

INSTRUCTION MANUAL

RV50

Forward Plate



ENGINE:

Honda GX160

PART NUMBER :

4812334799



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Foreword

These operating and maintenance instructions are part of your machine.

They provide necessary information to operate your machine safely and properly.

They also contain information on required operating, maintenance and repair measures.

Carefully read the operating and maintenance instructions before taking your machine into operation.

Please observe the safety regulations strictly and follow all instructions to ensure safe operation.

The description of the individual operating steps including the notes on safety to be followed can be found in chapter "Operation"

Ensure the compliance with the specified operating, maintenance and repair measures to maintain the functional safety of your machine.

Do not service or repair your machine by yourself to avoid harming persons or damaging material or environment.

The machine must only be serviced and repaired by qualified and authorised personnel.

Contact our customer service to carry out the required maintenance work or necessary repairs.

In case of operating errors, inadequate maintenance or the use of unapproved fuels and lubricants all warranty claims will become null and void.

For your own personal safety you should only use original parts from REDLINE.

For your machine we offer service kits to make maintenance easier.

In the course of technical development we reserve the right for technical modifications without prior notification.

These operating and maintenance instructions are also available in other languages.

Apart from that, you can also order the spare parts catalogue against the serial number of your machine.

The above notes do not constitute an extension of the warranty and liability conditions specified in the general sales and delivery conditions of REDLINE Pune.

We wish you successful work with your REDLINE machine.

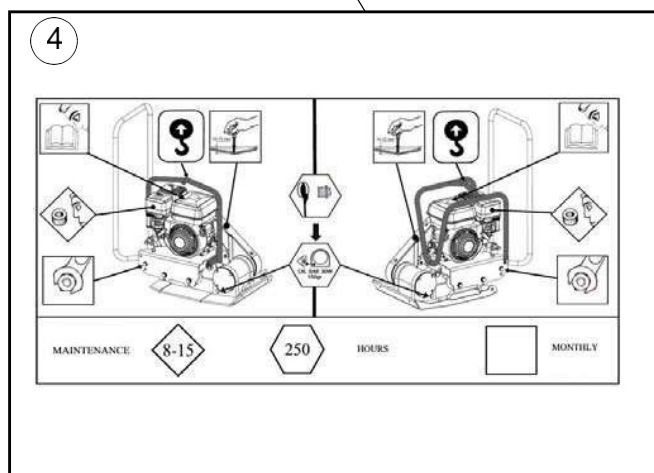
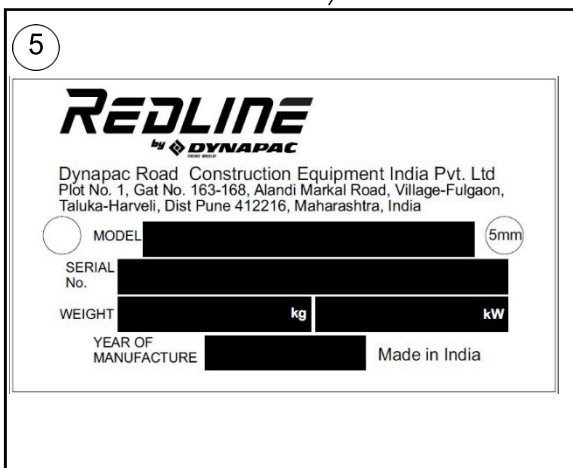
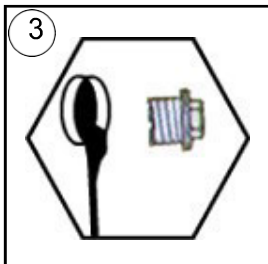
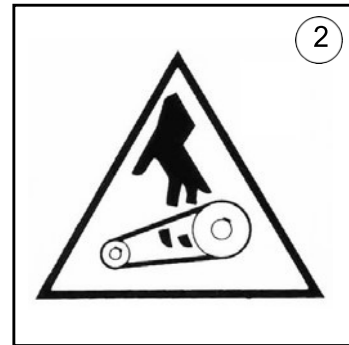
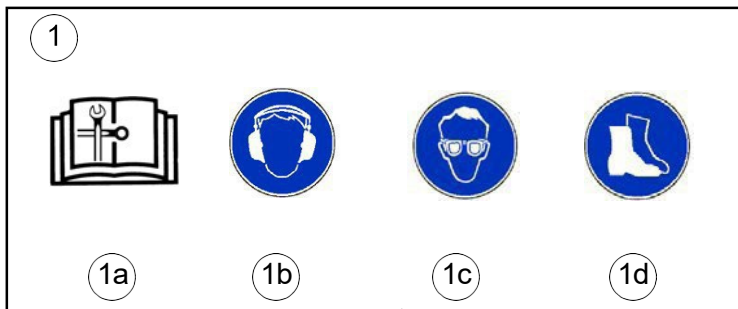
Dynapac Road Construction Equipment (India) Pvt. Ltd.
Plot no 01, Gat no. 163-168, Alandi Markal road,
Village: Fulgaon, Taluka: Haveli, Dist: Pune- 412216, India
dynapac-redline.com

Safety Instruction





- Laws governing safety aspects on machinery may vary between countries, but the following guides will be useful to all operators:
- Before starting, carefully read the machine maintenance and operating manual and follow all the instructions.
- Use unleaded fuel only, for gasoline engines.
- Never operate the machine without the belt guard.
- Keep hand and feet away from moving parts while the machine is running.
- Do not operate the machine in closed places and inflammable environment.
- Operating the machine is advisable only with good lighting conditions.
- Hearing protection must be worn.
- Foot protection must be worn.
- Do not touch hot surfaces.





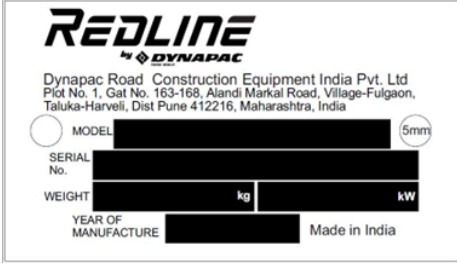
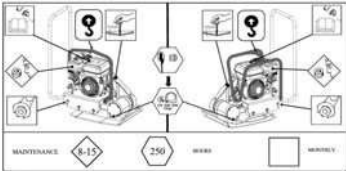
Safety Information Label Locations



Operation Manual - Safety Information Label Locations

No.	Pictogram	Meaning
1a		Read and understand the supplied operator's manual before operating this machine.
1b		Wear ear protection
1c		Wear eye protection
1d		Wear boots

Operation Manual - Safety Information Label Locations

No.	Pictogram	Meaning
2		<p>WARNING! Hand injure if caught in moving belt. Always replace belt guard.</p>
3		<p>Check exciter housing oil level SAE 30W</p>
5		<p>A nameplate listing the model number, serial number, is attached to each unit. please record the information found on this plate so it will be available should the nameplate become lost or damaged.</p> <p>When ordering parts or requesting service information, you will always be asked to specify the model, item number of the unit.</p>
7		<p>Maintenance chart</p>

