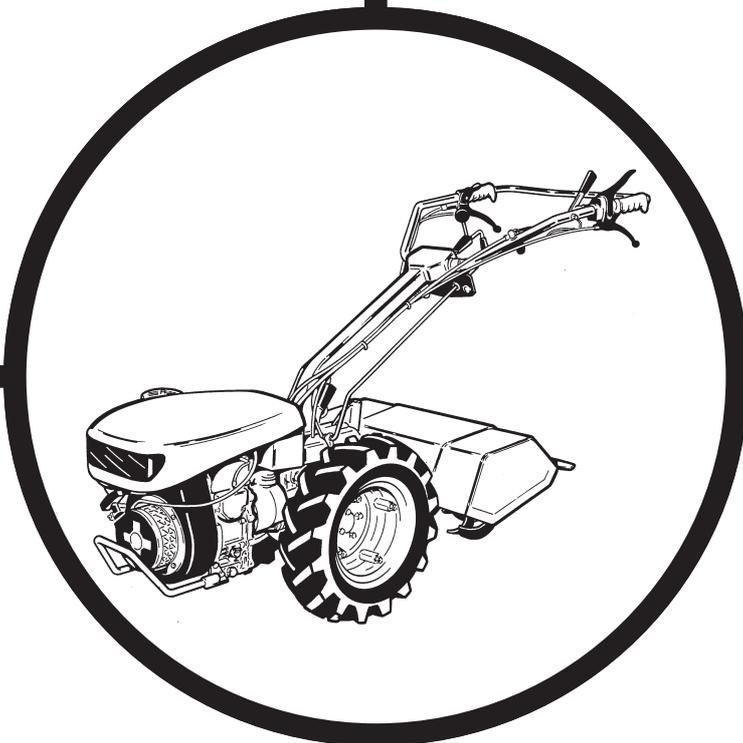


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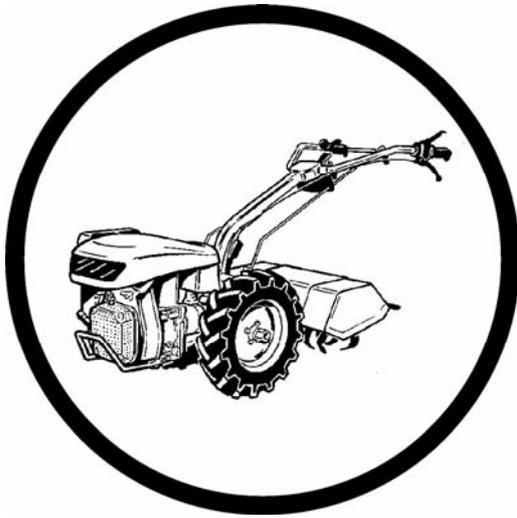
(GB) **USE AND MAINTENANCE MANUAL**

REV. 1000 (2+2)
REV. 1000 E (2+2)
REV. 1000 Diesel (2+2)
REV. 1000 Special (3+2)
REV. 1000 Diesel Special (3+2)

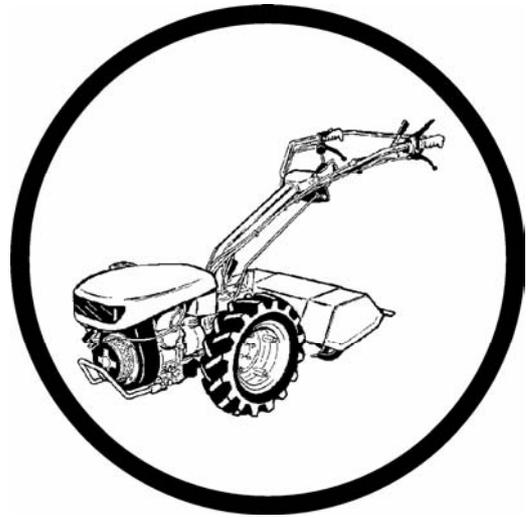


S.E.P.[®]

REVERSIBLE TWO-WHEEL TRACTORS



REV. 1000 (2+2)
REV. 1000 Diesel (2+2)



REV. 1000 Special (3+2)
REV. 1000 Diesel Special (3+2)



REV. 1000 E (2+2)



**BEFORE USING THE TWO-WHEEL TRACTOR
CAREFULLY READ THE INSTRUCTIONS
GIVEN IN THIS MANUAL**

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INTRODUCTION

- This manual provides Use and Maintenance instructions, technical specifications, and safety precautions for reversible two-wheel tractor:
 - model REV. 1000 (2+2)
 - model REV. 1000 E (2+2)
 - model REV. 1000 Special (3+2)
 in the versions with Diesel and gasoline engine.
- For the sake of clarity and ease of identification, the different two-wheel tractor models are identified in this manual by means of the following codes:
 - **1000** identifies reversible two-wheel tractors model REV. 1000 (2+2) and REV. 1000 Diesel (2+2).
 - **1000 E** identifies reversible two-wheel tractors model REV. 1000 E (2+2).
 - **1000 Special** identifies reversible two-wheel tractors model REV. 1000 Special (3+2) and REV. 1000 Diesel Special (3+2)
- The first section of this manual provides technical

specifications and gives instructions relevant to the machine. The second section of the manual gives further details on individual attachments, and provides all specific operating instructions.

- Read this USE and MAINTENANCE Manual carefully before using your new two-wheel tractor. This manual provides the most up-to-date information on your two-wheel tractor available at the time of going to press. Manufacturer reserves the right to modify this document at any time without prior notice.
- **AFTER-SALES SERVICE.** Use only original spare parts. The use of non-original parts voids the warranty. When ordering spare parts, specify:
 - two-wheel tractor serial number;
 - part code of spare part required;
 - quantity or number of parts required.

SAFETY REGULATIONS

GENERAL NOTICES

Any engine driven machine can become dangerous if used incorrectly. Pay particular attention to the instructions in this manual marked:



WARNING

This symbol means that failure to observe the regulation could cause injury or even death to the operator.



PRUDENCE



Prudence is the Golden Rule to prevent accidents.

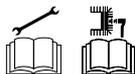


TRAINING

The two-wheel tractor must only be used by responsible people trained in the use of the machine and duly authorized to use it.



MACHINE AND ENGINE MANUALS



Read those MANUALS carefully before starting, using, servicing, refuelling or carrying out any work on the two-wheel tractor.



DECALS

Read all the decals attached to the two-wheel tractor and follow their prescriptions before starting, driving, refuelling or servicing the machine. Replace immediately any damaged or illegible decals.



SUITABLE CLOTHING

- Do not wear wide and flapping clothes that could be caught in moving parts.
- Always wear robust gloves when servicing the two-wheel tractor or coupling attachments.
- Do not operate your two-wheel tractor barefoot, wearing sandals or shorts. Wear heavy shoes and trousers.



PHYSICAL CONDITION

Do not drive the two-wheel tractor if your physical condition is not suitable.



NOISE



In order to reduce the problems deriving from the noise of the machine:

- Do not work with the engine at maximum RPM range.
- Keep the blade head and the blade holder adjusted.
- When using the machine for a long time, use ear protections.



ENGINE RPM

Do not interfere with the engine speed governor: running the engine at a too high speed increases the risk of accident.



FIRST AID



It is good operating practice to have a first aid box on the two-wheel tractor.

! SAFETY DEVICES

- Do not use the two-wheel tractor if the safety devices are missing or defective.
- Do not interfere with safety devices.

! STARTING THE ENGINE

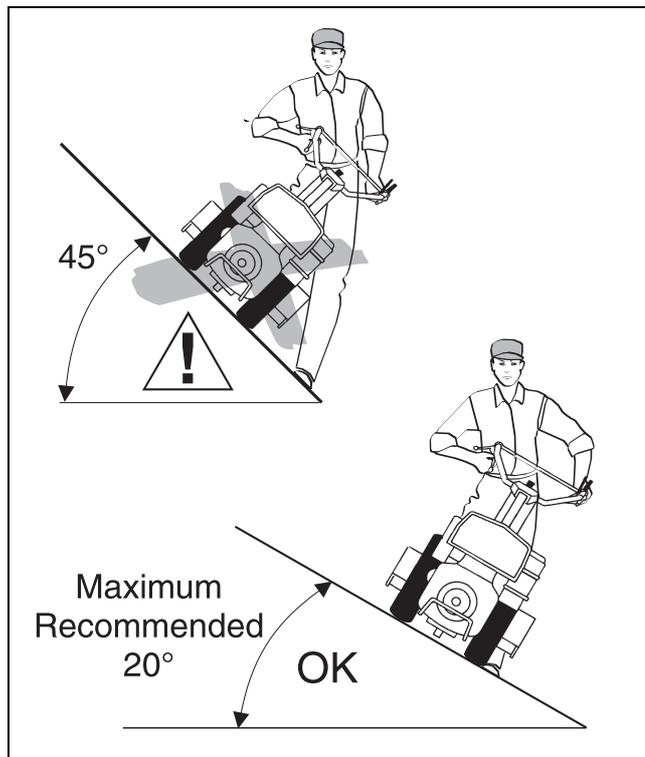
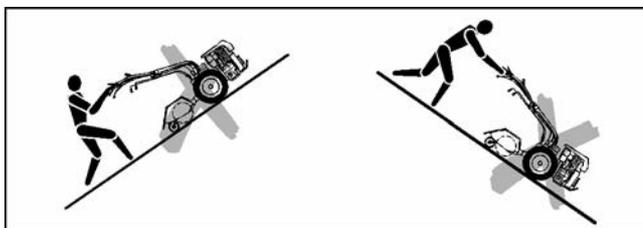
- Disengage all control levers before starting the motor. Keep your feet clear of the attachments fitted to the two-wheel tractor.
- Do not run the engine in a closed environment where the exhaust gases can collect. They contain carbon monoxide that is highly toxic.
- Do not interfere with safety device (engine shut-off). Do not use the two-wheel tractor if this safety device is missing or defective.
- When a machine is delivered new, there is no oil in the air filter. Before using your two-wheel tractor, add motor oil up to the marked level.

! OPERATING OF THE TWO-WHEEL TRACTOR

- Make sure that you know how to stop the engine in an emergency. Familiarize yourself with the controls and learn how to use your two-wheel tractor correctly.
- Do not allow children or inexperienced people to operate it.
- Do not use your two-wheel tractor in proximity of other people, and in particular of children. Do not use it close to animals. Bear in mind that you are responsible for any damage or injury caused to people or things.
- Do not use the rotary tiller attachment without its protection hood and guards.
- Use your two-wheel tractor only in daylight or with good artificial lighting. Operate it at walking pace. Do not run.
- Take particular care on slopes; operate only under safe and stable conditions. Do not work uphill or downhill; move across the slope instead. Take special care when turning.
- For obvious reasons, never work on slopes steeper than 30°.
- To ensure that gasoline fuelled engines are correctly lubricated, avoid working for long periods on slopes steeper than 20°.
- Do not operate the two-wheel tractor if hoods or other safety devices are missing or defective.
- Keep your hands and feet clear of all attachments.
- Do not lift or transport your two-wheel tractor with the engine running.
- Inspect the ground before you start working. Clear it from stones, wood, wires and any other foreign objects.

! OPERATING OF ATTACHMENTS

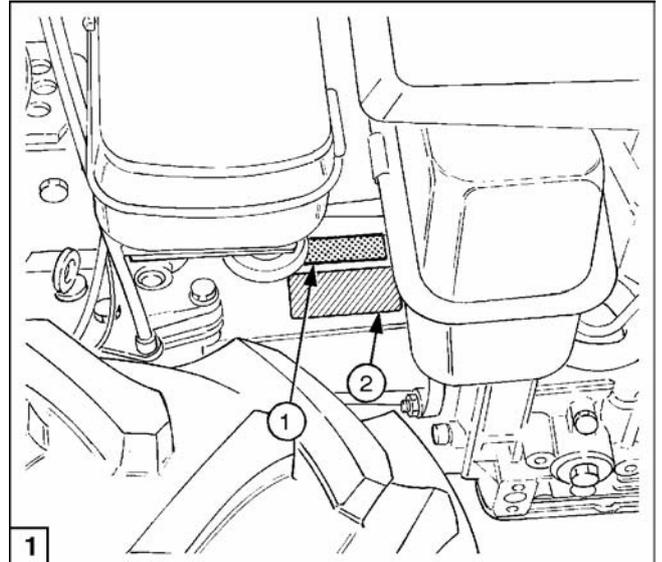
- Check that the attachment coupled to the PTO functions correctly before starting the motor.
- Never use attachments coupled to the PTO in proximity of children or animals.
- Keep your hands and feet well clear of the attachment coupled to the PTO.
- Before using an attachment, make sure that the **reverse speed safety device** has been set as required (this can be used when the front-mounted attachments are fitted, and not when the tiller is rotating).
- When a front-mounted attachment is installed, the handlebars are rotated through 180°, hence the gear and PTO levers are reversed.
 - The Manufacturer waives any responsibility arising from improper use of the safety device.



! MAINTENANCE

- Stop the engine and disconnect the spark plug lead:
 - before checking or repairing your two-wheel tractor;

- in case of excessive vibrations (investigate cause immediately).
- Stop the engine before adjusting attachments.
- Periodically check that all nuts and bolts are tight.
- Do not leave your two-wheel tractor in closed ambient with fuel in the tank. Fuel vapour is a potential source of danger.
- Keep your two-wheel tractor clean. Do not let grass and oil residues build up: these are a fire hazard.
- **Fuel is highly flammable.** Store fuel only in specifically designed containers. Refuel your two-wheel tractor in the open. Do not smoke while refuelling.
- Complete refuelling before starting the engine. Do not remove the fuel cap or refuel when the engine is running or hot. In case of fuel spillage, do not start the engine. Push your two-wheel tractor some distance away from where the spillage occurred before starting it.
- Replace the exhaust pipe if it becomes worn or damaged.



IDENTIFICATION DATA

TWO-WHEEL TRACTOR IDENTIFICATION

The serial number is stamped on the engine side of the gear box of your two-wheel tractor (see fig. 1, item 1).

