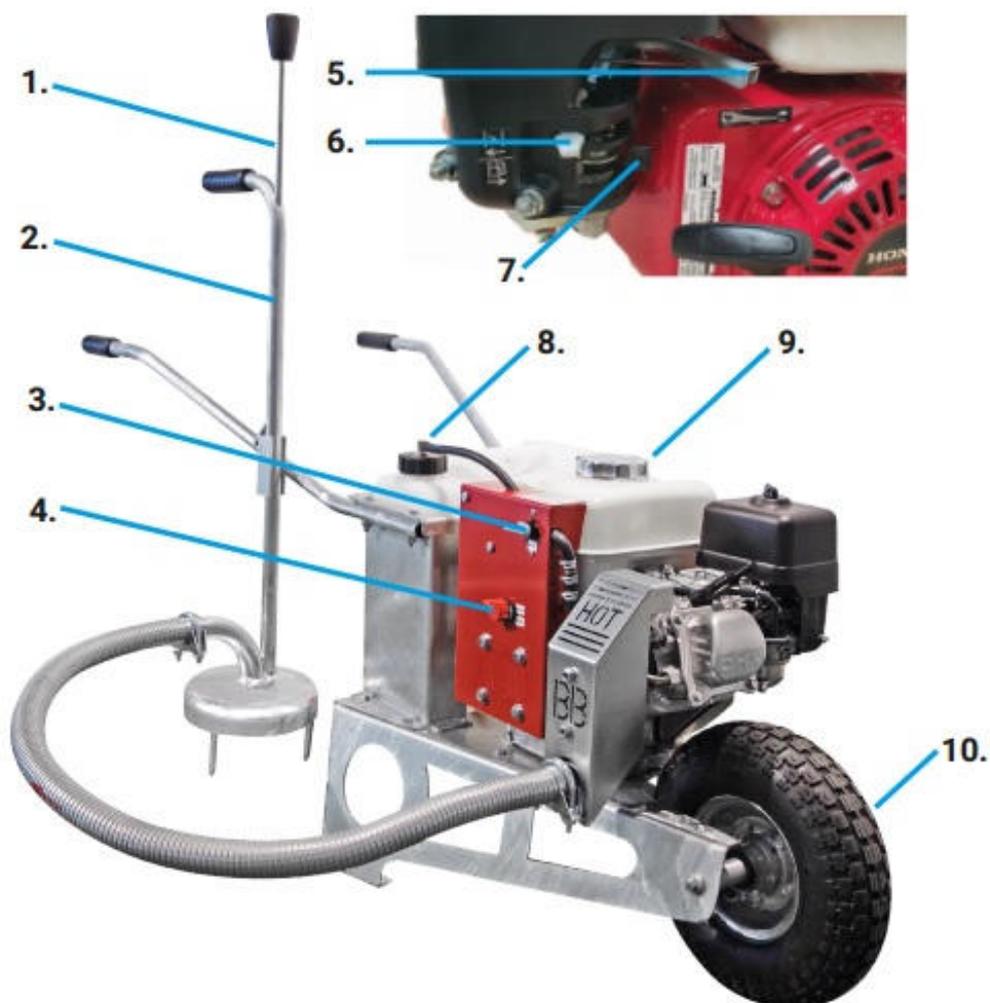


GX200

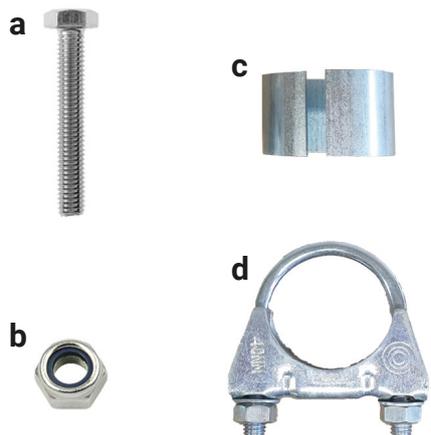


OPERATOR MANUAL.