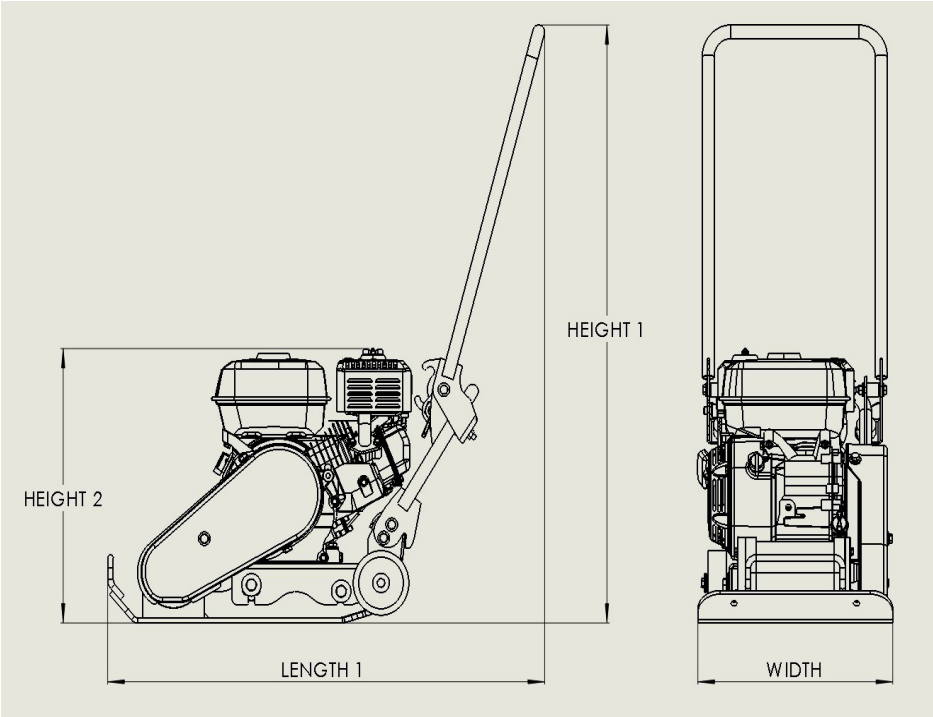
Technical Specifications

Model's cat. no	RV 50 Honda Gasoline M10560
Weight	
Net Weight kg.	50
Operating Weight kg.	53
Compaction Data	
Vibr. Frequency Hz	100
Centrifugal Force kN	10.79
Compaction Area m ² /hour	510
Operation Data	
Max. Forward speed m/min	24
Capacities	
Oil for exciter housing liters SAE 30	
Water tank capacity liters	11
Drive Motor	
Model	Honda GX160 Recoil start
Output HP	5.5
Engine speed rpm	3600
Fuel tank - liters	3.6
Engine oil - liters SAE 15W/40	0.6
Noise And Vibrations	
Sound power level according to ISO 5349 (*)	
Measured sound power level LwA=dB(A)	95
Vibration values a=m/s ²	The hand - arm vibration values according to ISO 5349
	2.4

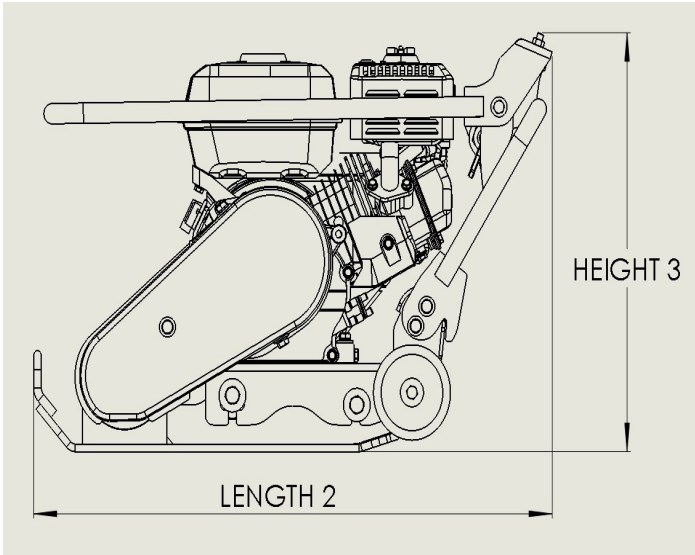
(*) The above noise level and vibration values were determined at normal speed of the engine. During operation, these values may differ because of the actual operational conditions.

Dimension

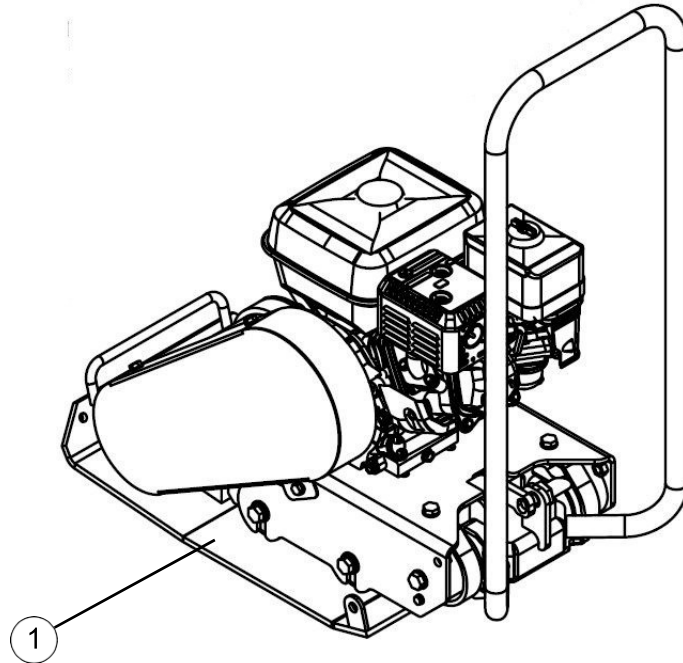
Handle in the working position



Handle in the folding position



Optional Extra

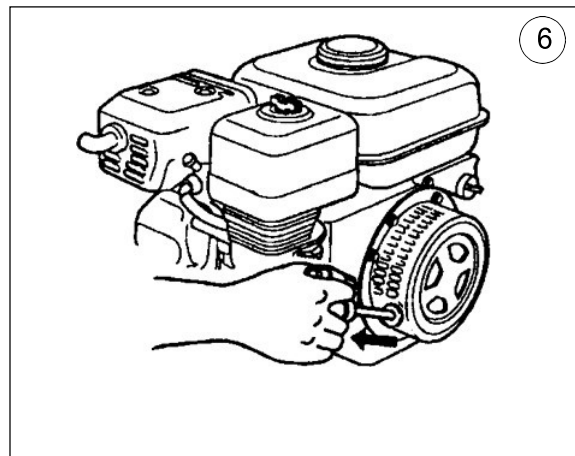
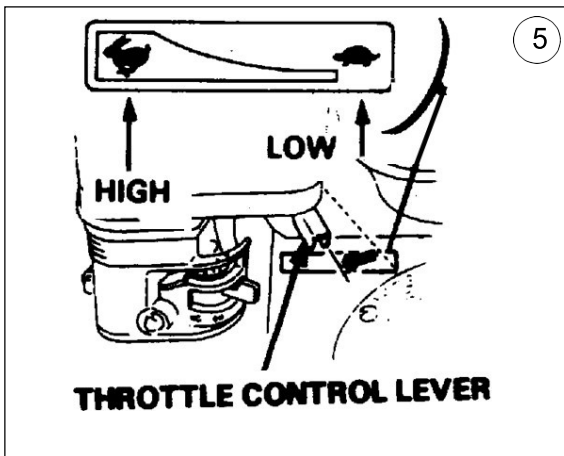
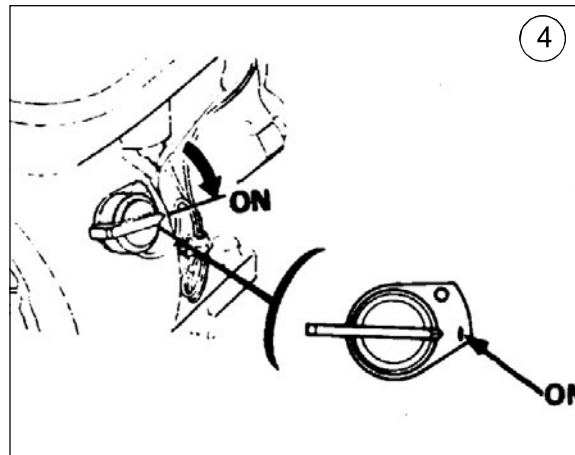
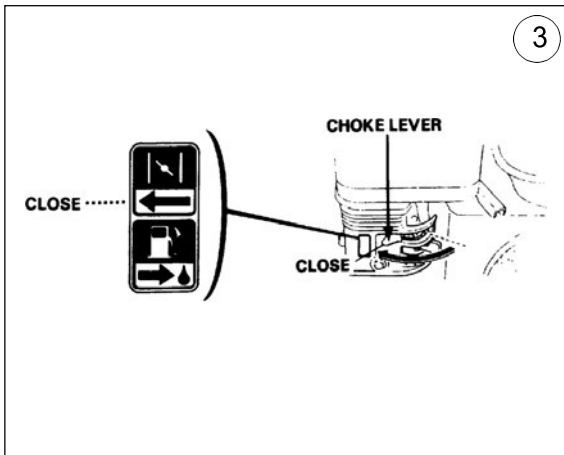
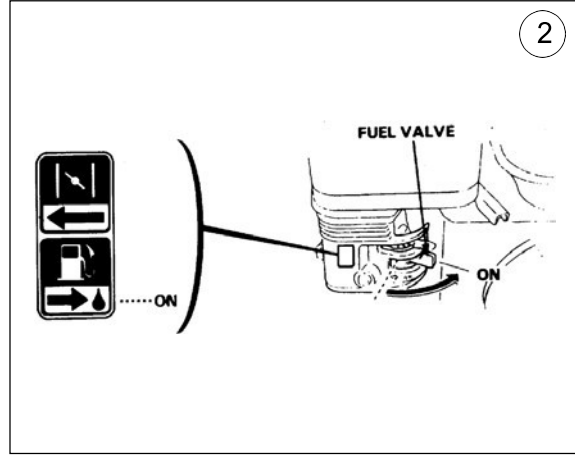
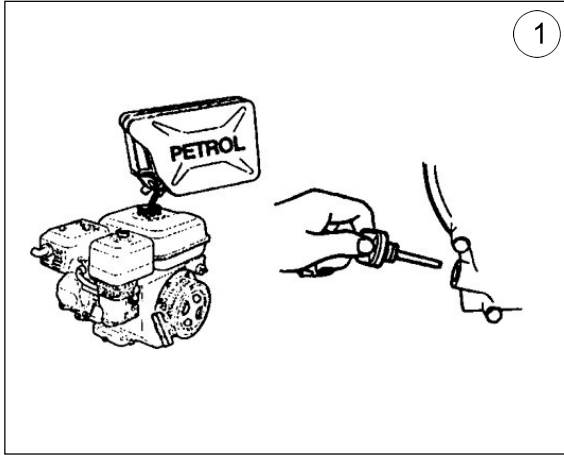