ENGINE IDENTIFICATION

Refer to the engine Operation and Maintenance Manual.

EC MARKING

The two-wheel tractor is marked EC in compliance with the Directive of the European Community Council 89/392/EEC and further amendments (see fig. 1, item 2).

The summary of the EC marking related to the 1000 and 1000 Special models are indicated below.

 TYPE OF MARKING TWO-WHEEL TRACTOR 1000 (2+2)	NOISE AND VIBRATIONS								
	Test conditions: - P.T.O.: Disengaged - machinestationary on a concrete plane surface			Test conditions: - P.T.O.: Engaged					
Models: 1000 (2+2) - 1000 Diesel (2+2) Progressiv unit number starting from AG03838 (punched on the gearbox)	Sound pressure on operator's ears dB(A)	Acoustic power dB(A)	Acceleration on hangrip EN 1033 - 28662/1 m/sec ²	Sound pressure on operator's ears dB(A)	Acoustic power dB(A)	Acceleration on hangrip EN 1033 - 28662/1 m/sec ²			
	(Machine stationary on a grass surface)	(Machine stationary on a concrete surface with an interposed elastic layer)	(Machine running on a concrete surface with an interposed elastic layer)						
 VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY Modello tipo: 1000 (2+2) N. Serie: BH25X00000 Mot.: GX 160 Potenza: 4 kW/ 3600 rpm Anno di Fabbricazione: Massa: 83,500 kg 	Engine: HONDA GX 160 Mass (weight): with wheels 4.00-8 with rotary tiller cm. 60			With ROTARY TILLER cm. 60			With SICKLE BAR MOWER cm. 117		
	81,5	-	<2,5	86	102,5	-			
 VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY Modello tipo: 1000 (2+2) N. Serie: BH25X00000 Mot.: GX 200 Potenza: 4 kW/ 3600 rpm Anno di Fabbricazione: Massa: 85,000 kg 	Engine: HONDA GX 200 Mass (weight): with wheels 4.00-8 with rotary tiller cm. 60			With ROTARY TILLER cm. 60			With SICKLE BAR MOWER cm. 117		
	-	-	-	-	-	-			
 VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY Modello tipo: 1000 (2+2) N. Serie: BH25X00000 Mot.: EX 27 Potenza: 5,9 kW/ 3600 rpm Anno di Fabbricazione: Massa: 90,000 kg 	Engine: ROBIN EX 27 Mass (weight): with wheels 4.00-8 with rotary tiller cm. 60			With ROTARY TILLER cm. 60			With SICKLE BAR MOWER cm. 117		
	-	-	-	-	-	-			
 VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY Modello tipo: 1000 (2+2) N. Serie: BH25X00000 Mot.: 1 IM 359 Potenza: 6,6 kW/ 3600 rpm Anno di Fabbricazione: Massa: 94,500 kg 	Engine: LOMBARDINI 1 IM 359 Mass (weight): with wheels 4.00-8 with rotary tiller cm. 60			With ROTARY TILLER cm. 60			With SICKLE BAR MOWER cm. 117		
	84,5	-	2,63	87,5	103,5	12,48			
 VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY Modello tipo: 1000 Diesel (2+2) N. Serie: BH25X00000 Mot.: 15 LD 315 Potenza: 5 kW/ 3600 rpm Anno di Fabbricazione: Massa: 121,500 kg 	Engine: LOMBARDINI 15 LD 315 Mass (weight): with wheels 4.00-10 with rotary tiller cm. 60			With ROTARY TILLER cm. 60			With SICKLE BAR MOWER cm. 117		
	89,5	103,5	2,89	89	107,5	12,08			
 VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY Modello tipo: 1000 Diesel (2+2) N. Serie: BH25X00000 Mot.: L 70 Potenza: 5,7 kW/ 3600 rpm Anno di Fabbricazione: Massa: 115,500 kg 	Engine: YANMAR L70 Mass (weight): with wheels 4.00-10 with rotary tiller cm. 60			With ROTARY TILLER cm. 60			With SICKLE BAR MOWER cm. 117		
	93	103,6	14 ◆ 6,4	89	107,5	12,08			

S/N reading: **BH25** type of machine
X year of manufacturing
00000 week of production
00000 progressiv n° of production

◆ 100% max peak R.P.M.

 TYPE OF MARKING TWO-WHEEL TRACTOR 1000 (2+2) E	NOISE AND VIBRATIONS								
	Test conditions: - P.T.O.: Disengaged - machine stationary on a concrete plane surface			Test conditions: - P.T.O.: Engaged					
Models: 1000 (2+2) E Progressiv unit number starting from AG03838 (punched on the gearbox)	Sound pressure on operator's ears dB(A)	Acoustic power dB(A)	Acceleration on hangrip EN 1033 - 28662/1 m/sec ²	Sound pressure on operator's ears dB(A)	Acoustic power dB(A)	Acceleration on hangrip EN 1033 - 28662/1 m/sec ²			
				(Machine stationary on a grass surface)	(Machine stationary on a concrete surface with an interposed elastic layer)	(Machine running on a concrete surface with an interposed elastic layer)			
 VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY Modello tipo: 1000 (2+2) N. Serie: BH25X00000 Mot.: GC 160 Potenza: 3,7 kW/ 3600 rpm Anno di Fabbricazione: Massa: 78,000 kg 	Engine: HONDA GC 160 Mass (weight): with wheels 4.00-8 with rotary tiller cm. 50			With ROTARY TILLER cm. 50			With SICKLE BAR MOWER cm. 117		
	81,5	-	<2,5	86	102,5	12,48			

S/N reading: **BH25** type of machine
X year of manufacturing
00000 week of production
00000 progressiv n° of production

<p>GB</p> <p>TYPE OF MARKING</p> <p>TWO-WHEEL TRACTOR 1000 (3+2)</p>	<p>NOISE AND VIBRATIONS</p>								
	<p>Test conditions: - Engine R.P.M.: 85% peak R.P.M. - P.T.O.: Disengaged - machinestationary on a concrete plane surface</p>			<p>Test conditions: - P.T.O.: Engaged</p>					
<p>Models: 1000 Special (3+2) - 1000 Diesel Special (3+2)</p> <p>Progressiv unit number starting from AD01852</p> <p>(punched on the gearbox)</p>	<p>Sound pressure on operator's ears dB(A)</p>	<p>Acoustic power dB(A)</p>	<p>Acceleration on hangrip EN 1033 - 28662/1 m/sec²</p>	<p>Sound pressure on operator's ears dB(A)</p>	<p>Acoustic power dB(A)</p>	<p>Acceleration on hangrip EN 1033 - 28662/1 m/sec²</p>			
	(Macchine stationary on a grass surface)	(Macchine stationary on a concrete surface with an interposed elastic layer)	(Machine running on a concrete surface with an interposed elastic layer)						
<p>S.E.P. VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY</p> <p>Modello tipo: 1000 Special (3+2)</p> <p>N. Serie: BH50X00000</p> <p>Mot.: GX 200</p> <p>Potenza: 6,5 kW/ 3600 rpm</p> <p>Anno di Fabbricazione:</p> <p>Massa: 111,000 kg</p> <p>CE</p>	<p>Engine:</p> <p>HONDA GX 200</p> <p>Mass (weight):</p> <p>with wheels 4.00-10</p> <p>with rotary tiller cm. 60</p>			<p>With ROTARY TILLER cm. 60</p>			<p>With SICKLE BAR MOWER cm. 117</p>		
	-	-	-	-	-	-			
<p>S.E.P. VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY</p> <p>Modello tipo: 1000 Special (3+2)</p> <p>N. Serie: BH50X00000</p> <p>Mot.: EX 27</p> <p>Potenza: 5,9 kW/ 3600 rpm</p> <p>Anno di Fabbricazione:</p> <p>Massa: 116,000 kg</p> <p>CE</p>	<p>Engine:</p> <p>ROBIN EX 27</p> <p>Mass (weight):</p> <p>with wheels 4.00-10</p> <p>with rotary tiller cm. 60</p>			<p>With ROTARY TILLER cm. 60</p>			<p>With SICKLE BAR MOWER cm. 117</p>		
	-	-	-	-	-	-			
<p>S.E.P. VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY</p> <p>Modello tipo: 1000 Special (3+2)</p> <p>N. Serie: BH50X00000</p> <p>Mot.: 1 IM 359</p> <p>Potenza: 6,6 kW/ 3600 rpm</p> <p>Anno di Fabbricazione:</p> <p>Massa: 111,000 kg</p> <p>CE</p>	<p>Engine:</p> <p>LOMBARDINI 1 IM 359</p> <p>Mass (weight):</p> <p>with wheels 4.00-10</p> <p>with rotary tiller cm. 60</p>			<p>With ROTARY TILLER cm. 60</p>			<p>With SICKLE BAR MOWER cm. 117</p>		
	84,5	-	2,63	87,5	103,5	12,48			
<p>S.E.P. VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY</p> <p>Modello tipo: 1000 Diesel Special (3+2)</p> <p>N. Serie: BH50X00000</p> <p>Mot.: 15 LD 315</p> <p>Potenza: 5 kW/ 3600 rpm</p> <p>Anno di Fabbricazione:</p> <p>Massa: 133,000 kg</p> <p>CE</p>	<p>Engine:</p> <p>LOMBARDINI 15 LD 315</p> <p>Mass (weight):</p> <p>with wheels 4.00-10</p> <p>with rotary tiller cm. 60</p>			<p>With ROTARY TILLER cm. 60</p>			<p>With SICKLE BAR MOWER cm. 117</p>		
	89,5	103,5	2,89	89	107,5	12,08			
<p>S.E.P. VALPADANA S.p.A. 42018 SAN MARTINO IN RIO REGGIO EMILIA - ITALY</p> <p>Modello tipo: 1000 Diesel Special (3+2)</p> <p>N. Serie: BH50X00000</p> <p>Mot.: L 70</p> <p>Potenza: 5,7 kW/ 3600 rpm</p> <p>Anno di Fabbricazione:</p> <p>Massa: 125,500 kg</p> <p>CE</p>	<p>Engine:</p> <p>YANMAR L70</p> <p>Mass (weight):</p> <p>with wheels 4.00-10</p> <p>with rotary tiller cm. 60</p>			<p>With ROTARY TILLER cm. 60</p>			<p>With SICKLE BAR MOWER cm. 117</p>		
	93	103,6	14 ◆ 6,4	89	107,5	12,08			

MIT2002-4GB

S/N reading: **BH50** type of machine
X year of manufacturing
00000 week of production
00000 progressiv n° of production

◆ 100% max peak R.P.M.

TECHNICAL SPECIFICATIONS

ENGINE

The two-wheel tractor may be fitted with the following engines:

- HONDA GC 160; 4 stroke gasoline; 3,7 kW (5 HP); 160 cm³.
- HONDA GX 160; 4 stroke gasoline; 4 kW (5,5 HP); 163 cm³.
- HONDA GX 200; 4 stroke gasoline; 4,8 kW (6,5 HP); 198 cm³.
- ROBIN EX 27; 4 stroke gasoline; 5,9 kW (8 HP); 265 cm³.
- LOMBARDINI 1 IM 359; 4 stroke gasoline; 6,6 kW (9 HP); 349 cm³.
- LOMBARDINI 15 LD 315; 4 stroke Diesel; 5 kW (6,7 HP); 315 cm³.
- YANMAR L70; 4 stroke Diesel; 5,7 kW (7,7 HP); 296 cm³.

STARTING

Rewind start device as standard. Some models may be fitted with electric starter upon request.

ELECTRIC STARTING (upon request)

Upon request, two-wheel tractors can be fitted with electric starter with key control.

The 12 V battery has a capacity (40 hours) equal to 28 Ah.

CLUTCH

Multi plate dry clutch with control lever on left handlebar.

SPEEDS

Speeds are engaged through a lever fitted to the column.

Models 1000 (2+2)

Two-wheels tractor configuration: 2 forward speeds and 1 reverse speeds.

Configuration with front-mounted attachments: 2 forward speeds and 2 reverse speeds.

MAXIMUM SPEED km/h MOD. 1000 (2+2) – 1000 E (2+2)	
<p>NOTE: Tyres 4.00-8</p>	

Models 1000 (3+2)

Two-wheel tractor configuration: 3 forward speeds and 1 reverse speeds.

Configuration with front-mounted attachments: 2 forward speeds and 2 reverse speeds.

When the machine is fitted with front-mounted attachments, forward speeds become reverse speeds and vice versa because of reversal of the direction of motion. The maximum speed that can be attained in the different speeds is indicated in the following table.

VELOCITA' MASSIMA IN km/h MOD. 1000 (3+2)	
<p>NOTA: Pneumatici 4.00-8</p>	

TRANSMISSION

Mechanical oil bath gear box type.

DIFFERENTIAL GEAR (Special versions)

It can be actuated by a control lever fitted to the left handlebar (locking/unlocking).

POWER TAKE OFF (PTO)

Mounted attachments are driven via an independent, single speed PTO engaged by a control lever on the handlebars.

Maximum PTO speed: 943 rpm (clockwise rotation).

COUPLING OF ATTACHMENTS

Coupling of attachments to the PTO is obtained through a quick change fitting that provides for fast installation and removal of the attachments, and does not require the use of bolts, nuts or spanner.

HANDLEBARS

Adjustable in height and width. Rotate handlebars through 180° when front-mounted attachments are used.

BRAKES (SPECIAL VERSIONS)

Mechanical controlled, independent on the two wheels, applied by levers on the right handlebar.

WHEELS/TYRES

- Tyres with agricultural tread.

- Available sizes:

Mod. 1000 E:

4.00-8.

Mod. 1000 - 1000 Special:

4.00-8, 4.0-10 with adjustable track, 16X6.50-8.

- Inflation pressure: 1.2 bar.

NOTE

The instructions covering track adjustment, based on machine model and type of wheel, are given in a specific paragraph in this manual.

Refer to our catalogue for details about the various accessories available.

