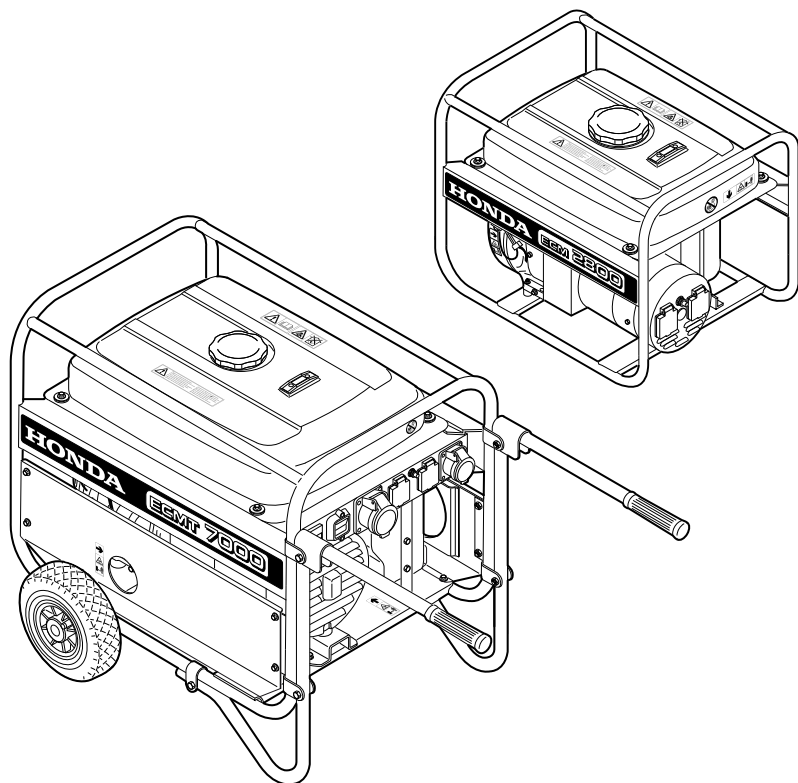


**GENERATING SET
ECM2800 - ECMT7000**



OWNER'S MANUAL



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INTRODUCTION

You are now the owner of a Honda generating set: thank you for your confidence in us.

This manual has been written to help you to become familiar with your generating set. We advise you to read it carefully before starting the machine so that you are aware of the precautions you need to take when using it; the manual also contains the information you need to carry out proper maintenance.

So that you benefit fully from our experience and from the latest developments in technology, equipment or materials, our models are regularly improved; for this reason the information contained in this manual is subject to change without notice and without any obligation to update it.

If a problem should arise, or if you have any questions about the generating set, please contact your dealer or an approved Honda stockist.

Keep this manual to hand, so that you can consult it at any moment. If the generating set is re-sold, the manual should be included with it.

We recommend that you read the guarantee to understand your rights and responsibilities. The guarantee is a separate document supplied by your dealer.

SAFETY INSTRUCTIONS

TO ENSURE YOUR SAFETY AND THE LONG LIFE OF THE EQUIPMENT, PLEASE PAY PARTICULAR ATTENTION WHEN READING THIS MANUAL TO THE SECTIONS PRECEDED BY THE FOLLOWING HEADINGS:

WARNING :

Warning against risk of severe personal injury or death if instructions are not followed.

CAUTION :

- *Warning against risk of personal injury or damage to equipment if instructions are not followed.*

NOTE: source of helpful information.



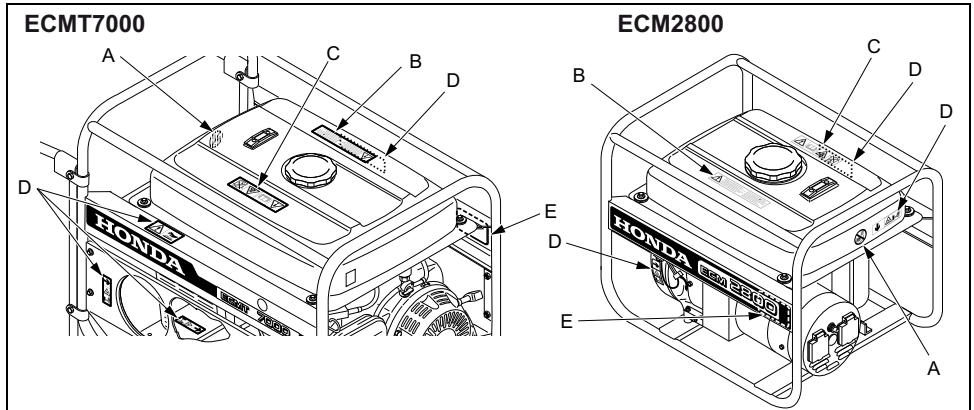
This sign warns you to take care when carrying out certain operations. Refer to safety instructions on [page 6](#), to the points indicated in the box(es).

SAFETY LABELLING

Your generating set must be used with care. Therefore, decals have been placed on the machine, to remind you pictorially of main precautions to take during use. Their meaning is explained below.

These decals are considered as a part of the generating set. Should one become detached or unreadable, contact your Honda dealer for its replacement.

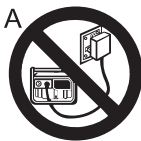
We also strongly recommend you carefully read the safety instructions given in the next chapter of this manual.



This Honda generating set is designed to give safe and reliable service if operated in accordance with the instructions.

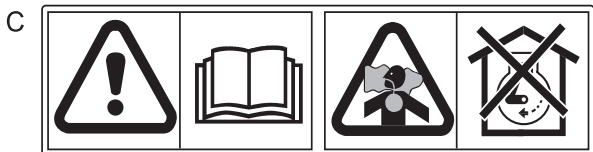
Before using the generating set, please read the contents of this manual and make sure you have understood them. Failure to do so could result in injury to yourself and damage to the equipment.

SAFETY INSTRUCTIONS



Do not connect the generating set to the mains or to the public network.

	(GB) STOP THE ENGINE BEFORE REFUELING.	(P) DESLIGUE O MOTOR ANTES DE ABASTECER.
	(F) ARRETEZ LE MOTEUR AVANT DE REFAIRE LE PLEIN.	(GR) STÁNG AV MOTORN FÖRE BRÄSLEPÄFYLLNING.
	(D) VOR AUFTANKEN MOTOR ABSTELLEN.	(S) STÁNG AV MOTORN FÖRE BRÄSLEPÄFYLLNING.
	(I) ARRESTARE IL MOTORE PRIMA DI FARE RIFORMIMENTO.	(DK) STOP MOTOREN FOR BRAENDSTOFFPÄFYLDNING.
	(NL) STOP DE MOTORE ALVORENS BIJ TE TANKEN.	(N) SLÅ AV MOTOREN FOR PÄFYLLING.
	(E) PARE EL MOTOR ANTES DE REPOSTER.	(SF) SMMMUTA MOOTTORI ENNEN TANKKAUSTA.



WARNING:

- Read the owner's manual.
- The exhaust gas contains poisonous carbon monoxide.
- Never run the generating set in closed area.



WARNING:

- The muffler becomes very hot during operation and remains hot for a while after stopping the engine.
- Let the engine cool before storing the generator indoors.

