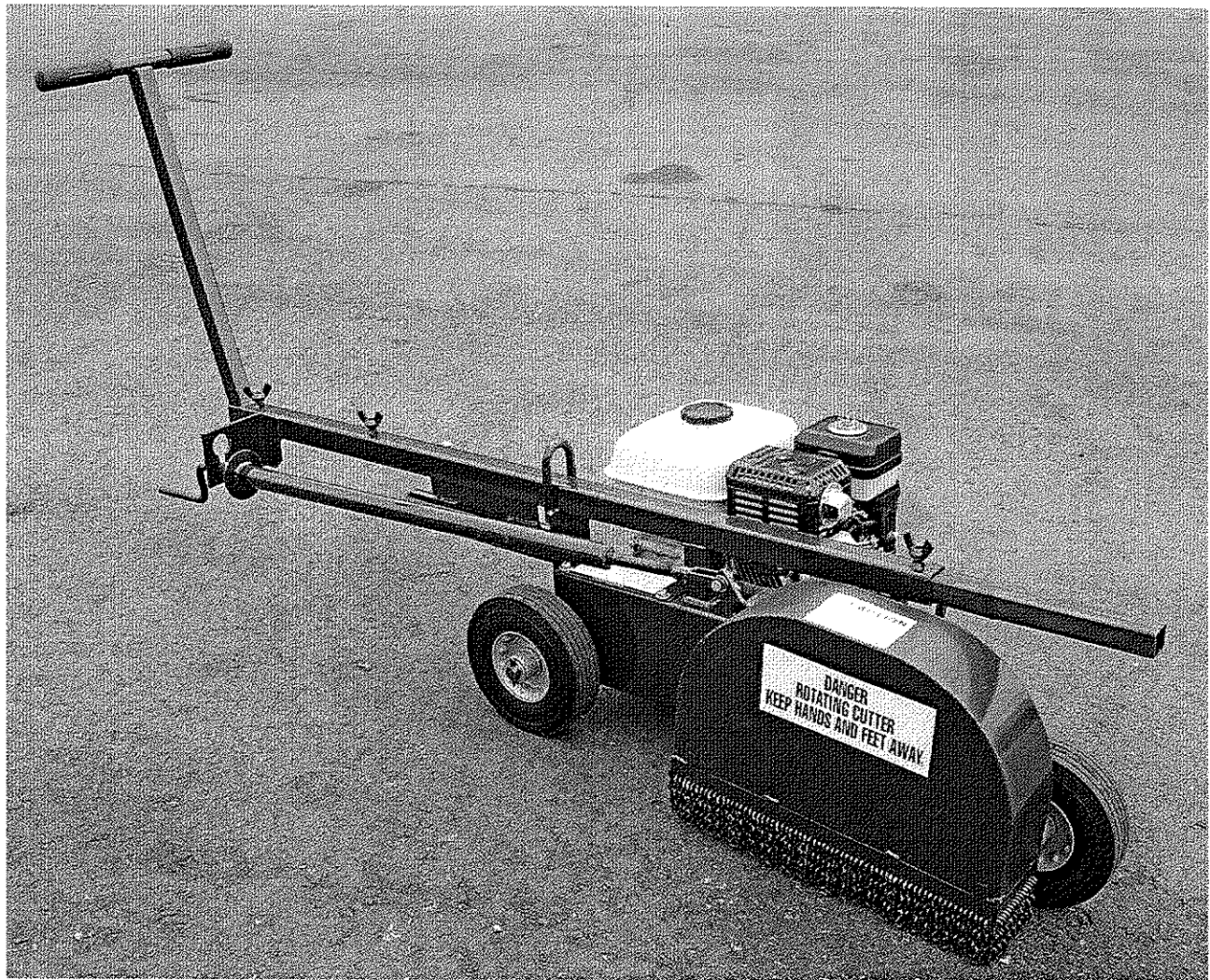


LOW PROFILE ROOF CUTTER

Instruction and safety information

Read before operating the cutter



WARNING

Misuse of this equipment may result in damage or injury. It is the responsibility of the purchaser to ensure that the personnel operating the machine is trained in the proper operating procedures and all safety regulations.

