



INSTALLATION INSTRUCTIONS
STILLEN FRONT BRAKE COOLING DUCTS
2009+ NISSAN 370Z
P/N 308360/308960

Materials supplied:

1. (10) Zip Ties
2. (4) Hose Clamps
3. (2) Brake Duct Hose
4. (2) Brake Shields
5. (2) Front Brake Ducts (Stock Fascia Only)
6. (2) Washers 1" OD (Stock Fascia Only)
7. (8) Shims

Equipment needed:

- +,- Screwdriver
- Assorted sockets/ratchets



WARNING:

**IF YOU ARE NOT EXPERIENCED IN THE AREA OF
AUTOMOTIVE MECHANICS WE STRONGLY URGE THAT
YOU REFER THIS INSTALLATION TO YOUR MECHANIC.**

INSTALLATION

1. First you will begin by jacking up the front end of the vehicle. Look in your owners manual for proper jackpoints. Be sure to block the rear wheels.
2. Begin by unbolting and removing the splash pan giving you access to the front end of the fascia. It is secured by various plastic clips and 10 mm bolts.
3. Remove the front wheels and set aside.
4. Unbolt the ABS sensor and tie it out of the way until you are done swapping over the brake shields. See **(Fig.1)**
5. Unbolt the caliper and hang it out of the way making sure to support the caliper. Remove the rotor and set aside.
6. Next you will be unbolting the hub. You will need to unbolt the 4 bolts on the rear. See **(Fig.2)**
7. After unbolting the hub you will need to set it aside and remove the stock brake shield.

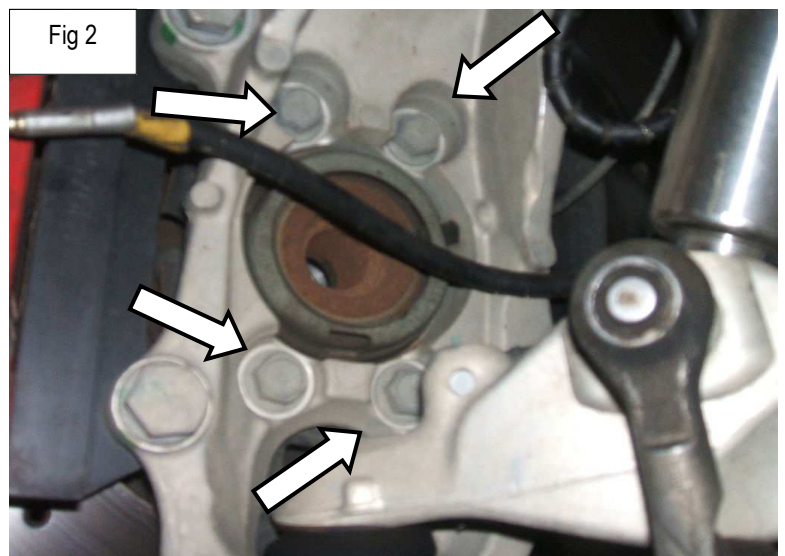
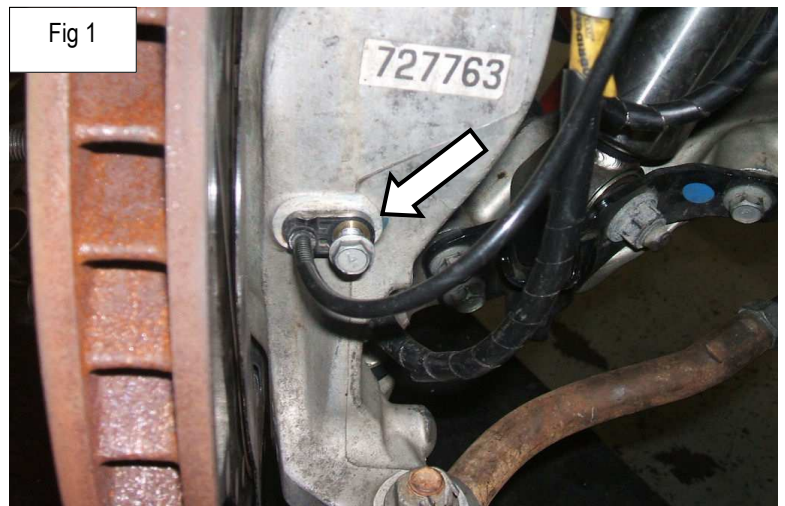
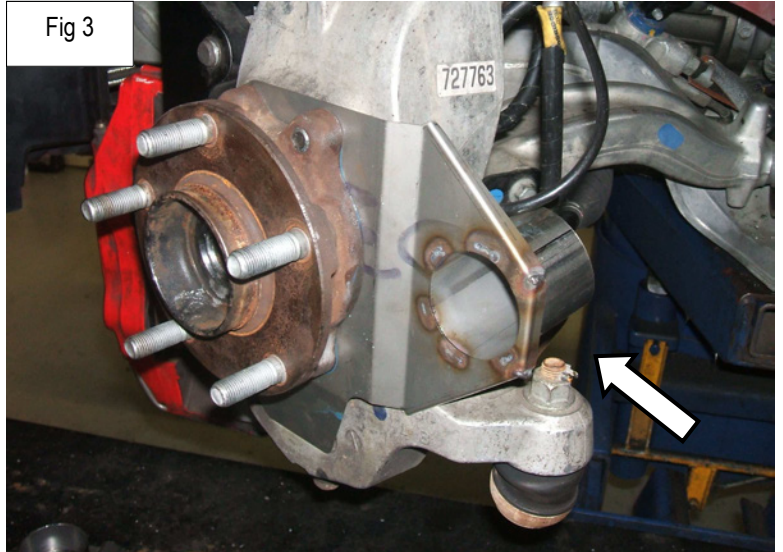