	Honda France Manufacturing S.A.S. Rue des Châtaigniers - Pôle 45 ← 6 45140 Ormes France		
		EC 200	← 5 ← 4 ← 3
1	2		

IDENTIFICATION OF THE MACHINE

1. Sound power level, according to the directive 2000/14/EC
2. Conformity mark, according to MD/98/37/EC modified directive
3. Year of manufacture
4. Serial number
5. Type
6. Name and address of the manufacturer

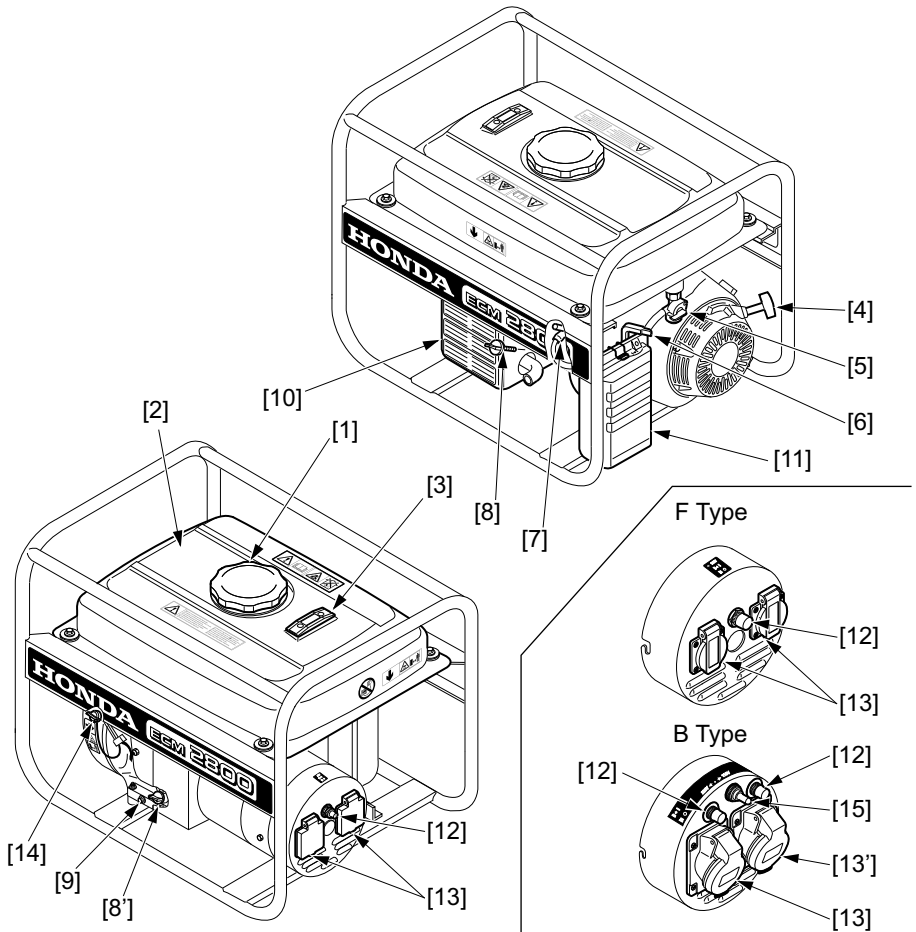
SAFETY INSTRUCTIONS

1. It is vital to know how to stop the generating set quickly and to know how to use all the controls. Never allow anyone not familiar with the instructions to use the generating set.
2. Do not allow children under fourteen years of age or animals to approach the generating set when it is in operation.
3. Before starting the generating set, always carry out pre-operational checks in order to avoid accidents or damage to the equipment.
4. Site the generating set at least 1 metre from buildings or other equipment when it is in use.
5. Do not run the engine in a confined area; the exhaust gases contain carbon monoxide, which is a lethal, odourless gas. Ensure that there is adequate ventilation.
When the generator is installed in a ventilated room, additional requirements for fire and explosion protection shall be observed.
6. The generating set should be used on a horizontal surface. Petrol spillage might result if the generating set is not level.
7. Petrol is a highly flammable substance which can explode under certain conditions. Store fuel in containers specially designed for this purpose. Do not keep petrol, or the machine when it contains petrol, in a dangerous place. Do not smoke when handling fuel, and do not allow naked flames near the generating set. Fill up with fuel in a well ventilated area. Never open the fuel tank when the engine is running or still hot. If petrol has been spilt, move the machine and wait for the petrol to evaporate and for all vapour to dissipate before starting the engine. After using the generating set, close the fuel shut-off valve. Avoid any repeated or prolonged contact of petrol with the skin as well as any inhalation of petrol vapour. Engine oil is toxic and flammable. Pay attention not to spill.
8. Do not touch rotating parts, the spark plug lead or the muffler when the generating set is in operation.
Some parts of the internal combustion engine are hot and may cause burns. Pay attention to the warnings on the generating set.
9. A generating set can cause electrocution when not used correctly; do not handle it with wet hands. Do not get the generating set wet or use it in the rain or snow.
10. The generating set must not be connected to other power sources, such as the public supply mains. In special cases where stand-by connection to existing electrical systems is intended, it shall only be performed by a qualified electrician in accordance with all laws and regulations in force in your country(*) for electrical installations. An incorrect connection can cause reverse electric current from the generating set to flow through the public supply, resulting in the electrocution of anyone working on the mains network. Moreover, the generating set could explode, catch fire, or cause a fire to start in the wiring of the building once the mains supply has been re-established.
11. Electrical equipment (including lines and plug connections) should not be defective.
12. Instructions for use relating to the safety of persons are given in the chapter entitled "GENERATING SET USE" in this manual. It is essential to refer to those instructions.
13. If you work nearby an operating generator, we strongly recommend to wear some ear protectors.

(*) Please contact our official distributor who will inform you about the applicable guidelines.

