

NO START/HARD START/POOR RUNNING(DISTRIB CAP ARCING) GROUP 28, NO. 91-01

Article Text

1991 Volkswagen Passat
For Volkswagen Technical Site
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Wednesday, August 25, 1999 09:15PM

ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

NO START/HARD START/POOR RUNNING (DISTRIBUTOR CAP ARCING)

Model (s): 1987- on Volkswagen, All Models With 16V Engine
Group: 28 - Ignition System
Bulletin No.: 91-01
Date: October 31, 1991

CONDITION

High tension arcing on distributor caps, resulting in poor starting and poor running.

SERVICE

If customer complaints are received describing difficult starting, poor running or won't start at all, check the following before making adjustments or performing other troubleshooting.

NOTE: This Technical Bulletin provides information regarding arcing and carbon tracking on distributor caps with (black plastic) static suppressor shield only.

- Remove distributor cap.
- Inspect inside of cap for arcing and carbon tracking.
- Remove ignition wires from distributor cap and visually inspect wires.
 - * Ensure that terminals are strong and clean, replace any wires with burned terminals.
- Measure resistance of ignition wires and distributor rotor, replace any that do NOT meet specifications.
 - * Spark plug connector - 5,000 Ω 1,000 Ω
 - * Cap connector - 1,000 Ω 200 Ω
 - * Coil connector - 1,000 Ω 200 Ω
 - * Distributor rotor - 1,000 Ω 200 Ω
- Remove static noise suppressor, -A- (black plastic) from distributor cap. See Fig. 1.
- Inspect outer surface of distributor cap for arcing and carbon tracking. See Fig. 1 (arrows).

If carbon tracking is present:

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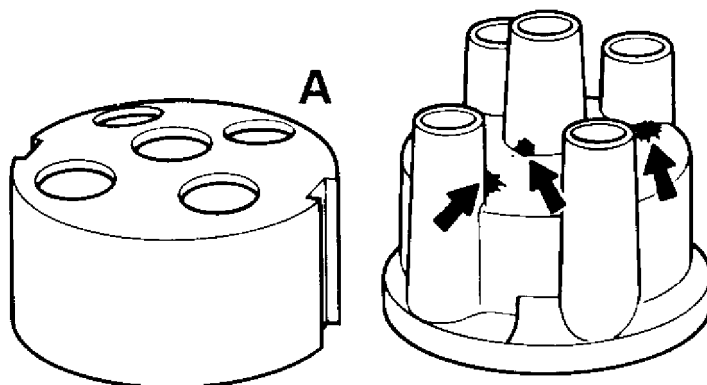
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- Install new distributor cap with suppressor (sold as an assembly).

NOTE: Before assembling cap, you may use a dielectric spray on the outer surface of the distributor cap and on the inner surface of the suppressor shield to further reduce the possibility of arcing.

- Reconnect ignition wires.



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Fig. 1: Distributor Cap With Carbon Tracking

END OF ARTICLE