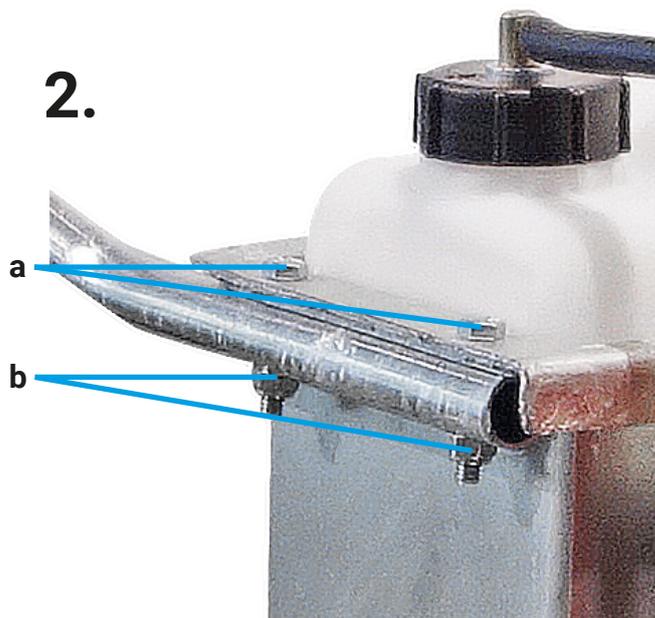


1.	Sounding rod
2.	Smoke bell
3.	Smoke on/off
4.	Motor on/off
5.	Number of revolutions
6.	Choke
7.	Fuel tap engine
8.	Gasoline + 2% Diesel
9.	Gasoline
10.	1.5 bar

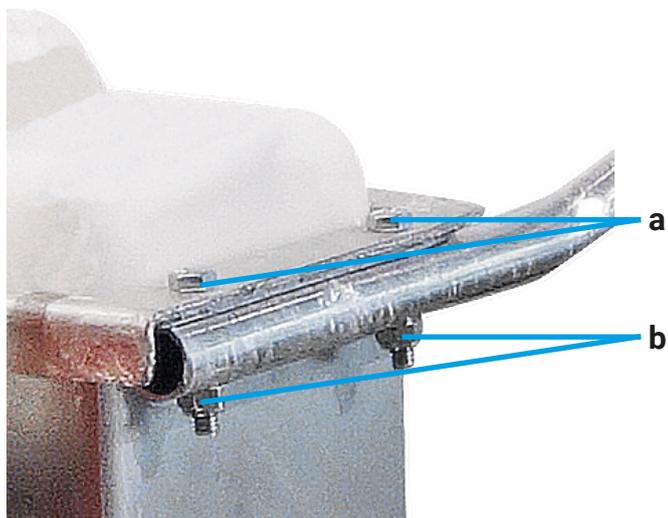
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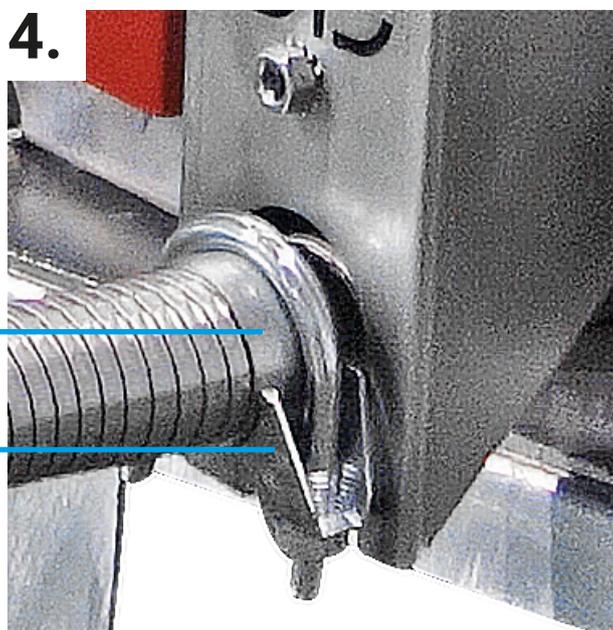
2.