The employer shall permit only those employees qualified by training or experience to operate equipment and machinery.

The employer shall instruct each employee in the recognition and avoidance of unsafe conditions and the regulations applicable to the work environment, to control or eliminate any hazards or other exposure to illness or injury.

Regulations governing the use, selection, and maintenance of personal protective and lifesaving equipment as stated in safety regulations shall be followed.

Do not operate on a roof without a perimeter warning system or barrier.

SAFETY PRECAUTIONS

1. When using this equipment, full-face shield and proper clothing should be worn to protect the operator from flying debris.
2. Do not operate this equipment within 10 feet of the roof edge.
3. When on-deck equipment is being used, perimeter warning lines must be set up 10 feet from the roof edge, and around all roof openings.
4. Follow local code requirements.
5. Never leave machine unattended when engine is running.
6. Shut off the engine before refuelling, checking, making adjustments or repairs.
7. Keep hands and feet clear of moving parts at all times.
8. Do not operate unless all guards and shields are in position.

OPERATOR TRAINING


1. Before being allowed to use this or any piece of equipment, the operator should first fully understand all proper operating procedures. Special attention should be paid to the control locations and functions, all warning messages, and possible hazardous operating conditions.

2. Proper training includes informing the operator as to the correct protective clothing and safety equipment that should be worn while operating the equipment. Clothes that fit properly (that is, not too tight and not too loose) includes a long sleeve shirt buttoned at the cuff, long cuffless pants, steel toe safety shoes and safety glasses or full-face shield. These items should be mandatory apparel for the operator. If work is being done at a level higher than the level at which the cutter is being used, a hard hat should be worn.
3. Before using the machine on a roof, the operator should become familiar with the controls, safety features, and the overall 'feel' of the machine; on the ground, preferably in an open area with no vehicular or pedestrian traffic.

INTENDED USE

This machine is intended to be used for the sole purpose of cutting flat, level, built-up roofs in the re-roofing process. The cutter is designed to cut only BITUMEN, EMBEDDED GRAVEL, FELTS and INSULATION - NOTHING ELSE! It is ideal for cutting jobs around tight and hard to reach areas such as air conditioners and vents.

OPERATION

-  **Warning** • Make certain that the blade cover and belt cover are in place and all bolts and nuts are tightened securely. Never under any circumstances operate the machine without the blade cover and the belt cover bolted firmly in place.
- Never put hands, feet or any parts of body close to the rotating blade underneath the blade cover when engine is running.
 - Never leave the machine unattended when the engine is running.
- Note:**
- If there is a significant amount of loose gravel or other debris on the roof, it will be necessary to sweep the loose material up before you start cutting. This will prevent the machine from clogging up and ensure proper operation. This will also avoid flying stones and excessive wear on the carbide tips of the blade.
 - Make certain that the engine crankcase is filled with oil and that the engine has been serviced as per the engine instruction.

1. Raise the depth control bar so that the washer welded to it is resting against the stop.
2. Turn the depth control bar handle counter-clockwise until the blade can rotate freely without touching the deck.
3. Push down on the depth control handle until the smaller diameter of the depth control bar drops into slot. This raises the front end of the cutter to the 'UP' position, providing additional clearance for the blade.
4. Start the engine as per the engine instruction and let it warm-up for a few minutes.
5. Adjust the throttle control to the desired speed.
6. Raise the depth control bar until the washer again rests against the stop.
7. Turn the depth control bar handle slowly clockwise until the blade is cutting into the roof to the desired depth.

Note: Take every precaution not to cut through metal or any other type of roof deck under the roof membrane.