ACCESSORIES

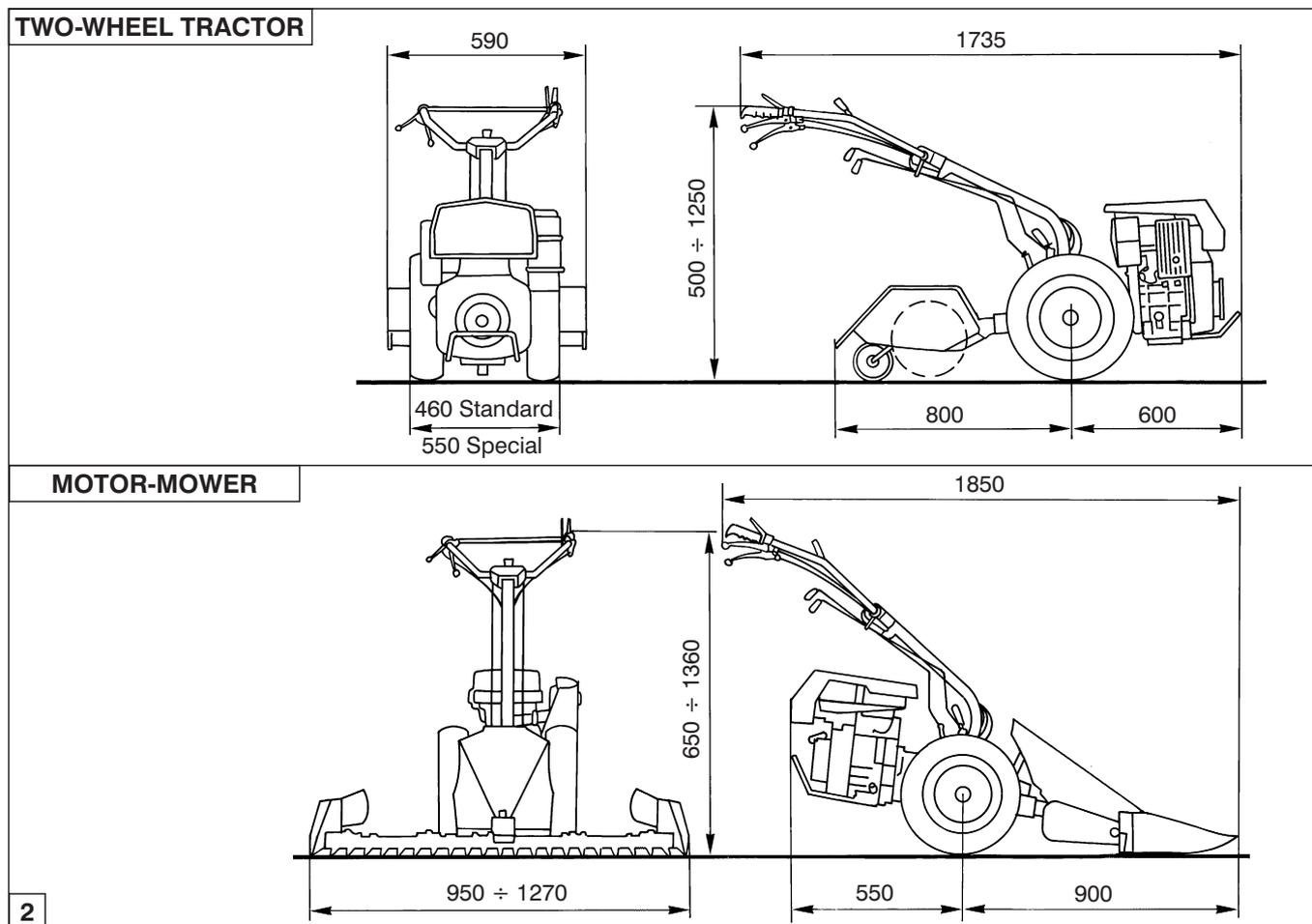
The two-wheel tractor can be fitted with a wide range of additional easy-to-fit accessories. These are, for instance, several types of iron wheels, watering pumps and sprayers, snow ploughs, ploughs, trailers, water sprinkling trolleys, etc.

MASS

Refer to the identification plate installed on the machine.

DIMENSIONS

The overall dimensions of the two-wheel tractor are shown in fig. 2.



SAFETY DEVICES

The two-wheel tractor is fitted with the following safety devices to ensure maximum safety:

- Automatic PTO disengagement device. This is a mechanical device that prevents shift into reverse speed when the PTO is rotating (two-wheel tractor configuration only).
- Engine shut-off. This is an electrical or mechanical device (Diesel) that stops the engine as soon as the handlebars are released.

REVERSE SPEED SAFETY DEVICE

The two-wheel tractor is provided with an operator-adjusted safety device that prevents concurrent use of reverse speed and attachment when the rotary tiller is fitted.

This device consists of a pin (see fig. 3, item 1) installed on the PTO control lever (2).

Disengage the PTO before removing the pin (1) and adjusting its position.

The placard illustrated in detail A shows the position of pin (1) as a function of the machine configuration.

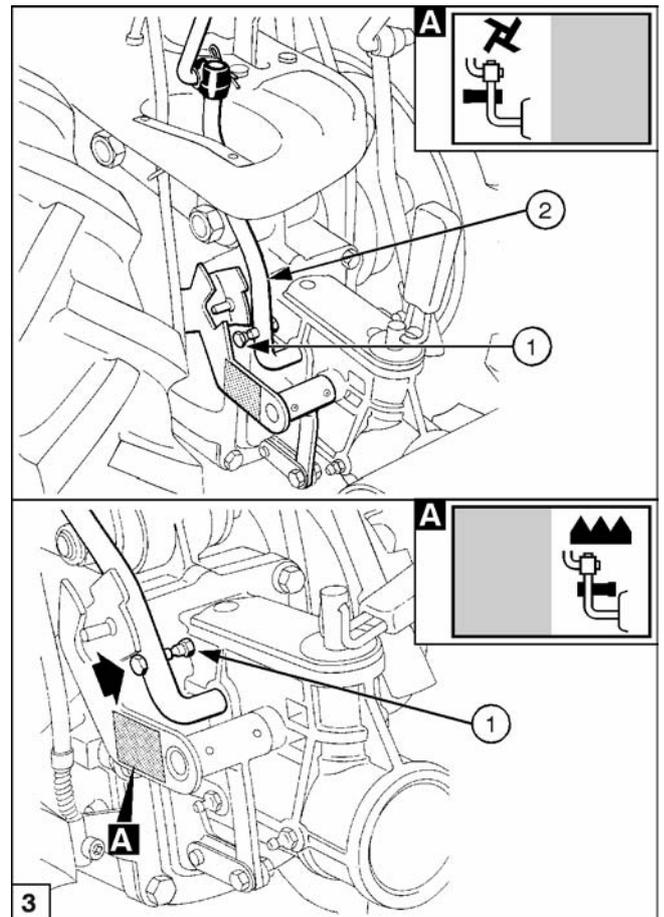
- **Pin pulled out:** when the pin is pulled out, as shown in the top half of fig. 3, reverse speed can be engaged only after uncoupling the PTO (machine in two-wheel tractor version).
- **Pin pushed in:** when the pin is in the position illustrated in the bottom half of fig. 3, reverse speed can be engaged also when the PTO is operating (machine fitted with front-mounted attachments).



WARNING

It is mandatory to check that the safety pin is positioned as required for the selected operating configuration (two-wheel tractor or front-mounted attachments).

The Manufacturer waives any responsibility arising from the incorrect use of the safety device.

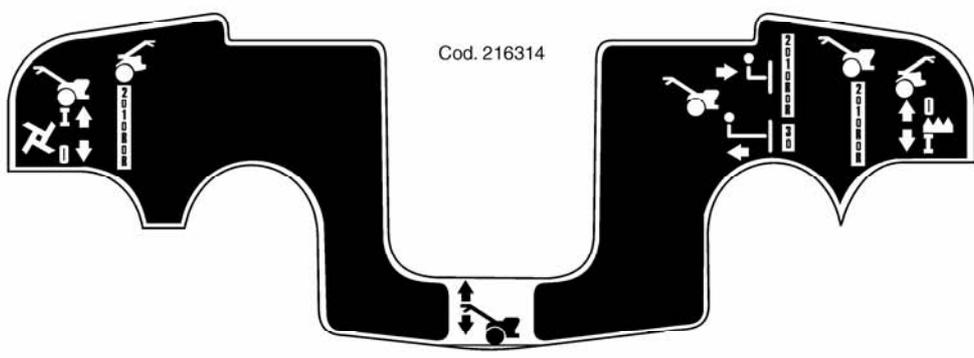


TRANSFER PRINTING - INSTRUCTIONS AND SAFETY

Please find below the adhesive transfer printing shown

on the machine. For accident prevention purposes, they must always be clearly readable. Should they be damaged, it is compulsory to replace them by requesting the original spare part from the Manufacturer.

BASIC MACHINE



Cod. 216314

GEAR CONTROL (only mod. 3+2)

Cod. 211762



CUTTER BAR
CLUTCH-RELEASE
CONTROL
(only mod. 2+2)

Cod. 207151

ATTENZIONE - FILTRO ARIA

- Rifornimento di olio all'acquisto
- Controllare ogni 8 ore di lavoro

WARNING! - AIR FILTER

- Fill in with oil at purchase time
- Check every 8 working hours

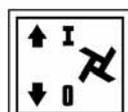
AIR FILTER

Cod. 216074



POWER
TAKE-OFF
CONTROL

Cod. 210540



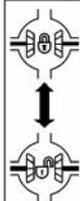
TILLER
CLUTCH-RELEASE
CONTROL
(only mod. 2+2)

Cod. 210792



ATTACHMENTS
LOCKING

Cod. 209670



DIFFERENTIAL
CLUTCH-RELEASE
(only Special)

Cod. 216075



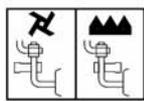
GEAR
CONTROL
(only mod. 2+2)

Cod. 216076



GEAR
CONTROL
(only mod. 3+2)

Cod. 213073



ACCIDENT PREVENTION
DEVICE

CUTTER BAR

Cod. 219409



ACCIDENT PREVENTION

Cod. 219379



NOISE

Cod. 212813

ADJUSTABLE KNIFE HEAD
MESSERKOPF REGISTRIERBAR
TETE DE LAME REGLABLE
TESTA DI LAMA REGISTRABILE



KNIFE HEAD

ROTARY TILLER

Cod. 217881



ACCIDENT PREVENTION

SYMBOLS

 Workshop manual	 Keep safety distance	 Power take-off (PTO)	 Two-wheel tractor
 Manual motor	 Locked	 Rotary tiller	 Motor mower
	 Unlocked	 Cutter bar	 Differential clutch

TWO-WHEEL TRACTOR CONTROLS

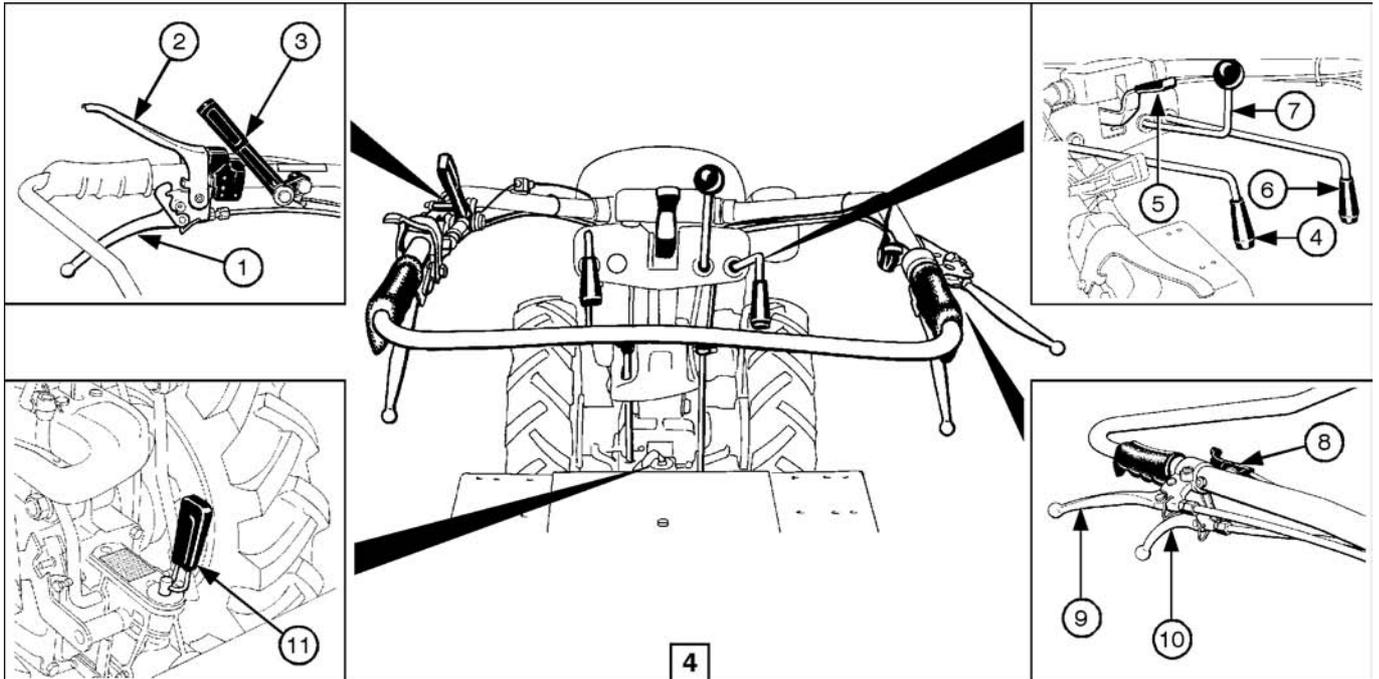
See fig. 4.

1. Clutch lever.
2. Engine stop lever.
3. Differential lock lever.
4. PTO control lever (Note 1).
5. Handlebar vertical lock release lever.
6. Gear lever (Note 2).
7. 3rd speed preselection control lever (versions 3+2).

