

Rapidool

A U S T R A L I A



RT Series **REBAR TIE MACHINE**

User's Guide

WARNING: PLEASE READ THIS MANUAL CAREFULLY BEFORE USING THIS MACHINE



1. Safety

This machine is a high performance, battery operated tool. Failure to follow safety instructions may result in serious injury.

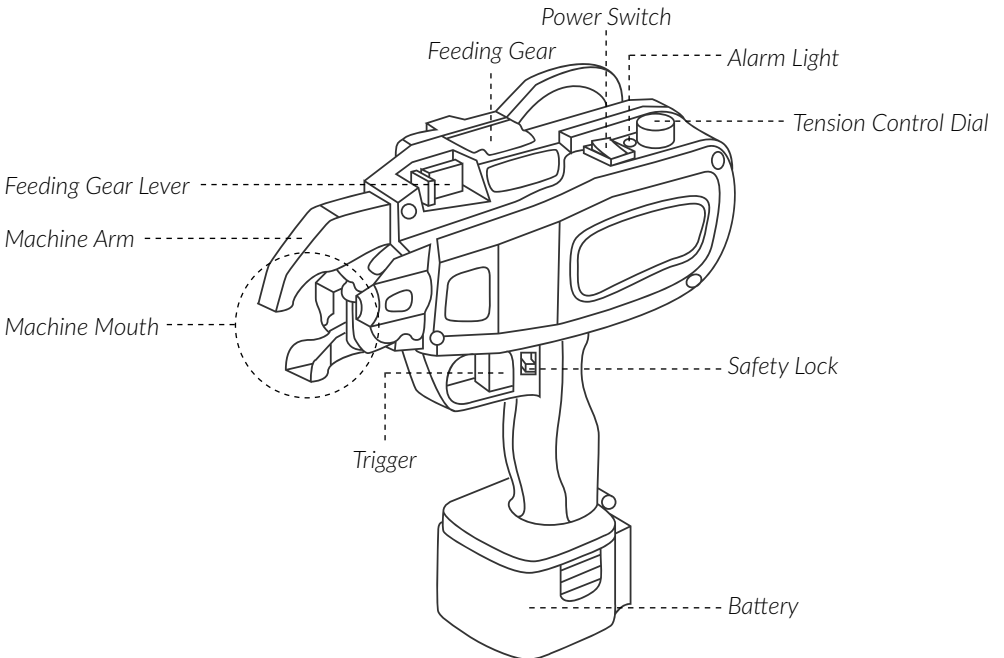
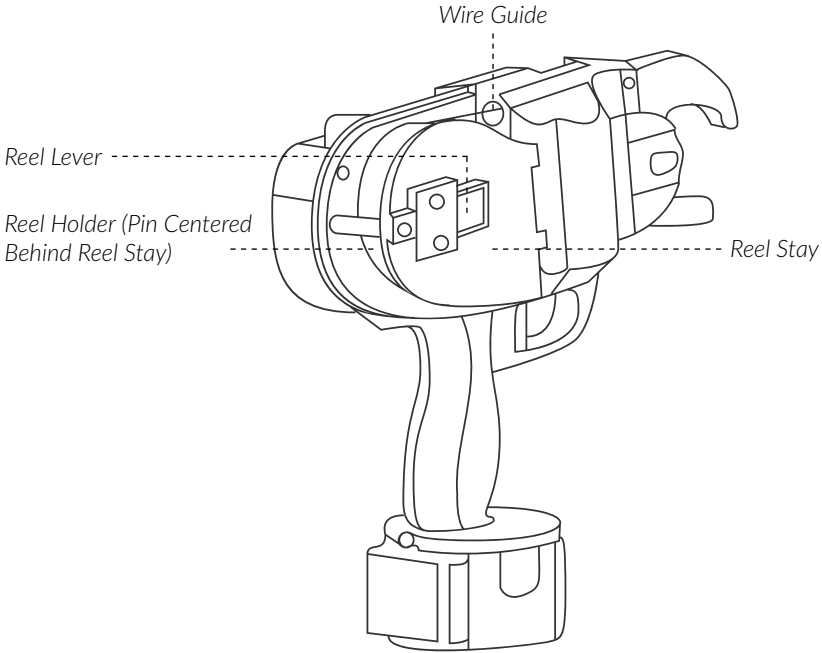
1. Ensure safety lock is on when not in use and before switching power on.
2. Authorized personal protective equipment must be worn when operating machine.
3. Ensure body parts are well clear of moving parts (machine mouth and wire coil). In particular keep hands well clear of machine mouth when power is on.
4. Use away from others, particularly children.
5. Never attempt to tie diameters outside of prescribed diameter range for the model (refer to table in Machine Operation section).
6. Never attempt to service machine (other than general maintenance procedures outlined in Maintenance section). Contact supplier if issues arise.
7. Only use Rapid Tool approved spare parts and accessories with machine.
8. Ensure power is switched off when not in use.
9. Ensure power is switched off when changing or adjusting wire coil.
10. Never operate machine in wet or damp conditions.
11. Do not operate machine in the presence of hazardous materials.
12. Do not charge battery using a generator.
13. Only use product in temperatures between 0 - 45° C.
14. Do not leave battery in charger once fully charged.
15. Only use supplied charger.
16. Only charge directly via charger.
17. Use protective cap when battery not in use.