GENERAL DESCRIPTION

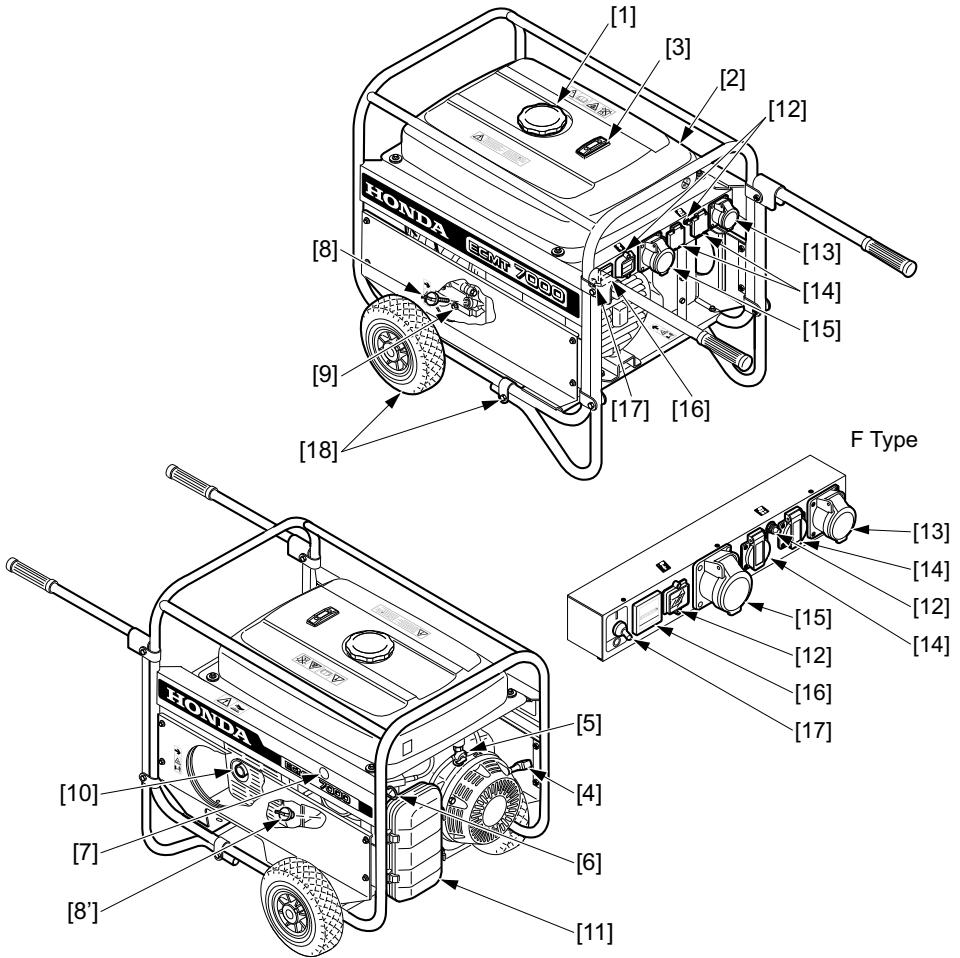
ECM2800 GV, VW types



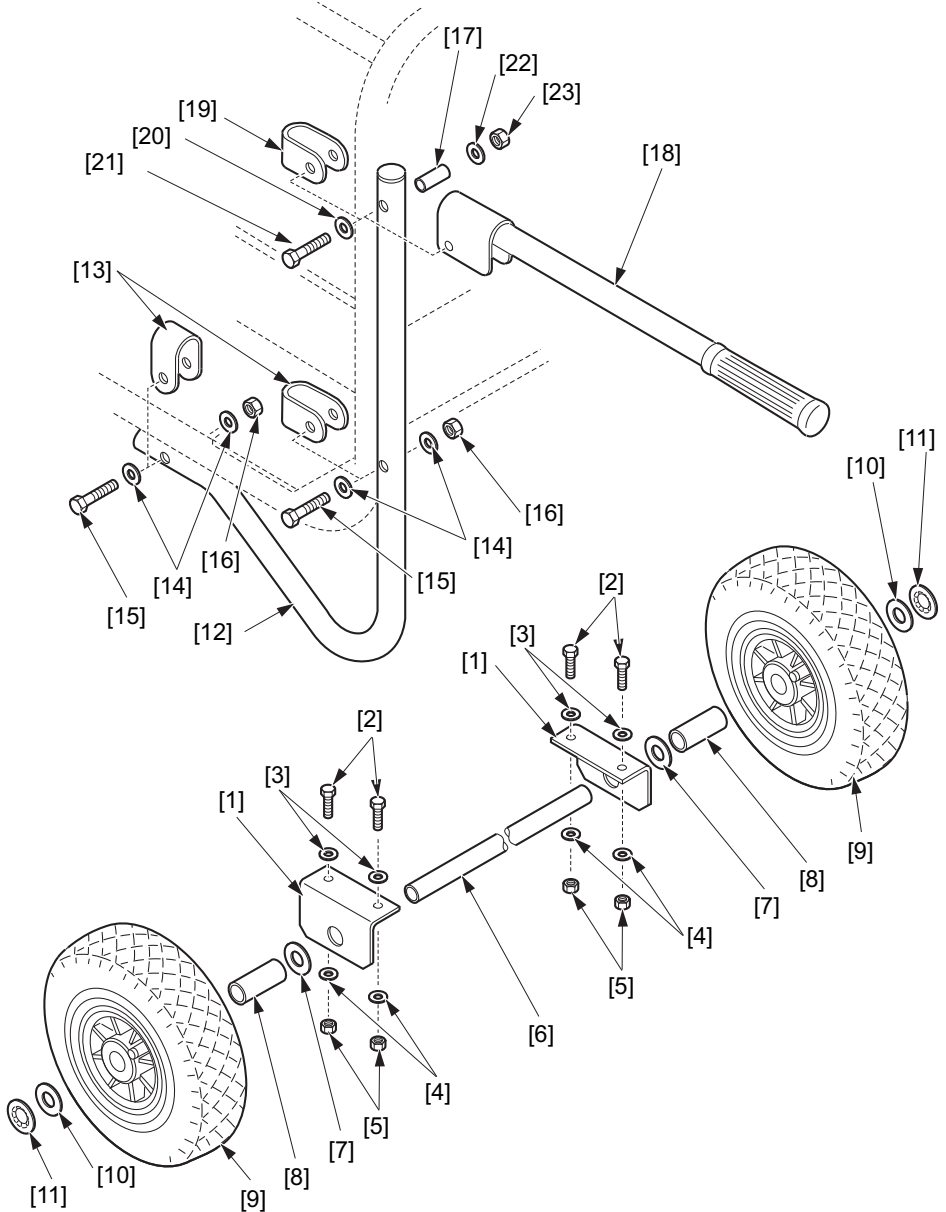
- | | |
|---|---|
| [1] Fuel filler cap | [9] Engine oil drain plug |
| [2] Fuel tank | [10] Muffler |
| [3] Fuel level indicator | [11] Air cleaner |
| [4] Recoil starter grip | [12] Thermal circuit breakers |
| [5] Fuel shut-off valve | [13] Receptacles 230V/16A (blue) F, GV, B types |
| [6] Choke lever | [13'] Receptacle 115V/16A (yellow) B type |
| [7] Spark plug cap | [14] Engine switch |
| [8] Oil filler cap / Dipstick | [15] Voltage selector switch 115/230 V, B type |
| [8'] Oil filler cap (choice of [8] or [8'] as required) | |

GENERAL DESCRIPTION

ECMT7000, GV type



ASSEMBLY OF TRANSPORT KIT



The ECMT7000 generating set is supplied with a transport kit whose handles and wheels can be removed. This kit must be assembled according to the numerical order of the parts listed above. Full tightening of the screws [2] must only be done after the spacers [8] have been assembled.

PRE-OPERATION CHECK

⚠ WARNING :

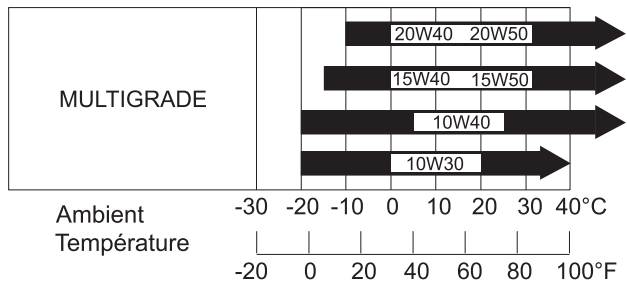
To carry out this series of checks, place the generating set on stable and horizontal ground, with the engine off and the spark plug cap removed. Be careful not to touch the hot metallic parts of the engine when checking the oil level.

CHECKING THE OIL LEVEL

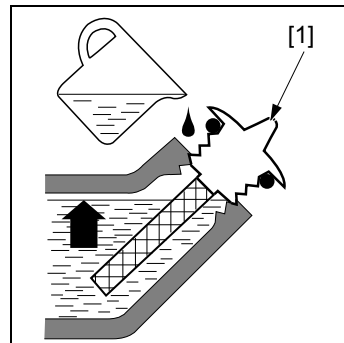
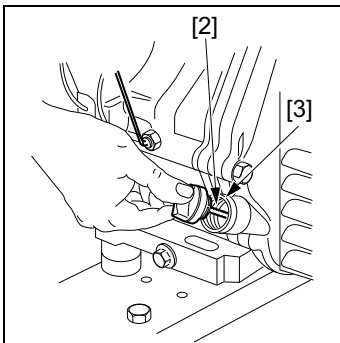
CAUTION :

- *The engine oil is an important factor which affects the engine's performance and its operational life.*
- *Running the engine with insufficient oil can seriously damage the engine.*
- *Use of non-detergent or vegetable oils is not recommended.*

Use Honda 4-stroke oil or a highly detergent engine oil of equivalent quality, classified as API categories SG, SF. SAE 10W40 oil is recommended for general use at all temperatures, but it is suggested that a viscosity appropriate to the average temperature in the area of use is chosen from the table.



1. Remove the oil filler cap [1] and wipe the dipstick [2] with a clean cloth.
2. Insert the dipstick in the oil filler tube [3] without screwing it.
3. If the level is too low, top up with the recommended oil to the top of the oil filler tube.



PRE-OPERATION CHECK

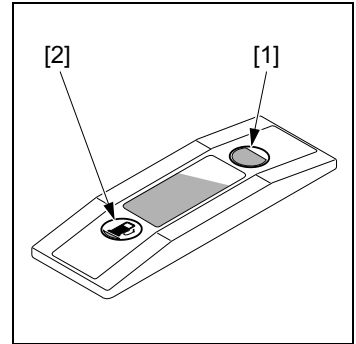
CHECKING THE PETROL LEVEL



SAFETY

7

1. Check the petrol level on the level indicator:
full [1], empty [2].
2. Fill up if the level is low.



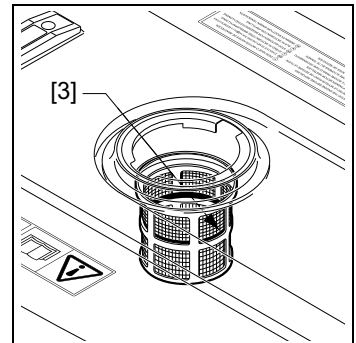
! WARNING :

Do not fill the tank above the red mark [3] located in the filling port. After having filled the tank, check that the fuel filler cap is tightened as far as it will go. DO NOT LEAVE FUEL WITHIN REACH OF CHILDREN.