8. Push the cutter forward as fast as the blade will easily cut into the roof.

TO STOP CUTTING

Push down on the depth control handle until the smaller diameter of the depth control bar drops into slot. This raises the front end of the cutter to the 'UP' position, letting the blade rotate freely without cutting the roof.

Turn off the engine if not intending to use the cutter immediately.

CUTTING BLADE REPLACEMENT

The blade is held in position by a hex nut, a lock washer and two blade retaining washers. To replace the blade,

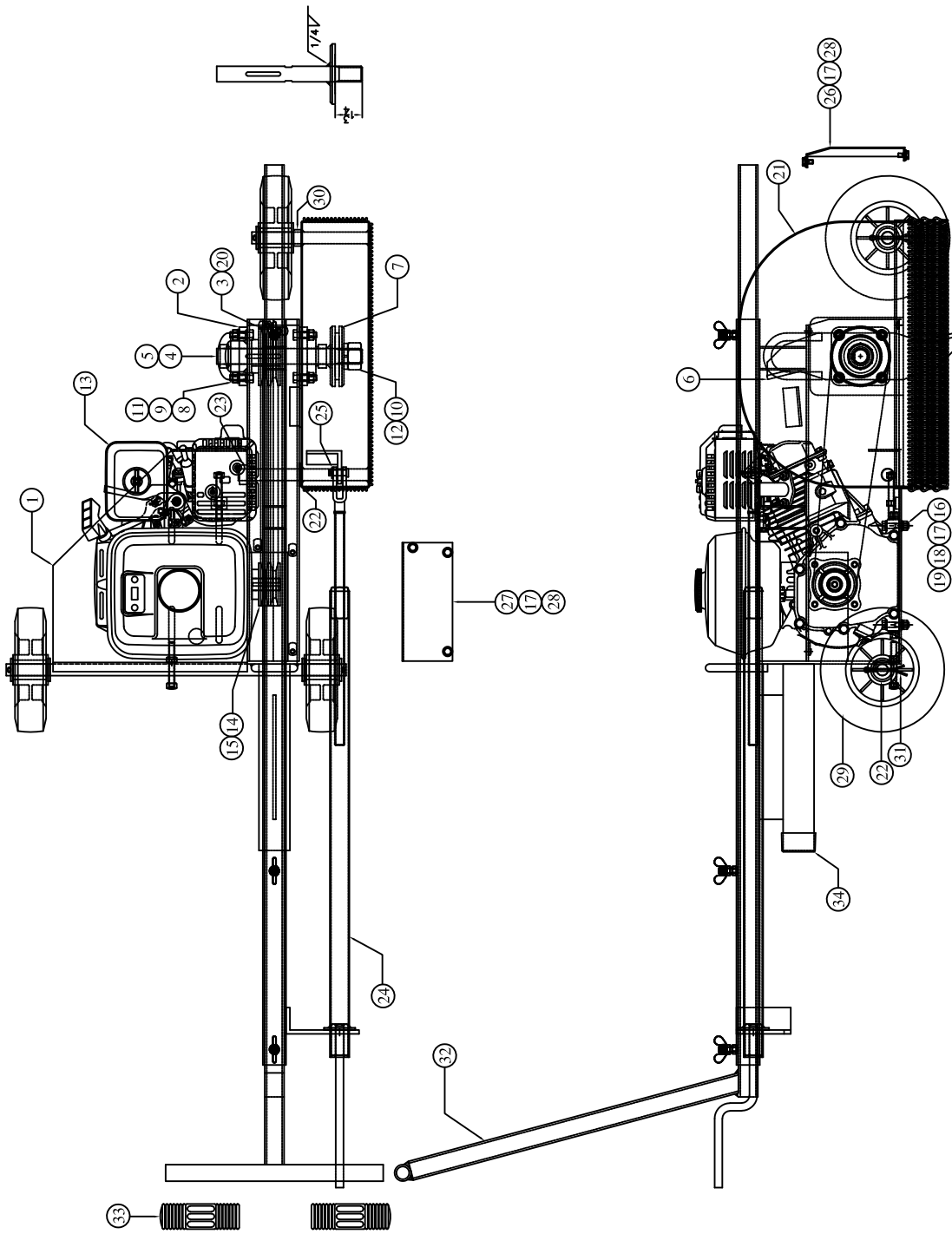
1. Stop the engine and remove spark plug cable from spark plug.
2. Remove the front wheel from blade cover.
3. Rotate the blade cover up and loosen the hex nut on the blade shaft with a wrench.
4. Remove the lock washer and the outside blade retaining washer.

