

# 1956 Corvette: Service Bulletin: Spark Plug Fouling - Idle Adjustment

**Subject:** Spark Plug Fouling - Idle Adjustment

**Model and Year:** 1956 Corvette - Dual 4-Barrel - Carter Carburetor

**Source:** Chevrolet Technical Service Bulletin

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TO: ALL CHEVROLET DEALERS

In cases where Spark Plugs are wet fouling on V-8 Engines used in 1956 Corvettes with dual 4-barrel carburetors being operated in Metropolitan Areas which put considerable limitation on their top speed, it may be necessary to install AC-46 Plugs to correct this condition.

AC-44 Plugs are to be furnished in production.

Range of plug should be tailored to the owner's requirements:

AC-44 Extreme High Speed Driving

AC-44 Medium High Speed Driving

AC-45 City Driving and Normal Operation

AC-46 Metropolitan City Driving Under Heavy Traffic Conditions

IDLE ADJUSTMENT - CARTER DUAL 4-BARREL

To obtain a consistent idle speed setting on V-8 Engines equipped with Carter 4-Barrel Carburetors with regular or racing camshaft, proceed as follows:

Engine Number Suffix -

GH Regular Camshaft

GU Racing Camshaft

- Set bypass idle screw on each carburetor 1-1/2 to 2 turns open. (Located on left rear corner of throttle body).
- Set both idle mixture screws on each carburetor one turn open.
- Obtain from Parts Stock and install throttle valve set screw #566247, spring #1451460, and washer #566255 on rear carburetor in threaded hole provided.
- Start engine and set throttle valve set screw for 600 RPM (regular camshaft) or 800-850 RPM (racing camshaft) as required.
- Adjust all idle mixture screws individually for best engine RPM.
- Reset throttle valve set screw to original RPM setting (600 or 800-850 RPM).
- Again adjust all idle mixture screws individually for best engine RPM.
- Reset throttle valve set screw to 600 or 800-850 RPM.
- Bypass idle screws on each carburetor need not be adjusted after initial setting in Step #1.

Online URL: <https://www.corvetteactioncenter.com/tech/knowledgebase/article/1956-corvette-service-bulletin-spark-plug-fouling-idle-adjustment-975.html>