

# CHEVROLET—CENTRAL OFFICE

DIVISION OF GENERAL MOTORS CORPORATION  
DETROIT 2, MICHIGAN

ATTENTION:  
SERVICE MGR.



## TECHNICAL SERVICE BULLETIN

Technical Service Department



SUBJECT: ENGINE DUST PROTECTION  
1961-63 CORVAIR AND CORVAIR "95"

BULLETIN NO. DR # 616

SECTION I (Cross Ref. VI, VIy)

TO: ALL CHEVROLET DEALERS

DATE October 10, 1963

To minimize dust entry into the engine compartment and to provide additional engine protection when operating in extremely dusty areas, the following parts have been released and body sealing procedures established:

- . Heavy-duty oil bath pre-cleaner and paper element air cleaners
- . Distributor dust shield to prevent breaker point dust contamination

Where subject vehicles are operated under heavy dust conditions, considerably improved engine protection may be attained by installing the oil bath pre-cleaner, distributor dust shield and following the engine compartment sealing procedure as outlined on the following pages of this bulletin. NOTE: It is recommended that engine compartment dust sealing procedures shown on Page 4 be completed before installing oil bath pre-cleaners.

The oil bath pre-cleaner has been available as an option since the start of 1963 Production on Corvaire "95" Models, and since May 8, 1963, on 5-7-900 Corvairs (except Air Conditioned and Turbocharger units).

Corvaire and Corvaire "95" Models operating in dusty areas should be equipped with the paper element air cleaners, Part No. 5649798 whether or not the oil bath pre-cleaner is used.

Director, Technical Service Department

ADJ/afm

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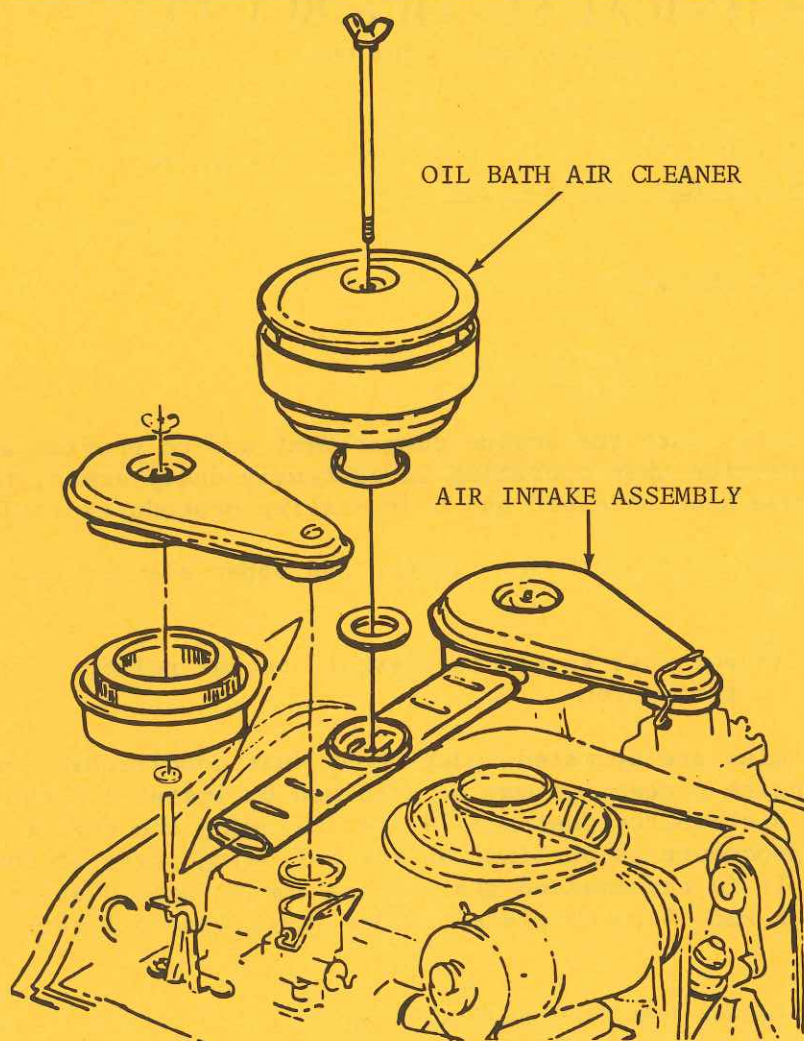
INSTALLATION INSTRUCTIONSOil Bath Pre-cleaner Unit 3846971 - 1961-63 Corvair 5-7-900 Figure 1

FIGURE 1

1. Remove spare wheel and tire assembly.
2. Remove air cleaner wing nuts, unsnap carburetor to air cleaner clamps and remove air cleaners and the air intake assembly.
3. Remove air cleaner covers and discard the polyurethane element and support assemblies. Discard the air intake assembly.
4. Remove and discard the air cleaner to carburetor gaskets and air cleaner to stud gaskets.
5. Clean all accumulated dirt and grime from the air cleaner bodies and covers.
6. Install new air cleaner to carburetor gaskets and air cleaner to stud gaskets.

