



PI-408 • 02/12

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Installation Instructions

ipd Catback Oval Tube Exhaust System S60R (2004-2007), V70R (2004-2007) ipd #120056



SUGGESTED TOOLS

- Metric Sockets/Wrenches
- Small Crowbar, Exhaust Hanger Tool
- Common Hand Tools

SAFETY WARNINGS



- Always support the vehicle with jack stands before working underneath
- Use only the parts supplied by ipd to install this kit
- Check ALL the fasteners for tightness before and after road testing the vehicle
- Do not use air impact wrench when re-installing bolts as stripped threads may result

REMOVAL

- 1 Remove the two bolts on the downpipe flange.



REMOVAL

- 2 R models have a center exhaust bracket, most of these brackets have been removed. If the bracket is still on your vehicle, make sure and remove this bracket before installing the ipd exhaust system. You may choose or choose not to reinstall this bracket once the exhaust is installed. NOTE: R owners usually remove this bracket as it can catch on driveway skirts and speed bumps and be pushed up into the exhaust and driveshaft causing serious damage.



- 3 Using a small crowbar or exhaust hanger tool, disconnect the factory exhaust from the two rear exhaust hangers (see image A below). Disconnect the last exhaust hanger holding the rear muffler assembly (see image B below). Once all the exhaust hangers have been released, you can remove the exhaust out from under the car as a whole unit.



INSTALLATION

- 1 Using the supplied hardware, install your new flange gasket and front flange adapter to the back of your downpipe. Using a 13mm socket and wrench snug the front flange adapter to the back of the downpipe. We'll be tightening this flange shortly.



Supplied Flange Gasket Installed Here

INSTALLATION

- 2 Install the front resonator by slipping it over the front flange adapter. Install one of your exhaust band clamps loosely before attaching the resonator to the front flange adapter. The resonator can only be installed one way. Leave this section loose, we'll be adjusting this section for final fitment shortly.



- 3 Moving back to the rear subframe, there's one bolt that holds each muffler hanger bracket. Using a socket wrench, remove the two muffler hanger brackets from the vehicle. Leave the hangers attached to the bracket.

- 4 Attach each hanger to the back of the intermediate pipe.



Note: Our instructions show ipd HD hangers, this step still works with factory muffler hangers.

INSTALLATION

- 5** Slip the intermediate pipe over the back of the resonator. Make sure you have one of your band clamps already in position loosely over the intermediate pipe before attaching it to the resonator (see *image A below*). Using a socket wrench reinstall both muffler hanger brackets that are attached to the intermediate pipe. Do not tighten the muffler brackets all the way yet, we'll leave them loose until we make our final adjustments shortly. NOTE: When you have the muffler hanger brackets installed correctly the bracket tabs are located above the tabs on the intermediate pipe (see *image B below*).



- 6** With the muffler hanger still on the vehicle, hang the rear muffler. Once you connect the rear muffler hanger, slip one exhaust band clamp loosely over the end of the intermediate pipe. Now you can feed the intermediate pipe into the rear muffler assembly.



INSTALLATION

- 7** Moving back to the front of the exhaust, using a 13mm socket and wrench, tighten the front flange adapter to the back of your downpipe. As you start tightening things up, you'll notice the exhaust will move up into its natural position.



- 8** Using a 15mm socket, tighten the front resonator to the front flange adapter. Position your band clamp about 1/4" back from the front of the resonator before tightening.

Note: For SEDAN models, we recommend you seat the resonator as far forward as it can go on the front flange before tightening.

For WAGON models we recommend moving the resonator back about 1/2"-3/4" from it being completely seated.



- 9** Using a 15mm socket, tighten the front of the intermediate pipe to the back of the resonator. Position your band clamp about 1/4" back from the end of the intermediate pipe.

Note: For SEDAN models, we recommend you seat the intermediate pipe as far forward as it can go on the back of the resonator before tightening.

For WAGON models we recommend moving the intermediate pipe back about 1/2"-3/4" from it being completely seated.



INSTALLATION

- 10** Using a socket wrench tighten down both muffler hanger brackets. These muffler brackets allow you to slightly adjust the hanger forward and back if needed.



- 11** Adjust the rear muffler where the rear elbow is angled appropriately so the tip can exit the rear bumper. Once the rear muffler is aligned properly, position the band clamp about 1/4" back from the end of the muffler inlet. Using a 15mm socket tighten the clamp.



- 12** When installing the tip make sure you have the last band clamp already in position loosely before you slide the tip over the rear muffler elbow. You can adjust the tip by sliding it over the rear muffler elbow. The elbow will slide all the way into the chamber of the tip assembly allowing maximum adjustability.



INSTALLATION

- 13** The tip has enough adjustability where it will slide all the way down against the rear muffler hanger. This allows sedan owners to ability to keep their tips a bit more discrete. The tips can also be adjusted further out on the elbow allowing the tips to become more visual.

Note: The tip shouldn't be recessed more than $\frac{1}{2}$ an inch to prevent any possibility of melting the bumper cover.



Exhaust tip is fully seated against rear exhaust hanger.

- 14** With the adjustability in the front flange, front resonator, front intermediate pipe, and rear tip assembly, this allows any sedan or wagon owner to set up their tips in relation to the rear bumper. Once you've positioned the tips where you want them, use a 15mm socket and tighten the band clamp.



- 15** **Note:** When you install on Sedan Models rear muffler hanger will be at a slight angle. On wagons the rear muffler hanger will be vertical.



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