



# RR170 Manual Firewood Bundler

## Assembly Guide

Read this guide completely before assembly. Keep it with the machine for future reference.



Assembled RR170 manual firewood bundler

### About this guide

This guide covers assembly of the Range Road RR170, followed by an initial inspection and function check. Match the photographs to the parts supplied with your machine. If the parts differ, are damaged, or cannot be assembled as shown, contact your nearest dealer before proceeding.

Before wrapping firewood, obtain model-specific instruction on loading, film installation, bundle limits, and stopping the machine. Assembly completion alone does not establish that an operator is trained to use it.

## Safety and preparation

WARNING identifies a hazard that could cause death or serious injury. CAUTION identifies a hazard that could cause minor or moderate injury. NOTICE identifies a risk of equipment or property damage.

**WARNING** The wrapping arm, film roll, counterweight, chain, and sprockets can strike, pinch, or entangle you. Keep hands, clothing, hair, and tools out of their travel path. Do not operate with a guard missing or loose.

**WARNING** Do not turn the crank while another person is assembling or inspecting the machine. Keep the crank and rotating assembly stationary whenever hands or tools are near the drive or wrapping arm.

- Use a firm, level work surface with enough room to lift and turn the assembly. Keep children, bystanders, and pets away.
- Use lifting assistance for the upper assembly and when turning the RR170 upright. Support the frame securely; do not place hands beneath an unsupported component.
- Wear safety glasses and protective footwear. Use work gloves for handling parts and rough wood while the mechanism is stationary. Keep gloves away from rotating parts. Remove jewelry, secure long hair, and avoid loose clothing.
- Keep all original bolts, nuts, and washers organized by mounting location. Start threads by hand. Leave joints loose only where instructed, then complete the final tightening check.

## Tools and hardware

Use correctly sized wrenches or sockets for the supplied fasteners, a suitable driver for any fitted screws, and a clean surface for retaining hardware. Contact your nearest dealer for specified tightening torques; do not substitute guessed values.

**NOTE** Some photographs show exposed moving parts during assembly. Complete all guard installation and final checks before operating the machine.

## Step 1 Unpack and identify the parts

Remove the crate lid and packing carefully. Remove plastic wrap from every component and check for shipping damage. Keep the mounting hardware with the component from which it was removed.

| Quantity    | Component                                     |
|-------------|-----------------------------------------------|
| 1           | Upper frame and manual drive assembly         |
| 4           | Legs                                          |
| 1           | U-shaped floor frame                          |
| 1           | Curved rear guard                             |
| 1           | Crank handle grip with its retaining hardware |
| As supplied | Film roll and preinstalled mounting fasteners |



RR170 main components

## Step 2 Position the upper frame

Place the upper frame on a clean, protected surface in the orientation shown: the shaft carrying the sprocket points downward. Support the frame so the shaft, film roll, and drive parts do not carry its weight. Prevent the rotating assembly from moving.



Match the marked upper-frame orientation before fitting the legs

### Step 3 Prepare the hardware and fit the legs

Remove the mounting bolts indicated by the arrows from all four legs. Keep each set of nuts and washers together. Remove the two outer-end mounting bolts indicated on the curved guard and retain them for Step 6.



A Remove the indicated leg mounting bolts



B Retain the two outer-end guard bolts for installation later

Install all four legs on the upper frame in the arrangement shown. Fit the nuts toward the inside of the frame and start all fasteners by hand. Leave these leg fasteners loose enough for frame alignment; do not leave a leg unsupported.



C First leg fitted D All four legs fitted

**NOTE** The special guard bolt next to the counterweight uses a different orientation. Follow Step 6 for that fastener.

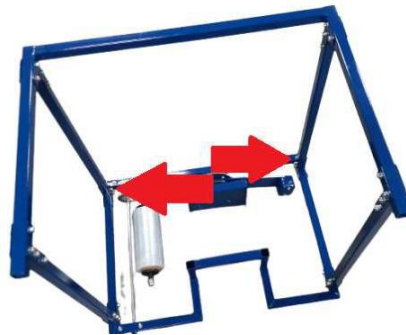
## Step 4 Fit the floor frame and tighten in stages

Fit the U-shaped floor frame across the free ends of the four legs. Install all floor-frame fasteners before tightening. Align the frame without forcing the holes, then tighten the floor-frame fasteners securely.



