - 38
		B-17 Test the Horn	4 - 39
		B-18 Test the Foot Switch	4 - 39
		B-19 Test the Engine Idle Select Operation	4 - 40
		B-20 Test the Fuel Select Operation - Gasoline/LPG Models	4 - 41
		B-21 Test the Drive Enable System	4 - 42
		B-22 Test the Drive Brakes	4 - 43
		B-23 Test the Drive Speed - Stowed Position	4 - 44
		B-24 Test the Drive Speed - Raised or Extended Position	4 - 45
		B-25 Test the Alarm Package (if equipped)	4 - 46

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Specifications

REV B

Machine Specifications S-40 Models

Stowed dimensions	2WD/RT	4WD/RT
Length	23 ft 11 in 7.3 m	23 ft 11 in 7.3 m
Width	7 ft 6 in 2.3 m	7 ft 6 in 2.3 m
Height	8 ft 2 in 2.5 m	8 ft 2 in 2.5 m
Weight	11,650 lbs 5284 kg	11,650 lbs 5284 kg
Ground clearance	12 1/2 in 31.8 cm	12 1/2 in 31.8 cm
Operational dimensions		
Maximum platform height	40 ft 12.2 m	40 ft 12.2 m
Maximum horizontal reach	31 ft 8 in 9.7 m	31 ft 8 in 9.7 m
Maximum turntable tailswing	34 in 86.4 cm	34 in 86.4 cm
Wheelbase	7 ft 3 in 2.2 m	7 ft 3 in 2.2 m
Minimum turning radius, outside	15 ft 8 in 4.8 m	15 ft 8 in 4.8 m
Minimum turning radius, inside	6 ft 8 in 2 m	6 ft 8 in 2 m
Turntable rotation	continuous	continuous
Platform rotation	160°	160°
Platform dimensions	6 ft (Standard) 8 ft (Optional)	6 ft (Standard) 8 ft (Optional)
Length x width, 6 ft	72 in x 30 in 1.8m x 76 cm	72 in x 30 in 1.8m x 76 cm
Length x width, 8 ft	96 in x 36 in 2.4m x 91 cm	96 in x 36 in 2.4m x 91 cm
Maximum capacity	500 lbs 227 kg	500 lbs 227 kg

	2WD/RT	4WD/RT
Maximum allowable side force		
ANSI and CSA	150 lbs 667 N	150 lbs 667 N
CE	90 lbs 400 N	90 lbs 400 N
Tires and wheels	**2WD Front Tires Only**	**2WD Rear, 4WD Front and Rear**
Tire size	12.5L-16SL	12-16.5 NHS
Tire ply rating	12	8
Tire contact area	88 sq in 568 sq cm	57 sq in 368 sq cm
Overall tire diameter	33.7 in 85.6 cm	33.2 in 84.3 cm
Tire pressure	45 psi 3.1 bar	45 psi 3.1 bar
Wheel diameter	16 in 40.6 cm	16 1/2 in 41.9 cm
Wheel width	10 in 25.4 cm	9 3/4 in 24.8 cm
Wheel lugs	8@ 5/8-18	9@ 5/8-18
Lug nut torque, dry Lug nut torque, lubricated	170 ft-lbs 130 ft-lbs	230 Nm 176 Nm
Fluid capacities		
Fuel tank		30 gallons 114 liters
LPG tank		33.5 pounds 15.2 kg
Hydraulic tank		45 gallons 170 liters
Hydraulic system (including tank)		50 gallons 189 liters
Drive hubs		17 fl oz 0.5 liters
Turntable rotation drive hub		8 fl oz 0.24 liters

Continuous improvement of our products is a Genie policy. Product specifications are subject to change without notice.