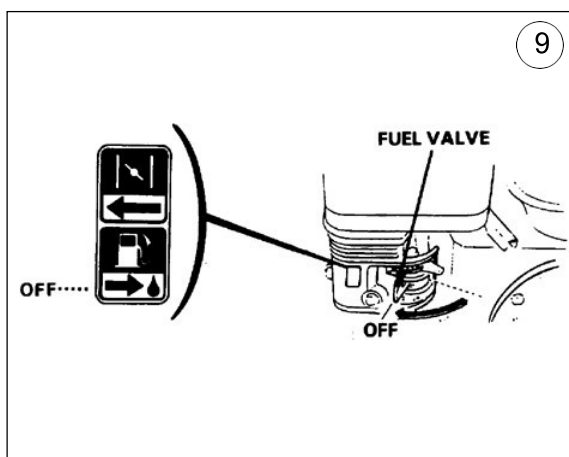
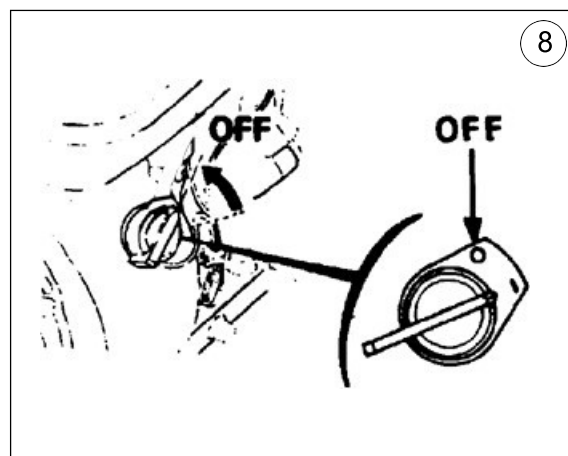
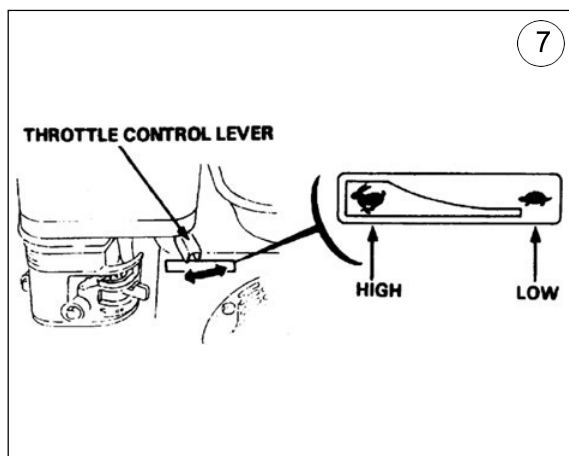
NO.	DESCRIPTION	PART NO.	QTY.
1	Vulcalon plate		1

MODEL		RV50	HONDA GASOLINE
Width	mm		350
Length 1	mm		760
Length 2	mm		625
Height 1	mm		950
Height 2	mm		440
Height 3	mm		475
Weight	kg.		50

Operating Instructions - Quick Guide

Always read the full instructions in operating manual before first use.





Transport

1 Transport to work site

- To avoid burns or fire hazards, let engine cool before transporting machine or storing indoors.
- Turn fuel valve to the off position and keep the engine level to prevent fuel from spilling.
- Tie the machine to the vehicle to prevent sliding or tipping over.

2 Instruction for lifting machine see picture 11 in [page 14](#)

- Never walk or stand under a machine being lifted.
- Use only the frame lifting hook (1) for lifting the machine.
- Use only tested and authorized lifting equipment. Before lifting check that vibration damper and protecting frame are correctly attached and not damaged.

3 Operation

3.1 Engine check before starting

1. Fill fuel tank.
2. Check oil level in engine crankcase and top up necessary type of oil according to manufacturer's instructions.

3.2 Starting the engine - see pictures 1 - 6 in [page 13](#)

3.3 Operating the machine

1. This plate compactor is designed for compacting loose, granular soils, gravel, and paving stones.
2. Compactors equipped with water tanks are designed for compacting asphalt.
3. Operate the compactor only at full throttle.
4. Let the compactor progress at its normal speed while guiding it in a straight line.
5. Three or four passes depending on the material are normally required to achieve the best compaction.
6. The soil must be moist to achieve the best compaction.
7. It must not be too wet nor too dry so that dust is created.
8. Do not operate the compactor on hard surfaces or concrete.
9. Attach a polyurethane plate under the compactor when compacting paving stones. (Optional See Picture 9 in [page 14](#)).
10. Fill the water tank with water and the water flow valve when compacting asphalt.

3.4 Stopping the engine operator position See Pictures 7-8 in [page 14](#)

Important Advice

The manufacturer declines all responsibility for loss or damage resulting from misuse or any modification or alteration that does not conform to the manufacturer's original specifications.

At the workstation, the sound pressure level may exceed 85 db (A). In this case individual protection measures must be taken.

1 Spare parts ordering:

When ordering spare parts, please mention machine serial no., part no. and description.

2 Scrapping:

In the event of deterioration and scrapping of the machine, the following items must be disposed of in accordance with the requirements of the legislation in force.

3 Main materials:

1. Engine: Aluminum (AL), Steel (AC), Copper (CU), Polyamide (PA)
2. Machine: Steel sheet (AC)

NOTE

The instructions for use and spare parts found in this document are for information only and are not binding. As part of our product quality improvement policy, we reserve the right to make all technical modifications without prior notice.