3.



4.



5.



6.



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IMPORTANT: To enable you to operate and maintain your equipment correctly, you are advised to read this Instruction Manual through carefully. The Manual will help you to prevent injuries and damage.

1.1 Operation

Using a fuel pump, a mixture of petrol and diesel is suctioned off, injected into the special muffler in precisely metered quantities and allowed to vaporize. The resulting fumes are channelled into a system of ducts via a flexible metal pipe and dome-shaped cover. The high pressure of the industrial engine brings about a rapid distribution of the fumes and the existing oxygen is squeezed out of the duct system. The pests have no chance to escape. Within seconds their airways are paralyzed. This leads to a rapid and painless death. If a stunned or dead rodent is eaten by a cat or a bird of prey, there is no risk of secondary poisoning.

1.2 Construction

The robust and easy-to-handle barrow is galvanized and fitted with a dome-shaped fume cover as well as a probing rod. The heavy duty 5.5 hp Honda engine is in line with the latest technology, has a long service life and is easy to maintain. For operator safety, it is possible for the fumigator unit to be switched off during relocation to another site.

1.3 Field of Application

Please note the following restrictions as regards the use of this equipment:

1. The device may only be used out of doors. Usage in enclosed spaces incorporates an acute risk of poisoning due to carbon monoxide.
2. Moles are protected and infestations may only be controlled if an exception permit is obtained from the responsible local authority (District Office).
3. Under Animal Welfare Legislation a permit is necessary for the commercial control of vertebrates as pests. However, the control of vertebrates as pests by private individuals is not subject to permit.
4. Usage in water conservation areas and drinking water protection zones I and II as well as areas featuring potable water pipes made from plastic within a range of 100m is not permitted.
5. The use of the device for purposes of plant protection in areas under cultivation (fields, greenhouses, woodland etc.) is not permitted.
6. Sole responsibility for the proper use of the equipment and compliance with the restrictions on use lies with the user.
7. Before buying or using it for the first time, ask your responsible authority (district office) for a permit.

2. Safety

Read the entire Instruction Manual carefully before starting up the machine for the first time. Failure to observe the following safety instructions may have fatal consequences.

2.1 Exhaust Gases

The device may only be used out of doors. Usage in enclosed spaces incorporates an acute risk of carbon monoxide poisoning.

Only open the fuel tap to the auxiliary tank once the dome-shaped cover is firmly positioned on the ground. The operator must always work against the wind in order to avoid inhaling any fumes. Close the fuel tap to the auxiliary tank when relocating.

2.2 Burns Hazard

Maintain an adequate distance from the exhaust system and flexible metal pipe. **This gets hot!**

2.3 Noise Emissions

The operator must wear hearing protection and observe the local noise regulations. The sound pressure level is 87 dB(A).

2.4 Fuel

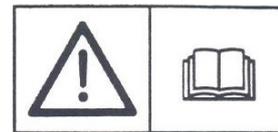
Switch off the before refuelling. No smoking. Keep away from naked flames. Avoid fuel spillage. Do not allow any fuel to come into contact with clothing. If this happens, change your clothes – danger to life!

2.5 General

You yourself are responsible for the correct and safe usage of the device. It is also your responsibility to ensure that any persons you allow to operate the Rodent Destroyer are given proper instruction. Never allow the Rodent Destroyer to be operated by children or people who are not familiar with the instructions for the use of the equipment.

Remember that the owner is responsible for all accidents and/or damage that may affect other persons or their property.

This device may only be used for its designated purpose (see. Section 1.3 Area of Application). Failure to comply will render any warranty claim or liability on the part of the manufacturer null and void. No liability will be accepted for damage which is caused by failure to observe the provisions of this Manual.