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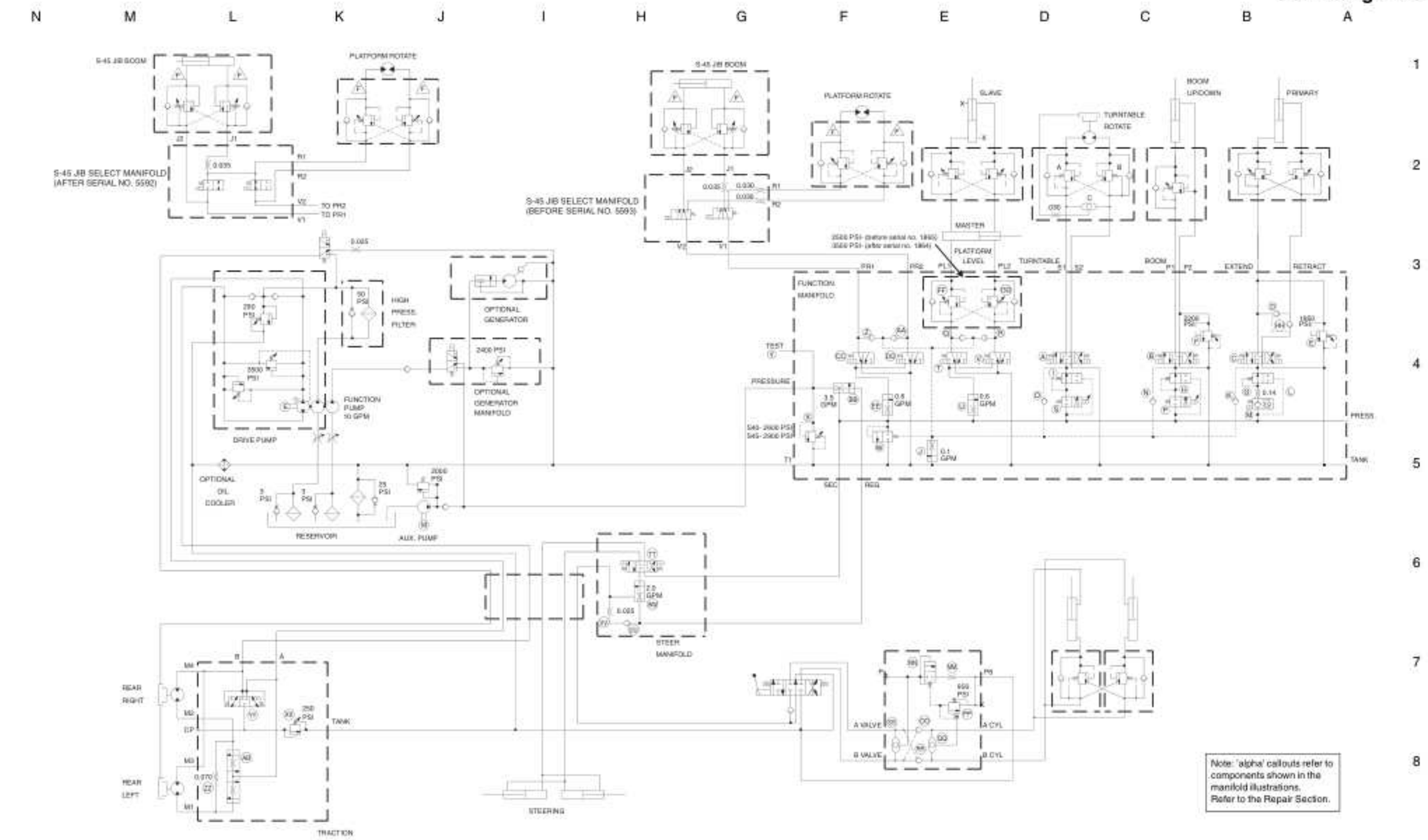
REV B FAULT CODE CHART

Fault Code	Problem	Cause	Solution
42	Heated Oxygen (HO2) sensor high voltage.	A leaking or malfunctioning fuel injector, misfiring cylinder, faulty TP sensor or contamination of fuel OR use of improper thread sealant on sensor threads OR sensor wires shorted to ground or poor terminal connections OR HO2 sensor is faulty.	Test for a leaking or malfunctioning fuel injector, misfiring cylinder or bad TP sensor. Remove HO2 sensor and check condition of sensor for contamination OR check for poor terminal connections or shorted wires from the HO2 sensor to the ECM to ground OR replace HO2 sensor.
43	Engine Coolant Temperature (ECT) sensor low voltage.	ECM detects excessively low signal voltage from the ECT sensor.	Check engine coolant level OR check for shorted wires or poor terminal connections from the ECT sensor to the ECM OR replace the ECT sensor.
45	Intake Air Temperature (IAT) sensor low voltage.	ECM detects an excessively low signal voltage from the IAT sensor.	The IAT sensor shares the same ground wire as the ECT and MAP sensors. Check for shorted wires or poor terminal connections from the IAT sensor to the ECT and MAP sensors to the ECM OR replace the IAT sensor.
51	Low oil pressure.	Faulty oil pressure switch, wires shorted to ground or not enough engine oil.	Check engine oil level OR check for shorted wires or poor terminal connections from the oil pressure switch to the ECM OR replace the oil pressure switch