4 Maintenance schedule:

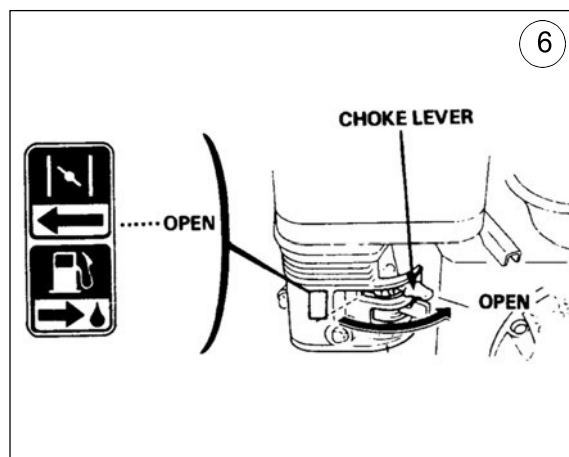
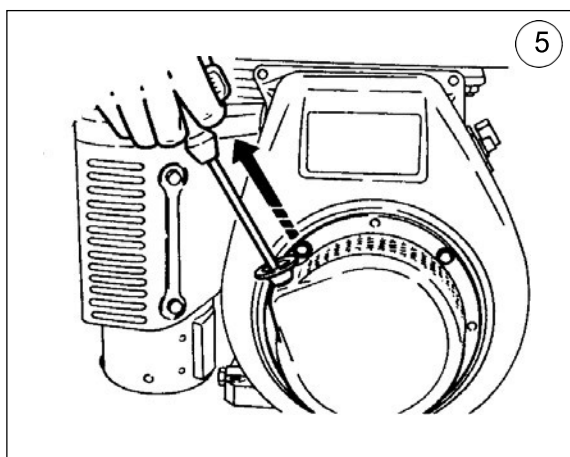
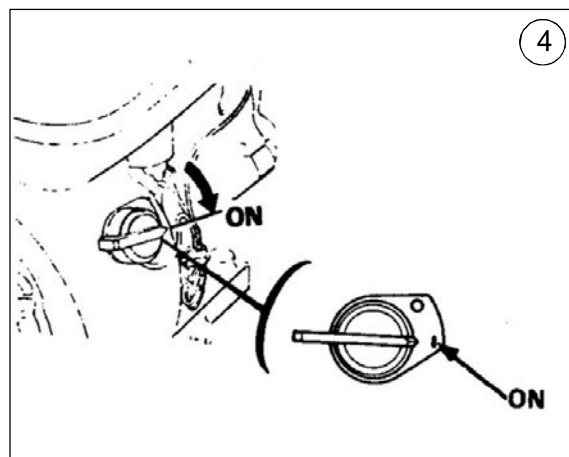
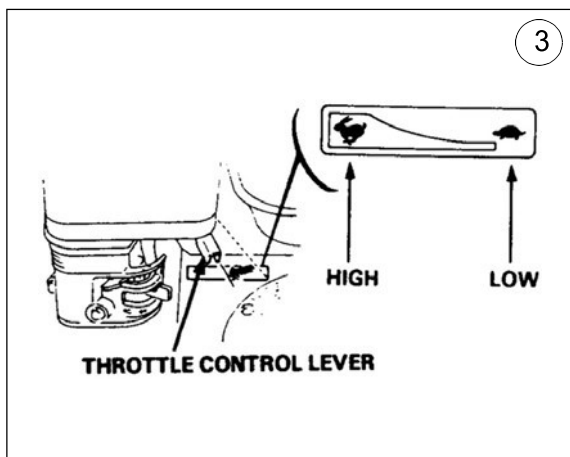
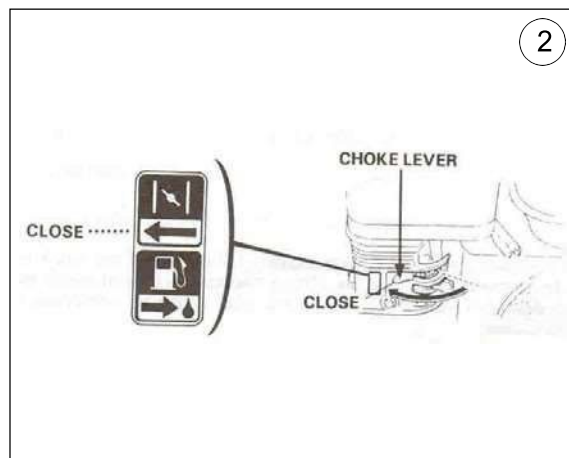
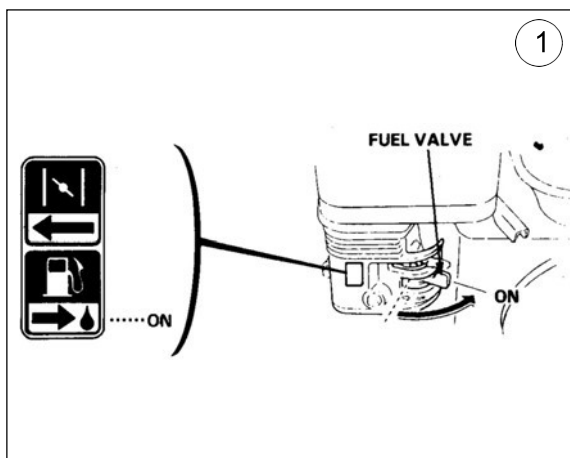
Check all external screw connections for tight fit approx. 8 hours after first operation.		
Parts	Maintenance	Maintenance interval
Air filter	Check for external damage and tight fit. Check foam and filter insert clean or replace if necessary.	Daily
Engine oil / other parts	Check oil level, top up if necessary. Remove all dirt, stones etc. from the compactor after each day of operation.	
Belt	Check tension and wear - replace if necessary.	Weekly
Engine	See engine manufacturers handbook	

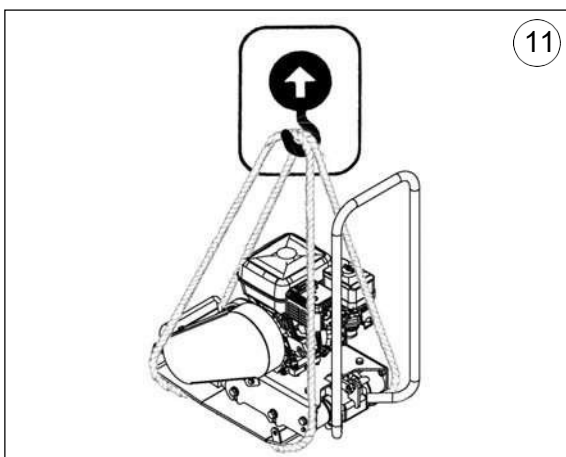
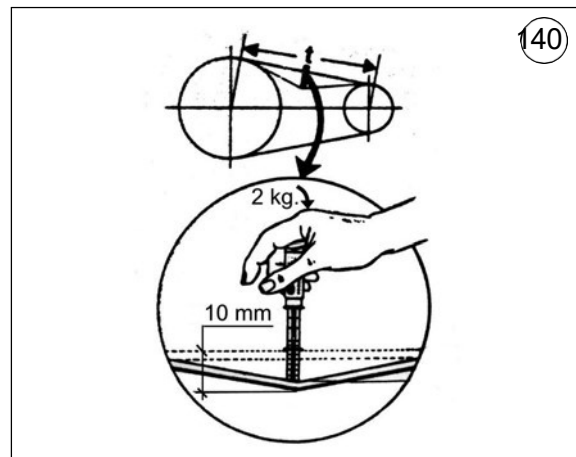
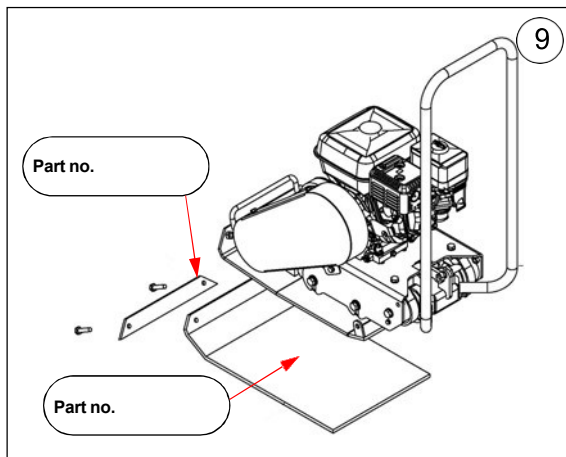
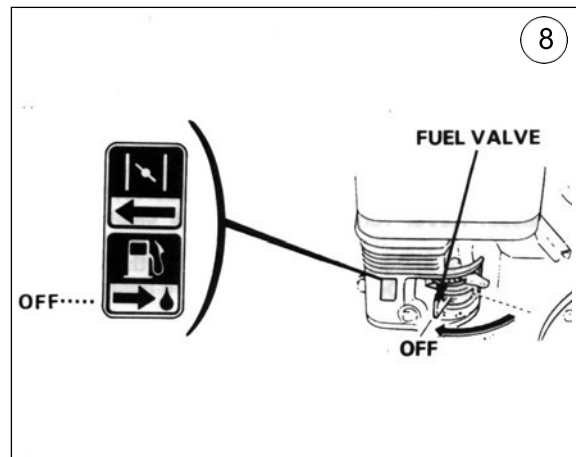
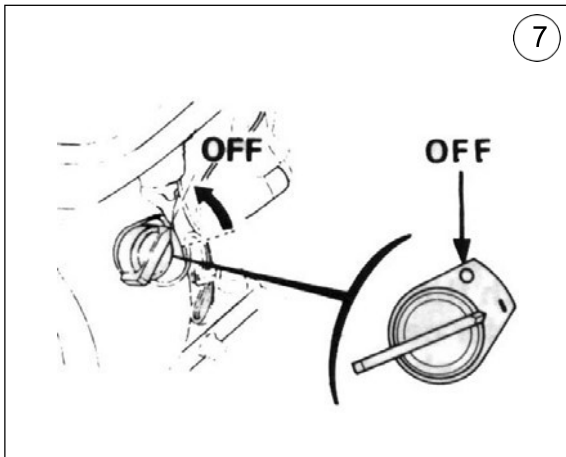
5 Maintenance

5.1 Monthly maintenance:

- Perform maintenance work on engine according to manufacturer's instructions.
- Check belt tightness and tighten if necessary.
- Belts should be move 10 -15 mm when pushed by the thumb (See picture 10 in [page 14](#)).
- Check and retighten bolts and nuts.