3. Technical Data

Dimensions:	Height 64 cm, Width 59 cm, Length 126 cm
Weight:	approx. 37 kg (without fuel)
Engine:	Honda GX 200T Cubic capacity 196 cm ³ Output net 4.1 kW / 5.5 PS
Sound level:	3400 U/min: 87dB(A) 2200 U/min: 78dB(A)
Fuel:	Engine: Unleaded petrol (no oil) Auxiliary tank: Unleaded petrol with 2% diesel (2dl diesel for every 10l of petrol)
Chassis:	Hot-dip galvanized barrow with rubber wheel
Auxiliary tank:	10 litre for petrol/diesel mixture (2dl diesel for every 10l of petrol)
Accessories:	Inclusive of probe rod and Operating Instructions

4. Starting Up

4.1 Preparation

Re-fuelling. **Note: Petrol is highly flammable and highly explosive. Fire and explosions can cause burns and/or damage to property.** Fuel must only be stored in containers that have been specifically designed for this purpose. Keep out of the reach of children. Only re-fuel the equipment out of doors and do not smoke while re-fuelling. Use a funnel to top up. Top up fuel levels prior to starting the engine. Never remove the filler cap or top up with petrol while the engine is running or if the engine is hot. Do not fill the fuel tank to the brim. Only top up the tank with the amount of petrol required to keep the fluid level 10mm below the bottom of the filler neck. Leaving sufficient space in the tank will allow the fuel to expand. In the event of a petrol spillage do not attempt to start the engine, instead push the device clear of the spilled fuel and avoid any open flames until the fumes from the fuel have vaporized.

Fuel:	Engine	Unleaded petrol (no oil)
	Auxiliary tank	Max. 10 litres petrol – diesel mix Mixing ratio: 2% diesel (2 dl diesel to every 10l petrol)
	Information	The diesel will not affect the operation of the equipment; it serves only as a marker to indicate the presence of fumes.

4.2 Starting the engine (see also operator manual engine)

Do not allow the engine to run in confined spaces where there is a risk of hazardous carbon monoxide fumes accumulating.

Set throttle control to Start position

Start engine using recoil starter

As soon as the engine starts to turn over, open the choke and give the engine approx. 3 minutes to warm up. During this time the fuel tap to the auxiliary tank should be closed so as to inhibit the development of the gas.

To enable the fumes to develop, open petrol tap to auxiliary tank.

Important: When operating in idling mixture, the tap for the fumes development function must be set to OFF.

To ensure operator safety, the petrol tap to the auxiliary tank must be closed if the unit is moved to another location. This will ensure that the development of the gas is inhibited.

Note: Engine exhaust fumes contain carbon monoxide, an odour-free, lethal poison. Do not allow engine to run in confined spaces or enclosed areas. During the gassing process, keep children and pets away; note wind direction.

4.3 Switching off engine

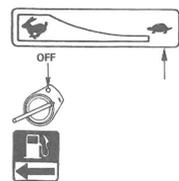
Close fuel tap to auxiliary tank, wait 1 minute

Set throttle control to idling mixture

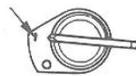
Set On/Off switch to Off position "0"

Close fuel tap

Aus



Ein



Set On/Off switch

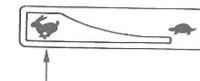
Aus



to On position "I"

Open fuel tap

Aus



Close choke

5. Maintenance

Check engine oil every 5 hours

First oil change after 20 hrs, after that every 100 hrs (0.6 l, SAE-15W40)

Replace air filter and prefilter if dirty (Honda 17210-ZE1-822)

Replace spark plug if dirty (NGK BPR6ES)

Replace petrol filter to auxiliary tank every 50 hours (MU20028)

For further works on the engine see Honda Operator Manual

Tyre pressure max. 1.5 bar

Never use water under pressure to clean the device

All nuts and bolts must be firmly seated to ensure that the device is maintained in a safe operating condition

6. Storage

Never store the Rodent Destroyer with petrol in the tank inside a building where fumes may come into contact with a naked flame or sparks. Allow the engine to cool before storage inside buildings. If the fuel tank has to be drained, this operation should be carried out in the open air.

