

RunFlat Lubricant Installation Guide

Segmented Polymer RunFlat — Bolt-Together Installation Procedure

A segmented polymer RunFlat bolts together around the rim with hand tools — no hydraulic press, no specialist equipment. Any competent crew can do it. Follow these eight steps for a correct, safe installation.

Tools Required

- Torque wrench
- Standard hand tools (socket set, ratchet)
- Torque-limiting tool (supplied with RunFlat)
- Tire-inflation safety cage
- Toota RunFlat Lubricant — 1 tub or 4 tubes per tire
- Thread adhesive (supplied)
- Double locking washers (supplied)

Installation Procedure

1. Grease the Tire

Apply the supplied long-life RunFlat grease uniformly around the inside tread — one tub or four tubes per tire. This is the friction barrier the RunFlat rides on when the air is gone. Ensure complete, even coverage across the full inner tread surface.

2. Drop in the Segments

Feed the three polymer segments through the tire bead and lay them around the inside of the tire, positioned either side of the valve location. Verify all three segments are oriented correctly with identification labels facing outward.

3. Onto the Rim Base

Lower the tire-and-RunFlat assembly over the rim base and seat the lower bead. No press, no fitting rig — this is the step that usually needs a machine, done by hand. Verify the bead is fully seated before proceeding.

4. Connect the Segments

Fit the wedge bolts and clamping plates at each joint. Install double locking washers under every bolt head and apply thread adhesive on every bolt. Both locking methods, every time — no exceptions.

5. Torque to Spec

With the torque-limiting tool, tighten each wedge bolt in turn to the setting marked on the RunFlat identification label. Then torque the clamping-plate bolts the same way. Work in sequence — do not fully tighten one joint before starting the next.

6. Seat the O-Ring

Place the O-ring seal on the rim base before the outer half goes on. On a two-piece wheel, this seal is what holds the air — don't skip it, don't pinch it. Inspect the O-ring for cuts or deformation before installation.

7. Bolt on the Outer Ring

Fit the outer ring over the studs and run the flange nuts down in a criss-cross pattern — hand-tight first, then in stages to the specified torque. Follow the torque sequence diagram for your specific wheel.

8. Inflate & Inspect

Inflate in a tire-inflation safety cage and check for leaks. Record the fitting in the vehicle log — batch number, date, fitter, mileage. Mission ready. Never inflate outside a safety cage.

Important Safety Notes

- Always use a tire-inflation safety cage during inflation.
- Double locking washers AND thread adhesive on every bolt — both methods, every time.
- Torque to the value marked on the RunFlat identification label — do not guess.
- Record every installation in the vehicle log.
- Inspect O-rings before every installation — replace if cut, deformed, or aged.
- If unsure about any step, contact The Toota Group before proceeding.

Need training or support?

We'll demo the install, spec the right RunFlat for your platform, and quote your program.

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