A TEREX COMPANY

Service and Repair Manual

Z®-135/70

Serial Number Range
from Z13505-101 to
Z13513-2000

This manual includes:
Repair procedures
Fault Codes
Electrical and
Hydraulic Schematics

For detailed maintenance procedures, refer to the appropriate Maintenance Manual for your machine.

Part No. 1268557GT
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Specifications

Machine Specifications

Tires and wheels	
Tire size	445/65D22.5, FF
Tire ply rating	18
Tire weight, new foam-filled (minimum)	815 lbs 370 kg
Overall tire diameter	46.5 in 118.1 cm
Wheel diameter	22.5 in 57.2 cm
Wheel width	13 in 33 cm
Wheel lugs	10 @ 3/4 -16
Lug nut torque, dry	420 ft-lbs 569.4 Nm
Lug nut torque, lubricated	320 ft-lbs 433.9 Nm
Fluid capacities	
Fuel tank	40 gallons 151.4 liters
Hydraulic tank	65 gallons 246 liters
Hydraulic system (including tank)	123 gallons 466 liters
Drive hubs	47 fl oz 1390 cc
Turntable rotation drive hub	40 fl oz 1183 cc
Drive hub oil type: SAE 90 multipurpose hypoid gear oil API service classification GL5	

Performance Specifications

Drive speed, maximum	
Stowed position, high speed	2.8 mph 4.5 km/h 40 ft / 9.7 sec 12.2 m / 9.7 sec
Raised or extended	0.7 mph 1.1 km/h 40 ft / 40 sec 12.2 m / 40 sec
Primary and Secondary booms raised, and Primary and Jib extended	0.4 mph 0.6 km/h 40 ft / 68.5 sec 12.2 m / 68.5 sec
Braking distance, maximum	
High range on paved surface	3 to 6 ft 1 to 2 m
Gradeability	See Operator's Manual

Boom function speeds, maximum from platform controls	
Jib boom up/down	38 to 43 seconds
Jib boom extend/retract	27 to 38 seconds
Primary boom up/down -60° to +70°	110 to 125 seconds
Primary boom extend/retract	35 to 48 seconds
Secondary boom up/down	80 to 95 seconds
Secondary boom extend/retract	88 to 98 seconds
Turntable rotate, 360° fully stowed	88 to 92 seconds
Turntable rotate, 360°jib or primary booms extended	160 to 180 seconds
Turntable rotate, 360°jib and primary booms extended	280 to 350 seconds

For operational specifications, refer to the Operator's Manual.