7. Rodent Control

There are 10 key principles that constitute the secret to success.

7.1 Searching Out the Rodent Run

Search out the rodent run with the probe and open up a hole approx. 5cm in diameter. **NOTE: The device may only be used in the open air. Using it in enclosed spaces incorporates an acute risk of carbon monoxide poisoning.**

7.2 Using the Machine

Attach the dome-shaped cover and press down securely. Allow the engine to run at full throttle for approx. 5 minutes. **NOTE: Only open the petrol tap once the dome-shaped cover is firmly pressed down on to the ground.**

7.3 Monitoring Gas Distribution

If there is an adjacent run, carry out a precise check on whether all the passageways are filled with fumes (check for rising fumes, it may be necessary to check with the probe). For purposes of identifying exactly where the fumes are, the system requires the addition of 2% diesel. The addition of diesel or oil has no effect on the action of the device. This serves only to mark out the rodent runs. **NOTE: The operator must always stand upwind of the dome-shaped cover. There must be no other persons – especially children or pets – in the vicinity.**

7.4 Preparing the next Rodent Run

During the 5 minute running time you can search out the next run and make the necessary preparations. Use the probe rod to mark the hole. If very large runs are involved (often up to 50 metres in length) we recommend placing the dome-shaped cover at 2 – 3 locations.

7.5 Change of Location

In the interests of operator safety, it is essential that, in the event of a change of location, that the petrol tap to the auxiliary tank is closed. This will ensure that fume development is impeded. Lift the dome-shaped cover, hang it on the machine and close the hole immediately with the foot so that the fumes cannot escape. Move the machine to the new location and place the dome-shaped cover over the previously prepared hole and open auxiliary tap.

7.6 Destroying the Runs

Go back to the previously fumigated run and tread on all mounds and passageways constructed by the rodents to close. By so doing you will ensure that any migrating rodents are unable to find any open passageways that they can use. If a rodent happens to become entrenched despite this, it will need to push up fresh earth to create new passageways. In the event, these will be readily identifiable and a second attempt made at refumigation.

7.7 Classification and Procedure

Always fumigate over a wide area. If possible, encourage your neighbours to join in. On hillside locations always commence fumigation from the top (gases are heavier than air). Where there are stretches of woodland or banks of streams adjacent, then you should start here and work in the direction of open meadow land because this is where the rodents will often keep an escape route open.

7.8 Follow-Up Checks

Be alert to the possibility of new runs being constructed on meadow-land and fields after each grass cutting operation or harvest. Orchards, vineyards and vegetable plots are particularly at risk from browsing or nibbling at the roots.

