

# 1968 Corvette: Service Bulletin: Inadequate Cooling

**Subject:** Inadequate Cooling

**Model and Year:** 1968 Corvette with 327 Cubic Inch Engine

**Source:** Chevrolet Service Technical Bulletin

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TO: ALL CHEVROLET DEALER

This bulletin is a supplement to Chevrolet Dealer Service Technical Bulletin 68-T-9.

Early 1968 Corvettes equipped with the 327 cu. in. engine may be subject to an engine overheating complaint.

The following changes have been made in production to provide improved cooling, effective with the serial numbers, as listed:

1. Added slots in the valance panel and a panel extension, No. 3932933, to increase air flow to the radiator, effective with Serial No. S400720.
2. A new fan clutch assembly, No 3857531, to raise the slip speed of the fan, effective with Serial No. S401344.
3. New pulleys and drive belts installed to provide a higher numerical fan to water pump drive ratio, effective with Serial No. S412213.

If engine overheating is experienced on earlier units with the 327 cu. in. engine, the above corrections should be made as outlined on the following pages. Obviously, other conditions can be involved in overheating and should be considered along with the changes recommended in this bulletin.

Chevrolet Motor Division  
General Motors Corporation

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## INADEQUATE COOLING - 1968 CORVETTE WITH 327 CUBIC INCH ENGINE

If engine overheating complaints are experienced, the following corrections should be made only on earlier units than those serial numbers indicated on page 1.

1. Cut out cooling slots in valance panel using template attached to bulletin 68-T-9. Locate slots per template instructions. Touch up raw edges of slots with body color.
2. Install lower valance panel extension, #3932933, using the extension as a template for drilling attaching holes.
3. Install the new fan clutch assembly, #3857531, and the new pulleys and drive belts as outlined on the following charts:

PULLEY CHANGES							
Engine	Crankshaft Pulley	Water Pump Pulley	A.I.R. Pump Drive Pulley	A.I.R. Pump Driven Pulley	A.I.R. Drive Pulley Spacer	P/S Drive Pulley	Fan Clutch
327 Base	3850838	3890419	3883235	No Change	3941122	3751232	3857531
RPO L-79 350 H.P.	No Change	3848904	3883235	No Change	3933184	No Change	3857531 Note 1
Base or L-79 w/ Air Cond.	3911013	3876846	3883235	No Change	3933186 3933184	3751232	3857531 Note 2

Note 1: For low speed complaints.

Note 2: Mandatory - All 327 air conditioned cars, base or L-79.

On cars with L-79 and air conditioning (no power steering) it will be necessary to remove the water pump and water pump rear cover; and using an arbor press, push the water pump hub 1/8" further back on the water pump shaft. Be certain that the shaft is firmly supported on the press anvil to prevent damage to the bearing.

BELT CHANGES					
Engine	"Captured" Belt (Between Crank and Water Pump Pulley)	Generator Drive Belt	A.I.R. Drive Belt	A/C Drive Belt	P/S Drive Belt
327 Base	3941116	3861946	3883252	--	3874424
L-79 350 H.P.	3935420*	3885047	3883252	--	3848255
Base or L-79 w/Air Cond.	None Used	No Change	3883252	No Change	No Change

\* Not used with Power Steering.

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