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

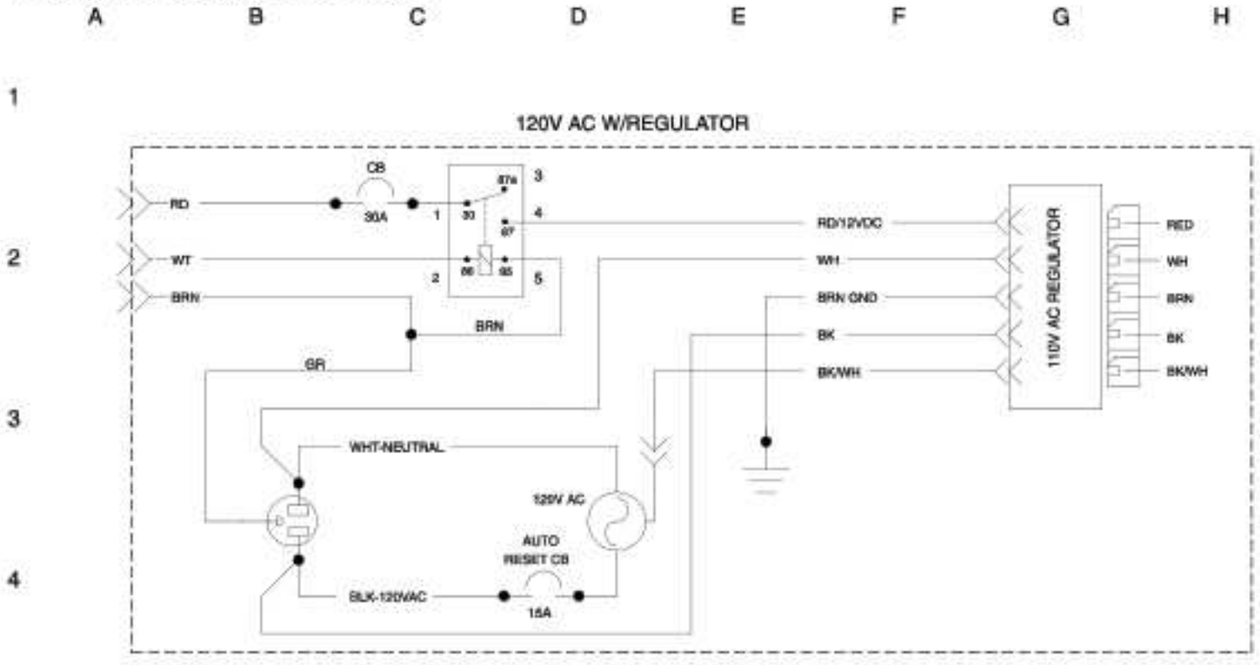
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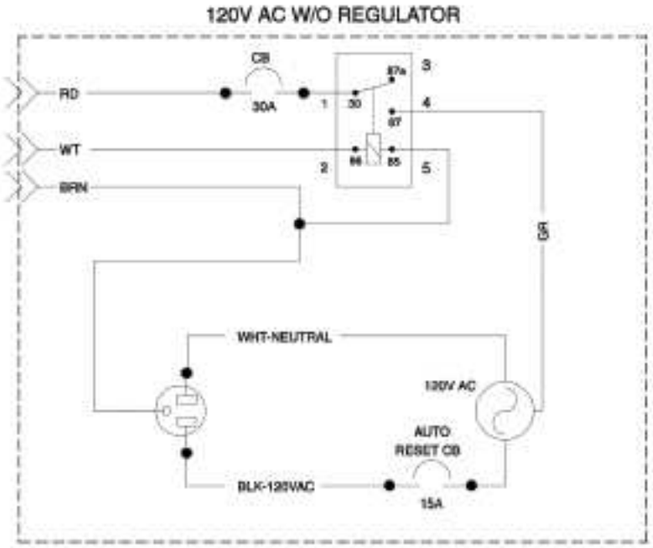
Fault Codes

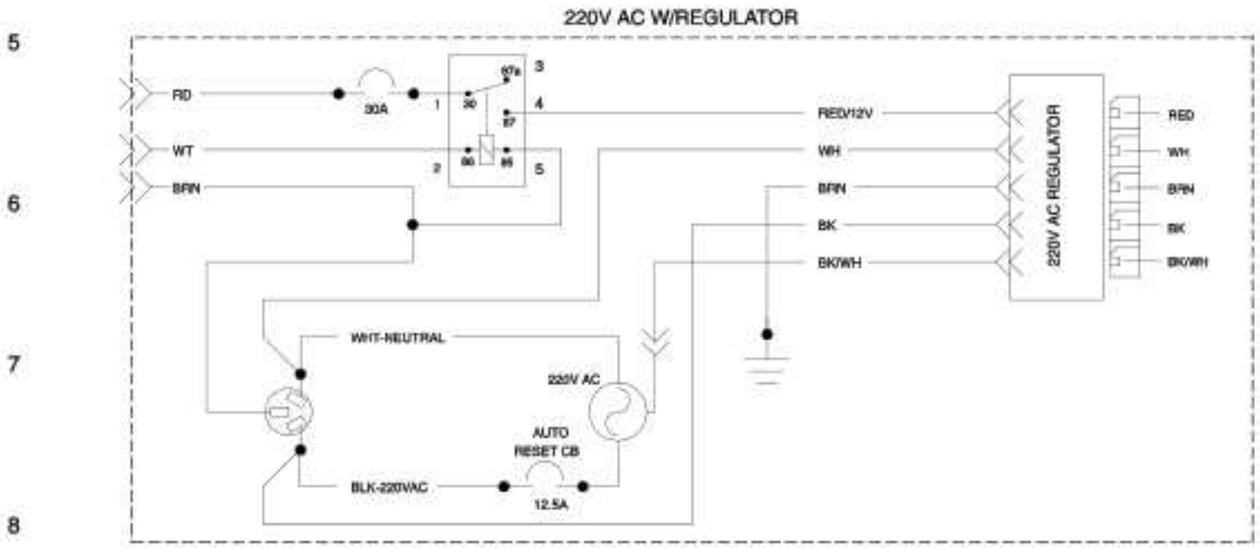
Error Source	Error Type	Effects	Recovery Actions
Right Rear Steer Angle Sensor	Value at 5.0 V	Primary up, Secondary up/down and Extend disabled, Alarm sounds	Check for an open ground circuit going to the sensor
	Value Too High	Primary up, Secondary up/down and Extend disabled, Alarm sounds	Sensor is out of range. Check sensor and actuating pin for proper installation. Repair or replace sensor and recalibrate.
	Value Too Low		
	Value at 0 V	Primary up, Secondary up/down and Extend disabled, Alarm sounds	Check for 5.0 VDC at the sensor. Check for damaged wiring going to the sensor. Check that the % .0 VDC LED is lit on the TCON board. Repair or replace as necessary
Steer Valves - LF, RF, LR, RR	Fault Check	Limited Speed and Direction frozen at zero and neutral, Alarm sounds	Check for defective or damaged wiring. Check for an open or shorted valve coil. Repair or replace as necessary.