Fig 3



8. Replace the stock brake shield with the provided shield as shown in **(Fig.3)** The outlet needs to be installed with it on the opposite side of the caliper. **NOTE: Due to vehicle variances from the factory you may need to use the supplied shims for proper spacing.**

Fig 4



9. Reinstall your hub as previously removed. It is recommended to use blue loctite when reinstalling / setting torque of the bolts to 65 ft lbs . Reinstall the ABS sensor at this time as well.

10. Next you will need to replace the stock front cover off to the side of the center of the fascia. You will need to unbolt the 2 screws and set the upper clip aside as they will be reused. See **(Fig.4) NOTE (STOCK FASCIA ONLY)**

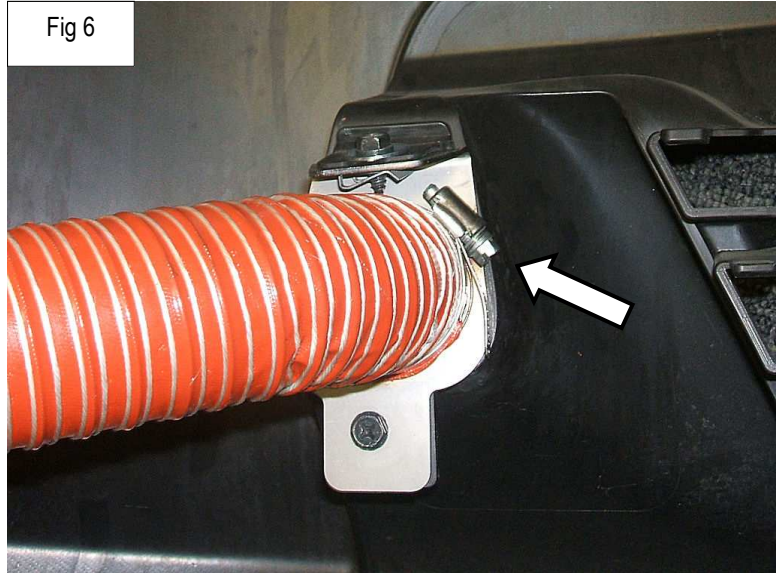
Fig 5



11. Using the provided front duct bracket install it in place of the stock cover. Swap over the upper clip and reuse the stock screws. See **(Fig.5)**