CAUTION :

- Never use a gas-oil mixture.
- Only use unleaded petrol 95 or 98.
- Take care to ensure that no dirt or water gets in the fuel tank.
- Do not use dirty or contaminated fuel (water, dust, ...), or fuel which is too old. The quality of unleaded petrol deteriorates with time. Do not keep fuel for more than one month.

Capacity of fuel tank: 14.2 ℓ (ECM2800)
22.8 ℓ (ECMT7000)



Petrol containing alcohol

The use of petrol containing alcohol is advised against.

However, if this is used as fuel, ensure that its octane rating is as high as that recommended by Honda. Two types of alcohol/petrol mixtures exist: one containing ethanol, the other methanol.

Do not use a mixture containing more than 10 % ethanol, or containing any methanol (methyl alcohol or wood alcohol), without cosolvents or corrosion inhibitors for methanol.

Where a mixture containing methanol (with the addition of cosolvents and corrosion inhibitors) is used, limit the proportion of methanol to 5 %.

NOTE: The guarantee does not cover damage caused to the fuel circuit, nor does it cover engine performance problems resulting from the use of fuels containing alcohol. Honda cannot approve the use of fuel containing methanol insofar as their characteristics have not yet been proved appropriate.

GENERATING SET USE

STARTING THE ENGINE



SAFETY

2

4

5

6

CAUTION :

- Never start-up the generating set with devices connected to the receptacles, this could cause their deterioration.

1. Open the fuel shut-off valve [1] (in the direction of the "ON" arrow), close the choke by pulling the lever [2] as shown.

NOTE: do not use the choke when the engine is warm or the ambient temperature is high.

2. Set the engine switch [3] to "ON".

ECM2800



STOP



ON

ECMT7000



STOP



ON

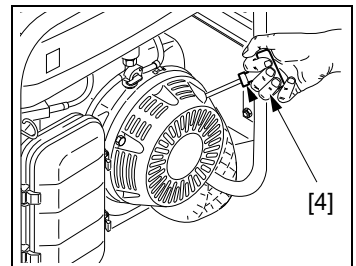
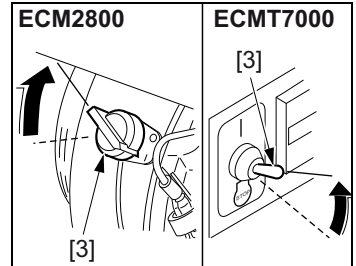
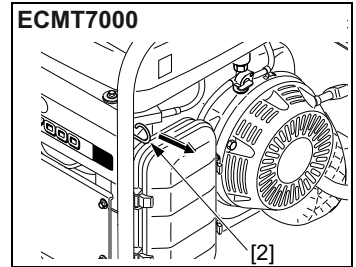
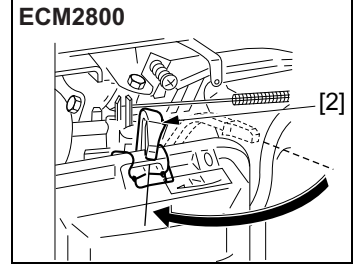
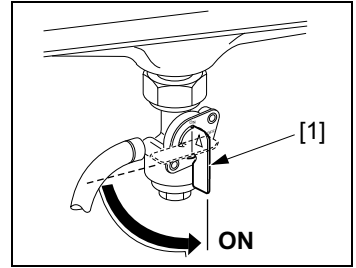
3. Pull lightly on the recoil starter grip [4] until you feel it resists, then pull sharply.

This precaution is necessary to reduce the dangers of injury caused by the sudden change of rotation direction of the engine.

CAUTION :

- Do not let the recoil starter grip return sharply against the engine. Bring it back gently to avoid damaging the starter.
- Never use starting additives composed of flammable and volatile substances which might cause an explosion on starting the engine.
- When running, do not touch the recoil starter grip as this could damage the engine and/or the starter.

4. When the engine starts to warm-up, gradually bring the choke lever [2] in the opposite direction to the arrow.



GENERATING SET USE

OIL ALERT SYSTEM

The oil alert system is designed to prevent any risk of damage to the engine caused by insufficient oil in the oil pan. As soon as the oil level drops below the safe limit, the oil alert system automatically shuts down the engine (the engine switch remains in the "ON" position). Use of the starter will not restart the engine until the oil level has been topped up.

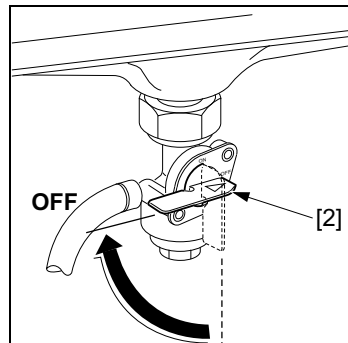
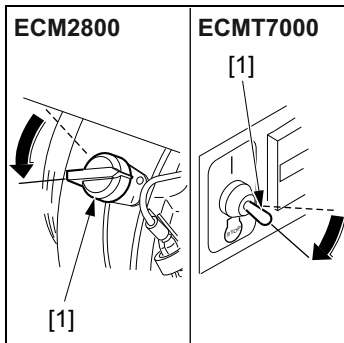
STOPPING THE ENGINE



SAFETY

1

1. Disconnect all appliances connected to the generating set receptacles.
2. Set the engine switch [1] to "STOP".
3. Close the fuel shut-off valve [2].



HIGH ALTITUDE OPERATION

At high altitude, the carburettor air/petrol mixture is very rich, causing a drop in engine performance and an increase in fuel consumption.

When using the generating set at an altitude of over 1800 metres above sea level, a smaller diameter jet needs to be fitted to the carburettor and the pilot screw adjusted. This must be carried out by your Honda dealer.

In spite of a proper adjustment to the fuel feed system, engine power will still decrease by 3.5 % for every 300 metre increase in altitude.

CAUTION :

- *The generating set performance will also suffer when used at an altitude below that for which the fuel feed system has been adjusted; too weak a petrol/air mixture will result in the engine overheating and possibly suffering serious damage.*

GENERATING SET USE

OPERATION OF THE GENERATING SET

Your Honda generating set is a reliable piece of equipment, developed to ensure your safety. It can help you carry out work more easily and bring improvements to your leisure time, but there is also a risk of electrocution if you do not follow strictly the instructions for use given in this chapter.



⚠ WARNING :

- Never connect the generating set to a main socket.
- Do not connect any appliances to the receptacles before starting the generating set.
- Do not alter the internal wiring of the generator.
- Do not modify the engine adjustments. The frequency and voltage of the current supplied by the generator are directly linked to the engine rotation speed. These adjustments are carried out at the factory.
- Only connect appliances in good working order: most portable electrical tools are Class II (double insulation). Equipment that does not meet this standard (tools with metallic casing) has to be powered via 3 conductor cable (with an earth conductor) to ensure correct earthing in the event of an electrical fault.
- Supply only machines whose voltage, as specified on their rating plates, corresponds to that produced by the generating set.
- Protection against electrical shock depends on circuit breakers specially matched to the generating set. If the circuit breakers require replacement they must be replaced with a circuit breaker having identical ratings and performance characteristics.
- Due to high mechanical stresses only tough rubber-sheathed flexible cable (in accordance with IEC 245-4) or the equivalent should be used.
- The generating set meets the protective measure "electrical separation with equipotential bonding" as stated in the IEC 60364-4-41: dec 2005 §413. (and VDE0100 part 728)
 - The used power system is the IT system
 - with neutral conductor N (for 3 phase machine) and
 - non earthed equipotential bonding conductor PE, connecting all exposed conductive parts of the generating set together.
 - Earthing of the generator is for the proper function of this protective measure not required.
 - Only connect appliances in good working condition; most portable electrical tools are Class II (double insulation). Equipment that do not meet this standard (tools with metallic casing) have to be powered via 3-conductor cable (equipotential conductor PE conductor).
 - Earthing the neutral conductor of the generator or any point of the live conductors (vs coils) like center tap, is in contradiction with the built-in protective measure.
 - If the neutral conductor shall be earthed anyway, this may only be performed by a professional electrician, implementing the additional safety devices required together with the new protective measure (cf. IEC 364-4-41).