8. Throttle control lever.
9. R.H. brake lever (Special versions).
10. L.H. brake lever (Special versions).
11. PTO instant adaptor.

NOTE 1: When the machine is fitted with front-mounted attachments, this lever becomes the gear lever.

NOTE 2: When the machine is fitted with front-mounted attachments, this lever becomes the PTO control lever.



OPERATING THE CONTROLS

Clutch lever

(See fig. 5)

- Lever (1) pulled up: clutch disengaged.
- Lever (1) released: clutch engaged.

Engine stop lever

(See fig. 5)

- Lever (2) pressed down: engine running.
- Lever (2) released: engine stopped.

Differential lock lever (Special versions)

You can lock the differential when operating on difficult terrain in order to obtain maximum traction.

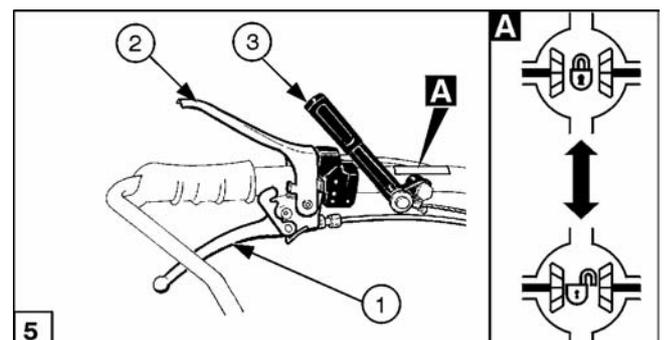
CAUTION

Use the differential lock while working in a straight line only.

To lock and unlock the differential proceed as follows (see fig. 5):

- a. To lock the differential, slow down the two-wheel tractor, and push the differential lock lever (3) forward.
- b. To unlock the differential, pull the clutch lever (1) and pull the differential lock lever (3) backward.

A plate on the left handlebar (see detail A) illustrates the use of the differential lock lever.



Gear lever

CAUTION

When using the machine as a motor mower, the handlebars must be rotated through 180°.

The gear and PTO control levers therefore interchange position. See page 17 for details.

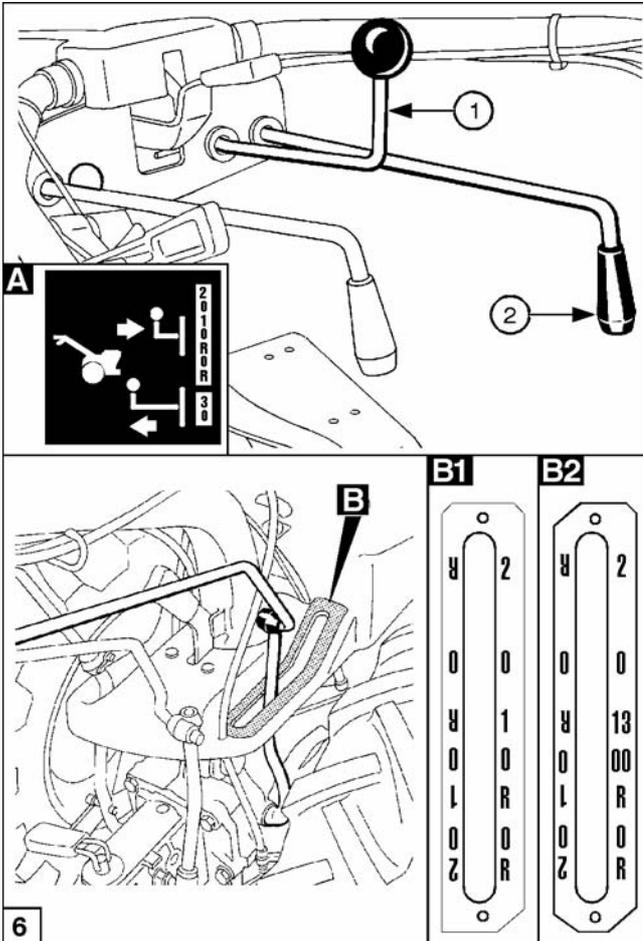
Use the gear lever as shown below (see fig. 6):

- Turn the throttle control lever to idle position.
- Pull up clutch lever.
- Move the lever to the neutral position.
- Set the speed preselection control lever (1) (only for versions 3+2) to the fully forward position (see the placard shown in detail A).
- Move the gear lever (2) to the required position (see the plate illustrated in detail B1), and release it as soon as the gear is engaged.
- Gradually release the clutch lever while accelerating the engine.
- To disengage gear, pull up the clutch lever and move gear lever (2) to the neutral position.



WARNING

A safety device does not permit reverse speed to be engaged when the PTO is operating (rotary tilling).



3rd speed preselection control lever (two-wheel tractor version Special 3+2)

The Special version of the two-wheel tractor is fitted with a preselection lever for engagement of the 3rd speed (forward speed only).

The levers are operated as follows (see fig. 6):

- Turn the throttle control lever to idle position.
- Pull up clutch lever.
- Move the gear lever (2) to the neutral position "0" which is indicated by the YELLOW marking.
- Pull the 3rd speed preselection control lever (1) to the fully aft position (see the placard shown in detail A).
- Move the gear lever (2) to position 3 which is indicated by the YELLOW marking (see the placard shown in detail B2), and release the lever after engagement is obtained.
- Slowly release the clutch lever while accelerating the engine.
- To disengage the 3rd speed, pull the clutch lever, and return the lever (2) to position "0" which is indicated by the YELLOW marking.

CAUTION

To return the two-wheel tractor to the configuration of version 2+2, it is necessary to move the speed preselection control lever (1) back to the fully forward position.

Power Take Off (PTO) control lever (two-wheel tractor configuration)

CAUTION

When using the machine as a motor mower, the handlebars must be rotated through 180°.

The gear lever and PTO control lever therefore interchange position. See page 17 for details.

The Power Take Off (PTO) control lever engages the drive to the rotary tiller.

To engage and disengage drive, proceed as follows (see fig. 7):

- Turn throttle control lever to idle position.
- Pull up clutch lever.
- Pull PTO control lever (1) and release it when drive is engaged (see plate in detail A and B).
- Release the clutch lever while accelerating the engine.

CAUTION

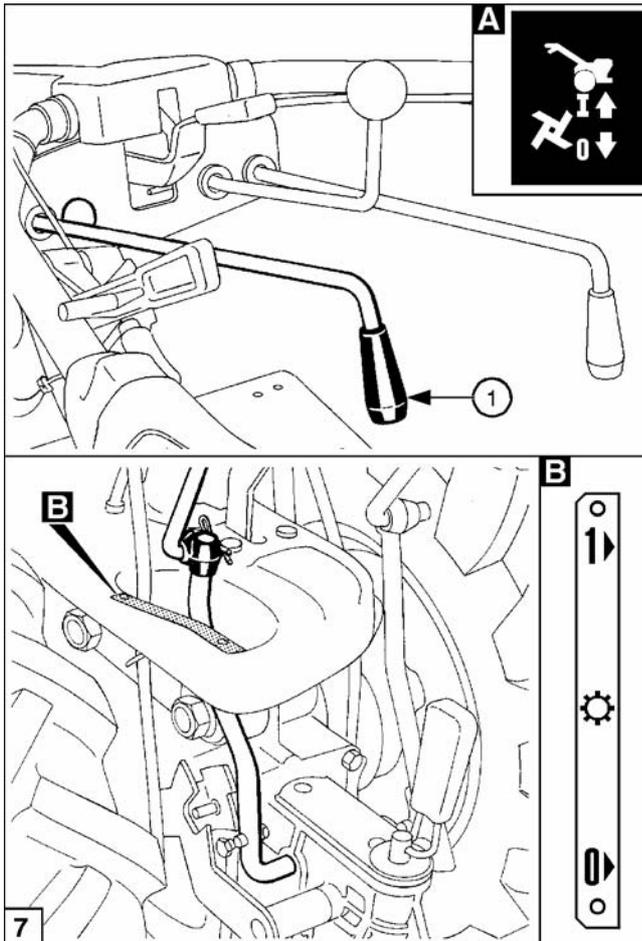
The clutch lever must be released slowly to prevent damage to the drive. Do not start working with attachment under load.



WARNING

A safety device prevents you from using the rotary tiller attachment in reverse speed.

Do not use the two-wheel tractor if this safety device is not correctly installed.

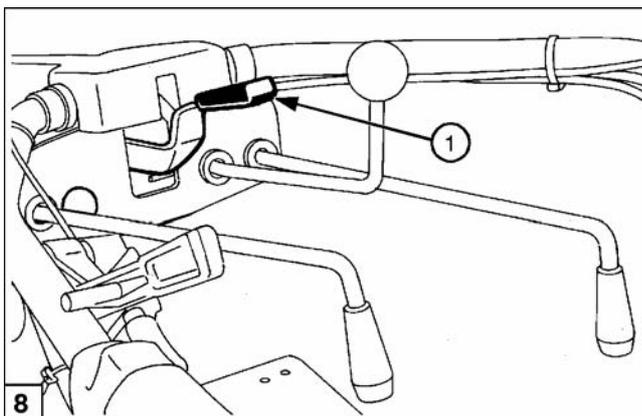


Handlebar vertical lock release lever

(See fig. 8)

This allows the handle to be adjusted vertically to suit driving comfort and tilling depth.

Simply push lever (1) down to release the handles.

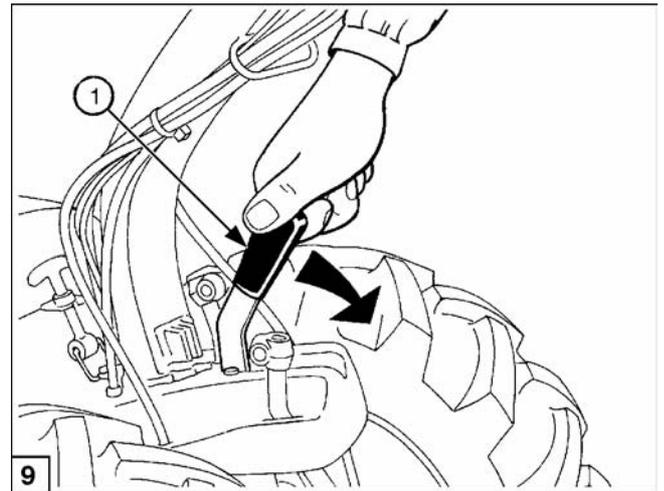


Handlebar sideway lock release lever

(See fig. 9)

By releasing the lock, you can rotate the handlebars to use the front-mounted attachments.

Simply push lever (1) down to release the handlebars.



Throttle control lever

(See fig. 10)

- Lever (1) in up position: engine at idle.
- Lever (1) in down position: max engine rpm.

Brake levers

(Special versions)

The brakes act independently on the two wheels, and can be used separately to assist tight cornering as well as together to slow the machine in a straight line.

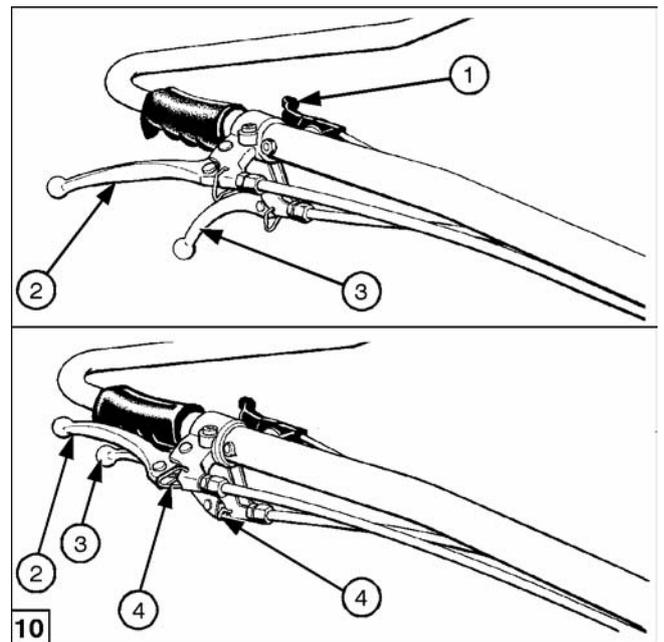
Use the brakes as follows (see fig. 10):

- a. To turn right, pull up the right hand brake lever (2).
- b. To turn left, pull up the left hand brake lever (3).

PARKING BRAKE

(See fig. 10)

To lock the wheels for parking, pull up both brake levers (2) and (3), and engage brake locks (4).

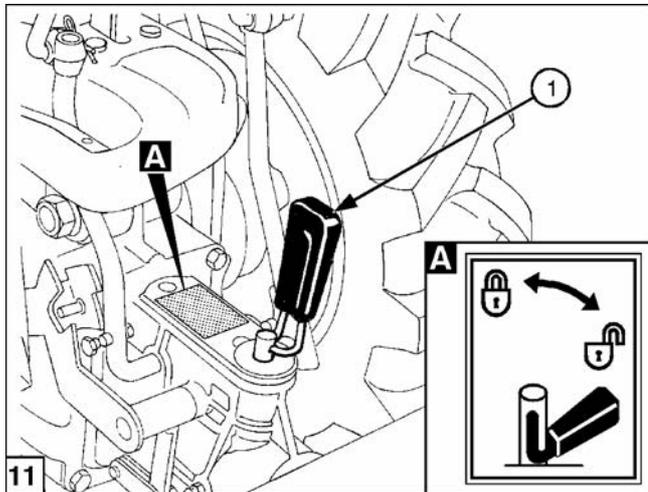


PTO Instant adaptor

This allows attachments to be coupled and decoupled quickly and easily to and from the PTO.

The lever (1) has two positions (see fig. 11):

- Locked position: pull up lever (1).
- Released position: push down lever (1).