A U-shaped floor frame B Floor frame fitted to the legs

Next, tighten the upper-frame-to-leg connections marked by the arrows in Photo C. Leave the opposite connections marked in Photo D loose for guard alignment. These remaining joints must be tightened after the guard is fitted.



C Tighten the marked connections now D Leave these marked connections loose for guard alignment

**WARNING** The frame is not ready for use while any assembly fasteners remain loose. Support it during handling and complete Steps 5 through 8 before cranking.

## Step 5 Stand the bundler upright and prepare the guard mounts

With lifting assistance, carefully turn the assembled frame upright onto its floor frame. Hold the fixed frame, keep fingers clear of pinch points, and prevent the wrapping arm and counterweight from swinging. Do not lift by the crank, film holder, chain, or guard.



Drive-side view after the machine is turned upright

Locate and remove the six guard-mounting bolts shown below. Retain their nuts and washers. Keep the frame supported if any mounting connection loosens when these bolts are removed.



Guard-mounting fastener locations

**NOTE** Use the photographed mounting locations. Do not remove unrelated bearing, sprocket, or counterweight hardware.

## Step 6 Install the curved guard

Place the curved guard over the rear drive area. Align its mounting holes and reinstall all six guard fasteners, including the retained outer-end hardware. Start every fastener before final tightening.

**WARNING** At the location shown in Photo A, the nut must be on the outside so the bolt does not contact the counterweight. Preserve this orientation and verify clearance before turning the crank.



A Special fastener near counterweight - nut outside B Curved guard installed

Align the guard, then tighten its mounting fasteners and the frame connections left loose in Step 4. Confirm that the guard is secure and does not touch the drive or counterweight.

## Step 7 Install the crank handle

Fit the handle grip to the crank using the supplied retaining hardware. Secure it and check that the grip turns freely on its mounting without loosening. Do not use the crank until every guard and frame connection is secure.



Crank with handle grip installed

## Step 8 Final inspection and initial function check

### Check before turning the crank

- All four legs and the floor frame are secure; the bundler sits firmly without rocking.
- All frame, guard, and crank fasteners are fitted and tight, including those previously left loose.
- The special counterweight-adjacent guard fastener has its nut outside.
- The guard is secure; the chain, sprockets, wrapping arm, film holder, and counterweight have clearance.
- All packing, tools, loose hardware, and loose film are removed from the mechanism.

### Controlled no-load check

With no firewood loaded, keep everyone clear of the wrapping path. From the normal crank position, turn the crank slowly and observe the full travel of the arm and counterweight. Keep hands on the crank grip and out of the mechanism. Stop immediately if anything binds, rubs, loosens, or causes the frame to rock. Do not force the crank.

If the proper operating direction is not known, obtain instruction from your nearest dealer before this check. Do not use the bundler until it moves freely and every inspection item is satisfactory.

### Initial operation recheck

Stop cranking and wait for every part to stop. Recheck frame and guard fasteners, stability, and clearance around the film roll, wrapping arm, and counterweight. Inspect for rubbing, looseness, or abnormal movement. Correct any defect before use.

### Safe use and basic care

Load or remove firewood, fit film, and clear loose wrap only when the mechanism is stopped. Keep wood within the intended holder and keep the rotating path clear. Never reach into a moving bundle or attempt to catch a moving arm.

Prevent anyone from turning the crank before cleaning, inspection, adjustment, or jam clearing. Remove wood chips and loose film without reaching into an unsecured mechanism. Do not alter guards or fit an unapproved drive or control.

Before each use, inspect fasteners, guards, frame condition, and moving-part clearance. Store the machine clean and dry. Obtain the correct lubrication instructions and replacement parts from your nearest dealer.

For operating instruction, replacement safety labels, service, or warranty information, contact your nearest dealer.