Bill of Materials for 77070045

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MOPAR Cold Air Box
Air Filter Assembly
Rubber Edge Trim
Air Filter Adaptor Tube
Hose Adaptor, Straight 3/4" to 5/8"
M6 x 16mm Bolt
Aluminum Threaded Boss
Hose Clamp, #52
Hose Clamp, #56
Elbow Hose 3.25" ID
Hump Hose 3.25"-3.5" ID
MOPAR Air Intake Tube; Throttle Body
MOPAR Air Intake Tube; Air Box
Straight Hose 3.5" ID
1/2" ID Grommet
Hose 5/8" ID x 2"
Hose Adaptor, Elbow 5/8"
Blanking Plug
Installation Instructions
CARB EO Decal
### INSTALLATION INSTRUCTIONS

**COLD AIR INTAKE KIT**

2011 CHRYSLER 300C 3.6L V6  
2011 DODGE CHARGER 3.6L V6  
2011 DODGE CHALLENGER 3.6L V6  

PART NUMBER 77070045

**IMPORTANT:**

This kit includes a Dry Filter. DO NOT APPLY ANY OIL TO THIS FILTER! See step 5 for cleaning instructions.

Read and understand these instructions **BEFORE** attempting to install this product.

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1) **Getting Started**

   a) Make sure vehicle is parked on a level surface.

   b) Set parking brake.

   c) Disconnect negative battery terminal.

   d) If engine has run within the past two hours let it cool down.

2) **Removing the stock air intake system**

   a) Your stock air intake system should look like this.

   b) Remove the engine cover by pulling straight up.
c) Release the wire harness clip to the IAT (intake air temp) sensor by gently pressing the tab.

d) With the tab depressed, detach the clip from the IAT sensor. Do not remove the sensor at this time.

e) Loosen the hose clamp at the throttle body.

f) Loosen the hose clamp at the air box.
g) Detach and remove the factory air intake hose from the throttle body and air box.

h) Detach the valve cover breather hose from the air box.

i) Loosen and remove the M6 bolt securing the air box. The M6 bolt will be reused.

j) Pull the air box straight up to remove it from the engine bay.
3) Installing the MOPAR Cold Air Intake
   a) When installing the MOPAR Cold Air Intake System, DO NOT completely tighten the hose clamps or fasteners until instructed to do so later in these instructions. Check to see that the inside of the inlet tubes and air filter are clean and free from any foreign objects and/or obstructions.

   b) Remove the rubber grommet from the factory air box. The grommet will be reinstalled on the MOPAR cold air box.

   c) Remove the rubber bushing from the bottom of the factory air box. The rubber bushing will be reinstalled onto the MOPAR cold air box.

   d) Install the rubber grommet removed from step 3b) onto the MOPAR cold air box.

   e) Install the supplied aluminum threaded boss to the bottom of the MOPAR cold air box with a M6 bolt.
f) Install the rubber bushing removed in step 3c) onto the aluminum threaded boss installed in step 3e).

h) Install the supplied rubber edge trim around the top opening of the MOPAR cold air box.

i) Install the MOPAR cold air box into the engine bay. **Note:** Make sure the rubber grommet lines up with the tab on the core support and the rubber bushing is fully seated to the inner fender.

g) Install the air filter adaptor to the MOPAR cold air box with four supplied M6 bolts and apply the blanking plug to the unused hole next to the filter adaptor.
j) Secure the MOPAR cold air box to the core support with the factory M6 bolt removed from step 3i).

k) Assemble the supplied fittings and 5/8" ID hose as shown.

l) Insert the hose-fitting assembly into the air filter and install the air filter into the MOPAR cold air box.

m) Adjust and align the air filter assembly for clearance then tighten the hose clamp. The vent fitting will go through the cut out in the air box.
n) Connect the valve cover breather hose to the vent fitting from the air box.

o) Locate the throttle body air intake tube and install the supplied rubber grommet into the hole.

p) Locate the IAT (intake air temperature) sensor on the factory air intake hose. Twist and pull to remove it from the tube.

q) With a suitable tool such as a pick, remove the O-ring from the IAT sensor.
s) Install the supplied angled hose adaptor and 2 #52 hose clamps onto the throttle body as shown. **Note:** the smaller end of the hose goes on the throttle body.

r) Insert the IAT sensor into the grommet so the sensor probe is in the air flow path as shown. **Note:** the orientation of the sensor probe inside the tube does not affect performance.

t) Loosen but do not remove the M6 bolt on the passenger side valve cover.

u) Install the throttle body air intake tube to the throttle body hose and slide the support bracket between the M6 bolt and valve cover. **Note:** Do not completely tighten the M6 bolt until desirable tube placement is achieved.
v) Install the 3 ¼" ID end of the supplied hump hose onto the throttle body air intake tube along with a #52 and #56 hose clamp.

w) Install the 3 ½" ID straight hose onto the air filter adaptor along with 2 #56 hose clamps.

x) Install the air box intake tube. Please note that the end with the slight bend goes to the air box.

v) Lastly, connect the IAT sensor harness to the IAT sensor.
4) Re-Assemble the vehicle.

a) Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tight.

b) Re-check clearance for all hoses especially the valve cover breather to engine cover clearance and tighten all hose clamps.

c) Reconnect negative battery terminal.

d) Start engine. Let car idle for 3 minutes. Perform a final inspection before driving the vehicle.

w) This is how the MOPAR Cold Air Intake system should look.
5) Dry Filter cleaning procedure

(It is recommended that you service your MOPAR air filter every 20,000 miles for optimum performance.)

a) Remove filter from intake pipe and set the filter clamp aside.
b) Measure the length of the filter media.
c) Fill a pail with warm clean water to the depth determined in Step b. Add a mild household detergent to the water.
d) Without allowing the solution to flow into the filter neck, submerge the filter into the water and let it soak for 10 minutes. After soaking, rotate the filter back and forth to agitate the water and knock off dirt.
e) Empty the bucket of dirty water. Repeat steps C and D.
f) Refill the pail with clean warm water and rinse by rotating the filter as in step D. The water should be clear with no signs of dirt in the pail.
g) Allow the filter to air dry. **DO NOT APPLY ANY OIL TO THIS FILTER.** Re-install the filter on the intake system once it is dry.

![Diagram of dry filter cleaning procedure](image-url)

*For technical assistance regarding MOPAR Cold Air Intake Systems, please call toll-free 1-888-528-HEMI (528-4364).*