5. Replace the old blade with new one. Place the new blade on the shaft so that the lower cutting edge faces forward.
6. Put blade retaining washer, then lock washer back.
7. Screw the hex nut in and tightened securely.

MAINTENANCE

Lightly oil the threaded rod on the depth control bar weekly.

For engine maintenance, carefully follow the engine maintenance instructions that are provided with this machine.



ITEM #	DESCRIPTION	MATERIAL	QTY	DRAWING #
34	END CAP FOR 2" OD TUBING	VINYL	1	N/A
33	VINYL HANDLE GRIP	VINYL	2	N/A
32	HANDLE EXTENSION	SEE DRG	1	509
31	CUTTER PIN 3/16 X 1 1/2 LG	STD	3	N/A
30	PIPE 3/4 X 1/2 LG	STD	1	N/A
29	WHEEL 8" X 3/4	PARTS	3	N/A
28	HEX BOLT 1/4 UNC X 1/2 LG	STD	5	N/A
27	BELT BOX REAR COVER	SEE DRG	1	507
26	BELT BOX FRONT COVER	SEE DRG	1	508
25	PLAIN WASHER 5/16	STD	1	N/A
24	HEIGHT ADJUSTMENT ROD ASSLY	SEE DRG	1	506
23	WHEEL LOCKING COLLAR	STD	1	N/A
22	PLAIN WASHER 3/4 SAE	STD	4	N/A
21	CUTTER COVER	SEE DRG	1	505
20	BELT A38	PARTS	2	N/A
19	HEX NUT 5/16 UNC	STD	4	N/A
18	LOCK WASHER 5/16	STD	4	N/A

ITEM #	DESCRIPTION	MATERIAL	QTY	DRAWING #
17	PLAIN WASHER 1/4	STD	11	N/A
16	HEX BOLT 5/16 UNC X 1 1/2 LG	STD	4	N/A
15	KEY 3/16 X 1 1/2 LG	STD	1	N/A
14	BELT PULLEY 2AK2734	PARTS	1	N/A
13	HONDA ENGINE 5.5 HP	PARTS	1	N/A
12	HEX NUT 1 UNC	STD	1	N/A
11	HEX NUT 7/16 UNC	STD	8	N/A
10	LOCK WASHER 1	STD	1	N/A
9	LOCK WASHER 7/16	STD	8	N/A
8	HEX BOLT 7/16 UNC X 1 1/4 LG	STD	8	N/A
7	BLADE COMPRESSION PLATE	SEE DRG	2	504
6	CUTTER BLADE	SEE DRG	1	503
5	KEY 1/4 X 1 1/2 LG	STD	1	N/A
4	CUTTER SHAFT	SEE DRG	1	502
3	4" PULLEY WITH 1" BORE	PARTS	1	N/A
2	4 BOLT 1" FLANGE BEARING	PARTS	2	N/A
1	BODY SUB ASSLY	SEE DRG	1	501

NO.	REVISION	BY	DATE
1	ITEM #29 WIDTH CHANGED	RDS	MAR 16, 2016

SPAR-MARATHON ROOFING SUPPLIES
 LOW PROFILE ROOF CUTTER
 UNIT WEIGHT 1 LBS. (PT.)
 DRAWING SCALE 1:5
 SEE PARTS LIST
 DRAWN RDS DATE SEPT 22, 2005
 APPROVED # 50 DATE