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REV A

S-40/45 2WD Hydraulic Schematic Oscillating Axle

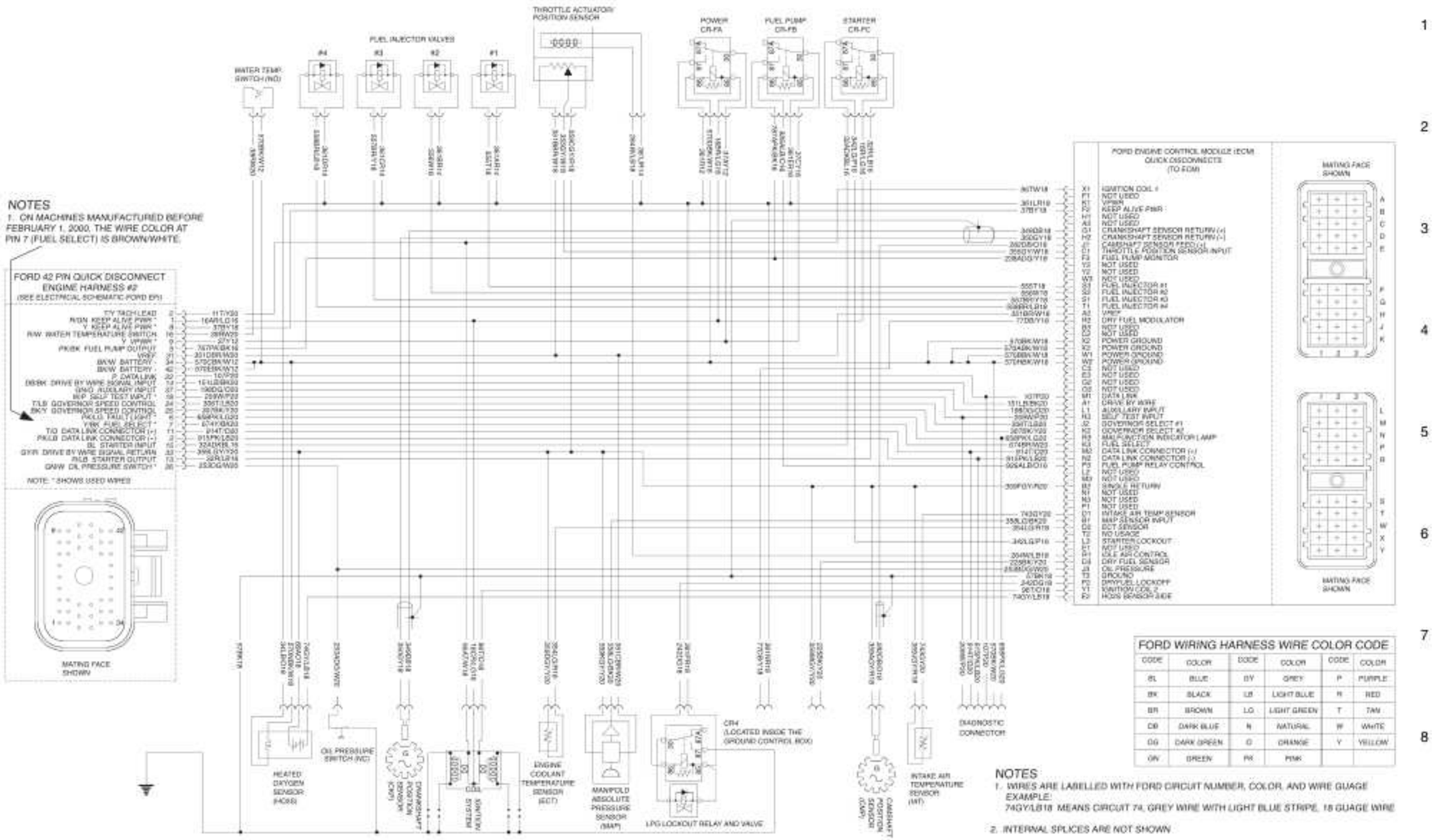


Note: 'alpha' callouts refer to components shown in the manifold illustrations. Refer to the Repair Section.

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REV A

Ford LRG-425 EFI
Engine Wire Harness



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