



Battery Flush Procedure

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Bulletin Classification: *This bulletin is released for informational purposes only. It is issued to assist in the correct operation and proper diagnosis & repair of Tesla vehicles. Topics include customer satisfaction issues, warranty, vendor, and general product information.*

Condition: Residual coolant may leak during shipment of the battery pack sheets effecting shipping container integrity.

Correction: Follow instructions to remove any possible excess coolant from the battery pack sheets using described special service tools and the vinyl caps for residual coolant containment. This procedure should be completed whenever a battery pack is removed in preparation for battery sheet shipment.

Procedure: Follow outlined procedure for removing residual coolant.

1. Install the clear drain tube directly to the manifold. Secure hose with clamp. Place the other end of the drain tube in the coolant catch basin; Glycol Blowout Bucket Tool (1012605-00-A).

Note: *The clear tube will allow for a visual indication of the amount of coolant being drained.*

2. Install hose from Battery Cooling System Pressure Tester (1008787-00-A) to the lower coolant tube. Secure hose with clamp.

Note: *Ensure the ball valve is turned to the off position and the pressure regulator is set to 0 psi.*

3. Connect shop air to the pressure regulator fitting. (See Figure 1)



Figure 1

4. Slowly increase air pressure to 8 psi turning the knob clockwise. Be sure to use the digital readout as a reference for manifold pressure as the analog gauge is less accurate. (See Figure 2)

Note: Exceeding recommended manifold pressure may cause damage to the cooling system within the battery.



Figure 2

5. Residual coolant will drain into the Glycol Blowout Bucket Tool (1012605-00-A).
6. Continue to drain the battery pack with air pressure until no further coolant is visible. Allow to drain up to 10 minutes. (See Figure 3)



Figure 3

7. When completely drained, gradually reduce the air pressure using the pressure regulator until the digital display indicates 0 psi.

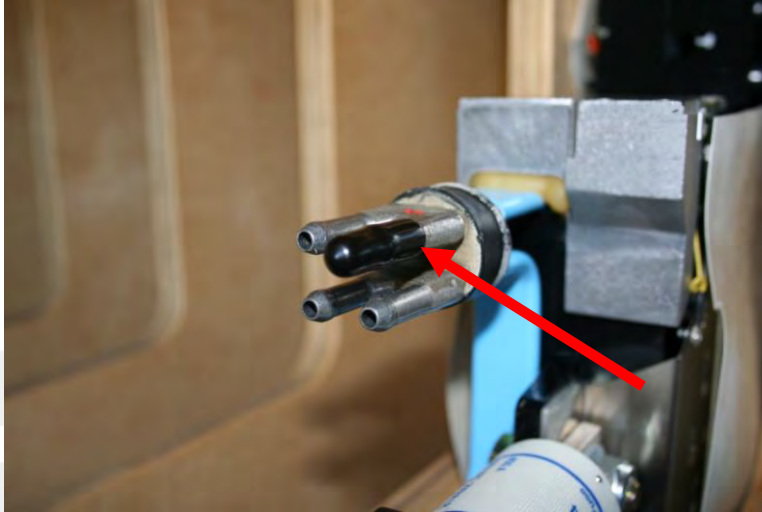


Figure 4

8. Install four Vinyl Caps to each of the sheet coolant tube ports (1012479-00-A). (See Figure 4)

Note: Tesla OEM silicon endfitting caps (red color) may not provide a tight seal for containing coolant due to the larger inner diameter. The revised vinyl caps (black color) will provide a tighter seal; therefore, residual coolant will not leak out.

9. Follow Tesla Hazmat authorized guidelines for shipment.

Affected Part(s) 1012605-00-A, Tool, Glycol Blowout Bucket, Qty. 1
1008787-00-A, Battery Cooling System Pressure Tester, Qty. 1
1012479-00-A, Cap, Vinyl, 0.240" ID (Black), Qty. 4 per sheet