7. Install new air cleaner elements (paper) in air cleaner bodies and position air cleaner covers onto air cleaners.
8. Install new air intake assembly in place between air cleaners and place on engine as a unit.
9. Install air cleaner wing nuts and clamps.
10. Position oil bath air cleaner on air intake gasket in place on the air intake assembly.
11. Add one (1) pint of engine oil (S.A.E. 50 for above freezing weather or S.A.E. 20 for below freezing weather) in oil bath air cleaner and install with air cleaner stud onto air intake assembly.
12. Install the two pressure sensitive servicing labels over the existing servicing labels on the dry air cleaners.
13. Install spare wheel and tire assembly.

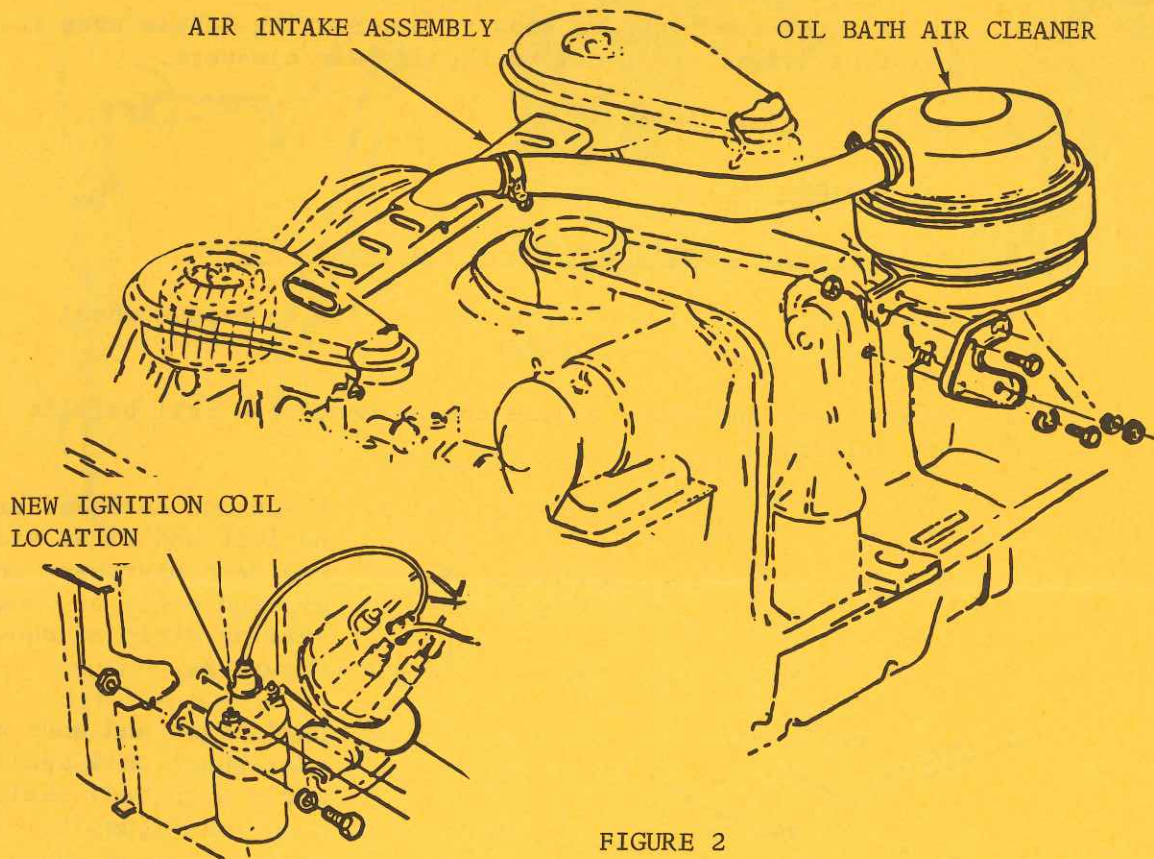


FIGURE 2

Oil Bath Pre-cleaner Unit 3846972 - 1961-63 Corvair "95" Figure 2

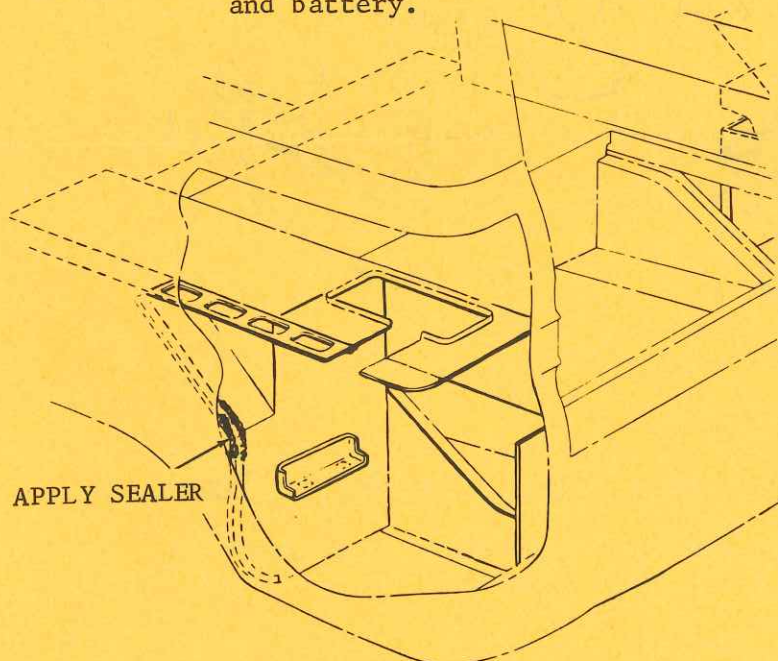
1. Remove engine access cover and follow steps 2 through 9 listed under Corvair Pre-cleaner Unit 3846971.

2. Remove and relocate ignition coil to the engine rear mounting crossmember brace assembly with attaching parts as shown in Figure 2.
3. Discard the distributor to ignition coil high tension cable and install new one included in unit.
4. Install air cleaner support bracket with attaching parts in location formerly occupied by ignition coil as shown in Figure 2.
5. Install air cleaner support around the bottom portion of oil bath air cleaner and assembly to air cleaner support bracket with attaching parts as shown in Fig. 2.
6. Remove oil bath air cleaner wing nut, remove cover and add one (1) quart of engine oil (S.A.E. 50 for above freezing weather or S.A.E. 20 for below freezing weather). Replace cover and wing nut.
7. Assemble air cleaner to air intake hose with two hose clamps.
8. Install the two pressure sensitive servicing labels over the existing servicing labels on the dry air cleaners.
9. Install engine access cover.

#### SERVICE INSTRUCTIONS

##### Engine Compartment Sealing - 1961-63 Corvair "95"

1. Remove rear wheels and clean wheel wells to expose wheel well sealing strip and sealer.
2. Remove left and right engine compartment side rail baffles and battery.



3. Clean out enclosed areas on left and right side of engine compartment and seal exposed edges of wheel well sealing strip as shown in Figure 3.
4. Seal edges and ends of the rear wheel well sealing strip with body sealer as shown in Figure 4. Inspect critical areas shown and apply sealer where necessary.