Honda GX160

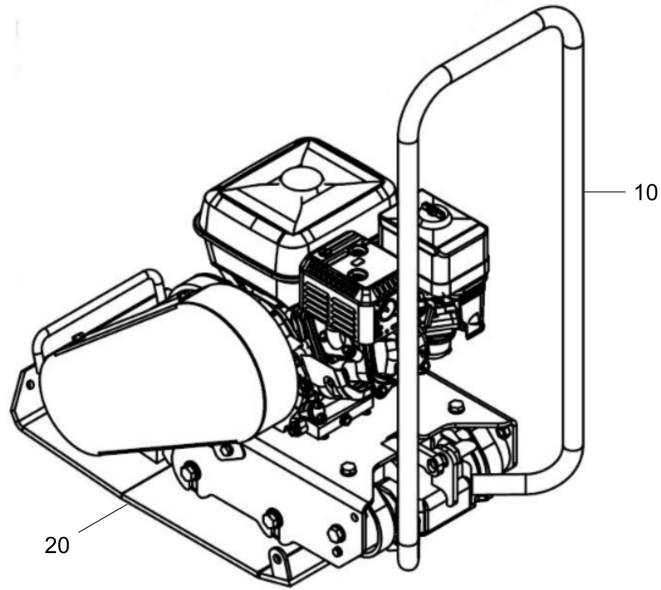




Spare parts list

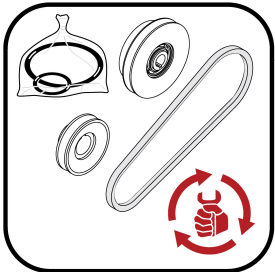
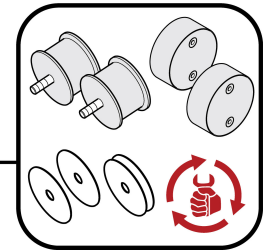
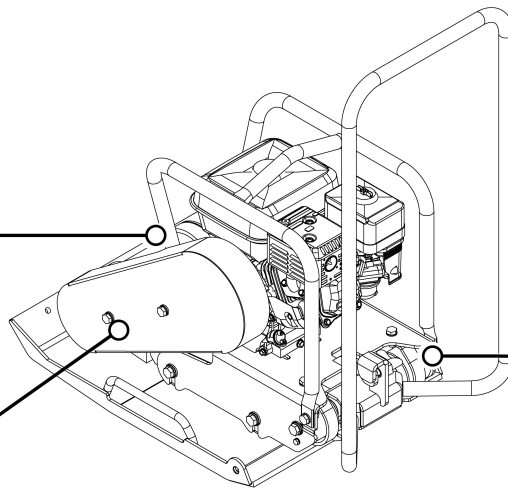
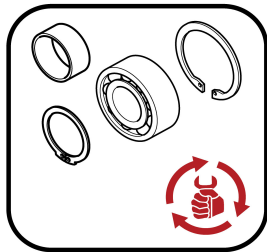
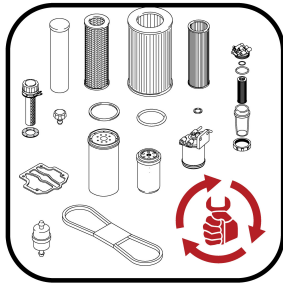
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Service, repair and wear part kits	
Kits-4812334799 Service, repair and wear part kits	2
Service, repair and wear part kits	
4812338050 Repair kit, shock-absorber	4
4812338051 Repair kit, transmission	5
4812338052 Repair kit, exciter unit	6
4812338059 Service kit	7
Refurbishing kits	
4812338053 Refurbishing kit - covering	8
Field kits	
4812338054 Comfort handle,middle	9
4812338055 Transport wheels	10
Lubricants	
Frame with engine	
Frame with engine	11
Base Plate with Exciter unit	
Plate	13

RV50



Item	Part No.	Name	Qty	L	C	SN INFO
10	PNNA	Frame with engine	1			
20	PNNA	Plate	1			

Service, repair and wear part kits Kits-4812334799 Service, repair and wear part kits

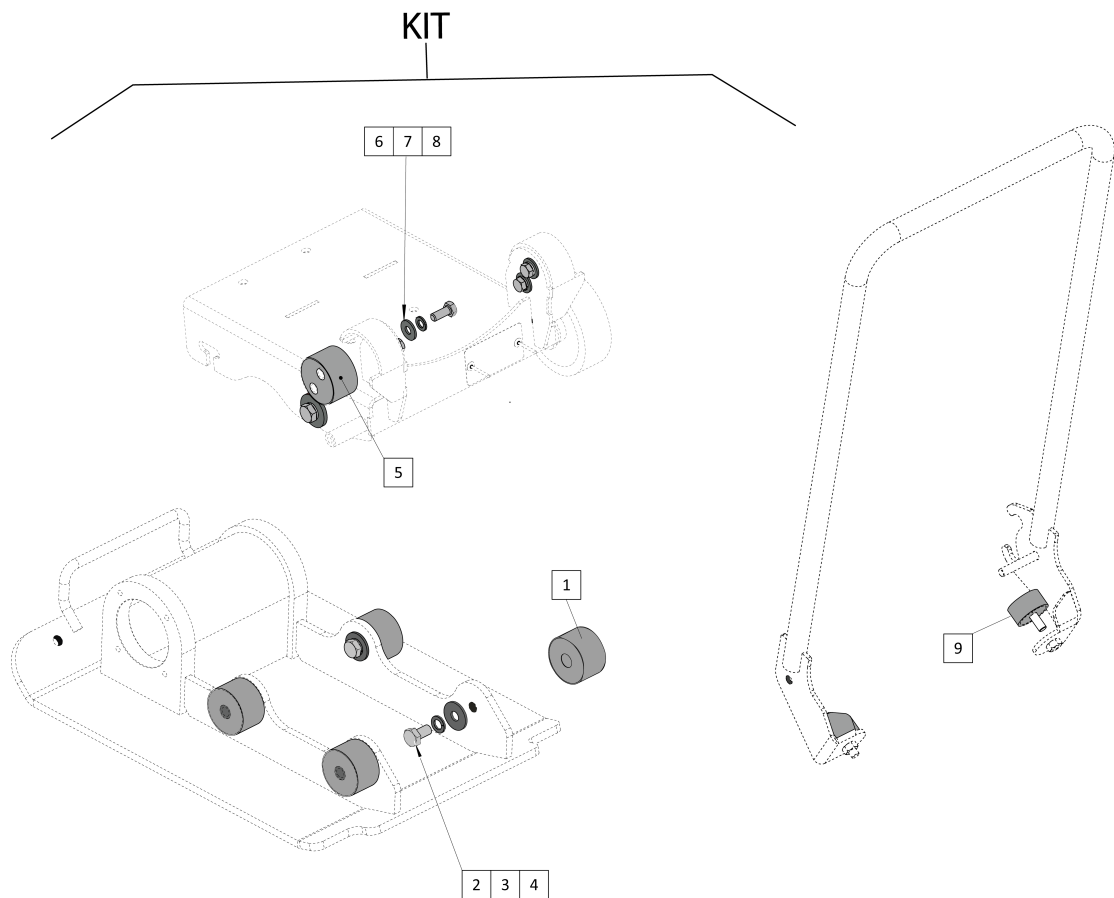


Item	Part No.	Name	Qty	L	C	SN INFO
1	Service, repair and wear part kits	Service, repair and wear part kits				
1.1	4812338050	Repair kit, shock-absorber	1			

Refer to Parts Online for the most up to date information. The printed information might be outdated.

