

TECHNICAL INFORMATION



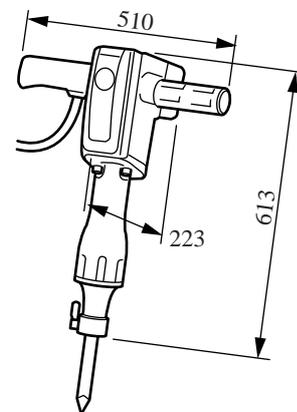
New Tool

Models No. ▶ HM 1400

Description ▶ MAKITA Electric Breaker

CONCEPTION AND MAIN APPLICATIONS

This product is the one remodeled from 8600S with double insulation to comply with the request from overseas in order to increase sales. This is the model for export, which has been developed for sales promotion.



▶ Specifications

Voltage(V)	Current(A)	Frequency(Hz)	Consumed power(W)	Rated output(W)	Max. output(W)
100	13	50-60	1240	660	1000
115	11	50-60	1240	660	1000
200	6.5	50-60	1240	660	1000
220	5.9	50-60	1240	660	1000
230	5.7	50-60	1240	660	1000
240	5.4	50-60	1240	660	1000

Blows per minute	1200 min
Tool size	30mm hex.
Use	For striking(chisel finishing by bull point, cold chisel or scaling chisel, ground digging by shovel, leveling by rammer etc.)
Net Weight(kg)	17kg
Cord length(m)	5m

▶ Standard equipment

Hexagonal spanner 5,6
Bull point 30-410
Wooden box

▶ Optional accessories

Bull point
Cold chisel
Scaling chisel
Shovel
Rammer etc.
Common to 8600S, HM1300, HM1301

▶ Features and benefits

1. Double insulation for electrical safety.
2. Same features as 8600S as shown below;
 - Can keep working position comfortable due to easy handling by T-type and lever type switch
 - No lubrication for 150 hours by grease- packed type
 - Shut-off brush adopted to inform the time of check and lubrication

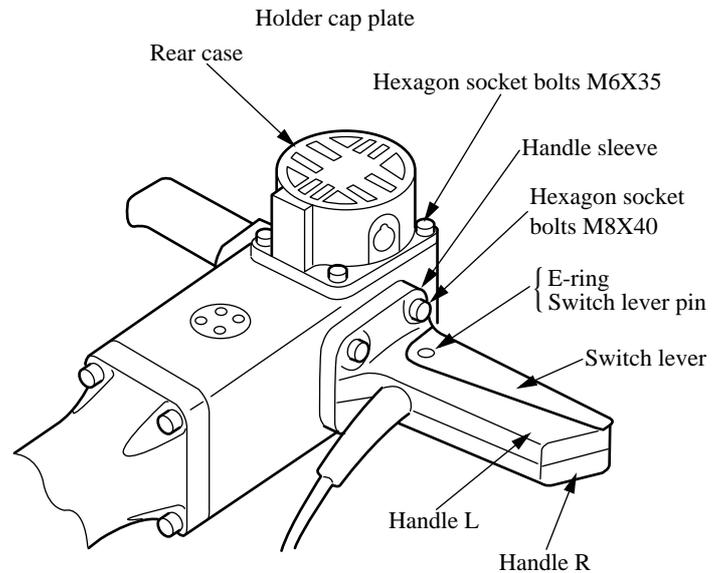
The standard equipment for the tools shown may differ form country to country

► Repair

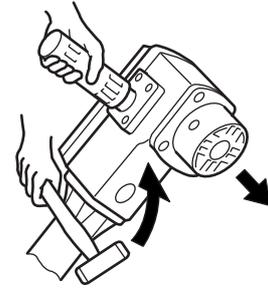
1. Replacement of armature and field

Disassembly: follow the next procedure

- (1) Take off E-ring, switch lever pin and switch lever from the handle.
- (2) Take off two hexagon socket bolts M8x40 for mounting handle L and pull out handle sleeve more than 2mm.
- (3) Remove three pan head machine screws M5x30 mounting handle L and handle R. Then, take out handle L.
- (4) Take off field lead wire from the switch terminal.
- (5) Take off two hexagon socket bolts M8x40 for mounting handle R and take out handle R from crank housing.

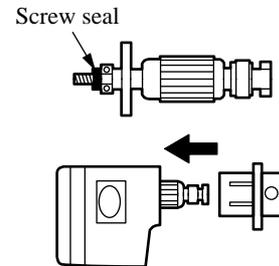


- (6) Remove holder cap plate, holder cap and carbon brushes.
- (7) Take off four hexagon socket bolts
M6x35 for mounting rear case and remove rear case.
- (8) Tap crank housing by resin hammer to remove motor housing.
- (9) Motor housing, field, and armature are removed together.
Then, disassemble them in the same way as in other models.



Assembly: Follow the opposite procedure to the disassembly. Make sure of the following points;

- (1) Mount screw seal to armature.
- (2) First insert armature to crank housing,
then insert motor housing.
- (3) Be sure to insert flat washer 24 at assembling rear case.
Ensure the mounting direction of rear case.
- (4) Be sure of mounting field lead wire without slack.



2. Other procedures in disassembly and assembly are the same as in #8600S.

