

# DISTRIBUTION - FRONT

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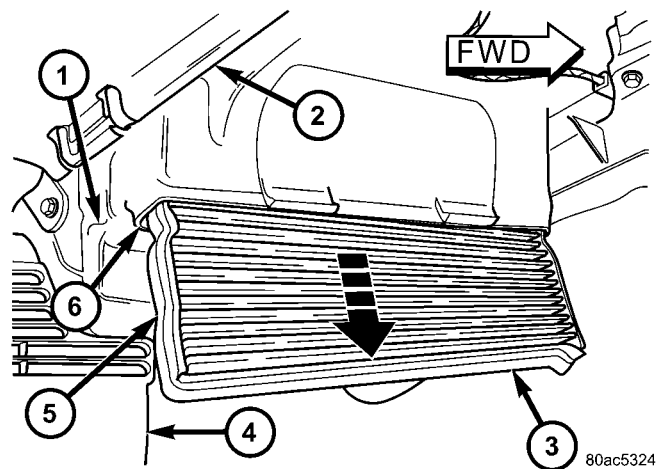
## AIR FILTER

### DESCRIPTION

A dust and odor air filter is standard equipment on models equipped with the three zone temperature control systems (Fig. 1). The filter element is the same size as the front air conditioner evaporator to ensure ample filtering capacity. A removable door on the bottom of the front HVAC housing below the glove box provides easy access to the filter element for replacement. The filter should be checked and replaced at least once every 24,000 km (15,000 miles) and checked if heater-A/C system performance seems lower than expected.

### REMOVAL

- (1) Locate the air filter door on the bottom of the lower HVAC housing just outboard of the passenger side of the instrument panel center stack (Fig. 2).
- (2) Slide the air filter door latch toward the rear of the vehicle until it engages the opened stop on the door.



**Fig. 1 Air Filter - LHD Shown, RHD Typical**

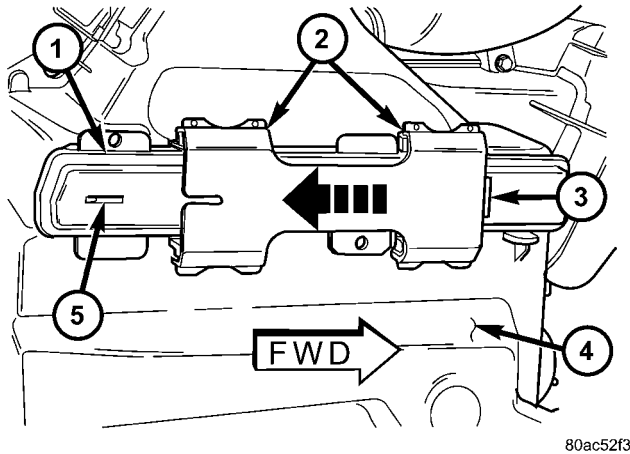
- 1 - LOWER HVAC HOUSING
- 2 - LOWER EDGE OF INSTRUMENT PANEL
- 3 - AIR FILTER (IF EQUIPPED)
- 4 - CENTER FLOOR BRACKET COVER
- 5 - FILTER SEALING EDGES (IF EQUIPPED)
- 6 - AIR FILTER OPENING (IF EQUIPPED)

## AIR FILTER (Continued)

(3) Pull the air filter door straight downward to disengage it from the air filter opening of the lower HVAC housing.

(4) Use your fingers to reach through the air filter opening of the lower HVAC housing far enough to grasp the air filter.

(5) Pull the air filter straight down and out of the HVAC housing.



**Fig. 2 Air Filter Door - Typical**

- 1 - AIR FILTER DOOR
- 2 - LATCH
- 3 - CLOSED STOP
- 4 - LOWER HVAC HOUSING
- 5 - OPENED STOP

## INSTALLATION

(1) Note the "Airflow" directional arrow imprinted on the foam seal around the frame of the air filter. This arrow should always be oriented towards the center of the vehicle.

(2) With the air filter "Airflow" arrow properly oriented, carefully slide the filter fully upward into the HVAC housing through the air filter opening.

(3) With the latch still positioned against its opened stop, reinstall the air filter door onto the lower HVAC housing air filter opening.

(4) Slide the air filter door latch toward the front of the vehicle until it hits the closed stop on the door.

## AIR OUTLETS

### DESCRIPTION

Based upon the system mode selected, conditioned air can exit the front HVAC housing through one or a combination of the four main housing outlets: defrost, demist, panel, or floor. Once the conditioned air exits the unit housing, it is directed through molded plastic ducts to the various outlets in the vehicle interior. These outlets and their locations are as follows:

- **Defroster Outlet** - A single, centrally mounted outlet delivers air for defrosting the large windshield. Because outlet vanes are not needed to direct flow, a simple, integral grid is molded into the center of the instrument panel top cover to prevent objects from falling into the duct. If the defroster outlet is faulty or damaged, the instrument panel top cover must be replaced.

- **Demister Outlets** - There are two side window demisters that aid in defogging and defrosting the front door windows. One demister outlet is located at each outboard end of the instrument panel top pad, near the belt line at the A-pillars. The demister outlets can be removed from the top pad individually for service replacement.

- **Instrument Panel Outlets** - There are five panel outlets in the instrument panel, one located near each outboard end of the instrument panel facing the rear of the vehicle, and three located near the top of the instrument panel center bezel. On models with manual temperature control, all five of these outlets are fully adjustable. On models with Automatic Temperature Control (ATC) system, the center outlet in the center bezel has fixed vanes because it also houses the remote infrared temperature sensors for the front seat positions. The outboard outlets can be removed individually for service replacement. The center bezel outlets are serviced as a gang of three outlets and, on models with ATC, also includes the infrared sensors.

- **Front Door Rear Outlets** - A fully adjustable outlet located at the rear of each front door trim panel supplies only cooled air to the intermediate seat passengers. Air is supplied to these outlets from the instrument panel through ducts in the doors that use molded seals at the instrument panel to prevent air leakage. The door ducts are integral to the front door trim panels. These outlets also incorporate a red reflector to improve the safety and visibility of an opened front door to traffic approaching the vehicle from the rear at night. These outlets can be removed from the door trim panels for service replacement.

- **Front Floor Outlets** - There are two front floor outlets, one located above each side of the floor panel center tunnel below the instrument panel. These outlets are integral to the front HVAC distribution housing.

- **Rear Floor Outlets** - Wide rear floor outlets located under each front seat have integral, fixed directional dividers to distribute heated air across the floor for intermediate seat passengers. These outlets are integral to the floor distribution ducts routed under the front floor carpet from an outlet nozzle on the bottom of the front HVAC distribution housing.