GENERATING SET USE

- Electric extension cables must be carefully selected, fitted and maintained. Good condition insulators will ensure the safety of the user. Cables must be inspected regularly; they should be replaced, and not repaired, in the event of a defect. Choose the length and cross-section of the extension cables according to the work to be done (see table below for indications).

Cable (mm ²)	Max. Length (m)	Current (A)	Single-phase (kw) (Cos Φ = 1)	Three-phase (kw) (Cos Φ = 0.8)
1.5	25	10	2.3	5.5
2.5	40	16	3.7	8.8
4	60	28	6.5	15.5

- Value for an admissible voltage drop on-line of 7 V and an admissible current of 7 A per mm² of cable section:
 - ambient temperature: 20 °C,
 - completely unwind the cable to avoid deterioration of the insulation by over-heating,
 - comply with the cable manufacturer's instructions.
- This generating set is not recommended for use with electronic apparatus, such as televisions, hi-fis, or computers, which might not be compatible with it.
- Avoid overloading the generating set; the following rules must be respected if the generating set is to perform properly:
 - the sum of the power outputs of the machines connected simultaneously to the generating set must be compatible with the characteristics given in the last page of this manual,
 - some appliances draw more power when starting up than their nominal power rating (electric motors and compressors are examples). We recommend that you contact a Honda dealer in case of doubt,
 - do not exceed the maximum current specified for each receptacle.
- The generating set must not be loaded to its nominal power if conditions are such that the normal cooling requirements are not met (atmospheric pressure: 100 kPa [1 bar]). When using the generating set in unfavourable conditions, take care to reduce the power load. Example: 28 A (limited to x A by the circuit breaker).

GENERATING SET USE

INFORMATION ON THE CONSTRUCTION OF THE GENERATOR

The generator windings are not connected to the earth; the system is thus safe by construction and limits the risks of electrocution. It is strictly forbidden to connect the coils to the generator earth, except when using a 30 mA differential circuit breaker for the protection of persons. The installation of such a device must be carried out by a specialist electrician and requires all appliances to be earthed.

The differential circuit breaker acts as a check against faulty insulation. It cuts off the power when there is a detectable fault in the insulation between a voltage-bearing conductor and any part of the earth, on the output side of the differential circuit breaker.

ECMT7000 (230/400 V)

The three 230 V single-phase receptacles are connected in parallel to the terminals of a winding specially reinforced to withstand a current of 20 A. The single-phase 230 V power output given on the rating plate, and also indicated in the table of characteristics, is available only on these receptacles and when no other three-phase load is connected to the generator's outputs. Never connect the generator's three-phase receptacle to a single-phase splitter box.

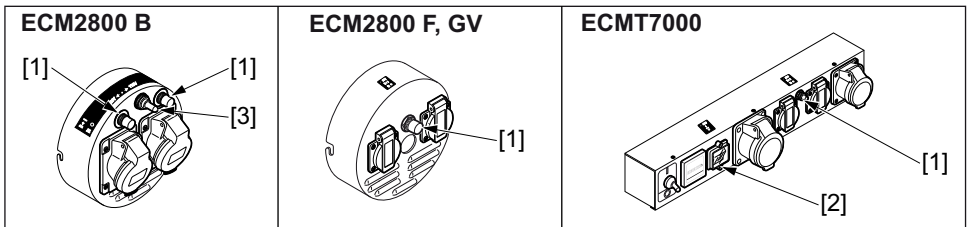
When using simultaneously 230 V single-phase and 400 V three-phase current, the current intensity per phase must not exceed 10 A.

Ex: Power available from receptacles for simultaneous three-phase and single-phase use.

Three-phase	0	3000 W	4000 W	5000 W	6000 W	7000 W
Single-phase	4500 W	1300 W	950 W	650 W	300 W	0

Thermal circuit breakers

These generator sets are equipped with thermal circuit breakers which protect against overloading. If supply of the electric current is interrupted during use, this may be due to overloading tripping the thermal circuit breaker(s). In this case, wait several seconds, eliminate the cause of the overloading and then reset the thermal circuit breaker(s) by using knob [1] located next to the receptacles or switch knob [2] (400 V). The thermal circuit breakers are rated according to the characteristics of the machine. In case of replacement, make sure to install a component manufactured by Honda.



OPERATION

1. **ECM2800 B:** Choose the appropriate voltage using the voltage selector switch [3].
2. Connect appliances to the receptacles, taking care not to exceed the maximum current specified for each receptacle.
3. Ensure that the circuit breaker is reset.

MAINTENANCE

To ensure that the generating set performs correctly and has a long working life, it is essential that the maintenance schedule be observed.



CAUTION :

- *The engine and the muffler reach temperatures sufficient to cause burns if touched and to start a fire if adjacent to inflammable material. Allow the engine to cool for 15 minutes before carrying out any maintenance.*
- *Only use original Honda parts. Parts that do not meet the Honda design specifications can cause damage to the generating set.*

MAINTENANCE SCHEDULE

INTERVAL		On each use	During the 1st month or after 20 hours	Every 3 months or 50 hours	Every 6 months or 100 hours	Every year or 300 hours
Maintenance item		Action				
Engine oil		Check level				
		Change				
Air cleaner element		Check				
		Clean		(1)		
Sediment cup		Clean				
Spark plug		Clean - Adjust				
Combustion chamber and valves		Clean				(2)
Valve clearance		Clean - Adjust				(2)
Fuel tank and filter		Clean				(2)
Fuel line		Check - Replace if necessary				
Spark arrester	ECM2800	Clean			(2)	
	ECMT7000	Check				
		Clean				

NOTE:

- (1) Clean more often if used in a dusty environment.
- (2) These operations must be carried out by a Honda dealer, unless the user has the special tools necessary and is qualified to do the work.

MAINTENANCE

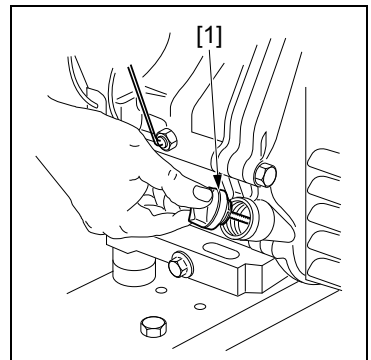
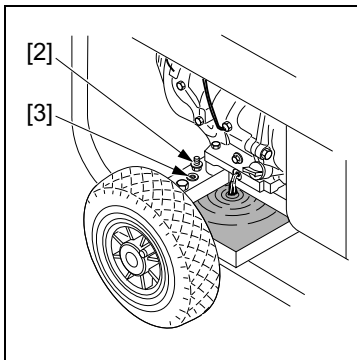
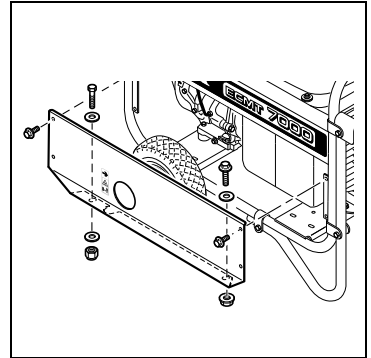
CHANGING THE OIL

CAUTION :

- *Prolonged and frequent contact with used engine oil can cause skin cancer. Although this is unlikely, it is sensible to wash your hands thoroughly after handling used engine oil. Drain the oil while the engine is still warm so that the oil flows out quickly and completely.*

1. For **ECMT7000 only**: undo the 6 screws maintaining the left side plate and remove the plate.
2. Remove the oil filler cap [1] and the drain plug [2].
3. Put the drain plug [2] back on, complete with its ring seal [3] and tighten fully.
4. Fill up with the recommended oil ([see page 10](#)) and check that the level is flush with the oil filler tube.

Oil capacity: ECM2800: 0.6 l
ECMT7000: 1.1 l



Protection of the environment

Waste oil is a serious source of pollution of our environment; we strongly recommend that you take it in a leak-proof container to a service station or a waste disposal site, which will recycle it. Do not throw oil away with household waste, and do not dispose of it by pouring it away on the ground or down the drain.

