



# Technical Bulletin

Subject: **New Coolant**

Group: **19**

Number: **96-01**

Model(s): **All Watercooled**

**All m.y.**

Date: **Oct. 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 on next page.**



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## Flushing procedure:

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

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