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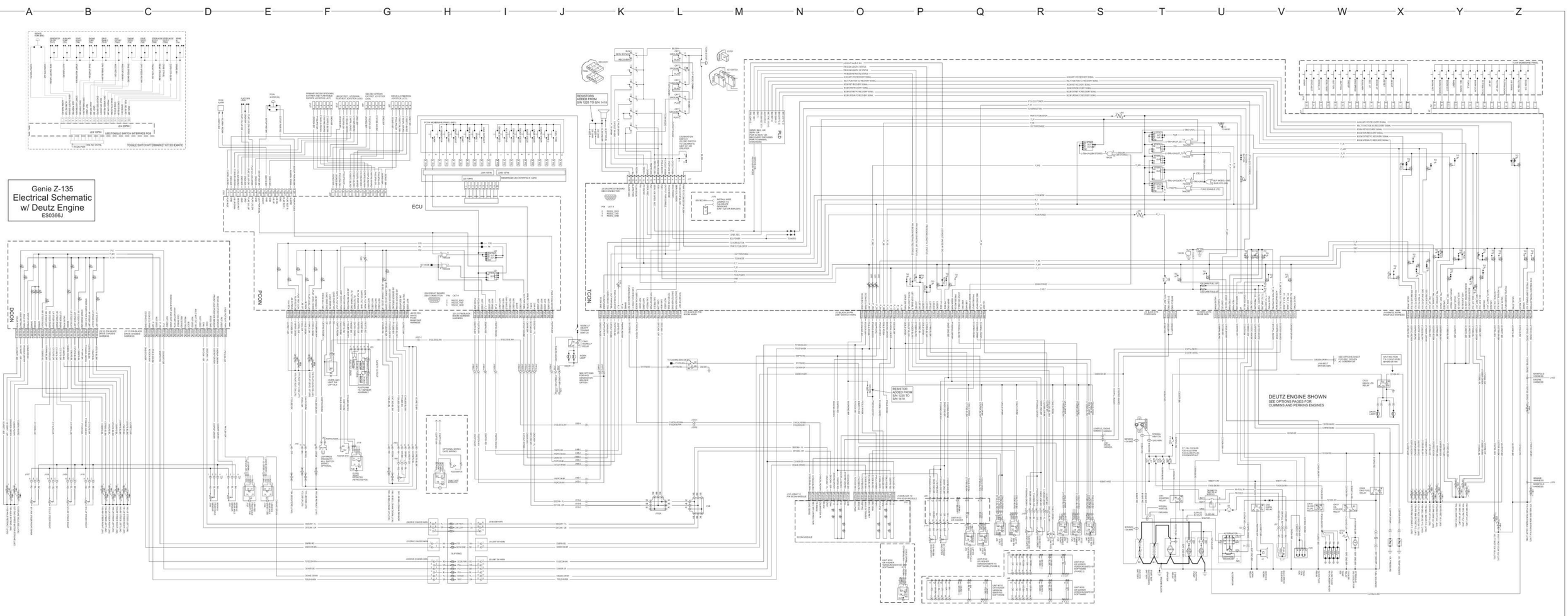
Generator Wiring Schematic







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