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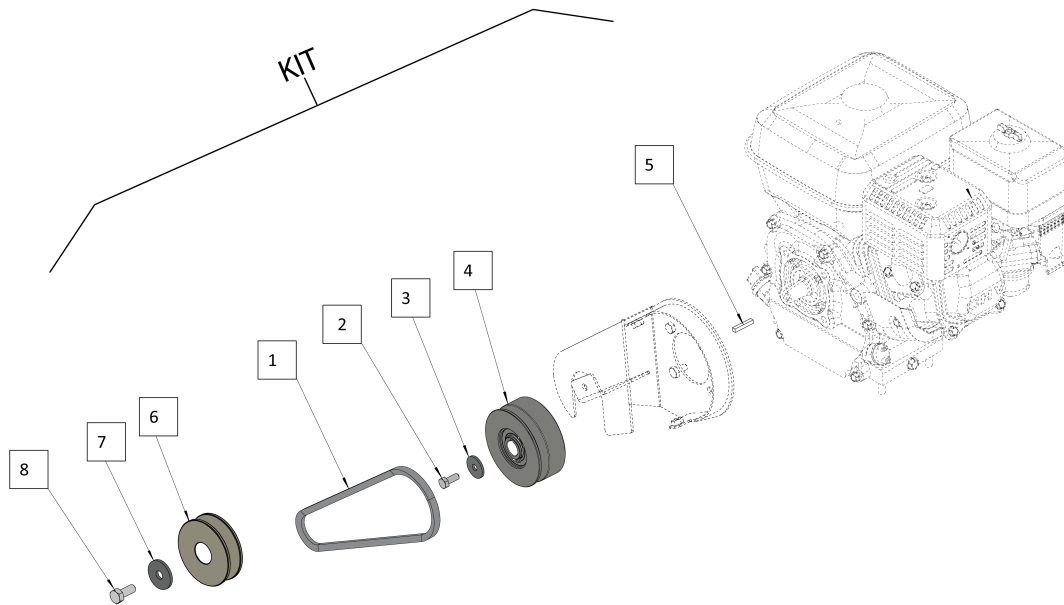
Item	Part No.	Name	Qty	L	C	SN INFO
1.2	4812338051	Repair kit, transmission	1			
1.3	4812338052	Repair kit, exciter unit	1			
1.4	4812338059	Service kit	1			
2	Refurbishing kit	Refurbishing kit				
2.1	4812338053	Refurbishing kit - covering	1			
3	Field kit	Field kit				
3.1	4812338055	Transport wheels	1			
3.2	4812338054	Comfort handle	1			
4	PNNA	Lubricants and operating substances				

Service, repair and wear part kits 4812338050 Repair kit, shock-absorber

Item	Part No.	Name	Qty	L	C	SN INFO
KIT	4812338050	Repair kit, shock-absorber	1			
1	4812336067	Shockmount	4			
2	4812086231	Hex. Head screw	4			
3	4812086225	Lock washer	4			
4	4812086226	Washer	4			
5	4812336081	Rubber Mounting	2			
6	4812336080	Washer	8			
7	4812086301	Lock washer	8			
8	4812086293	Hex. Head screw	4			
9	4812086347	Rubber buffer	2			

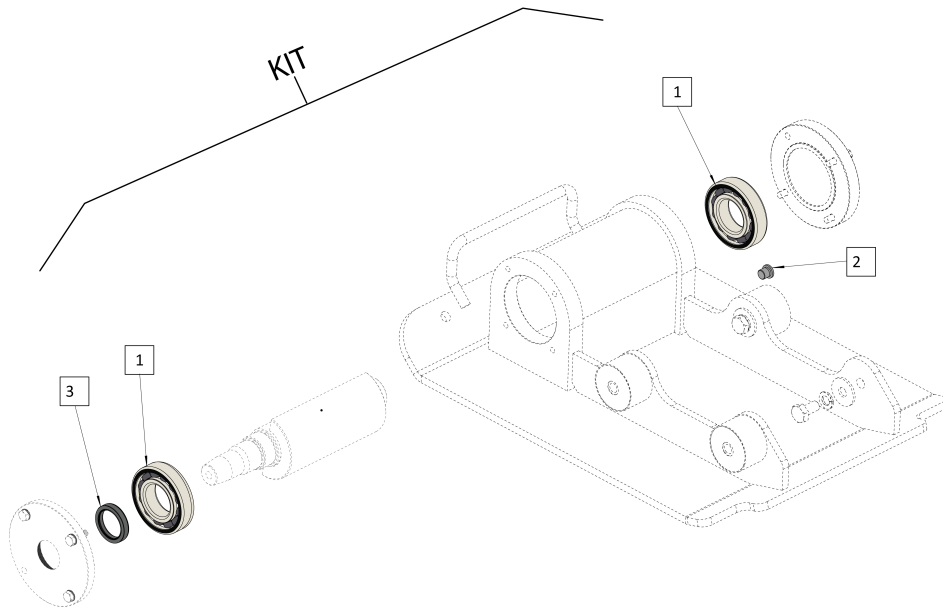
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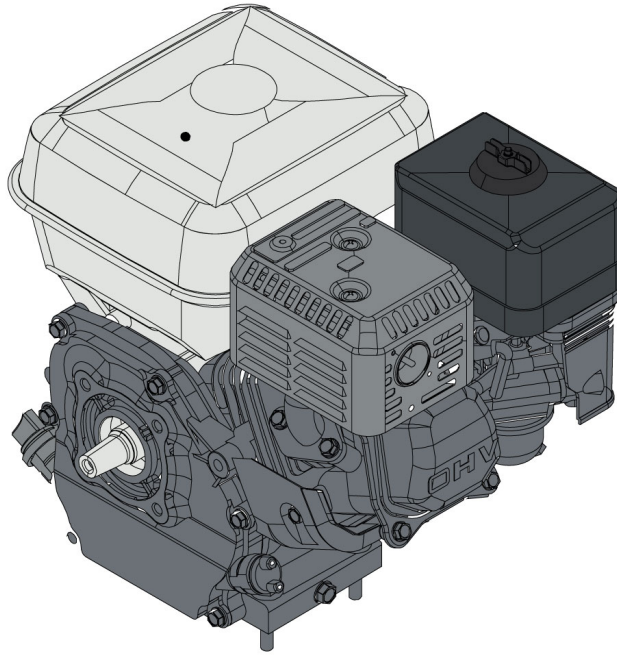
Service, repair and wear part kits 4812338051 Repair kit, transmission

Item	Part No.	Name	Qty	L	C	SN INFO
KIT	4812338051	Repair kit, transmission	1			
1	4812336094	V-Belt	1			
2	4812086293	Hex. Head screw	1			
3	4812086292	Washer	1			
4	4812336093	Centrifugal clutch pulley	1			
5	PNNA	Key	1			
6	4812336076	Pulley	1			
7	4812086292	Washer	1			
8	4812086293	Hex. Head screw	1			

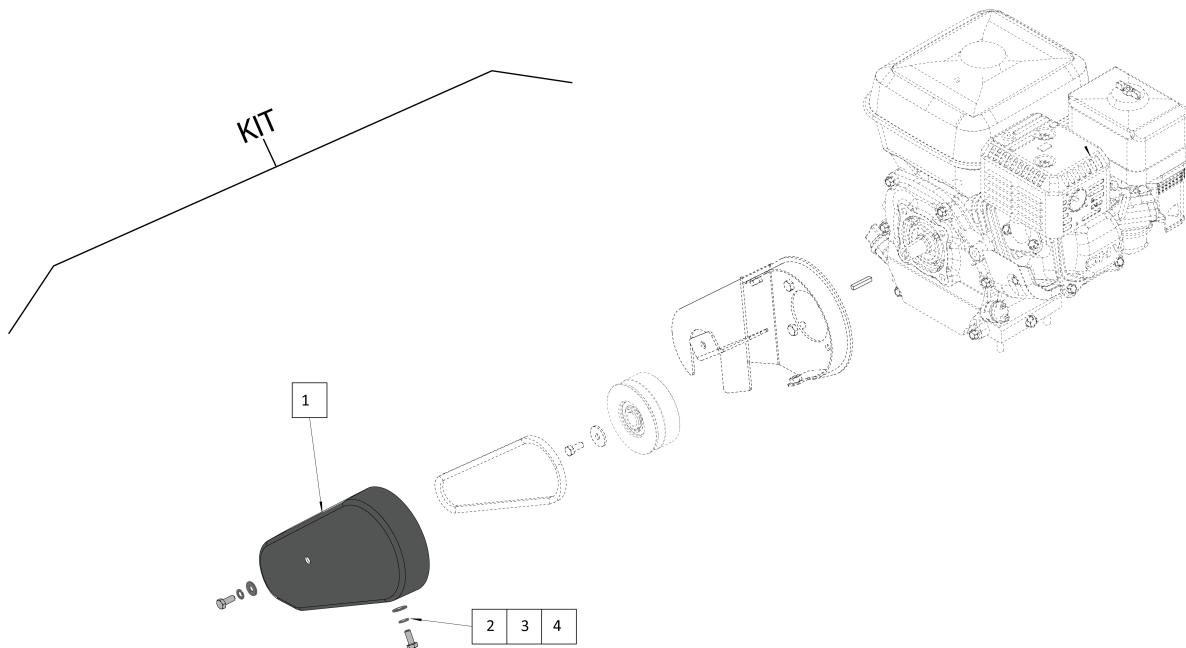
Service, repair and wear part kits 4812338052 Repair kit, exciter unit