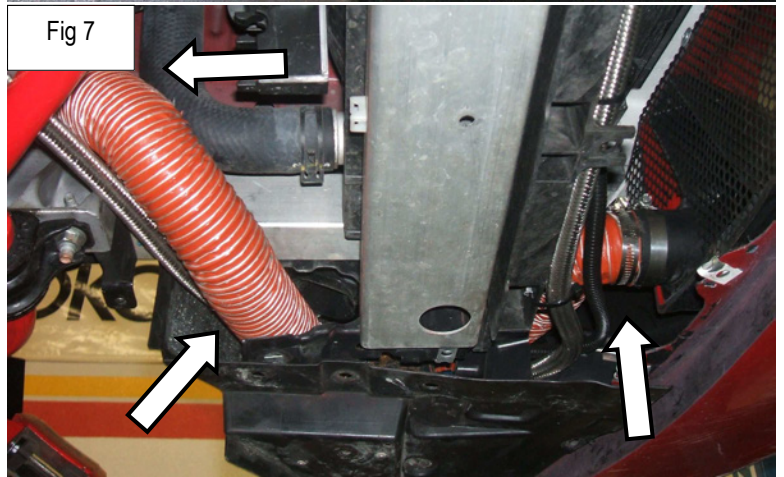


Fig 6



12. Install the hose onto the front duct as shown using the provided hose clamp. You will be doing the same on the opposite side. See (Fig.6)
NOTE (THE DUCT HOSE ON THE STILLEN FASCIA ATTACHES TO THE PREMOLDED DUCT)

Fig 7



13. Begin by routing the brake duct hose from the front end of the fascia through the open area in front of the wheel well. See (Fig.4) You will route the end of the hose through the opening into the wheel well. You will need to pop off the small panel held on by plastic clips to give you your clearance hole. See (Fig.5)