2. Specifications & Parts

Battery Charger

Input	Output	Battery	
100 - 240V  50/60Hz 1.2A	14.4V  2.5A	6 Cell Li-ION 14.4V - 3.0 Ah	Charge only 14.4V Li-ION type rechargeable batteries

Machine Parts



3. Maintenance

General maintenance items below are not covered in machine warranty.
Allen Keys have been provided to assist in general maintenance.
Always switch power off and safety lock on before performing maintenance.

Cleaning

Ensure machine is cleaned after use to prevent debris from blocking tie mechanism openings (can use compressed air).

Pay particular attention to the machine mouth openings.

Loose Wire Jammed In Machine

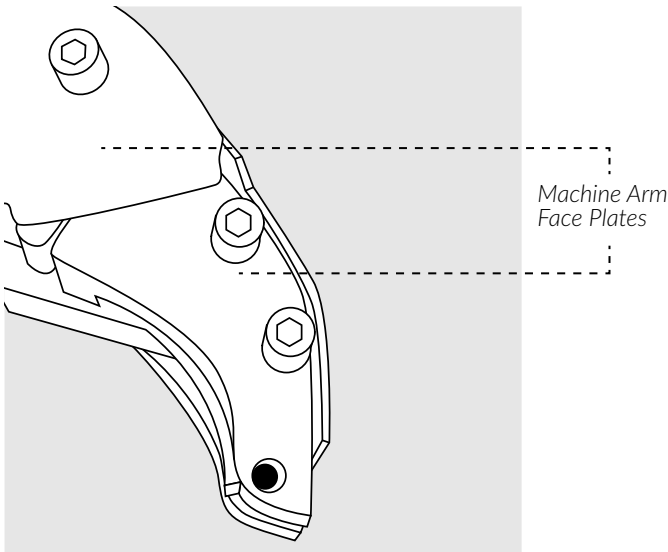
Loose wire jammed in machine is usually a result of incorrect loading of wire - please see installing wire coil in Section 3 of instructions to ensure wire is loaded using one of the two correct methods provided.

1. Remove screws and face plates on the machine arm to expose the loose wire.
2. Remove loose wire from the wire feed.
3. Replace and tighten screws and face plates.

Wire Cutter Not Functioning Correctly

Wire cutter issues are usually a result of machine openings not being cleaned properly after use.

1. Remove screws and face plates on the machine arm to expose the wire cutter.
2. Clean any debris on or around the wire cutter that is preventing movement.
3. Replace and tighten screws and face plates.

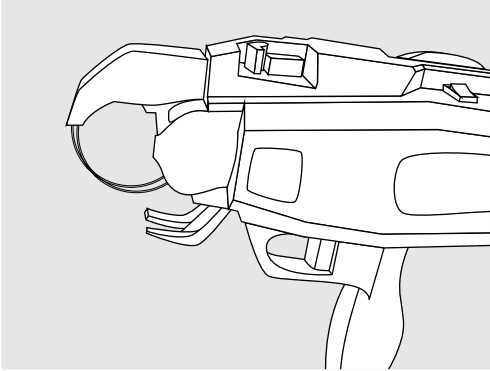


Wire Misfiring

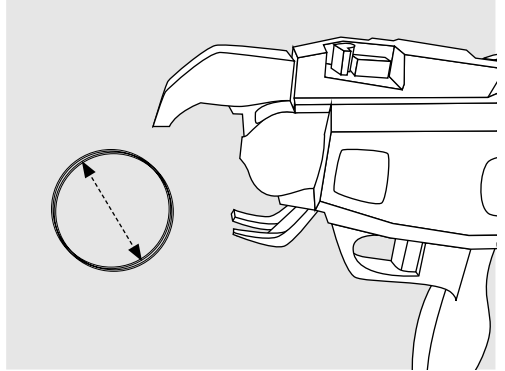
Wire misfire is usually a result of the machine mouth being knocked out of the correct alignment.

1. Measure the diameter of the wire circle.

1a) To produce the wire circle ensure the power switch is on. Pull the trigger and turn off the main switch once two circles have formed (happens in a very short time).