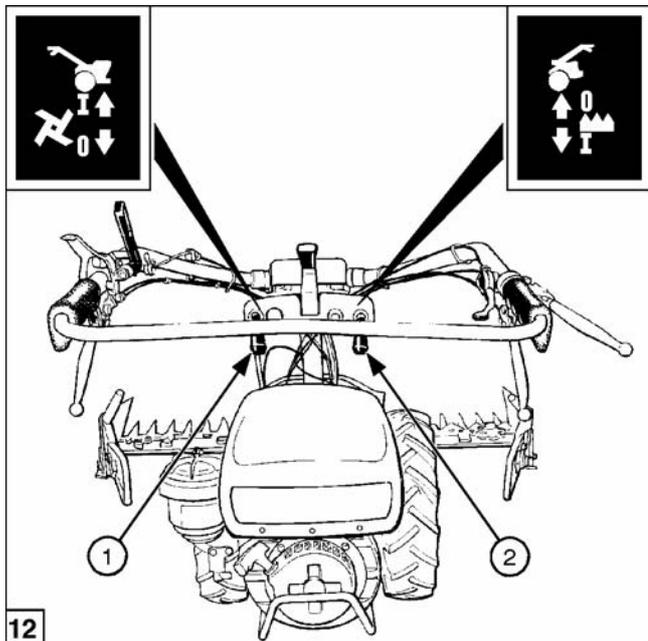


A decal (see detail A) near the PTO instant adaptor lever illustrates operation. See page 18 for instructions on how to fit the attachments.

CONTROLS OF FRONT-MOUNTED ATTACHMENTS

When the machine is used with front-mounted attachments, the gear and the PTO levers are reversed with respect to when the machine is used as a two-wheel tract. This is due to reversal of the direction of motion. Lever (fig. 12, item 1) becomes the gear lever, and lever (2) becomes the PTO control lever.

The symbols shown in figure 12 and applied to the column, remind the user about the functions of the levers.



OPERATING THE TWO-WHEEL TRACTOR



WARNING

Before operating your two-wheel tractor, read carefully and commit to memory the instructions given in the "SAFETY REGULATIONS" paragraph at the beginning of this manual.

STARTING THE ENGINE

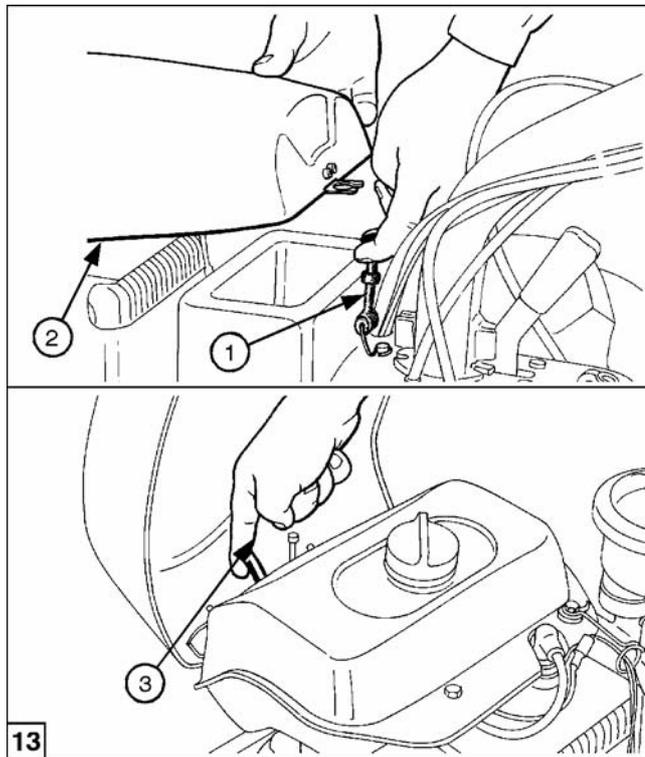
NOTE

See the engine Operation and Maintenance Manual for all informations regarding the engine.

CAUTION

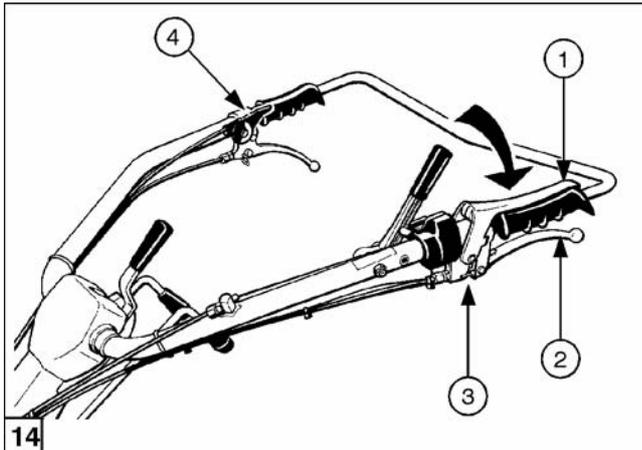
Oil bath air filter (if fitted) - When delivered new, there is no oil in the air filter.

Before using your two-wheel tractor, add motor oil up to the marked level.



- a. Disengage all control levers before starting the engine.
- b. **Gasoline engines:** in order to gain access to the refuelling cap, it is necessary to open the hood. Unlock the turnbuckle (fig. 13, item 1), open the hood (2), and rotate the lever (3) upward.
- c. **Gasoline engines:** open the fuel cock.
- d. **Gasoline engines:** if cold starting the engine, use the choke.
- e. Press down the engine stop lever (fig. 14, item 1).
- f. Pull clutch lever (2) fully up.

- g. Lock the clutch lever (2) in position with locking device (3).
- h. Turn throttle control lever (4) for 1/4 turn.
- i. **Gasoline engines:** grip the pull-rope handle and pull firmly and quickly. When the engine starts, allow the rope to wind back onto the reel slowly.
Diesel engines: manually wind the rope on the reel, and pull firmly and quickly.
- j. Turn the throttle control lever (4) to idle position, and allow the engine to warm up.

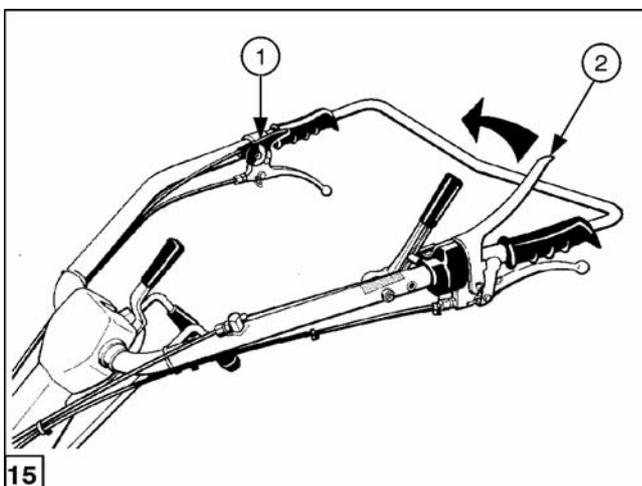


NOTE

Do not leave the clutch lever pulled up for an extended length of time after the engine has started. This could cause damage to the clutch.

STOPPING THE ENGINE

- a. Turn throttle control lever (fig. 15, item 1) to idle position.
- b. Release the engine stop lever (2).
- c. **Gasoline engines:** if you plan not to use your two-wheel tractor for a long time, shut off the fuel cock.
- d. **Gasoline engines:** if you plan not to use your two-wheel tractor for a long time (over a week), drain the carburettor bowl.



WARNING

The engine stop lever (2) also operates as a safety device (emergency stop), and stops the engine as soon as it is released.

FITTING FRONT-MOUNTED ATTACHMENTS

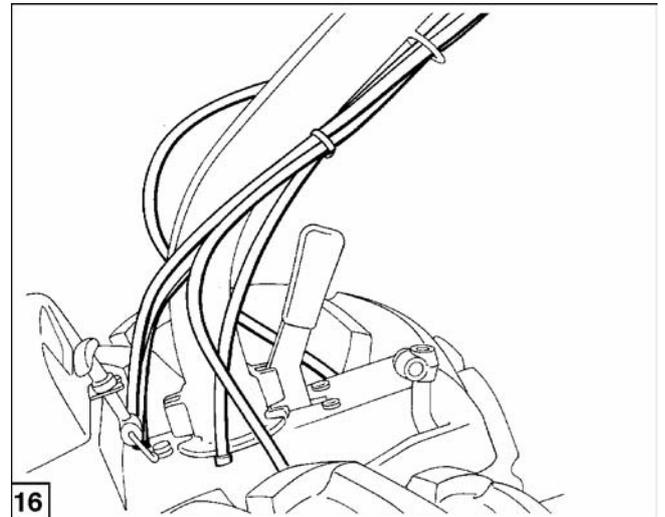
Before fitting a front-mounted attachment (cutter bar mower, rotary mower, snow thrower, etc.) you must set the safety device in "motor mower" configuration, remove the 3rd speed preselection control lever and reverse the handlebars and the position of the wheels.

NOTE

The control cables that are routed to the top part of the gearbox are the following:

- clutch control cable;
- differential gear control cable;
- right wheel brake control cable;
- left wheel brake control cable.

Check that the position of the cables in the two-wheel tractor version is as shown in fig. 16.



SAFETY DEVICE

Set the reverse speed safety device in the correct position as regards the direction of travel (see fig. 3).



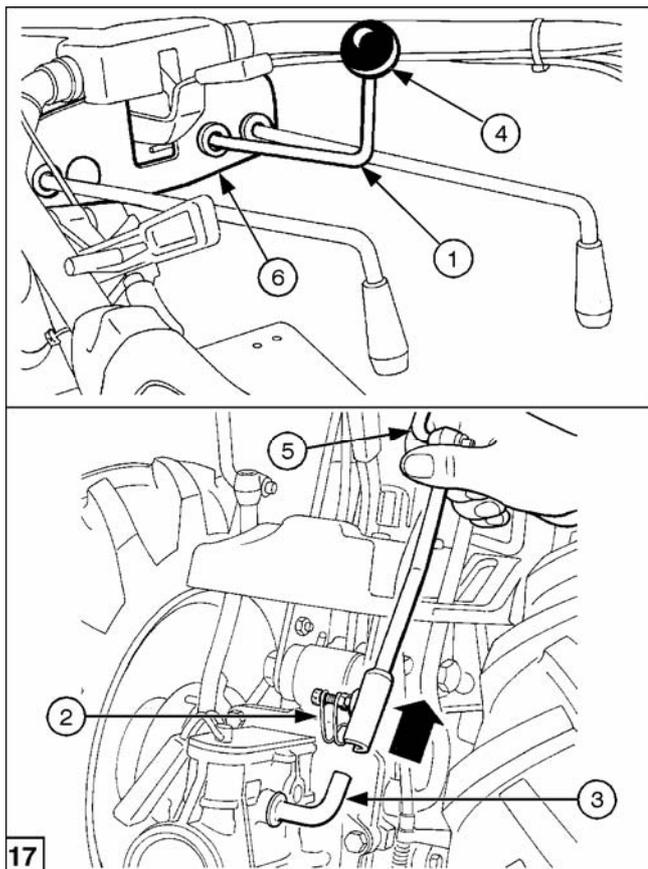
WARNING

- Before using the machine, check that the locking pin is in correct position
- Before using the machine in two-wheel tractor configuration, you must position the locking pin as required to prevent engagement of the PTO when the tiller is rotating, as shown in figure 3.

REMOVAL OF 3rd SPEED PRESELECTION CONTROL LEVER

When front-mounted attachments are used, it is necessary to remove the 3rd speed preselection control lever from the machine. To do this, proceed as follows (see fig. 17):

- Move the preselection control lever (1) to the fully forward position.
- Release the spring clip (2), and slide the terminal of the lever (1) out of the control pin (3). **Pull upward.**



CAUTION

The above operations cannot be carried out if the preselection control lever (1) is not correctly positioned (it is not pushed to the fully forward position) as interference with the locking pawl could result.

- Unscrew the knob (4) from the lever (1).
- Slide the lever (1) out of its housing on the handlebar support (6).

CAUTION

The joint (5) between the lever (1) and its terminal must not be disassembled. Keep the lever assembly in a safe place for reuse when the machine is operated in two-wheel tractor version.

- When the machine is used again in two-wheel tractor version (3rd speed available), reinstall the preselection control lever assembly (1) by carrying out the procedure described above in a reverse order.

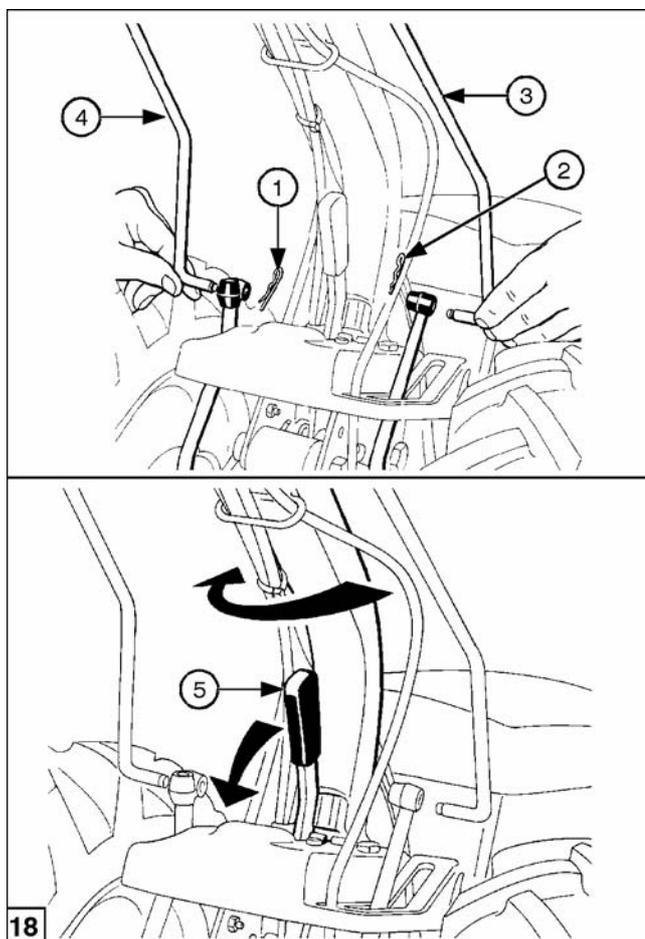
REVERSING THE HANDLEBARS

Rotate the handlebars through 180° to operate the machine in the changed direction of motion. Proceed as follows (see fig. 18):

- Remove pins (1) and (2) connecting the gear rod (3) and the PTO control rod (4).
- Push lever (5) downward, and rotate the handlebars sideways through 180° in clockwise direction.
- Release lever (5), and lock the handlebars.
- Connect again the gear (3) and PTO (4) control rods to the corresponding control levers and secure with pins (1) and (2).

