A TEREX COMPANY

Service and Repair Manual

GTH™-636

Serial Number Range

from GTH0615H-10001 to GTH0616H-10742

from GTH0615E-10000 to GTH0616E-10999

from GTH06E-11000 to GTH06E-11749

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

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

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Specifications

Machine Specifications

Tires and wheels	
Tire size	13.00 x 28
Tire ply rating	12
Weight, rough terrain tire (air filled)	335 lbs 151.9 kg
Weight, rough terrain tire (foam filled)	780 +50/-20 lbs 353 +23/-9 kg
Tire pressure (models with air-filled tires)	58 psi 4.3 bar
Lug nut torque	465 ft-lbs 630 Nm
Lug Pattern	8 x 10.826
Wheel diameter	28 in 71.12 cm
Wheel width	10 in 25.4 cm

Fluid capacities	
Fuel tank	27 gallons 102.2 liters
Hydraulic tank	34 gallons 128.7 liters
Hydraulic system (including tank)	46.5 gallons 176 liters

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Fault Codes



Observe and Obey:

- R Troubleshooting and repair procedures shall be completed by a person trained and qualified on the repair of this machine
- R Immediately tag and remove from service a damaged or malfunctioning machine.
- R Repair any machine damage or malfunction before operating the machine.
- R Unless otherwise specified, perform each procedure with the machine in the following configuration:
  - Machine parked on a firm, level surface
  - Boom in the stowed position
  - Key switch in the off position with the key removed
  - Wheels chocked

Before Troubleshooting:

- R Read, understand and obey the safety rules and operating instructions in the appropriate operator's manual on your machine.
- R Be sure that all necessary tools and test equipment are available and ready for use.
- R Read each appropriate fault code thoroughly. Attempting short cuts may produce hazardous conditions.
- R Be aware of the following hazards and follow generally accepted safe workshop practices.

⚠WARNING Electrocution/burn hazard. Contact with electrically charged circuits could result in death or serious injury. Remove all rings, watches and other jewelry.

Note: Two persons will be required to safely perform some troubleshooting procedures.

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Harness Map Legend

Base Harnesses (included in all models)

Item	Part	Description
1	1256695	Harness, Dashboard
2	826147	Harness, Secondary Manifold
3	1256744	Harness, Telematics
4	826149	Harness, Transmission
5	1258119	Harness, Throttle Pedal
6	214443	Assembly, Foot Switch
7	231257	Cable, Battery Black 2/0
8	237933	Harness, Pcb Ground
9	161444	Assembly, Ground Buss
10	824612	Plate, Buss Bar
11	219457	Harness, Backup Alarm

Joystick Options Harnesses

Item	Part	Description
12	1251849	Controller, Hyd Erg0,2 Switches
13	1254088	Harness, Primary Manifold SJ
14	1256522	Harness, Primary Manifold DJ

Engine Options Harnesses

Item	Part	Description
15	823005	Harness, Engine ECU, TD2.9
16	823349	Harness, Engine Base, TD2.9
17	1251991	Cable, Battery, Red 2/0

Aux. Hydraulics Option Harness

Item	Part	Description
18	1229681	Harness,auxiliary Hydraulics

Beacon Light Option Harnesses

Item	Part	Description
19	229683	Harness Beacon Light
20	229682	Harness, Power, Beacon Light

3rd Gear Lockout Option Harness

Item	Part	Description
39	1162281	Harness, 3rd Gear Bypass

Work Light Option Harnesses

Item	Part	Description
21	1258527	Harness, Light, Led, Clear, 5" Round
22	1258775	Harness Cab Light Power
23	1256520	Harness, Boom Light Power
24	237934	Harness, Backup Light
25	1258528	Harness, Work Lights

Road Light Option Harnesses

Item	Part	Description
21	1258527	Harness, Light, Led, Clear, 5" Round
22	1258775	Harness Cab Light Power
23	1256520	Harness, Boom Light Power
24	237934	Harness, Backup Light
26	1255589	Harness, Road Lights
27	229677	Harness, Taillight Led
28	1253241	Harness,light,drive,clear,3led
29	1255647	Harness, Light, Turn Signal,ambr
30	1258919	Harness, Front Lights Power

