Front Tube Service Configuration Verification

Work, Money & Place | Required technical reading update | Checked November 21, 2026

Read this update alongside the existing complete course, workbook and worked case. The references below identify those reading-copy pages; this supplement does not repaginate them. Courses are free. This documentary review is not a physical test or a release of the selected operation.

Current status

CASE B HOLD BEFORE REPAIR INFLATION AND RELEASE

Exact identity and revision

Archived Trek FX 1 Gen 3, model 1042795, with a Bontrager Connection alloy double-wall 32-hole Schrader rim family and H2 Comp 35-622 conventional tube-type tire. Selected current teaching tube: Schwalbe Standard 17 AV40, product 10462230, standard butyl. No actual model-year/serial, installed rim part/revision, rim width, tire marking or tube package was inspected. Connection replacement rim 5295462 is a reference, not a proved installed part.

Confirmed by primary documents

Trek's archived specification identifies the model-level OEM combination. The current tube product includes 35-622 in its stated size range and confirms the AV/Schrader 40 mm valve. Trek EN-US Rev6 April 2026 requires size/type compatibility and observance of applicable tire and rim pressure limits. The separate replacement-rim listing describes a 20 mm inner clincher reference but publishes no numerical pressure limit. A model originally supplied with a tire does not establish the installed rim's present pressure rating.

Evidence still missing

The actual installed rim identity/revision, supported tire-width range, and pressure limit for the actual 35-622 tube-type configuration are not confirmed. The H2 Comp tire table is tire-only evidence; it does not establish the assembly's permitted interval. Do not select a pressure from a generic rim, neighboring variant, tubeless/hookless rule or tire sidewall alone. Selected-pressure, gauge and pass fields remain blank.

Physical verification and permitted next check

NOT PERFORMED. No actual bicycle inspection, repair, inflation, ride check or observed mechanic assessment occurred. First obtain matching primary rim/configuration evidence and resolve the size/type interval. Then a qualified bicycle mechanic must assess the actual assembly and observe the supported procedure. Do not inflate or release Case B while the documentary gate is open.

Effect on the teaching case

Case B remains a held inquiry: no dispatch, repair, inflation or rideable release. The $160 full-job model is a separate conditional financial simulation. Documentary tube compatibility does not change the held inquiry's zero actual receipts or establish a completed service.

Where this update applies

Current complete-course PDF: L03 pp. 5-7; L07 pp. 13-15; L13 pp. 23-25. Workbook F03 pp. 4 and 16; F05 pp. 6 and 18. Worked Case B pp. 1-4. These references identify the existing reading copies; read them with this verification update.

Primary sources and exact sections

Manufacturer webpages are unpaginated where stated. A historical manufacturer document hosted by a distributor is identified explicitly. A source listing or video index is not treated as a watched demonstration or an actual-unit check.

VR01 Trek FX 1 Gen 3 archived specification

Trek Bicycle Corporation. Archived 2021-2024 model 1042795, Specs / Wheels; official indexed specification
Evidence limit: Model-level OEM family specification; actual installed part and revision not proved.
https://www.trekbikes.com/us/en_US/bikes/hybrid-bikes/active-fitness-bikes/fx/fx-1-gen-3/a/1042795/

VR02 Trek Bicycle Owners Manual EN US Rev6 April 2026

Trek Bicycle Corporation. Printed pp. 10-12, 18 and 49; PDF pp. 17-19, 25 and 56 counting cover as p. 1
Evidence limit: Compatibility and pressure-selection rules; no exact Connection rim numerical rating.
https://media.trekbikes.com/image/upload/v1777060271/TrekBicycleOwnersManual_EN-US_Rev6_Apr2026.pdf

VR03 Connection 700c replacement rim 5295462

Trek Bicycle Corporation. Product specification, unpaginated HTML: 20 mm inner hook-bead dimension, Schrader clincher reference
Evidence limit: No published numerical pressure limit or proved match to the installed rim.
https://www.trekbikes.com/us/en_US/equipment/cycling-components/bike-rims-accessories/bike-rims/bontrager-connection-700c-32-hole-rim/p/5295462/

VR04 Schwalbe Tube 17 AV40 product 10462230

Schwalbe. Product description and product data: standard butyl, AV40, 28/47-622/635 range
Evidence limit: Tube size/valve match alone does not establish full rim/tire compatibility or pressure.
https://www.schwalbetires.com/SCHWALBE-TUBE-17-28-10462230

VR05 Schwalbe Tire Dimensions

Schwalbe. Which tire fits which rim; possible combinations and maximum-pressure/type note
Evidence limit: General compatibility guidance does not supply the installed rim's missing rating.
https://www.schwalbe.com/en/technology-faq/tire-dimensions/