Fig 8

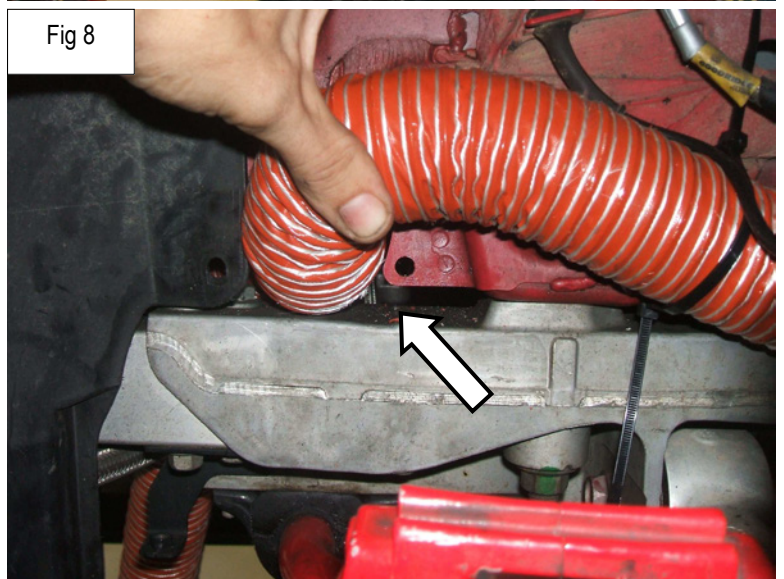




Fig 6

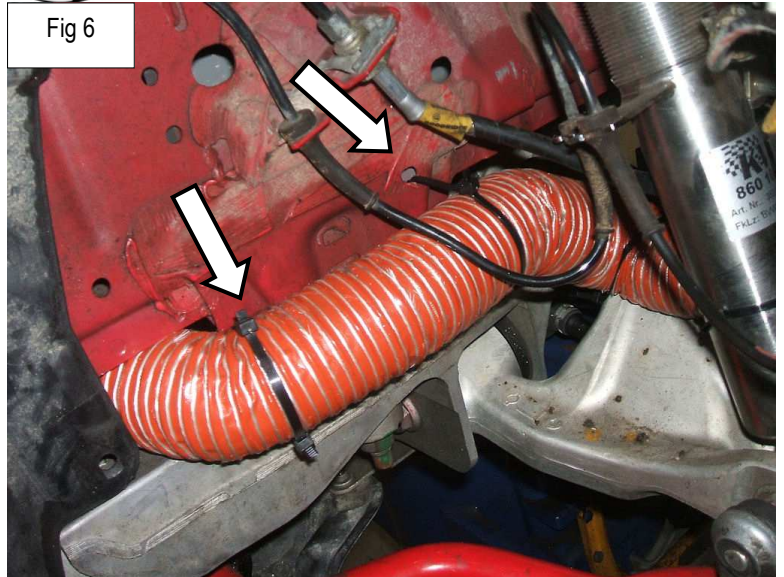


Fig 7

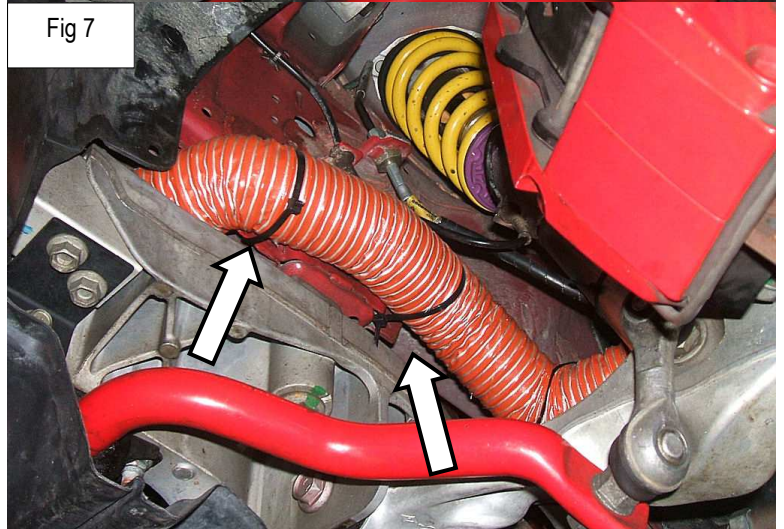
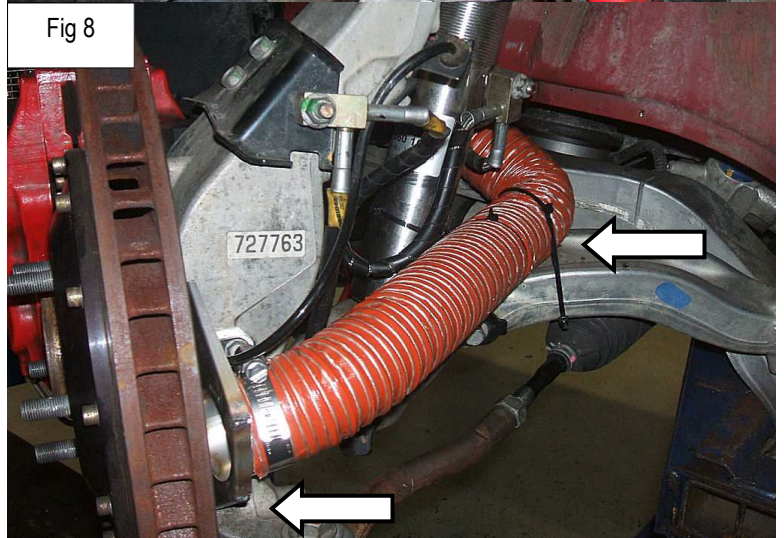


Fig 8



14. Continue to route the hose as shown. Be sure to zip tie the hose using the various open holes on the body in order to tuck the brake hose in as close as possible to the body. See **(Fig.6 & Fig.7)** You will also be securing the hose to the lower a-arm. Be sure when locating it the you give enough vertical clearance in both directions as to not squeeze the hose in between the a-arm and body of the car.

15. Next we will be adjusting the brake hose for full lock positioning. If installing on the drivers side first turn the wheel to the right (opposite if passenger) in order to give you the full stretch positioning. You will need to cut the brake hose in order to get the exact length needed. Stretch and cut the hose to length as shown in **(Fig.8)** You will be cutting about 6-8" off the hose. Make sure the tension on the hose is not too tight but tight enough to keep it tucked in.