Figure 3

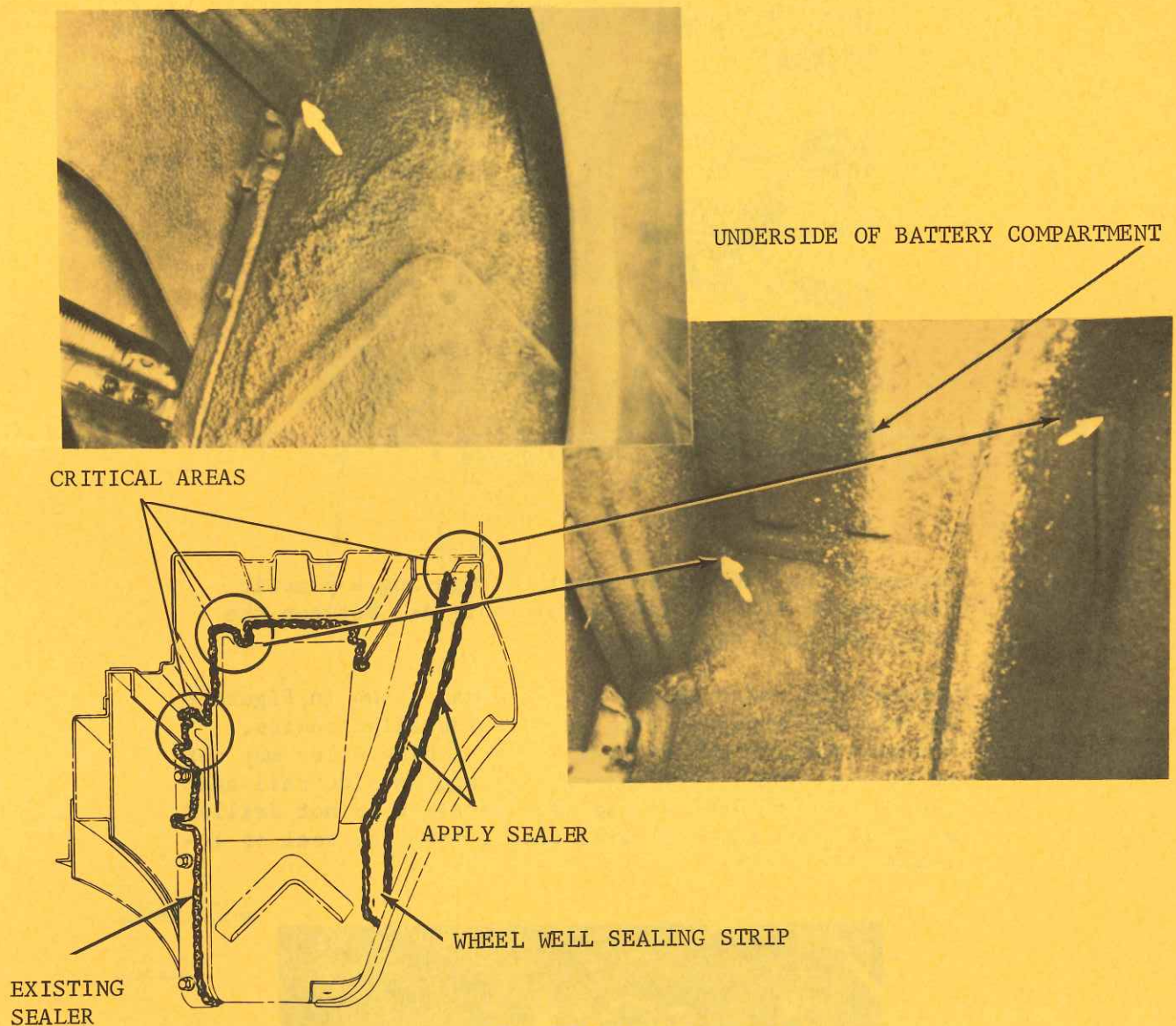


FIGURE 4 - WHEEL WELL SEALING AREAS  
(LEFT REAR WHEEL WELL SHOWN)

5. Inspect engine compartment for leak locations and seal with non-hardening sealer where necessary. Figure 5 shows three locations on each side of the engine compartment which are likely sources of dust leaks.
6. It is important that the rubber strip seals which engage the body around the engine be securely seated in place. If the engine has been removed, make certain that all seals are reinstalled in their respective slots.
7. All engine access cover bolts should be installed and tightened.

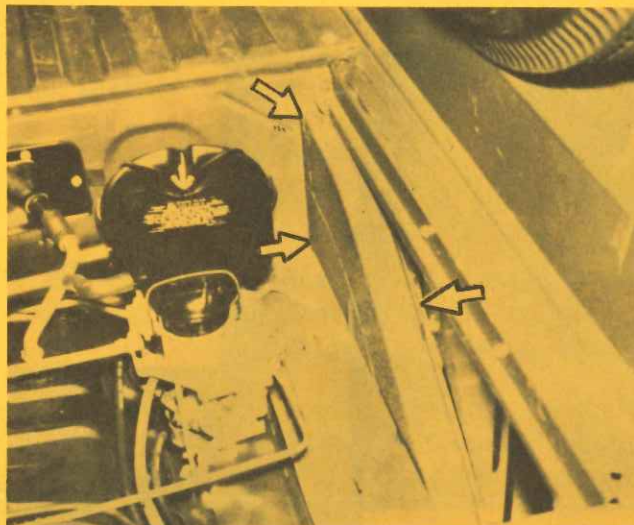


FIGURE 5

Improved sealing may be obtained by using a plastic seam cement such as used on windshields, between the seals and seal retainers.

