

CADILLAC MOTOR CAR DIVISION  
GENERAL MOTORS CORPORATION

March 31, 1953

Subject: Specifications for Conversion of 1953 Cadillac Engine  
to DRE Hi-Output Engine

1. DRE Aluminum dual carburetor intake manifold.
2. Two 1953 Cadillac Rochester Products model 4 CC carburetors part #7005100 with following modifications. (\*)
  - a. .052" primary metering jets (0.049")
  - b. .028" power jets (0.038")
  - c. .059" secondary metering jets (0.061")
  - d. .026" pump discharge jets (0.024")
  - e. .043" dia. wire pump actuating springs (0.039")
  - f. 1-1/16" pump rod setting (15/16)  
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  - g. .062" choke rod setting (0.031")
  - h. 3/16" choke unloader setting (0.067")
  - i. Install 22° vacuum break choke piston (16°)
  - j. Remove front carburetor fast idle screw.
  - k. Idle adjusting screws approximately 1/4 turn off seat.
  - l. Machine or grind 3/32" off end of rear carburetor fast idle screw, retaining original small end dia. Adjust fast idle to 1700 RPM on rear carburetor.
  - m. Plug spark advance hole in front carburetor with 1/8 pipe plug, connect spark vacuum to rear carburetor.
3. Dual 1951 exhaust mufflers.
4. Dual Hellings air cleaner.

(\*) Items in parenthesis are 1953 specifications.

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