

NEW COOLANT G 012 A8D A1

Article Text

1996 Volkswagen Golf
For Volkswagen Technical Site
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Friday, August 20, 1999 12:07AM

ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

NEW COOLANT

Model(s): Volkswagen, All Watercooled Models
Group: 19 - Engine - Cooling System
Bulletin No.: 96-01
Date: October 30, 1996

PRODUCTION

A new coolant, G 012 A8D A1 is being used in production as follows:

- * German production: from 07.96
- * Mexican production: running change scheduled for 01.97

Coolant G 012 A8D A1 is red in color.

This newly developed product permits a cooling system fill that lasts the service life of the engine and was designed with all-aluminum engines in mind.

ADVANTAGES

- * Improved corrosion protection
- * Improved thermal stability
- * Improved heat transfer/control
- * Improved hard water tolerance
- * Improved environmental protection

CAUTION: G 012 A8D A1 must NEVER be mixed with ANY other coolant.
Engine damage will result!

Contamination of G 012 A8D A1 with other colored coolants is identifiable by discoloration (brown, purple etc.). This mixture causes a foamy deposit to appear in the expansion tank/radiator.

This mixture is to be drained immediately and the cooling system flushed as described below.

FLUSHING PROCEDURE

Engine at operating temperature (older vehicles with heater valve: heater on).

- Drain coolant. See Repair Manual, General Engine, Repair Group 19.
- Apply compressed air to expansion tank or radiator to blow out remaining coolant.

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- Close cooling system, fill with distilled water.
- Run engine for a minimum of 2 minutes.
- Drain water and apply compressed air to expansion tank as before.
- Close cooling system and fill with appropriate mixture ratio of G 012 A8D A1 and distilled water. See Repair Manual, General Engine, Repair Group 19.
- Test drive, check coolant level and add if necessary.

NOTE: Coolant G 012 A8D 01 may be used in older vehicles when the original coolant is drained and cooling system flushed as described above.

- Inform customer that a new coolant is used and that ONLY water or G 012 A8D A1 be used to replenish.

CAUTION: * Never reuse old coolant when performing engine repairs.
* Dispose of old coolant properly.

Flushing as specified above, or engine damage resulting from the use of a mixture of G 012 A8D A1 and other coolants is not covered by the new vehicle warranty.

CAUTION: Part numbers are for reference only. Always check with your Parts Dept. for the latest parts information.

END OF ARTICLE