Item	Part No.	Name	Qty	L	C	SN INFO
KIT	4812338052	Repair kit, exciter unit	1			
1	4812336070	Ball bearing	2			
2	4812336072	Oil Plug	1			
3	4812336074	Oil seal	1			

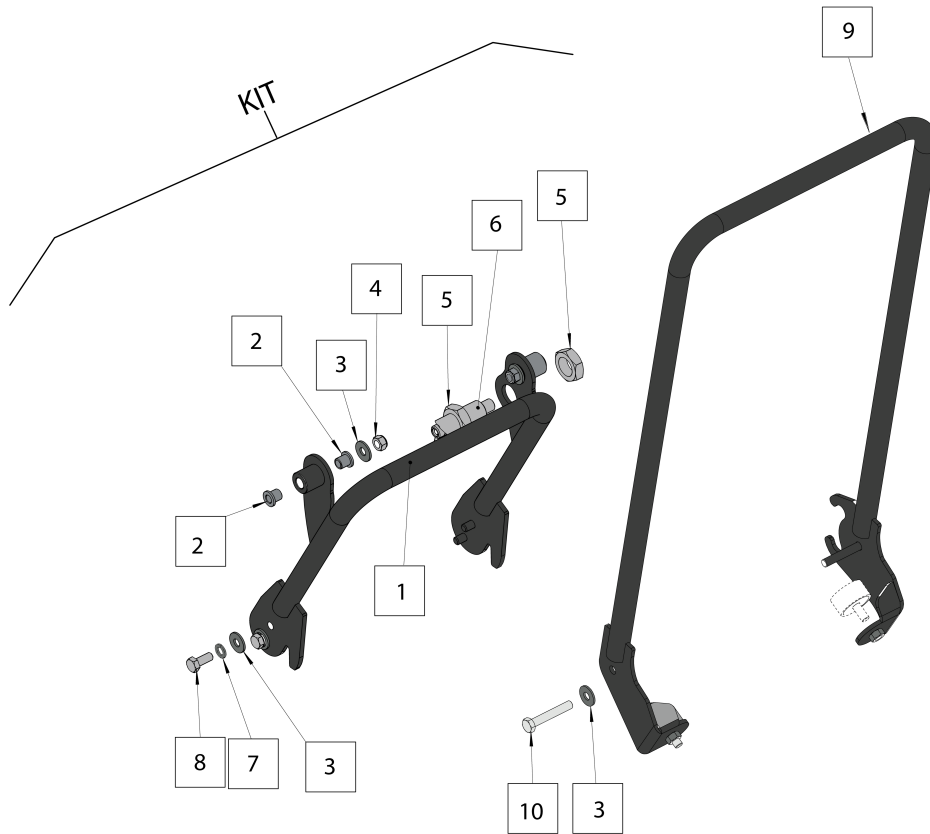
Service, repair and wear part kits 4812338059 Service kit

Item	Part No.	Name	Qty	L	C	SN INFO
KIT	4812338059	Service kit	1			
1	4812086412	Element air cleaner	1			
2	4812086311	Spark Plug	1			
3	4812338056	Fuel tube	1			
4	4812338057	Joint fuel tank	1			
5	4812086410	Oil Drain washer	1			
6	4812086411	Starter rope	1			
7	4812338058	Ring 14mm	1			

Refurbishing kits 4812338053 Refurbishing kit - covering

Item	Part No.	Name	Qty	L	C	SN INFO
KIT	4812338053	Refurbishing kit - covering	1			
1	4812336095	Plastic Belt guard	1			
2	4812336080	Washer	15			
3	4812086301	Lock washer	15			
4	4812086293	Hex. Head screw	12			

Field kits 4812338054 Comfort handle,middle

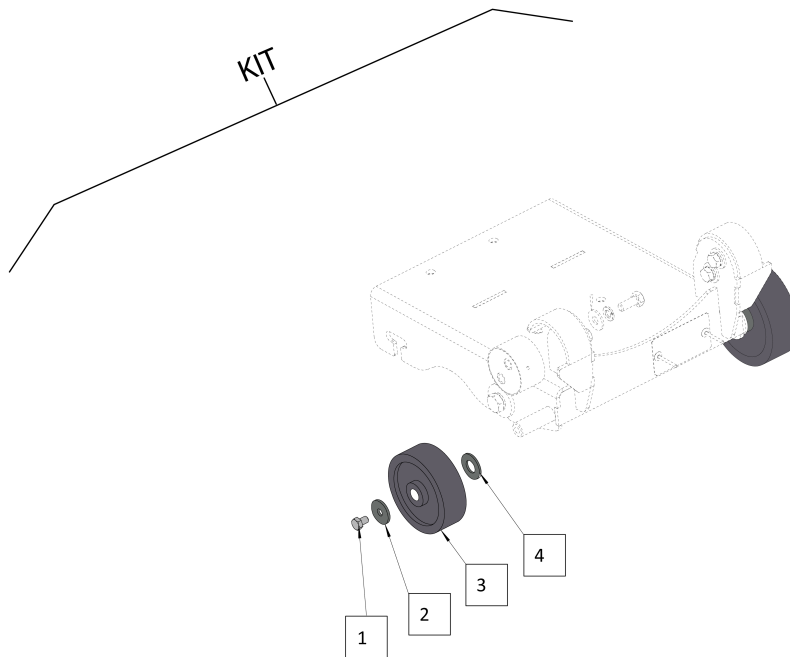


Item	Part No.	Name	Qty	L	C	SN INFO
KIT	4812338054	Comfort handle	1			
1	4812336082	Bottom Handle	1			
2	4812336083	Nylon bush	4			
3	4812336080	Washer	15			
4	4812086291	Self locking nut	2			
5	4812086237	Hex. nut	2			
6	4812086236	Locking pin with thread	1			
7	4812086301	Lock washer	15			
8	4812086293	Hex. Head screw	12			
9	4812336086	Top Handle	1			
10	4812336088	Hex. Head screw	2			

Refer to Parts Online for the most up to date information. The printed information might be outdated.