Fig 9

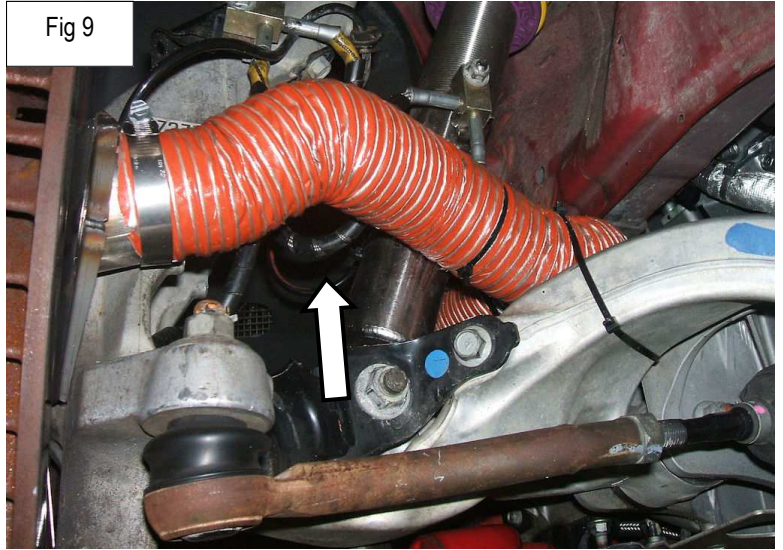
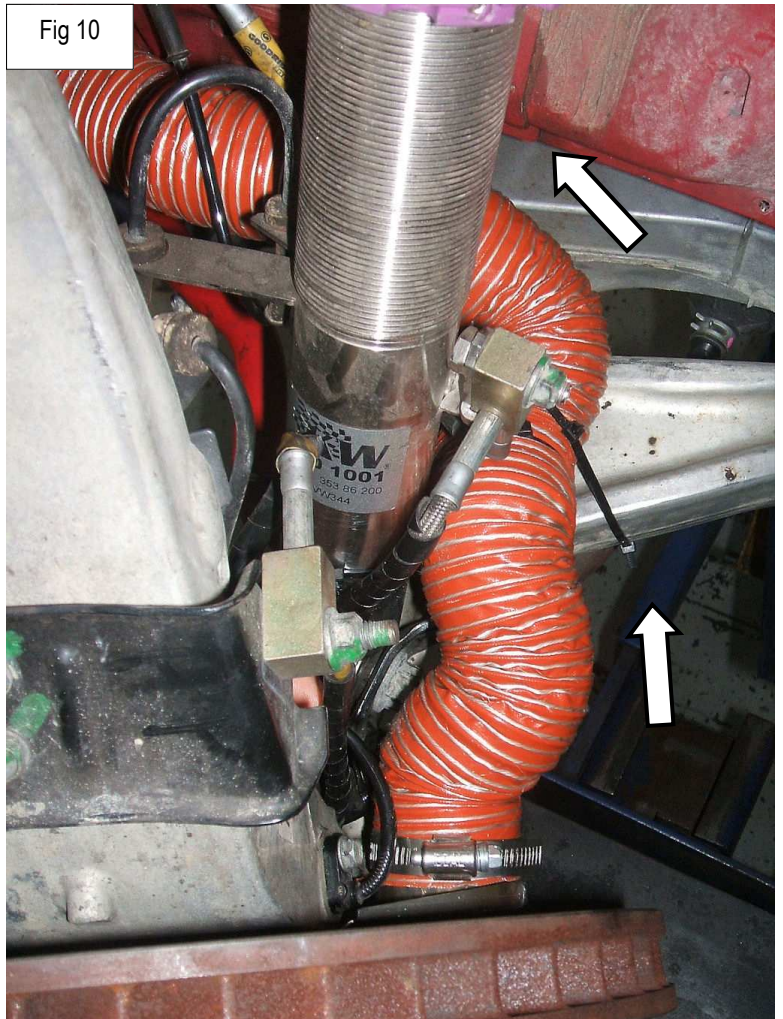


Fig 10



16. Next you will need to position the wheel in neutral position to get the midpoint positioning of the brake hose. The hose should look as follows. See (Fig.9) The hose should be secured to the lower a-arm as shown.
17. In the full lock inward position the brake duct hose should look as shown in (Fig.10)
18. Make sure to double check the positioning of the hose by going full lock to lock to make sure the clearances and tension is correct. You will be repeating the process on the other side. The passenger side will be a tighter fit as you will be routing in the area of the washer fluid tank.
19. Double check all the zipties and clamps and make sure everything is tight.
20. Reinstall the splash pan as previously removed.
21. Reinstall your brakes as previously removed. Don't forget to torque everything back down.
22. Reinstall your wheels and torque to manufacturers specs.
23. Done! Enjoy the benefits of your new *STILLEN* Brake Cooling System