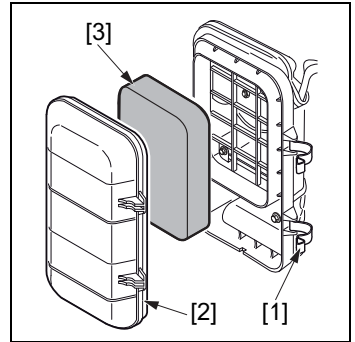
AIR CLEANER

The engine will not run properly if the air cleaner is dirty: it is very important that the air cleaner is serviced regularly.

⚠ WARNING :

Never use petrol or inflammable solvents to clean air cleaner elements: these products can cause fire and damage the air cleaner elements.

1. Detach the clips [1] and remove the air cleaner cover [2], and remove the foam element [3]. Check that it is not torn or blocked. Replace it if damaged.



2. Cleaning:

- wash the element [3] in a solution of warm water and non-foamy household detergent and then rinse,

or

- clean in non-inflammable solvent,

then leave to dry completely. Immerse the element in clean engine oil and press it to remove the excess oil. If too much oil is left in the foam, the engine will smoke when started for several times afterwards.

3. Reinstall the foam element [3], the air cleaner cover [2] and close the clips [1] correctly.

CAUTION :

- *Do not use the generating set without its air cleaner, as this can damage the engine.*

MAINTENANCE

SPARK PLUG

Recommended spark plugs:

BPR-6ES (NGK)

W20EPR-U (NIPPONDENSO Co., Ltd).

CAUTION :

- *The use of spark plugs with an incorrect heat range can cause damage to the engine.*

WARNING :

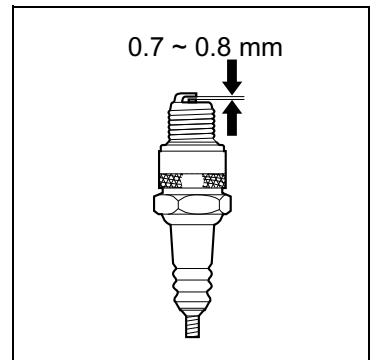
If the engine has been running, do not touch the muffler or the spark plug as you risk burning yourself.

1. Remove the cap and unscrew the spark plug using a spark plug spanner.
2. Examine the spark plug carefully, and replace it if there are thick deposits on the electrodes or if the insulator is cracked or broken. Clean the spark plug with a wire brush.

CAUTION :

- *Never clean the spark plug by sand blasting.*

3. Measure the gap between the electrodes with a set of feeler gauges: it must be between 0.7 and 0.8 mm. If the gap has to be adjusted, bend the side electrode carefully.
4. Check the state of the sealing washer, then thread the plug back in by hand until it is hand-tight and seated properly.
5. Using a spark plug spanner, screw the plug in an extra 1/2 turn for a new spark plug, to compress its washer, or between 1/8 and 1/4 turn in the case of a plug being reused. Put the spark plug cap back on.



CAUTION :

- *The spark plug must be properly tightened or else it is likely to overheat considerably, causing damage to the engine.*

SPARK ARRESTER

⚠ WARNING :

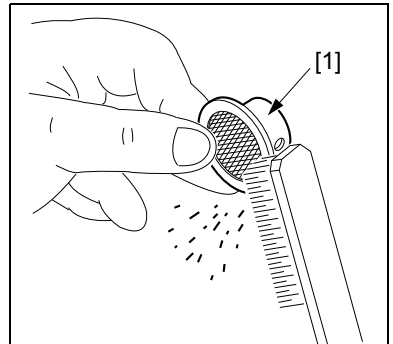
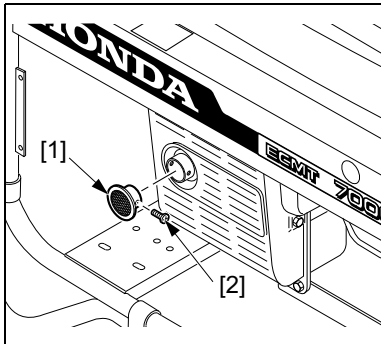
If the generating set has just been in operation, the muffler will still be very hot. Let it cool before proceeding with this operation.

CAUTION :

- Poor compliance with the recommended frequency of maintaining the spark arrester can lead to serious damage to the engine.

ECMT7000

1. Undo the 6 screws maintaining the left side plate and remove the plate (see page 18).
2. Loosen and remove the 4 mm screw [2].
3. Using a screwdriver, remove the spark arrester [1].
4. Use a wire brush to remove carbon deposits from the spark arrester screen and check that it is not damaged.
5. Reassemble the spark arrester and the screw [2].



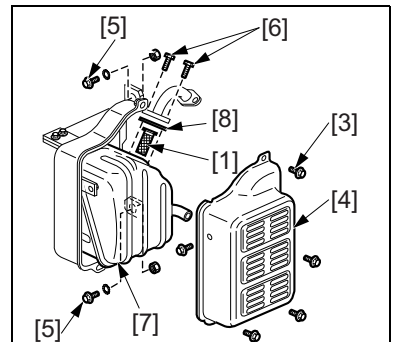
ECM2800

NOTE: we recommend that maintenance of the spark arrester be entrusted to an authorized Honda dealer.

1. Remove the 5 x 6 mm screws [3] and the muffler protector [4].
2. Remove:
 - the 2 x 8 mm bolts [5],
 - the 2 x 8 mm screws [6],
 - the muffler [7].
 - the gasket [8].

NOTE: Replace the gasket if it is damaged.

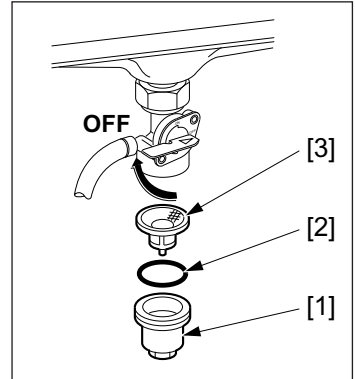
3. Extract the spark arrester [1].
4. Use a wire brush to remove carbon deposits from the spark arrester screen and check that it is not damaged.
5. Make sure that the gasket is correctly installed [8] and reassemble the elements in reverse order to disassembly. Tighten the screws correctly.



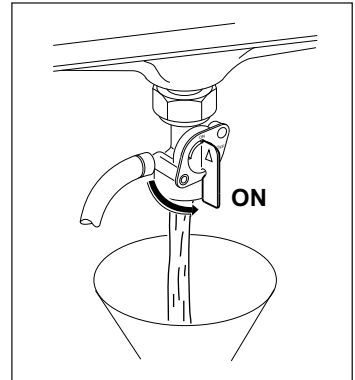
MAINTENANCE

CLEANING OF SEDIMENT CUP AND FUEL FILTER

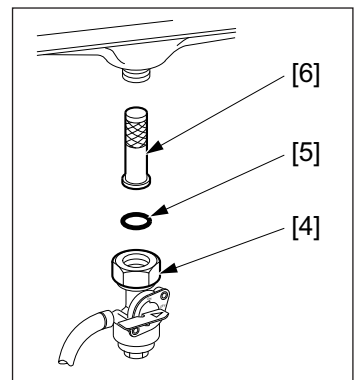
1. Close the fuel shut-off valve ("OFF" position) and remove the cup [1], the O-ring [2] and the fuel shut-off valve filter [3].
2. Wash the parts in a non-inflammable solvent and dry them. Check that the filter is not damaged.



3. Open the fuel shut-off valve ("ON" position) and drain the petrol in the tank, collecting it in an approved container.
4. Replace the filter [3], the O-ring [2] and tighten the sediment cup as far as it will go [1].



5. Loosen the nut [4] to remove the fuel shut-off valve and the fuel filter [6].
6. Wash the filter in a non-inflammable solvent. Check that it is not damaged.
7. Rinse and clean the tank if necessary.
8. Check that the O-ring [5] is correctly installed, replace the filter [6] and tighten the nut [4].
9. Make sure that there is no leak.



