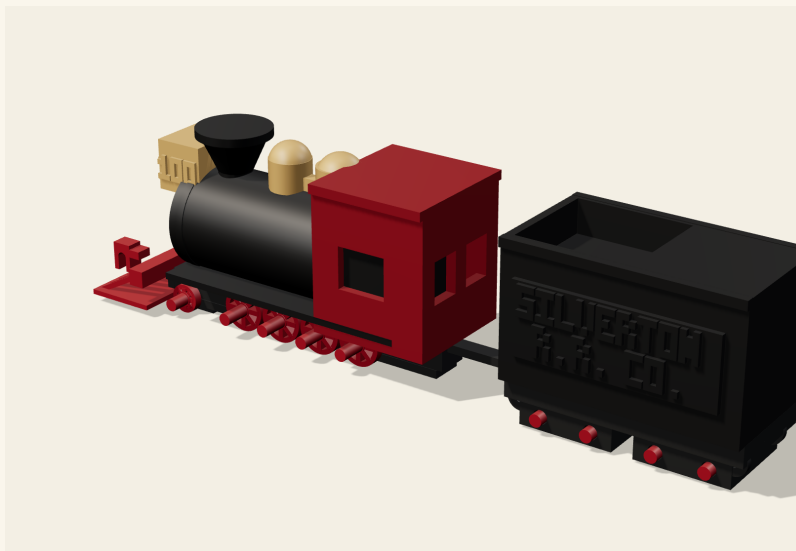


FERRO LINE / OWNER FOLDOUT

Ouray No. 100

Build the mountain engine. Guide it by hand.



1:87 / 30 NAMED PARTS

Keep this guide with the model

INVENTORY

Thirty parts. Two assemblies.

Lay the parts on a soft cloth. Match names before fitting; similarly shaped wheelsets belong to different places.

LOCOMOTIVE

16 PARTS

- 1 frame
- 1 axle keeper
- 4 driver wheelsets
- 1 pilot truck
- 1 pilot wheelset
- 1 pilot axle keeper
- 1 pilot pivot pin
- 1 boiler + smokebox
- 1 dome cluster
- 1 diamond stack
- 1 cab
- 1 headlamp
- 1 pilot beam

TENDER + COUPLING

14 PARTS

- 1 tender frame
- 1 tender tank
- 2 truck bodies
- 2 truck keepers
- 2 pivot pins
- 4 tender wheelsets
- 1 front coupling bar
- 1 rear coupling bar



QUICK CHECK

Four large driver sets, one small pilot set, and four tender sets.

ASSEMBLY A

Make the engine roll

Dry-fit first. Work over a tray so small pins cannot escape. Never force a journal, keeper, or fitting.

1 Seat four drivers

Turn the frame upside down. Place the four large driver wheelsets into the four open journals. Keep every axle square across the frame.

2 Close the journals

Lay the long axle keeper along the underside. Check that every wheelset turns before securing any fixed seam.

3 Build the pilot truck

Seat the small pilot wheelset in its truck and close it with the pilot axle keeper. Align the truck beneath the front pivot and insert the pilot pin.

4 Add the landmark parts

Fit boiler + smokebox, cab, dome cluster, diamond stack, headlamp, and pilot beam at their named seams. Keep adhesive away from axles and the pilot pivot.



FOUR LARGE DRIVERS DEFINE THE 2-8-0 STANCE

ASSEMBLY B

Give the tender two trucks

The front is the end that faces the locomotive. Keep both truck pivots and every axle free of adhesive.

1 Make two rolling trucks

For each truck, seat two tender wheelsets in the journals. Close the underside with its matching keeper. Test all four axles by hand.

2 Hang the trucks

Place the front and rear trucks beneath the tender frame. Align each center hole and insert its pivot pin. Confirm both trucks can yaw gently.

3 Fit the lettered tank

Set the SILVERTON R.R. CO. tank on the frame with the lettering outward. Dry-fit the full body before securing fixed seams.

4 Seat the two bars

Place the front bar at the locomotive end and the rear bar at the opposite end. Keep each center span exposed for a hook. Stop if either bar will not seat gently.

FRONT BAR < TENDER > REAR BAR

GUIDE BY HAND

Connect. Roll. Release.

Use a clean, flat desk. Hold the locomotive and tender by their bodies - never by the stack, lamp, lettering, or coupling bar.



1 CONNECT

Align the tender's front bar beneath the locomotive's rear hook. Lower the hook over the bar.

2 ROLL + YAW

Push the bodies gently. The wheelsets should turn and the tender should follow with a small angle.

3 RELEASE

Stop. Lift the locomotive rear only enough to clear the bar, then move the two bodies apart.

STOP IF A WHEEL BINDS OR A BAR RESISTS. CHECK ALIGNMENT; DO NOT BEND OR FORCE.

REFERENCE

Fix small problems gently

Printed fit varies. These checks protect the fine stack, lamp, lettering, wheels, pivots, and coupling bars.

WHEELS BIND

Confirm the correct wheelset is in each journal. Loosen the keeper, remove dust, reseal the axle square, and test again.

TRUCK WILL NOT YAW

Check that the pivot pin is upright and no adhesive reaches the joint. Lift and reseal; never twist the truck.

HOOK MISSES BAR

Place both bodies on the same flat surface. Align the front bar under the hook, then lower. Do not bend the bar.

CARE + PACK AWAY

Uncouple and cradle the locomotive and tender separately. Keep weight off the stack and lamp. Dust with a soft brush; avoid heat, sun, water, and solvents. Store every loose pin and bar with the model. Follow the adhesive maker's ventilation, contact, age, and supervision guidance.

SMALL PARTS - KEEP AWAY FROM CHILDREN AND PETS.

HISTORICAL LINEAGE

The Fort Lewis College catalog identifies the 1888 subject as Silverton Railroad No. 100 Ouray and records its 2-8-0 wheel arrangement. Sister Class 60/C-16 records informed the wheel proportions.

DIGITAL-ONLY CHECK

Fit and rolling were assessed digitally only; neither has been proven on a physical print. Strength and finish also remain untested.