NOTE

While reversing the handlebars, make sure that the cables do not become tangled or caught.



REVERSING THE WHEELS

Every time you use a front-mounted attachment, the wheels must be interchanged to keep the tread pattern pointing in the right direction.

Simply remove each wheel from its hub and install it on the opposite hub.

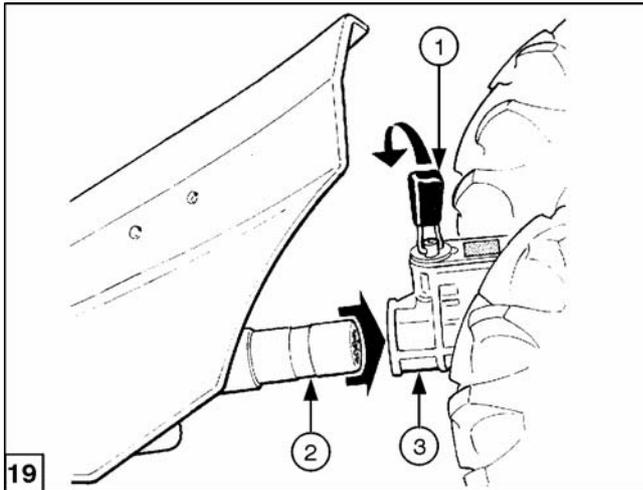
An arrow on the sidewall of the tire indicates the correct direction of rotation.

COUPLING ATTACHMENTS TO THE PTO

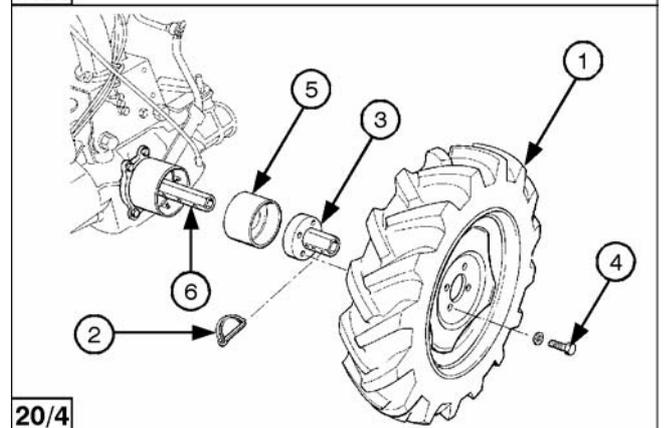
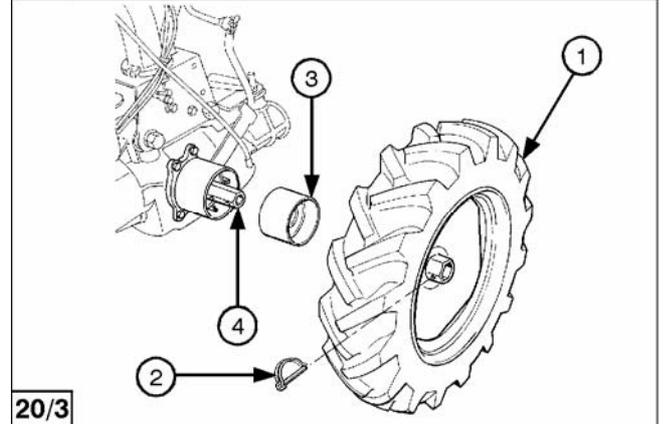
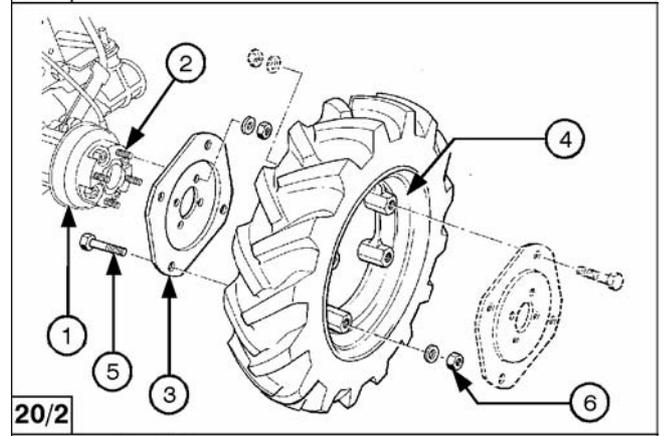
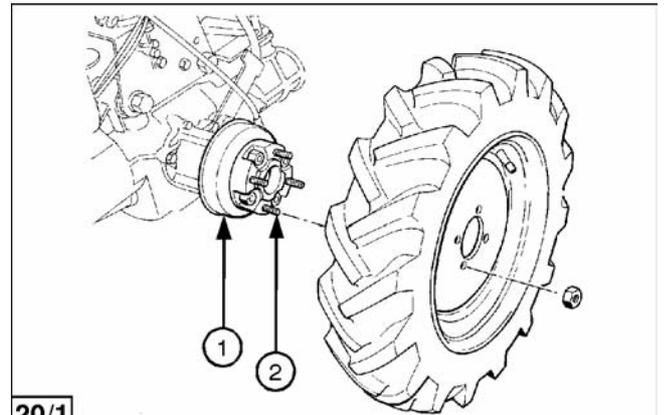
The PTO is fitted with an instant adaptor device to fit attachments quickly and easily.

Proceed as follows to fit your attachments (see fig. 19):

- Check that lever (1) is in "disengaged" position.
- Push the shaft of the attachment (2) into the PTO (3). Make sure that it engages fully.
- Lower lever (1) to the "engaged" position. Check that the attachment is correctly locked.



Three different adjustments of track are thus possible.



WHEELS

TRACK ADJUSTMENT

Track width can be adjusted to suit the type of wheel fitted.

Wheels (4.00-8) without adjustable rim

These wheels, that are fitted to the hub (fig. 20/1, item 1) by means of four studs (2) and the associated nuts, can be installed in a single position only, therefore, track cannot be modified.

Wheels (4.00-10) with adjustable rim

This type of wheel is fastened to the hub (fig. 20/2, item 1) by means of four studs (2) and the associated nuts, and is provided with an adjustable rim.

Track adjustment is carried out by placing the flange (3) either on the inside or the outside of the rim (4), and securing it with the screws (5) and nuts (6) as required to suit the chosen rim width.

NOTE

Flange (3) can be positioned on the inside of the rim with the protruding part pointing to either direction. If the flange is installed on the outside of the rim, the protruding portion can point to the **outside** only.

Wheels (4.00-8) with adjustable track (35-40-45-50 cm)

These wheels have hexagonal axle holes and a hub with two through holes.

To adjust track width, fit wheel (fig. 20/3, item 1) to hub (4) by means of pin (2) at the through hole which gives the desired width.

For wide track settings, use spacer (3) between hub and wheel. Track can be further widened by about 5 cm by reversing the wheels (with the outside of the rim on the inside).

In this case, however, you must switch the left and right wheels over to keep wheel tread pointing in the right direction.

Wheels (4.00-10) with adjustable track

These wheels have removable flanges and a hub with three through holes. To adjust track, first fit flange (fig. 20/4, item 3) to wheel (1) with the four screws (4).

Then fit the wheel to the hub (6) and secure with pin (2) at the holes giving the required track width (various settings are possible). With wide track settings, use spacer (5) between hub and wheel. Further adjustment can be obtained by reversing and switching the wheels as instructed above.

MAINTENANCE

To ensure continuing reliability, use only original spare parts when overhauling or repairing your two-wheel tractor.

ENGINE

Make sure you do comply with the safety precautions contained in the engine Operation and Maintenance Manual.

During the first 50 hours (running in)

For the first 50 hours do not use the machine for heavy duty work.

The following additional instructions must also be complied with during the running in period.

DRY TYPE AIR FILTER (HONDA GX 200)

Every 8 working hour

Carefully clean the air filter cartridge with air compressed and in case of any damage substitute with new one

OIL BATH AIR FILTER

(HONDA L 70 LOMBARDINI 1 IM 359 /
15 LD 315 HONDA GX160)

Every 8 hours

Check the oil level in the air filter. If necessary, top up with engine oil.

Clean the filter element as instructed in the engine Operation and Maintenance Manual.

NOTE

Filter cleaning frequency depends on operating conditions, but should never be more than 8 hours.

Every 60 hours

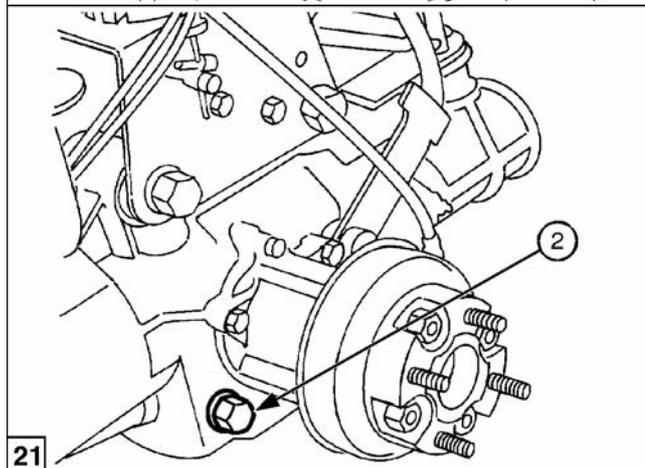
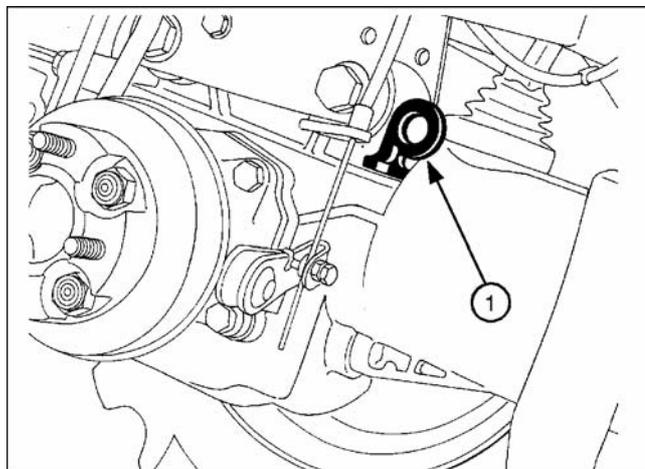
Clean the filter element, and change the filter oil as instructed in the engine Operation and Maintenance Manual.

GEARBOX AND TRANSMISSION

After the first 50 hours (running in)

Change the gear/transmission oil (see fig. 21). Change the oil when the engine is hot to facilitate draining of oil.

- a. Remove the left wheel.
- b. Remove the oil dip-stick (1).
- c. Remove the oil drain plug (2) from the bottom of the gearbox (left side) and let the oil drain out. When fully drained, reinstall the plug (2).
- d. Fill up with new oil (1.5 liters) of the following types:
 - SAE 90 for ambient temperatures between -6 and +32°C;
 - SAE 140 for ambient temperatures between +32 and +60°C.



21

Every 20 hours

Check the level of the oil in the gearbox. The level must be between the maximum and minimum notch on the dip-stick (1).

NOTE

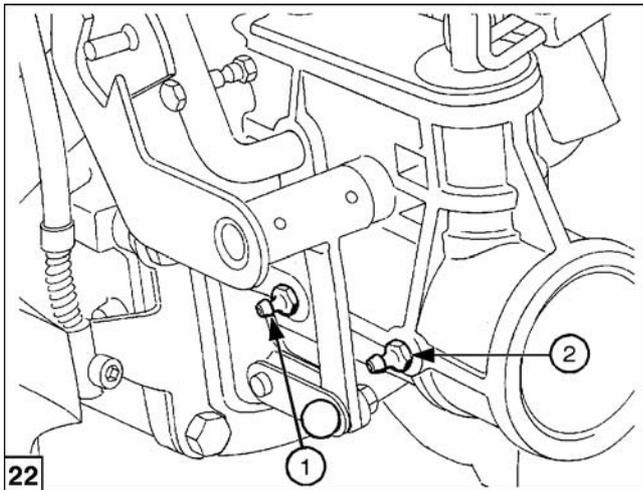
Check the oil level with the motor cold and with the two-wheel tractor on level ground.

Every 300 hours

Change the gearbox and transmission oil following the instructions given in the above paragraph covering running in.

POWER TAKE OFF**Every 8 hours**

Grease the PTO (see fig. 22, item 1 and 2) .
Also grease the PTO every time you fit a new attachment.

**CHECKS AND ADJUSTMENTS****CLUTCH LEVER**

The clutch lever must have a free play of about 5 to 6 mm before the clutch starts to disengage. Insufficient play can cause clutch slip, while excess play can lead to failure to disengage fully. Adjust play by means of cable adjuster (fig. 23, item 1).

**DIFFERENTIAL LOCK LEVER
(Special versions)**

If differential lock lever movement proves insufficient to fully unlock the differential, adjust the cable by means of adjuster (fig. 23, item 2) to obtain correct differential operation.