TRANSPORT - STORAGE

TRANSPORT THE GENERATING SET

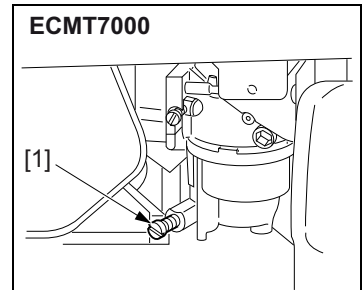
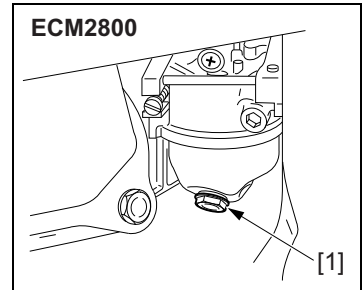
WARNING :

Before transporting the generating set make sure that the engine switch is set to “STOP”. During transport, always keep the generating set level and the fuel shut-off valve closed to avoid any risk of leakage of fuel.



STORAGE FOR AN EXTENDED PERIOD

1. Ensure that the storage area is not damp or dusty.
2. Drain the fuel contained in the tank (see page 22).
3. Drain the carburettor by loosening the drain plug [1] and collect the petrol in an approved container.
4. Change the engine oil (see page 18).
5. Remove the spark plug and tip a spoonful of clean engine oil into the cylinder. Turn the engine gently using the recoil starter, in order to spread the oil out, and stop the piston at its highest point (compression): this closes off the inlet and exhaust valves.
6. Clean and cover the generating set.

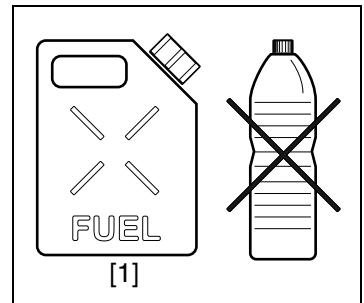


NOTE:

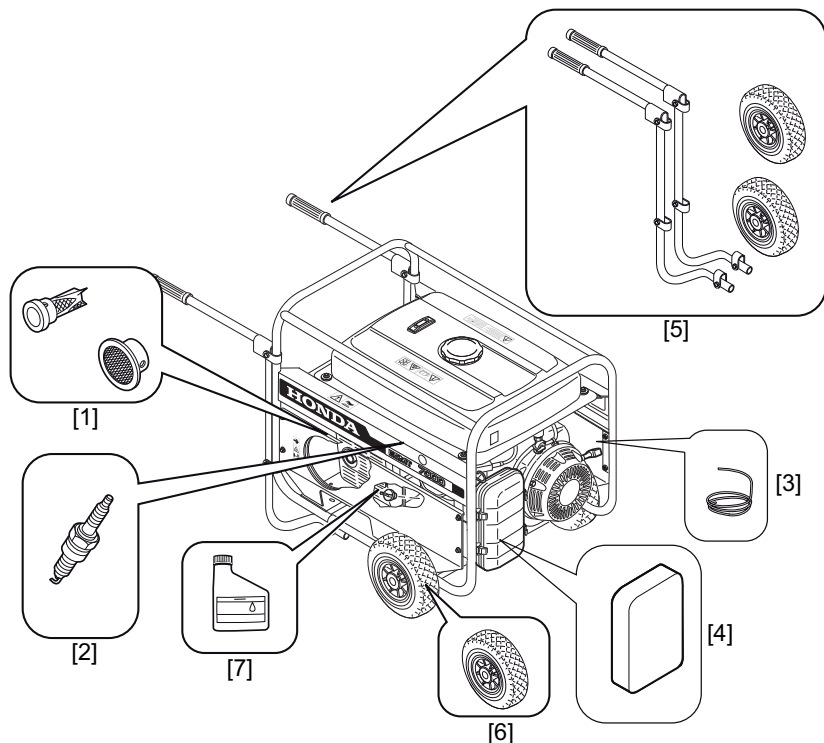
Environment protection: Contaminated petrol is a major source of pollution for the environment. It is therefore strongly recommended that it should be placed in a sealed container and taken to a service station or waste disposal plant for recycling. Petrol must not be disposed of along with household waste, poured onto the ground, or poured into sewers or rainwater drains.

FUEL STORAGE

- Ensure that you use containers or drums specifically designed for hydrocarbons [1]. This will prevent polluting the fuel through the dissolution of the container walls, which will lead to poor functioning of the engine.
- The warranty does not cover a blocked carburetor or valves jammed by old or polluted fuel.
- The quality of unleaded petrol alters very quickly (2 to 3 weeks in some cases). Do not use fuel more than 1 month old. Store the absolute minimum required for your monthly consumption.



USEFUL INFORMATION



FIND AN APPROVED DEALER

Please refer to the European Internet site: <http://www.honda-eu.com>

CURRENT PARTS, OPTIONAL ACCESSORIES AND CONSUMABLES

To buy one of the original parts listed below, or any other part, please contact an approved Honda reseller:

	ECM2800	ECMT7000	
Current parts			
[1]	Spark arrester	18355-898-630	18361-ZL0-000
[2]	Spark plug	98079-56846	
[3]	Recoil starter	28462-ZH8-003	28462-ZE3-W01
[4]	Air cleaner	17211-ZB2-000	17211-899-000
[5]	Kit de transport	06427-ZD5-S40	-
[6]	Tire	-	42700-ZS8-000
			Pressure: 2.5 bar maxi
Consumables			
[7]	Engine oil	08221-888-100HE (0.6 ℓ)	08221-888-060HE (1.1 ℓ)
			Oil for 4-stroke engines, 10W30

TROUBLESHOOTING

Problem		Probable cause	See page
Engine will not start.	1.	The engine switch is "STOP".	12
	2.	The fuel shut-off valve is closed or there is no petrol in the tank.	12
	3.	The engine oil level is too low.	12
	4.	The spark plug is faulty or the electrode gap is incorrect.	20
	5.	Electrical appliances are connected to the receptacles.	
The engine is difficult to start or is losing power.	1.	The air cleaner is dirty.	19
	2.	There are impurities in the fuel circuit or the fuel filter is dirty.	22
	3.	The fuel filler cap vent hole is blocked.	16
No current from the receptacles.	1.	The thermal circuit breaker has not been reset.	
	2.	The equipment connected to the generating set is faulty.	

If you fail to solve the problem, contact your Honda dealer.

MAJOR Honda DISTRIBUTOR ADDRESSES

For further information, please contact Honda Customer Information Centre at the following address or telephone number :

AUSTRIA

Honda Motor Europe (North)

Hondastraße 1
2351 Wiener Neudorf
Tel. : +43 (0)2236 690 0
Fax : +43 (0)2236 690 480
<http://www.honda.at>

BELGIUM

Honda Motor Europe (North)

Doornveld 180-184
1731 Zellik
Tel. : 32 02 620 10 00
Fax : 32 02 620 10 01
<http://www.honda.be>
✉ bh_pe@honda-eu.com

BULGARIA

Kirov Ltd.

49 Tsaritsa Yoana blvd
1324 Sofia
Tel. : +359 2 93 30 892
Fax : +359 2 93 30 814
<http://www.kirov.net>
✉ honda@kirov.net

CANARY ISLANDS

Automocion Canarias S.A.

Carretera General del Sur, KM. 8,8
38107 Santa Cruz de Tenerife
Tel. : + 34 (922) 620 617
Fax : +34 (922) 618 042
<http://www.aucasa.com>
✉ ventas@aucasa.com

CROATIA

Hongoldonia d.o.o.

Jelkovecka Cesta 5
10360 Sesvete – Zagreb
Tel. : +385 1 2002053
Fax : +385 1 2020754
<http://www.hongoldonia.hr>

CYPRUS

Alexander Dimitriou & Sons Ltd.

162 Yiammos Kramidiotis avenue
2235 Latsia, Nicosia
Tel. : + 357 22 715 300
Fax : + 357 22 715 400

CZECH REPUBLIC

BG Technik cs, a.s.

Honda Power Equipment
U Zavodiste 251/8
15900 Prague 5 - Velka Chuchle
Tel. : +420 2 838 70 850
Fax : +420 2 667 111 45
<http://www.honda-stroje.cz>

DENMARK

Tima Products A/S

Tårnfalkevej 16 - Postboks 511
2650 Hvidovre
Tel. : +45 36 34 25 50
Fax : +45 36 77 16 30
<http://www.tima.dk>

FINLAND

OY Brandt AB.