8. Inspect the radio ground strap bolts, shown in Figure 6, on vehicles equipped with factory-installed radios. The possibility exists that the attaching holes may not be drilled completely through the engine side rail and the seal retainer. If the seal retainer is not drilled, an opening in the seal will result when the seal is installed.

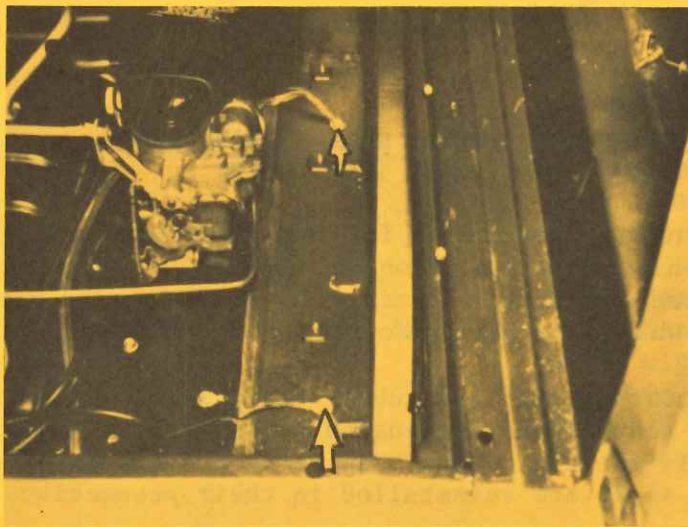


FIGURE 6

Distributor Dust Shield - 1961-63 Corvair and Corvair "95" - Figure 7

Remove distributor cap and install Part No. 1960325 dust shield and Part No. 1962621 boot as shown in Figure 7.

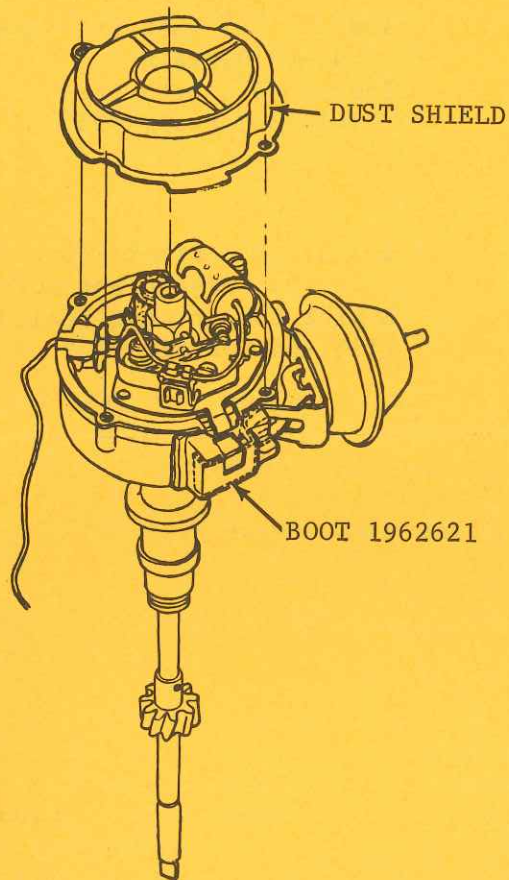


FIGURE 7

PARTS DATA

<u>Part No.</u>	<u>No. Required</u>	<u>Description</u>
3846971	1	Oil Bath Pre-cleaner Unit - 1961-63 Corvair - except Air Conditioned & Turbocharger
3846972	1	Oil Bath Pre-cleaner Unit - 1961-63 Corvair "95"
1960325	1	Shield - Distributor - 1961-63 Corvair and Corvair "95"
1962621	1	Boot - Vacuum Control - 1961-63 Corvair and Corvair "95"

FLAT RATE

<u>TIME</u>	<u>DESCRIPTION</u>
.4 Hr.	Install Oil Bath Pre-Cleaner Unit 1961-63 Corvair
.9 Hr.	Install Oil Bath Pre-Cleaner Unit 1961-63 Corvair "95"
Combinations:	
.2 Hr.	Install Distributor Dust Shield and Boot 1961-63 Corvair and Corvair "95"
1.3 Hr	Engine Compartment Sealing 1961-63 Corvair "95"