BRAKE LEVERS (Special versions)

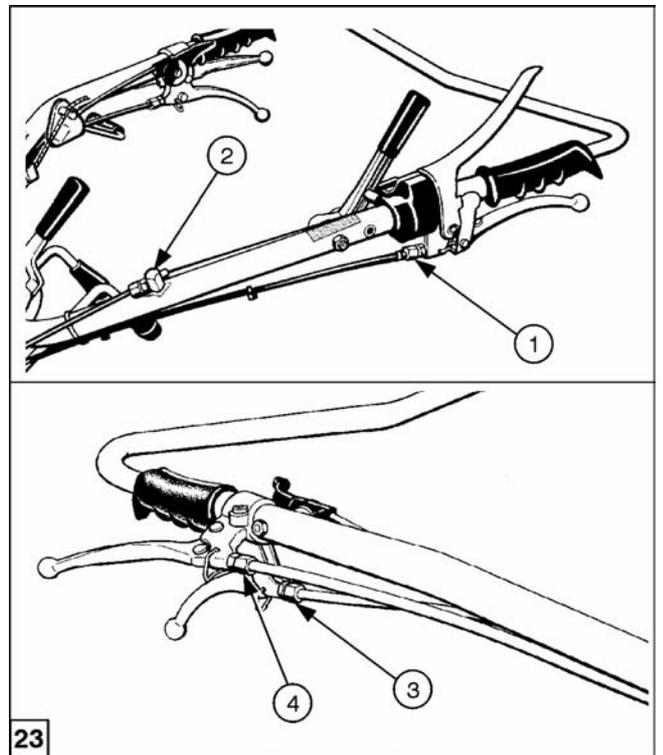
The brake levers should have a free play of about 5 to 6 mm.

As brake linings wear, play will increase.

Turn cable adjusters (fig. 23, items 3 and 4) to reduce play to the required value.

NOTE

The two brake cables should be adjusted to give simultaneous and uniform braking of both wheels.

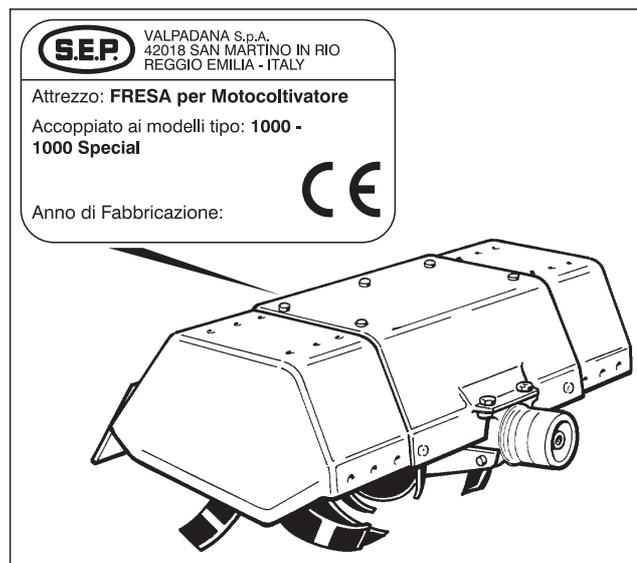


ROTARY TILLER



WARNING

- Do not use the rotary tiller without the hood.
- Do not proceed to tilling in proximity of children and/or animals.
- Keep your hands and feet clear of the tiller attachment when the motor is running. Stop the engine before touching the tiller for any reason.
- Make sure that the reverse speed safety device is installed correctly, as described on page 11.



GENERAL

The rotary tiller is used to till gardens, orchards and vineyards, to prepare seed beds and to break up agricultural ground in general. Various sizes of rotary tiller can be fitted, from 35 to 60 cm.

Rotary tillers are fitted with adjustable hoods and side guards.

A wheel is also provided for easy transport of the two-wheel tractor with the tiller attachment fitted.

ROTARY TILLER TECHNICAL SPECIFICATIONS

- Transmission: bevel gears in oil bath.
- Max. rotation speed: 290 rpm.
- Working width: 50 cm (1000 E)
- Working width: 40 to 60 cm, adjustable. (1000 - 1000 Special)
- Weight 1000 – 1000 Special:
26 kg (gasoline engine versions)
30 kg (diesel engine versions).
- Weight 1000 E:
20 kg.



WARNING

The rotary tiller is provided with a safety device, fitted to the attachment flange (fig. 1, item 1), which prevents rotary tiller installation when the machine is configured as required for the use of front-mounted attachments (pin (2) pushed in).

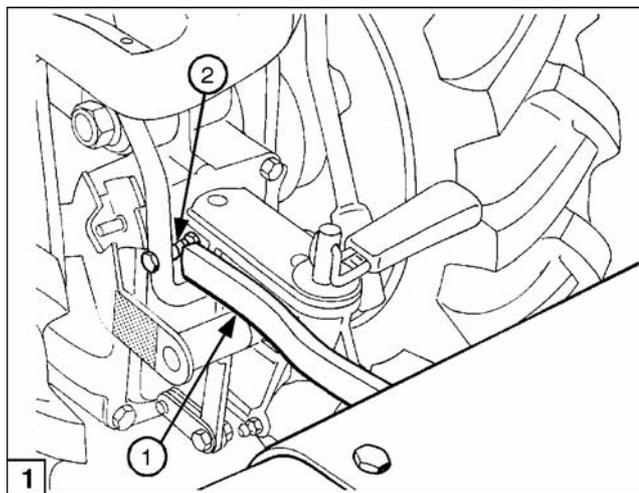
USING THE ROTARY TILLER

The rotary tiller is driven via the PTO. Proceed as follows:

- a. Pull up clutch lever and engage first speed with gear lever.
- b. Pull PTO control lever, and release it when drive is engaged.
- c. Release the clutch lever to start tiller rotation and at the same time accelerate engine speed by means of throttle.

CAUTION

Release the clutch lever gradually. It is also advisable to sink the tiller in the soil slowly.



ROTARY TILLER ADJUSTMENT



ATTENZIONE

Reversibile two wheel tractor model 1000 E (2+2) can exclusively fit the rotary tiller cm. 50 FIX. Its protecting bonnet has a fixed width of cm. 50, the rear movable side (jogger) is hinged and has a retainer to limit opening.

Tilling width adjustment

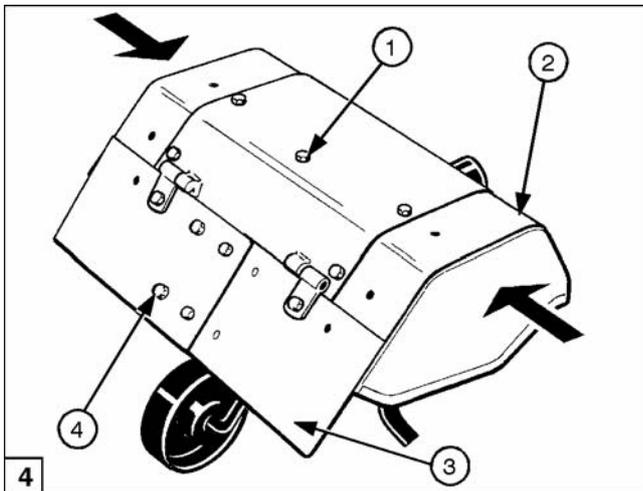
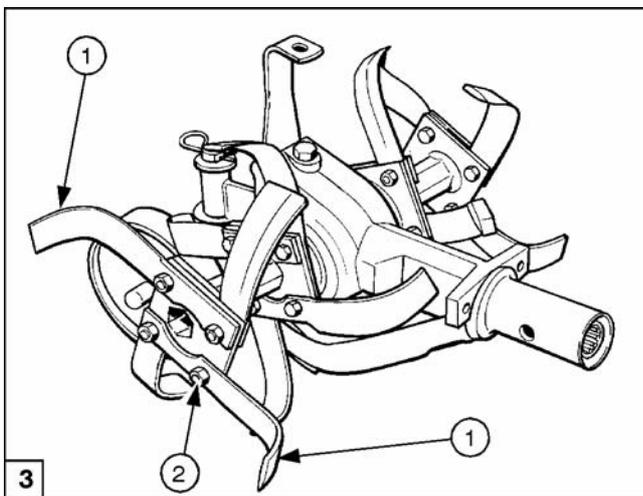
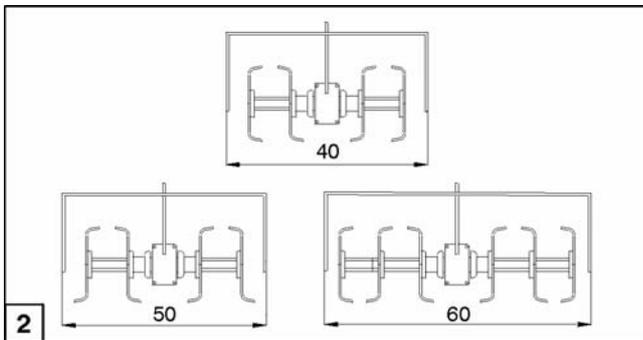
The adjustable tiller model allows you to set working widths of 40, 50, 60 cm, to suit the type of crop.

Adjustment of tilling width is obtained by reversing the position of the two pairs of outside tiller rotors of each tilling element, and by removing or adding one tiller rotor at the end of the two tillers.

Refer to figure 2 to determine the tiller rotor configuration required to obtain the desired tilling width, then proceed as follows:

To reverse the position of the outside tiller rotor pairs (fig. 3, item 1), remove the four attachment nuts (2) and invert the position of the outside pair of tiller rotors, fitting the left rotor to the right and vice-versa.

Make sure you keep the cutting edge of the rotors facing the front of the machine.



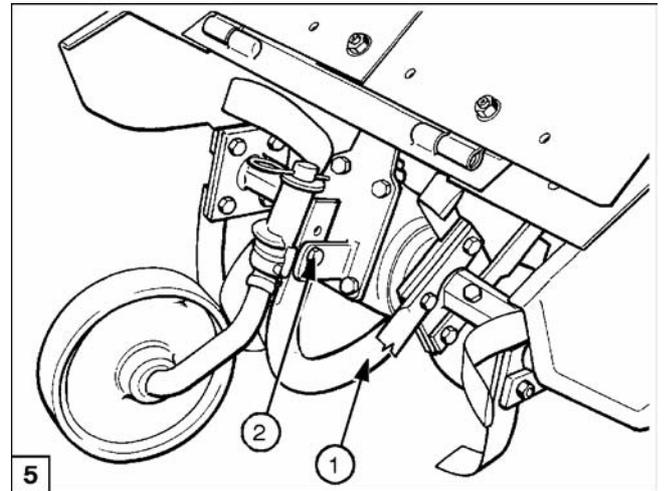
Adjustment of protection guards

- Adjust width of protection guards to suit new tilling width. To do this, remove the screws (fig. 4, item 1), and install the two side extensions (2).
- Adjust width of matching piece (3) by use of screws (4).

Tilling depth adjustment

To vary tilling depth you must adjust the height of the tine (fig. 5, item 1). Proceed as follows:

- Remove nut and bolt (2).
- Move the tine up or down until the slot on the bracket corresponds to the desired hole on the tine shank. Replace nut and bolt (2) and fully tighten.



Ground adjustment

Adjust the position of the rotary tiller as follows to ensure correct movement over different types of ground:

HARD GROUND

If the tiller tends to jump on hard ground, lower the tine to lift the rotary tiller.

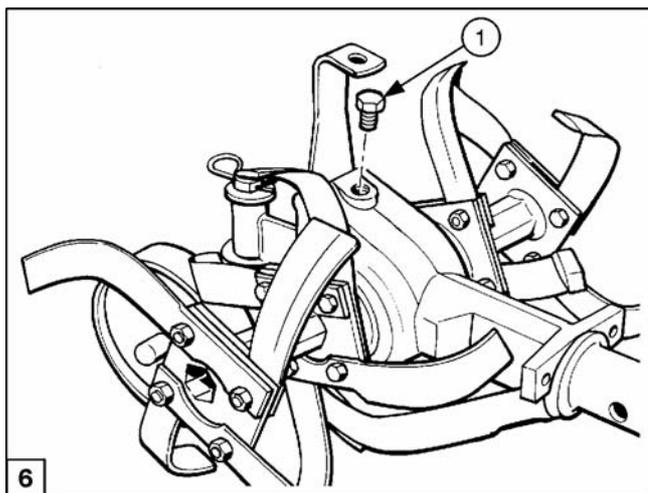
SOFT GROUND

If the tiller tends to sink in on soft ground, lower the tine to move the center of gravity over the machine wheels.

ROTARY TILLER MAINTENANCE

After the first 50 hours (running in)

- Check that all nuts and bolts are secure. Tighten if necessary.
- Change the oil in the tiller drive unit as follows. Remove plug (fig. 6, item 1) and turn the attachment upside down to drain out the exhausted oil. Return the attachment to the upright position, and add 0.3 l of the same oil used for the gearbox.

**Every 300 hours**

Change the tiller drive unit oil as instructed above.

CUTTER BAR MOWER



WARNING

- When you transport your machine, and when you finish work, always fit the knife guard over the cutter bar.
- Keep your hands and feet clear of the cutter bar when in motion.
- Do not operate the motor mower in proximity of children and/or animals.
- Stop the engine before cleaning the attachment.
- Stop the engine before adjusting the knife wear plate.
- Take particular care on slopes; operate only under safe and stable conditions. Do not work uphill or downhill; move across the slope instead. Take special care when turning.
- For obvious reasons, never work on slopes steeper than 30°.
- To ensure that gasoline fuelled engines are correctly lubricated, avoid working for long periods on slopes steeper than 20°.



NOISE

In order to reduce the problems deriving from the noise of the machine:

- Do not work with the engine at maximum RPM range.
- Keep the blade head and the blade holder adjusted.
- When using the machine for a long time, use ear protections.