Enclosed Cab With Hvac Option Harnesses

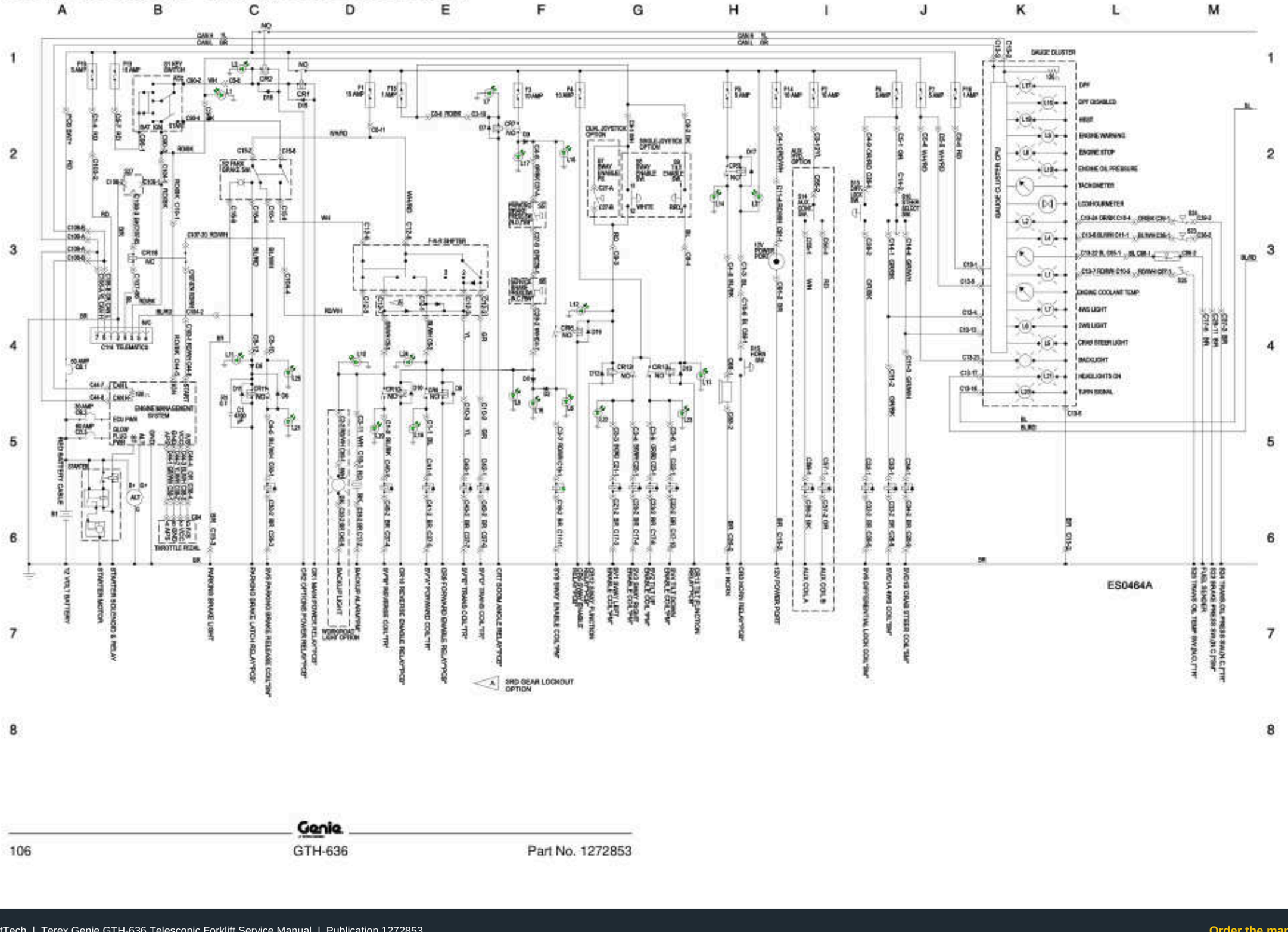
Item	Part	Description
31	1257913	Harness, Enclosed Cab
32	234859	Harness, Cab Fan
33	233940	Harness, Power, Dome Light
34	123817	Dome Light With Connector
36	238126	Harness, Cab A/C
37	1258956	Harness, A/C GTH636
38	1260044	Fan Assy, Condenser 12V 18A

Enclosed Cab With Heat Option Harnesses

Item	Part	Description
31	1257913	Harness, Enclosed Cab
32	234859	Harness, Cab Fan
33	233940	Harness, Power, Dome Light
34	123817	Dome Light With Connector
35	234861	Harness, Cab Heater

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Electrical Schematic - View 1 (to SN GTH06E-11749)



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