7.9 Time to Apply Controls

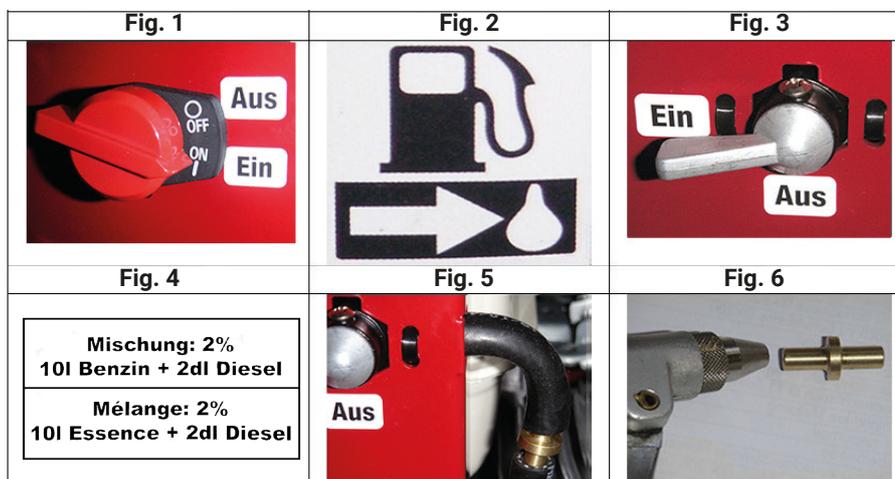
As a matter of principle, controls should be applied all year round. It is in the winter months, snow covering permitting, that you will find you obtain the best results. The animals are then weakened and their rate of reproduction is lower. In order to avoid being suddenly swamped by a high rodent population, it is essential to ensure that the meadows, fields, orchards and vineyards are constantly monitored. **Note: Remember that large numbers of rodents tend to migrate during the summer months.**

7.10 Note

Rodent control is a straightforward and reliable method of control. It is safe for plants, birds of prey, cats, dogs, foxes and other beneficial organisms. The pests cease breathing due to the lack of oxygen. No secondary poisoning can occur. Even though you may be operating effective controls it is advisable to take care at the same time to protect the natural enemies of the rodents. Not using poisons will earn you the gratitude of the birds as well as the birds. We wish you every success and would appreciate your recommending

8. Troubleshooting

Faults	Possible Reasons	Elimination	Fig.
Engine not running	Stop switch set to OFF	Set stop switch to ON	1
	No fuel / too little fuel	Top up fuel	2
Fuel tap closed	Open the engine fuel tap		
Too little engine oil	Top up with engine oil		
No fume production	Mixer tap set to OFF	Set mixer tap to ON	3
	Mix canister empty	Top up with fuel mixture	4
	Nozzle clogged	Pull nozzle out of pipe and blow out nozzle to clear	5 6
Other problems	Cause unknown	Bring in to specialist workshop	



- MU23002. Flexible metal hose 1.10 m
 - MU23003. Hose clamp, galvanized
 - MU20009*. Engine Honda GX200, basic unit, excl. muffler
 - MU20009K*. Engine Honda GX200, complete with muffler and pump
 - MU23015. Operating hours meter
 - MU23017. Probe rod, galvanized, incl. knob
 - MU20118. Wheel for barrow GX200
 - MU20218*. Hose for barrow GX200
 - MU23126. Fuel tap, metal
 - MU20028. Fuel filter
 - MU20029. Fuel pipe, dia. 9mm / 330 mm (pipe in tank)
 - MU20030. Fuel pipe, dia.11.5mm / 1 metre (tank cover as far as engine)
 - MU23132. Fuel nozzle, brass
 - MU23033. Fuel pump
 - MU23035. Clamp for gasoline hose metal Ø11mm
 - MU23045. Clamp for fuel tap 20x45mm galvanized
 - MU20053. Seal for muffler Honda GX200
 - MU20055. Muffler for model GX 200 (replacement only)
 - MU20056. Muffler cover GX200
 - MU20062. Stop switch to Honda engine
 - MU20163. Petrol can 10 litre GX200, excl. lid dia. 43mm
 - MU20065. Dome-shaped fumigator cover GX200
 - MU20169. Can lid, dia. 43mm, for petrol can 20163 incl. elbow
 - MU20170. Set of hoses for tank (incl. filter 20028, hose 20029, lid 20169)
 - MU20071. Clamping ring, galvanized, to muffler
 - MU20417. Right hand tube with rubber grip
 - MU20418. Left hand tube with rubber grip
- Service parts:**
- MU20001. Air filter Honda 17210-ZE1-505
 - MU20002. Spark plug NGK BPR6ES
 - SAE15W40*. Engine oil

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262 96 ÄNGELHOLM

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Org.nr : 556409-6120