

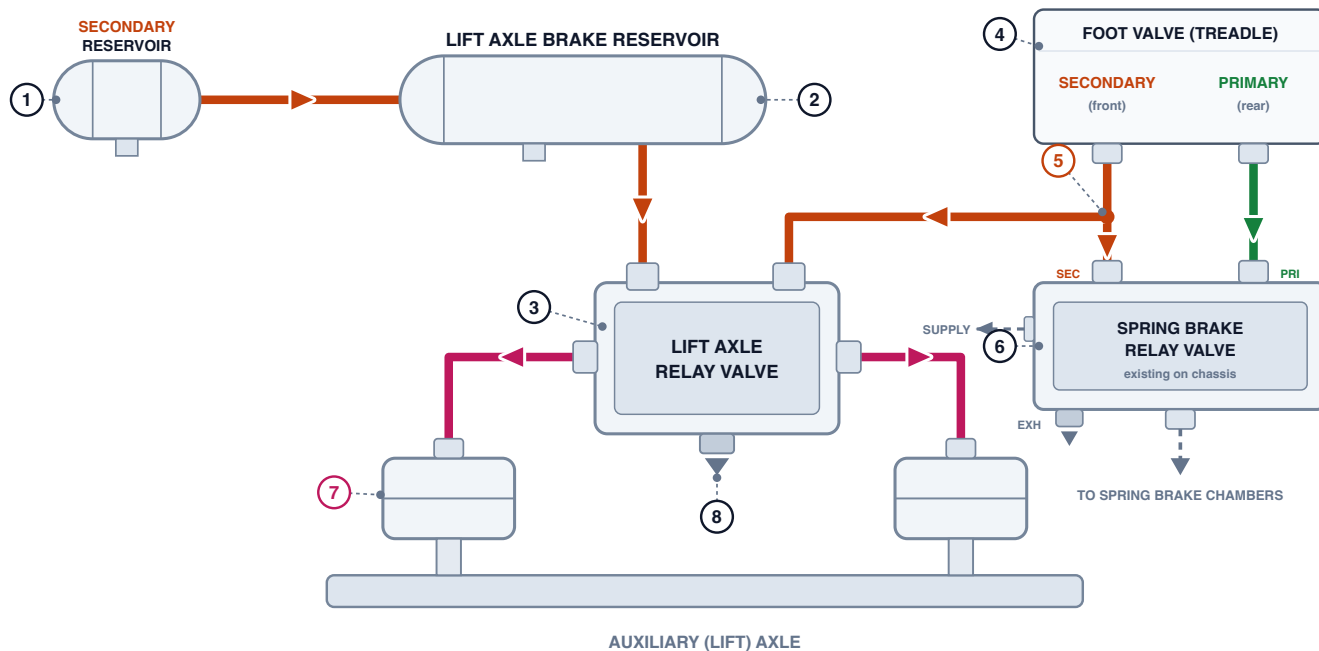


LIFT AXLE SERVICE BRAKE SCHEMATIC

Fed from the secondary tank · signal teed into the secondary foot valve line

PETRA TECHNICAL SPEC
DWG LAX-BRK-2026

SECONDARY CIRCUIT (orange) PRIMARY CIRCUIT (green) BRAKE DELIVERY



COMPONENT KEY

- | | | |
|---|---|--|
| ① Secondary reservoir — feeds the lift axle circuit | ④ Foot valve — primary and secondary delivery | ⑦ Service brake chambers, one per wheel end |
| ② Dedicated lift axle brake reservoir | ⑤ Tee into the existing secondary signal line | ⑧ Lift axle relay valve exhaust — vent to atmosphere |
| ③ Lift axle relay valve — supply, control, deliveries | ⑥ Spring brake relay valve — takes both signals | |