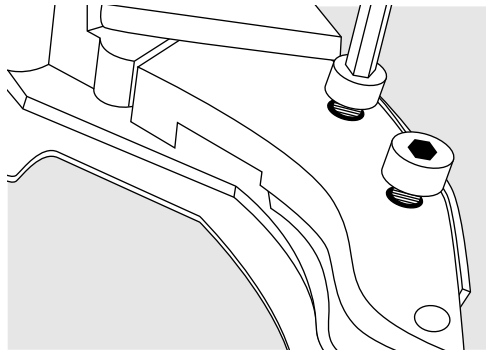


1b) Open the curl guide as shown above.



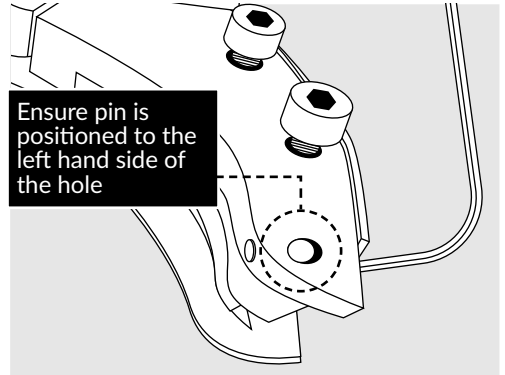
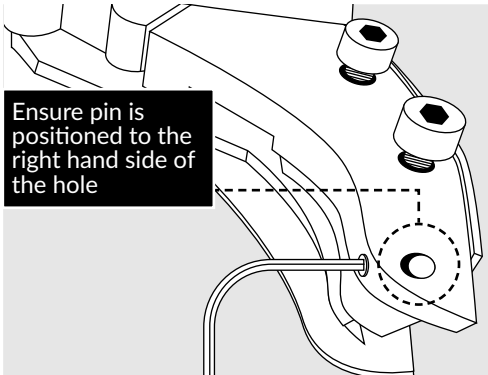
1c) Pull out the circle and measure the diameter as shown above.

The circle diameter should be between 58mm - 60mm.



2. If the circle diameter is smaller than 58mm or larger than 60mm loosen the two screws as shown above (do not need to fully loosen).

3. Adjust the two screws to reposition the pin at the end of the machine arm.

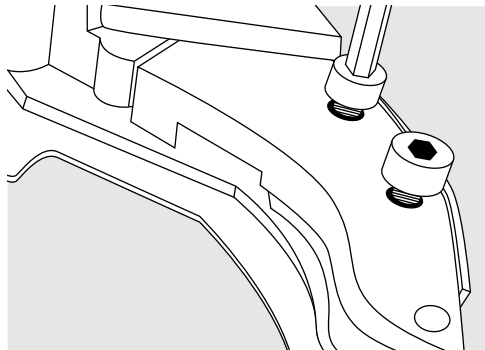


If the circle diameter is smaller than 58mm

Adjust the two screws to ensure the pin at the end of the machine arm is positioned to the right hand side of the hole as shown above.

If the circle diameter is larger than 60mm

Adjust the two screws to ensure the pin at the end of the machine arm is positioned to the left hand side of the hole as shown above.



4. Re-tighten the two screws as shown above.

4. Machine Operation

Total Tie Diameter Range

Model	RT-40	RT-60
Total Tie Diameter Range (mm)	4-40	30-60

Tying Procedure

1. Ensure power is on, safety lock is off and feeding gears are closed in contact with wire.
2. Hold machine mouth over reinforcing at 45° to reinforcing direction (never attempt to tie diameters outside of the prescribed diameter range in table above).
3. Press trigger for operation.
4. Remove tool when tying is complete.

Tension Settings

Adjust Tension Control Dial to desired setting.

1 = Lowest Tension Setting

5 = Highest Tension Setting

Installing Wire Coil - only use tie wire from machine supplier

1. Ensure power is switched off, safety lock is on and feeding gears are open (press the feeding gear lever).
2. Cut loose end of tie wire to ensure wire is straight.
3. Press the reel lever to release the reel stay.
4. Position the wire on the reel holder and close the reel stay.
5. Insert the wire into the wire guide ensuring wire is fed from the top of the coil (coil will turn clockwise). Ensure that wire is straight when inserting.
6. Continue feeding wire until tip of wire appears at the end of the machine arm.
7. Release the feeding gear lever to ensure feeding gears are closed in contact with wire.
8. Install battery.
9. Turn power on and switch safety lock off for use.

Alternative Method

- 1-5. Same as above.
6. Continue to feed wire at least 2cm into wire guide.
7. Release the feeding gear lever to ensure feeding gears are closed in contact with wire.
8. Install battery.
9. Turn power on and switch safety lock off.
10. Press trigger to complete loading of wire.
11. Shake completed loose tie wire from machine mouth (never put hands in mouth of machine).
Machine is now ready for use.

Removing Wire Coil

1. Press the feeding gear lever to ensure feeding gears are open.
2. Remove wire from machine.
3. Press the reel lever to release the reel stay.
4. Remove the empty coil.

RAPID TOOL AUSTRALIA

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