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# Installation Instructions

**Charge Air Pipe**  
models 2001-2009 S60 turbo,  
2001-2007 V70/XC70 turbo  
ipd #120705,120706



## SUGGESTED TOOLS

- Common hand tools
- Socket wrench set
- Torx 25 and 30

## SAFETY WARNINGS



- 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 upper engine carrier by removing the two 14mm bolts on each side shown. Use a 15mm and 18mm wrench to remove the bolt through the upper engine mount.



## REMOVAL

- 2** The early cars with the aluminum pipe have a 10mm head at the rear of the pipe and a torx 25 at the front of the pipe. Later cars (plastic pipe) only use the torx bolt. Remove both.



Torx 25 shown



10mm shown

- 3** Using a long flatblade screwdriver or 7mm socket wrench, loosen the hose clamp that attaches the elbow hose to the intercooler.



- 4** Most applications have a hose clamp that connects the pipe step hose adapter to the turbo. 2004-05 R models use a V-band style attachment that can be loosened with a torx 30.



V-band shown here

## REMOVAL

- 5 For 2004 and 2005 R owners, once the V-band has been disconnected, remove the pipe from the vehicle.

For all other models, once the standard hose clamp has been loosened, remove the pipe from the vehicle.

Remove the pipe from the engine bay. This may require some creative maneuvering. Be careful that debris/hardware is not dropped into the turbo outlet.

NOTE: There is a clip at the back of the pipe that supports the O2 sensor wire. Remove the wire from the clip before removing the pipe.

## INSTALLATION

- 1 For 2004-2005 R models only, insert the adapter in the turbo outlet. All other models proceed to step 3.

ipd V-band adapter sold seperately.

Reinstall the original V-band clamp and tighten using a torx 30.



- 2 For 2004-2005 R models, remove the loose hanger clamp for the power steering line that was under the charge air pipe support bracket secured with a torx screw.



# INSTALLATION

- 3 Install the billet aluminum ipd pipe support bracket to the manifold parallel to the engine using the supplied bolt and a 4mm allen wrench.



- 4 Install the new silicone charge air pipe in the same position as the original pipe. Do not put the ends onto the intercooler or turbo until the clamps are positioned on the hose.

- 5 Using the supplied clamp, install and tighten the intercooler end of the pipe.

- 6 Temporarily install the turbo end of the pipe and rest the engine carrier back in position to check clearance. The turbo end of the charge air pipe may require shortening to achieve the fit and look you prefer. This trimming will vary widely with different turbo applications and models.



# INSTALLATION

- 7 If you wish to lower the back end of the pipe to achieve better clearance, the last several inches of the pipe are not reinforced and easily trimmable with a clamp for straight edge and sharp razor knife.

This step may require several small cuts to ensure proper clearance.



- 8 Using the supplied hose clamp, tighten the clamp at the turbo when you have achieved the clearance you wish.



- 9 Reinstall the upper engine carrier.

# WARRANTY

## ***One Year Limited Warranty***

ipd warrants to the original purchaser that the parts manufactured and/or sold by ipd (the Product) is free from defects in material and workmanship under normal use. ipd warrants that the Product will perform substantially in accordance with the specifications set forth in the documentation provided with it. The above express warranties are made for a period of the lesser of 12,000 miles or 12 months from the date the Product is installed in your vehicle.

Any improper use, operation beyond capacity, substitution of parts not approved by ipd in writing, any alteration or repair by others, or any removal, defacing or altering of the identification shall void this warranty. There is no warranty on high-performance or race related parts due to the nature of usage.

The purchaser shall notify ipd at 1-800-444-6473 of any defect within the warranty period no later than thirty (30) days after purchaser discovers the defect. Should any failure to conform to this warranty appear within the warranty period, ipd shall, on notification, correct the nonconformity at its option, either by repairing any defective part, or by making available, FOB ipd's plant, a repaired or replacement part. The purchaser must insure any defective item being returned because ipd does not assume risk of loss or damage while in transit. No payment or reimbursement shall be made for installation, removal, transportation or other charges. The remedies set forth in this instrument are exclusive, and the liability of ipd with respect to any sale shall not exceed the price of the product on which the liability is based.

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