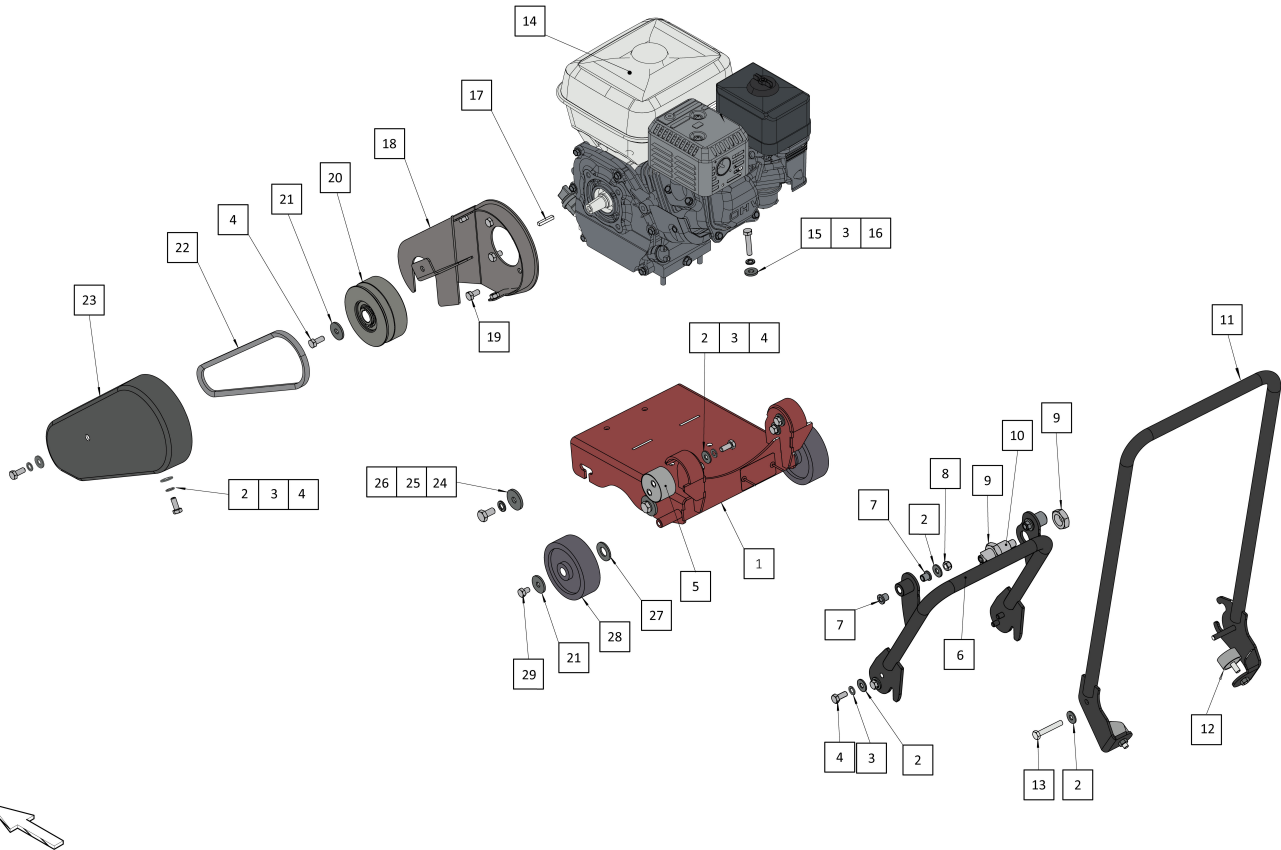
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Field kits 4812338055 Transport wheels



Item	Part No.	Name	Qty	L	C	SN INFO
KIT	4812338055	Transport wheels	1			
1	4812336097	Washer	2			
2	4812086292	Washer	3			
3	4812336098	Plastic wheel	2			
4	4812336099	Hex. Head screw	2			

Frame with engine Frame with engine



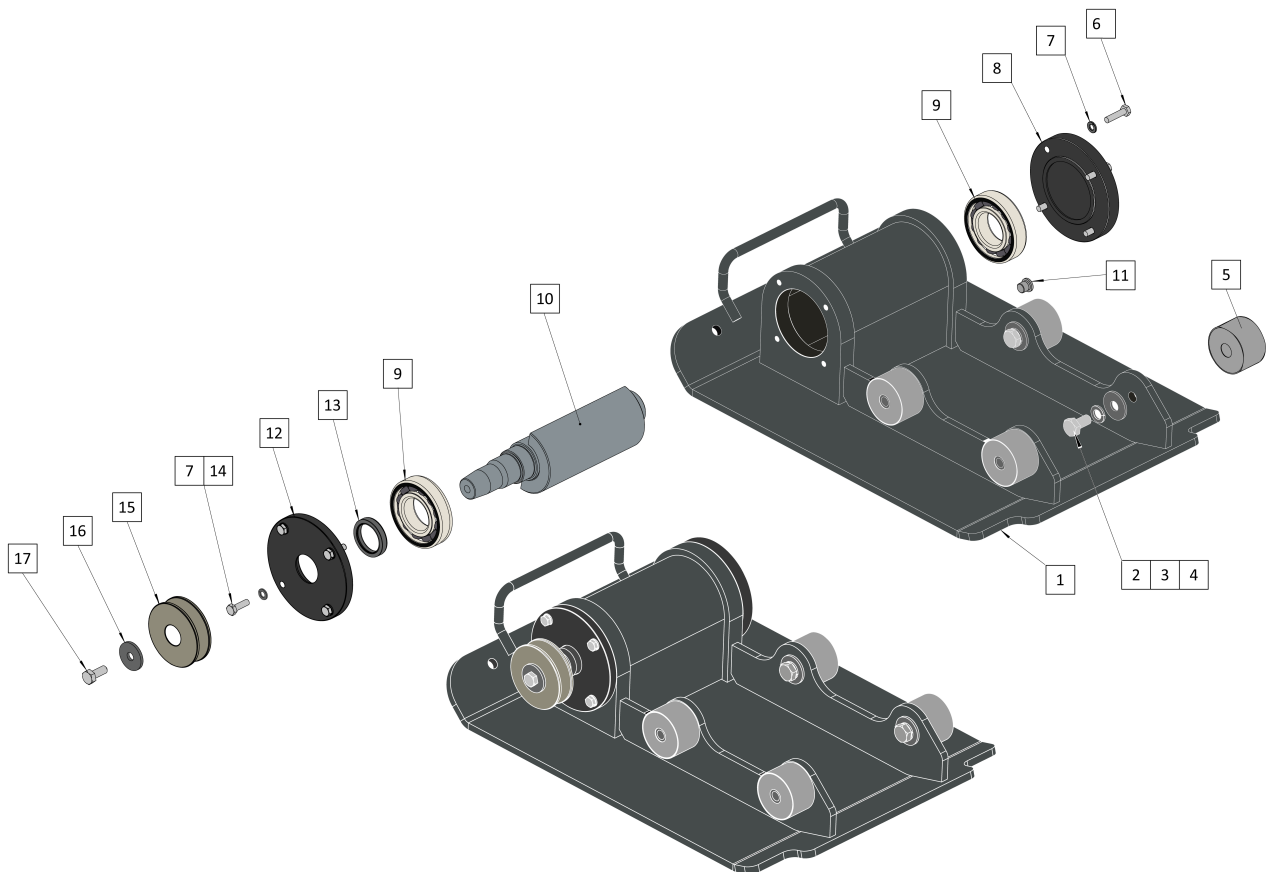
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1	4812336079	Engine box	1			
2	4812336080	Washer	15			
3	4812086301	Lock washer	15			
4	4812086293	Hex. Head screw	12			
5	4812336081	Rubber Mounting	2			
6	4812336082	Bottom Handle	1			
7	4812336083	Nylon bush	4			
8	4812086291	Self locking nut	2			
9	4812086237	Hex. nut	2			
10	4812086236	Locking pin with thread	1			
11	4812336086	Top Handle	1			
12	4812086347	Rubber buffer	2			
13	4812336088	Hex. Head screw	2			
14	4812336089	Engine	1			
15	4812086245	Plain Washer	4			
16	4812086302	Hex. Head screw	4			
17	PNNA	Key	1			
18	4812336091	Inner Belt Guard	1			

Refer to Parts Online for the most up to date information. The printed information might be outdated.

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Item	Part No.	Name	Qty	L	C	SN INFO
19	4812336092	Hex. Head screw	4			
20	4812336093	Centrifugal clutch pulley	1			
21	4812086292	Washer	3			
22	4812336094	V-Belt	1			
23	4812336095	Plastic Belt guard	1			
24	4812336096	Washer	4			
25	4812086225	Lock washer	4			
26	4812086231	Hex. Head screw	4			
27	4812336097	Washer	2			
28	4812336098	Plastic wheel	2			
29	4812336099	Hex. Head screw	2			

Base Plate with Exciter unit Plate



Item	Part No.	Name	Qty	L	C	SN INFO
1	4812336063	Baseplate	1			
2	4812086231	Hex. Head screw	4			
3	4812086225	Lock washer	4			
4	4812086226	Washer	4			
5	4812336067	Shockmount	4			
6	4812336068	Hex. Head screw	4			
7	4812334870	Spring Lock Washer	8			
8	4812336069	Rear cover	1			
9	4812336070	Ball bearing	2			
10	4812336071	Eccentric shaft	1			
11	4812336072	Oil Plug	1			
12	4812336073	Front cover	1			
13	4812336074	Oil seal	1			
14	4812336075	Hex.socket set screw	4			
15	4812336076	Pulley	1			
16	4812086292	Washer	1			
17	4812086293	Hex. Head screw	1			

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