GENERAL

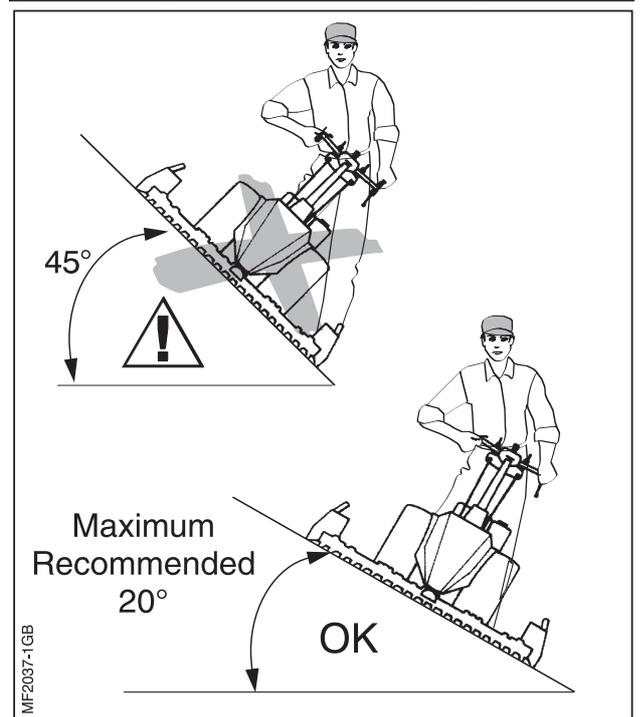
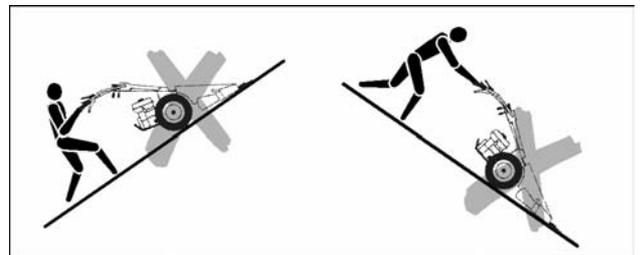
The two-wheel tractor can easily be converted into a motor mower. Simply adapt the machine for reverse gear operation and fit the cutter bar mower attachment to the PTO.

Cutter bar mowers are available in various models and sizes and are ideal for mowing lawns of all types.

Light weight and maneuverability make this attachment ideal for mowing large areas.

Sickle bar mowers are available in 95 - 110 - 127 cm sizes, while E.S.M. bar mowers are available in 97 - 117 cm sizes, and Special type in 115 cm size.

Sickle bar mowers are fitted with adjustable shoes and swath bars to facilitate grass collection.



CUTTER BAR MOWER TECHNICAL SPECIFICATIONS

Sickle bar mowers

- Drive: mechanical con-rod.
- Cutting width: 95 cm, 110 cm, 127 cm.

E.S.M. mowers

- Drive: mechanical con-rod.
- Cutting width: 97 cm, 117 cm.

Special type bar mowers

- Drive: mechanical con-rod.
- Cutting width: 115 cm.

OPERATING CUTTER BAR MOWERS

The cutter bar attachment is driven via the PTO.

Operate the PTO control lever as follows:

- a. Turn throttle control lever to idle position.
- b. Pull up clutch lever and engage first speed with gear lever.
- c. Pull PTO control lever. Release the lever when drive is engaged.
- d. Release the clutch slowly to start mowing.

CAUTION

Release the clutch gradually; do not release it when load is applied to the mower.

CUTTER BAR MOWER ADJUSTMENT

The cutter bar mower requires a number of adjustments. The wear plate must be adjusted periodically to ensure efficient cutting.

The shoes can be adjusted to give the required cutting height. The knife mechanism can also be adjusted to minimize vibration and noise.

Wear plate adjustment

At regular intervals check the play between the wear plate and the cutting knife.

Proceed as follows to reduce the gap if necessary.

SICKLE BAR MOWERS (fig. 1)

- a. Loosen the two screws (1) and (2) that secure each of the four wear plates (3).
- b. Loosen lock nut (5) and turn wear plate adjuster screw (4) to obtain correct sliding movement of the knife.
- c. Tighten again the securing nut (5) and the screws (1) and (2).

E.S.M. MOWERS Type COMUNAL (fig. 2)

- a. Loosen the two nuts (1) securing each of the four wear plates.

- b. Turn adjuster nut (2) of each wear plate to obtain correct knife movement.

- c. Tighten again the two securing nuts (1).

MOWING BAR E.S.M. type S

NOTE

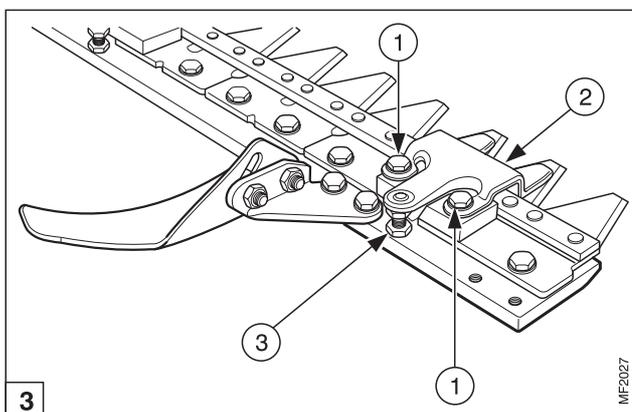
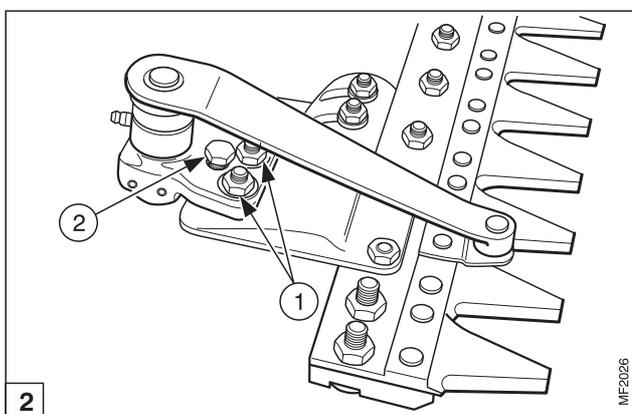
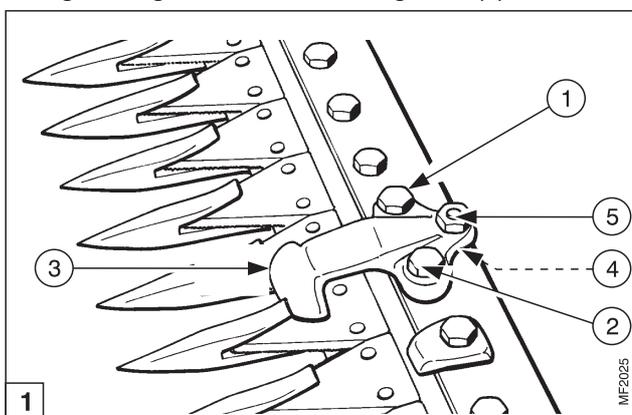
The mowing bar type E.S.M. type S does not require any special adjustment as it is self-adjusting.

SPECIAL TYPE BAR MOWERS (fig. 3)

- a. Loosen the two nuts (1) securing each of the four wear plates (2).

- b. Turn adjuster nut (3) of each wear plate to obtain correct knife movement.

- c. Tighten again the two securing nuts (1).

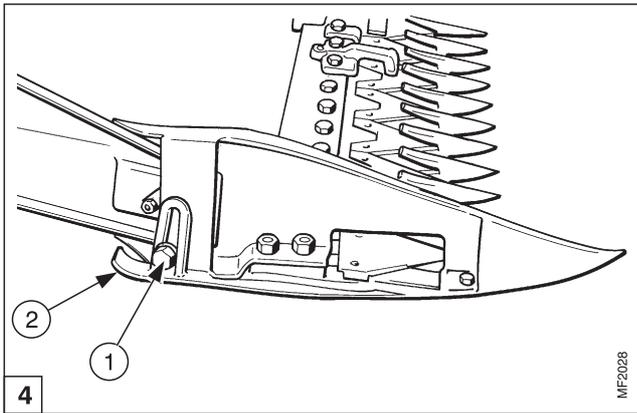


Cutting height adjustment

Proceed as follows to adjust cutting height.

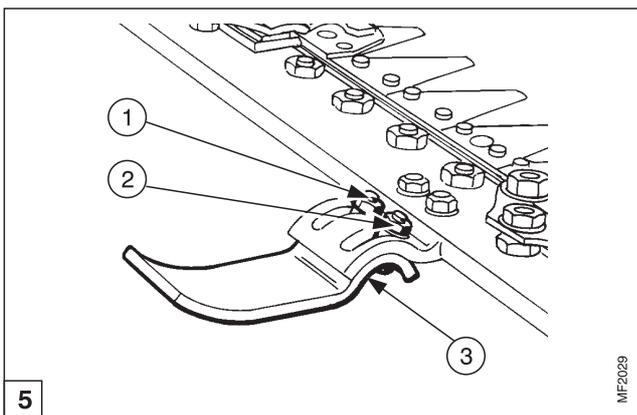
SICKLE BAR MOWERS WITH MIDDLE CUT FINGERS AND ADJUSTABLE SHOES (fig. 4)

- a. Loosen the screw (1) that fastens each skid (2).
- b. Adjust the skids (2) as necessary to set the required cutting height.
- c. Tighten again the screw (1) fastening each skid.



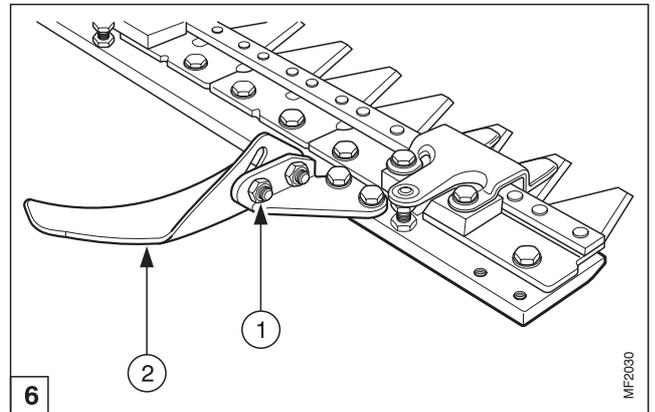
SICKLE BAR MOWERS: E.S.M and MIDDLE CUT FINGERS WITHOUT SHOES (fig. 5)

- a. Loosen the two nuts (1) and (2) that secure each of the two support slides
- b. Regulate the two support slides (3) until the blade is at the desired height
- c. Tighten the nuts (1) and (2) again on the two support slides



SICKLE BAR MOWERS SPECIAL type (fig. 6)

- a. Loosen the nut (1) that secures each of the two support slides (2)
- b. Regulate the two support slides (2) until the blade is at the desired height
- a. Tighten the nut (1) again on the two support slides

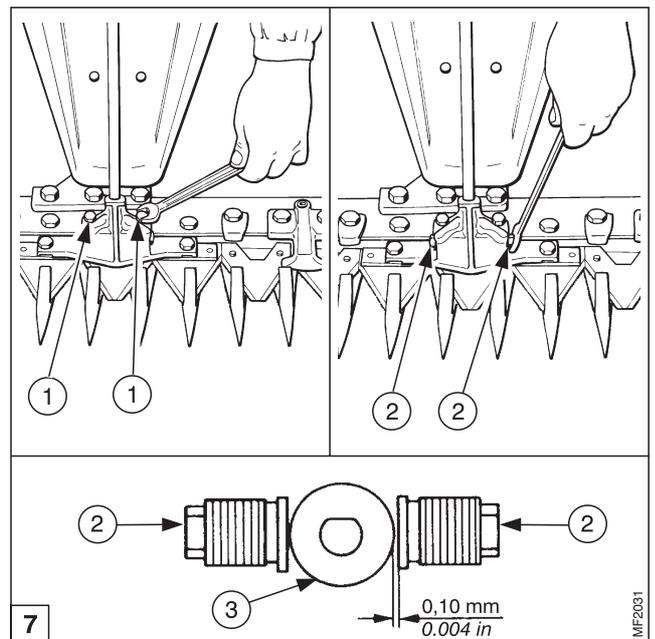


Knife mechanism adjustment (rocker arm and oil bath movements)

At regular intervals check the play between the knife and the roller.

If play becomes excessive, adjust as follows (see fig. 7):

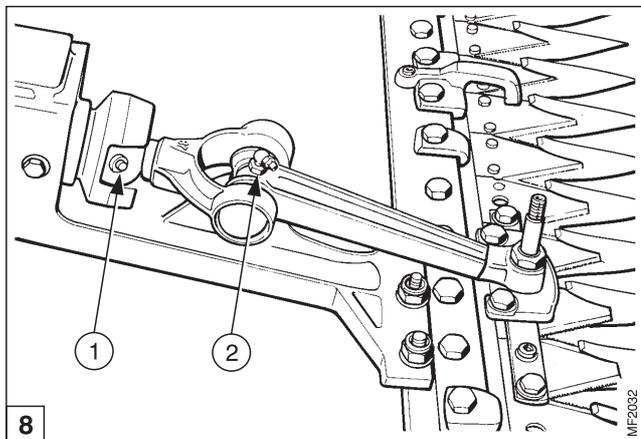
- a. Loosen bolts (1).
- b. Turn adjuster screws (2) until play between roller (3) and push-rod is as required.
- c. Tighten bolts (1) again.



CUTTER BAR MOWER MAINTENANCE

Lubrication

After the first 5 hours of work, and subsequently after every 10 hours, grease the mower mechanism at point (1) and (2) as shown in fig. 8.





GB

EC Certificate of Conformity

according to ECC 89/392 Directives and successive modifications

VALPADANA S.p.A.
42018 SAN MARTINO IN RIO (RE) ITALY

Declare on their own responsibility, that the machine

MOTOCOLTIVATORE
with rotary tiller and/or sickle bar mower

Brand: **S.E.P.**

Type: **1000 E (2+2) - 1000 (2+2) - 1000 Diesel (2+2)**

from machine serial n° **BH25Z47661** ◇

from machine chassis n° **AG03838***

1000 Special (3+2) - 1000 Diesel Special (3+2)

from machine serial n° **BH50Z49581** ◇

From machine chassis n° **AD01852***

(◇ see EC plate)

(* see punching)

Conforms to the basic Safety and Health Requirements as stated
in **ECC 89/392 Directives**, and successive modifications.

In order to verify the correct application of the aforementioned
Directives, the following Conforming Standards were consulted:

pr EN 709, pr EN 12733

San Martino in Rio, 01.12.2007

VALPADANA
Il Direttore Generale
Andrea Lusvardi



VALPADANA S.p.A.

Società unipersonale appartenete al Gruppo Industriale Argo S.p.A.

42018 SAN MARTINO IN RIO (RE) ITALY

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Gruppo Industriale ARGO