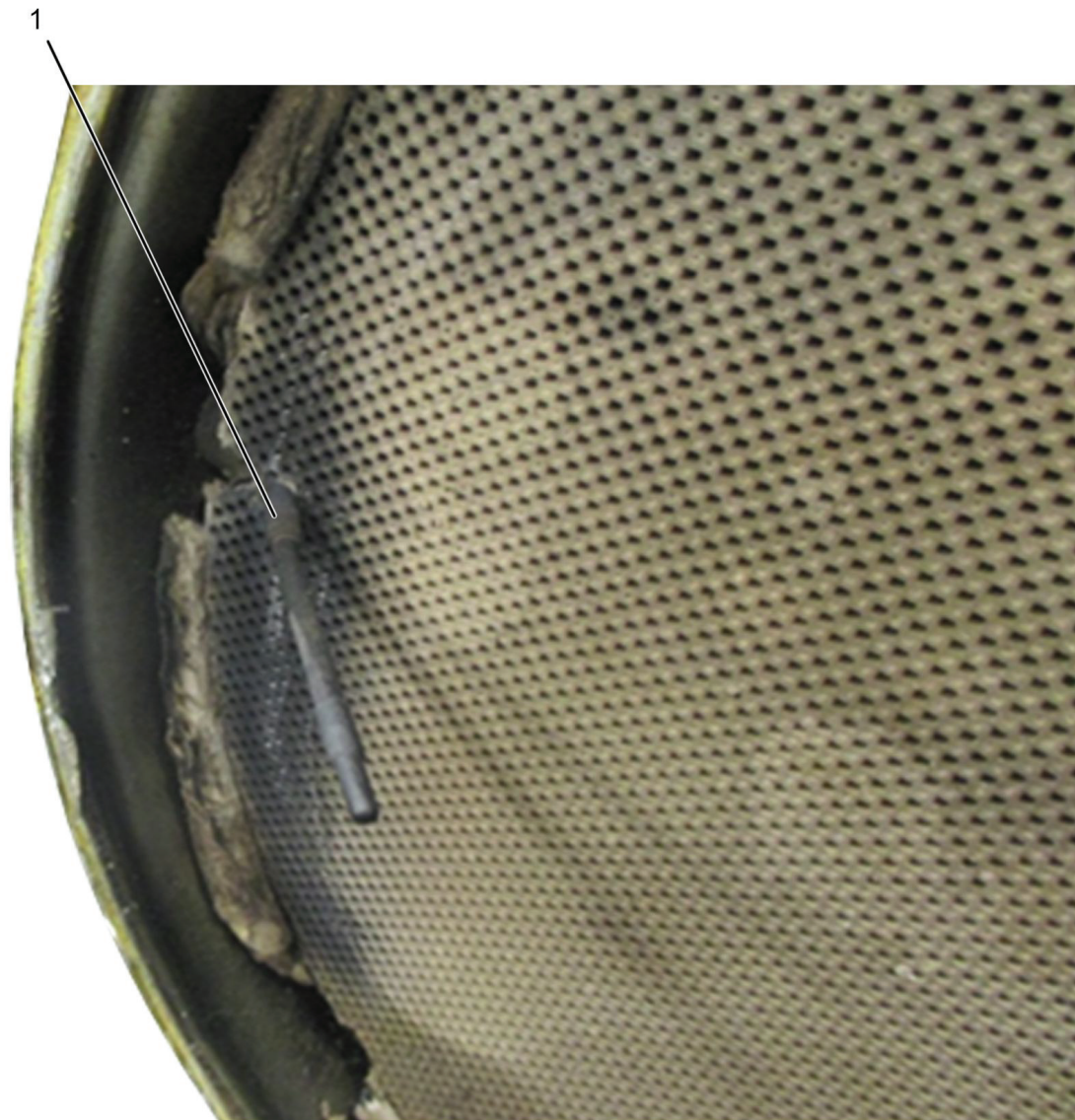


Diesel Particulate Filter (DPF) - Excessive Brick Shift



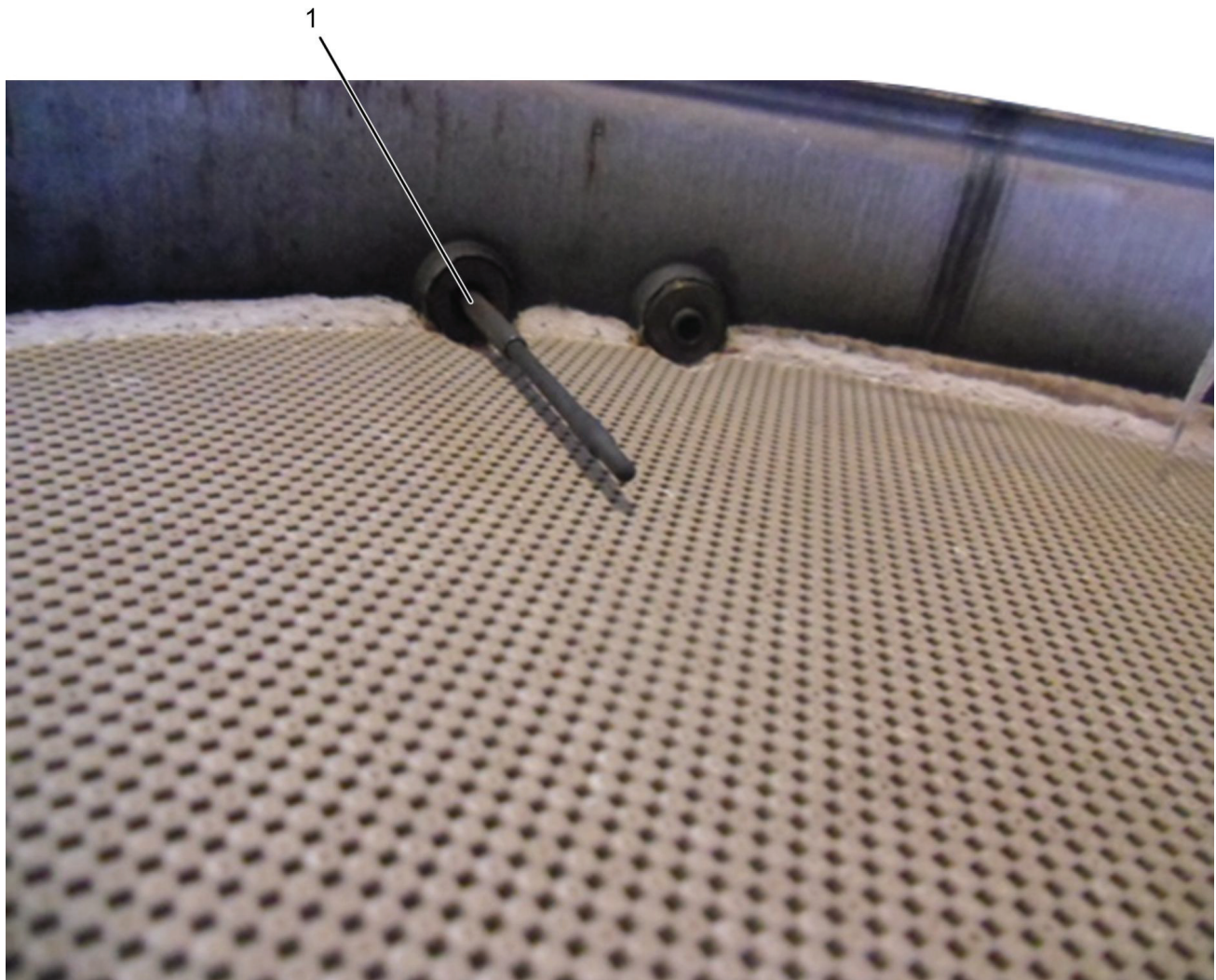
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1. Diesel Particulate Filter Outlet Temperature (DPFOT) sensor

Figure 83 Diesel Particulate Filter (DPF) - Excessive Brick Shift.

Appearance	DPF brick has shifted past DPFOT sensor causing damage to DPF substrate.
Cause	Excessive soot accumulation caused by a base engine problem resulting in higher than normal exhaust back pressure.
Action	Diagnosis and repair root cause of excessive exhaust back pressure. After root cause is repaired, replace DPF.

Diesel Particulate Filter (DPF) - Moderate Brick Shift



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1. Diesel Particulate Filter Outlet Temperature (DPFOT) sensor

Figure 84 Diesel Particulate Filter (DPF) - Moderate Brick Shift.

Appearance	DPF brick has shifted and made contact with the DPFOT sensor port bung, but has not damaged the DPF substrate.
Cause	Excessive soot accumulation caused by a base engine problem resulting in higher than normal exhaust back pressure.
Action	Diagnosis and repair root cause of excessive exhaust back pressure. After root cause is repaired, perform DPF Snap Acceleration Test. If no black smoke is seen during the snap acceleration test, DPF can be reused.