

Table of Contents

1.0 Company Information 1.1 Address 1.2 Contacts	2.0 Dealer Information 2.1 Assignments 2.2 Locations
3.0 Warranty 3.1 Warranty Policy 3.2 Claim form	4.0 Model Information 4.1 Numerological Identification 4.2 Serial Number Location
5.0 Engine Information 5.1 Manufacturer's Documents 5.2 Manufacturer's Service Locations	6.0 Spare Parts for repairs 6.1 Engine 6.2 Frame 6.3 Alternator 6.4 Electrical
7.0 Tools & Accessories	8.0 Literature & Promotional Items

Service Manual – February 2010

1.0 Company Information

1.1 Address

ALTEN Battery Chargers Inc.
Suite 115, 7058 Portal Way
Ferndale, WA, 98248

1.2 Contacts

Phone: 888.662.5836
Fax: 888.662.5836
email: info@altenbatterycharger.com
Web: www.altenbatterychargers.com

2.0 Dealer Information

2.1 Assignments

Dealer inquiries - Established businesses that sell and service DC products such as batteries, battery chargers, DC generators, DC apparatus and DC appliances are welcome to apply.

2.2 Locations & Contacts

See current listing of recognized dealers on our web site under "how to buy".

3.0 Warranty

3.1 Warranty Policy & Claim Form

See ALTEN Warranty Policy on our web site under "downloads"

ALTEN Battery Chargers Inc. is a recognized Distributor - Original Equipment Manufacturer (D-OEM) of Honda and Hatz Engines.

Honda engines carry separate warranty policies stated in the following links:

<http://www.honda-engines.com/P-PWL50372-M.Eng.Dist.Ltd.Warranty.TO930.pdf>

Hatz engines carry separate warranty policies for non-road engines published on page 39 of the Hatz Instruction booklet that is included with the ALTEN product and also found on the Hatz web site under the following link:

http://www.hatz-diesel.de/fileadmin/user_upload/betriebsanleitungen/1b/BA_1B20_englisch.pdf

Honda and Hatz engines under warranty may be serviced through your local authorized Honda engine dealer/distributor nearest you. Follow link to: <http://www.honda-engines.com/dea.htm> or <http://www.hatzusa.com/map.php>

Service Manual – February 2010

4.0 Model Information

4.1 Numerological Identification Example:

G	12	120
---	----	-----

1 - Engine Type

"G" – Gas Engine (Honda)

"D" – Diesel engine (Hatz)

2 - Charge Voltage

"12" – 12 Volt DC (Low 14.0 volt – High 14.8 Volt)

"24" – 24 Volt DC (Low 28.0 volt – High 28.8 Volt)

3 – Alternator Current – Amps

"55", " 80", "120" - 12 volt models

"45" amp - 24 volt model

4.2 Serial Number & Location

A multi digit (alphanumeric) serial identification number etched into the aluminum engine housing is located on the side of the each engine is the registered serial number for each unit. This serial number is recorded along with the sales invoice for each assembled unit sold to customers directly or through ALTEN dealers.

ALTEN Battery Chargers Inc. is a recognized Distributor - Original Equipment Manufacturer (D-OEM) of Honda and Hatz Engines.

5.0 Engine Information

5.1 Engine Manufacturer's Documents

Engine manufacturers Operation and Service manuals are included with each unit and can be found on their web sites:

www.honda-aengines.com

www.hatzusa.com

Engine Manufacturer's Service Centers

Honda and Hatz engines may be serviced through your local authorized Honda and Hatz engine dealer/distributor nearest you. Follow link to: <http://www.honda-aengines.com/dea.htm> or <http://www.hatzusa.com/map.php>

6.0 Required Service

6.1 Inspection & Checks

Review and follow ALTEN's published Operating manual for safe operation. Review and follow the engine manufacturers Operating manual for safe operation. Both manuals are located on our web site under "downloads".



Use Unleaded Gas Only in Honda engines



Use Low Sulfur or Ultra Low Sulfur Diesel Fuel in Hatz engines

Important: Check oil level before each use or 6-12 hours of operation. Change oil as per engine manufacturers recommended schedule. Review engine manufacturers operator manual provided with the unit and found on our web site under “downloads”.

6.2 Spare Parts - Contact ALTEN for spare parts pricing.

Spare Parts Description	ALTEN Model – Honda Gas Engine Type			
	G12/55 – GXH50	G12/80 – GX100	G12/120 – GX160	G24/45 – GX160
Air Filter (cartridge)	17211-ZM7-000	17211-ZL8-023	17210-ZE1-505	17210-ZE1-505
Air Filter (foam pre-clean)	-	17218-Z0D-000	17218-ZE1-505	17218-ZE1-505
Body Gasket - (recoil)	-	-	12391-ZE1-000	12391-ZE1-000
Body Gasket - (drive)	-	-	11381-ZL0-000	11381-ZL0-000
Head Gasket	-	-	12251-ZL0-800	12251-ZL0-800
Gas Tank Cap	17620-ZL8-013	17620-ZL8-013	17620-ZH7-023	17620-ZH7-023
ND Spark Plug	-	98056-55757	98079-56855	98079-56855
NGK Spark Plug	98056-55777	98056-55777	98079-56846	98079-56846
Muffler	18310-ZM7-003	18310-ZM0-000	18310-ZF1-000	18310-ZF1-000
Muffler Gasket	-	18381-Z0D-000	18381-ZH8-800	18381-ZH8-800
Complete Recoil Replacement Kit (1,2&3)	28400-ZM7-003	28400-Z0D-003ZB	-	-
(1) Ratchet Assembly	-	-	28422-ZH8-013	28422-ZH8-013
(2) Recoil Housing	-	-	28442-ZH8-003	28442-ZH8-003
(3) Rope Assembly	28462-ZM7-003	28462-Z0D-003	28462-ZH8-003	28462-ZH8-003
Dash Panel	DP12	DP12	DP12	DP24
Dash Panel with Digital Display	DDP12	-	-	-
Alternator	AL71N	AL72N	AL72N	AL206
Coupler Set	ALC1	ALC2	ALC3	ALC3
Cable Assembly	ALC10	ALC6	AL6	AL6

Spare Part Description	ALTEN Model – Hatz Diesel Engine Type			
	D12/120–1B-20	D24/45-1B20	D12/220–1B30	D24/110–1B30
Air Filter	50426000	50426000	50426000	50426000
Fuel Filter	50478800	50478800	50478800	50478800
Oil Filter	01542702	01542702	01542702	01542702

Service Manual – February 2010

Emergency Repair Kit	01554420	01554420	01582520	01582520
1000 Hour Maintenance Kit	01554310	01554310	01582410	01582410
Tool Kit	01330901	01330901	01330901	01330901
Complete Recoil Replacement Kit	01865200	01865200	01865200	01865200
Dash Panel	DP12	DP24	AS12	AS24
Alternator	AL72N	AL206	AL89N	AL99N
Coupler Set	AL/LJ1	AL/LJ1	AL/LJ1	AL/LJ1
Cable Assembly	ALC10	ALC6	ALC6	AL6

7.0 Tools

7.1 A combination of metric and imperial tool sizes are required to service our units.

8.0 Documents & Literature

8.1 ALTEN's web site contains service manuals, operator manuals, warranty policy, related manufacturer documents, specification and sales brochures.