Tuupakantie 7B
01740 Vantaa
Tel. : +358 20 775 7200
Fax : +358 9 878 5276
<http://www.brandt.fi>

FRANCE

Honda Relations Clientèle

TSA 80627
45146 St Jean de la Ruelle cedex
Tel. 02 38 81 33 90
Fax. 02 38 81 33 91
<http://www.honda.fr>
✉ relationsclientele.produits-equipement@honda-eu.com

GERMANY

Honda Motor Europe (North) GmbH

Sprendlinger Landstraße 166
63069 Offenbach am Main
Tel. : +49 69 8300 60
Fax : +49 69 8300 65100
<http://www.honda.de>
✉ info@post.honda.de

GREECE

General Automotive Co S.A.

71 Leoforos Athinon
10173 Athens
Tel. : +30 210 349 7809
Fax : +30 210 346 7329
<http://www.honda.gr>
✉ info@saracakis.gr

HUNGARY

Motor.Pedo Co., Ltd.

2040 Budaors
Kamaraerdei út 3.
Tel. : +36 23 444 971
Fax : +36 23 444 972
<http://www.hondakisgepek.hu>
✉ info@hondakisgepek.hu

IRELAND

Two Wheels Ltd.

Crosslands Business Park
Ballymount Road
Dublin 12
Tel. : +353 01 460 2111
Fax : +353 01 456 6539
<http://www.hondaireland.ie>
✉ sales@hondaireland.ie

ITALY

Honda Italia Industriale S.p.A.

Via della Cecchignola, 5/7
00143 Roma
Tel. : +848 846 632
Fax : +39 065 4928 400
<http://www.hondaitalia.com>
✉ info.power@honda-eu.com

LATVIA

Bensons Auto

Kr.Valdemara Street 21, 646 office
Riga, 1010
Tel. : +371 7 808 333
Fax : +371 7 808 332

LITHUANIA

JP Motor Ltd

Kubiliaus str. 6
08234 Vilnius
Tel. : + 370 5 276 5259
Fax. : +370 5 276 5250
<http://www.hondapower.lt>

MALTA

The Associated Motors Company Ltd.

New Street in San Gwakklin Road
Mriehel Bypass, Mriehel QRM17
Tel. : +356 21 498 561
Fax : +356 21 480 150

MAJOR Honda DISTRIBUTOR ADDRESSES

NETHERLANDS

Honda Motor Europe (North)

Afd. Power Equipment-Capronilaan 1
1119 NN Schiphol-Rijk
Tel. : +31 20 7070000
Fax : +31 20 7070001
<http://www.honda.nl>

NORWAY

Berema AS

P.O. Box 454
1401 Ski
Tel. : +47 64 86 05 00
Fax : +47 64 86 05 49
<http://www.berema.no>
✉ berema@berema.no

POLAND

Aries Power Equipment Sp. z o.o.

ul. Wroclawska 25A
01-493 Warszawa
Tel. : +48 (22) 861 4301
Fax : +48 (22) 861 4302
<http://www.hondapower.pl>
✉ info@hondapower.pl

PORTUGAL

Honda Portugal, S.A.

Abrunheira
2714-506 Sintra
Tel. : +351 21 915 53 33
Fax : +351 21 915 23 54
<http://www.honda.pt>

✉ honda.produtos@honda-eu.com

REPUBLIC OF BELARUS

Scanlink Ltd.

Kozlova Drive, 9
220037 Minsk
Tel. : +375 172 999 090
Fax : +375 172 999 900

ROMANIA

Hit Power Motor Srl

Calea Giulesti N° 6-8 Sector 6
060274 Bucuresti
Tel. : +40 21 637 04 58
Fax : +40 21 637 04 78
<http://www.honda.ro>
✉ hit_power@honda.ro

RUSSIA

Honda Motor Rus Llc

42/1-2, Bolshaya Yakimanka st.
117049, Moscow
Tel. : +74 95 745 20 80
Fax : +74 95 745 20 81
<http://www.honda.co.ru>

SERBIA & MONTENEGRO

Bazis Grupa d.o.o.

Grcica Milenka 39
11000 Belgrade
Tel. : +381 11 3820 300
Fax : +381 11 3820 301
<http://www.hondadasrbija.co.yu>

SLOVAKIA REPUBLIC

Honda Slovakia, spol. s r.o.

Prievozska 6 - 821 09 Bratislava
Slovak Republic
Tel. : +421 2 32131112
Fax : +421 2 32131111
<http://www.honda.sk>

SLOVENIA

AS Domzale Moto Center D.O.O.

Blatnica 3A
1236 Trzin
Tel. : +386 1 562 22 42
Fax : +386 1 562 37 05
<http://www.as-domzale-motoc.si>

SPAIN

Greens Power Products, S.L.

Avda. Ramon Ciuirans, 2
08530 La Garriga - Barcelona
Tel. : +34 3 860 50 25
Fax : +34 3 871 81 80
<http://www.hondaencasa.com>

SWEDEN

Honda Nordic AB

Box 50583 - Väst kustvägen 17
120215 Malmö
Tel. : +46 (0)40 600 23 00
Fax : +46 (0)40 600 23 19
<http://www.honda.se>
✉ hepsinfo@honda-eu.com

SWITZERLAND

Honda Suisse S.A.

10, Route des Moulières
1214 Vernier - Genève
Tel. : +41 (0)22 939 09 09
Fax : +41 (0)22 939 09 97
<http://www.honda.ch>

TURKEY

Anadolu Motor Uretim Ve Pazarlama AS (ANPA)

Esentepe mah. Anadolu
Cod. No: 5
Kartal 34870 Istanbul
Tel. : +90 216 389 59 60
Fax : +90 216 353 31 98
<http://yp.anadolumotor.com.tr>
✉ antor@antor.com.tr

UKRAINE

Honda Ukraine LLC

101 Volodymyrska Str.
01033 Kiev Buid. 2
Tel. : +380 44 390 1414
Fax : +380 44 390 1410
<http://www.honda.ua>

UNITED KINGDOM

Honda (ULC) Power Equipment

470 London Road
Slough - Berkshire, SL3 8QY
Tel. : +44 (0)845 200 8000
Fax : +44 (0)1 753 590 732
<http://www.honda.co.uk>
✉ customer.service@honda-eu.com

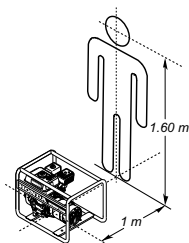
SPECIFICATIONS

DIMENSIONS AND WEIGHTS

		ECM2800	ECMT7000
TYPE		B-F-GV	F-GV
Overall l x w x h	(mm)	645 x 435 x 490	755 x 550 x 560
Dry weight	(kg)	50	104
Tank capacity	(ℓ)	14,2	22,8

GENERATOR

		ECM2800		ECMT7000	
TYPE		F-GV	B	F-GV	
Description code		EACF		EZFP	
Phase		Single-phase		Single-phase	Three-phase
Rated voltage	(V)	230	115/230	230	400
Rated frequency	(Hz)	50			
Rated current	(A)	11 (Cos Φ = 1)	22/11 (Cos Φ = 1)	16 (Cos Φ = 1)	9,5 (Cos Φ = 0,8)
Rated output	(VA)	2500		3600	6500
Maximum output	(VA)	2800		4000	7000
Sound pressure level		According to MD/98/37/EC directive			
		84 dB(A)		85 dB(A)	
Sound power level guaranteed	dB(A)	According to 2000/14/EC directive			
		96		97	



ENGINE

		ECM2800	ECMT7000
Model		Petrol engine GX200	Petrol engine GX390
Engine type		Engine type, 4-stroke, 1 cylinder, overhead valves	
Displacement (bore x stroke)		196 cm ³ (68 x 54 mm)	389 cm ³ (88 x 64 mm)
Compression ratio		8.0 : 1	
Engine speed	(rpm)	3000	
Cooling system		Forced air	
Ignition system		Transistorized magneto	
Oil capacity	(ℓ)	0.6	1.1
Spark plug		BPR-6ES (NGK) - W20EPR-U (NIPPONDENSO Co., Ltd.)	
Fuel tank capacity	(ℓ)	14,2	23,7
Fuel consumption	(ℓ/h)	1,4	2,6