

Vehicle:	BMW G87 M2, G80/G81 M3 & G82/G83 M4
Product:	Brake Cooling Ducts
Part number:	ATMSBMW52



Kit Contents:

<ul style="list-style-type: none"> • 2x AIRTEC Motorsport Backing Plates • 2x AIRTEC Motorsport Brake Ducts • 2x 60x500mm Air Ducting • 2x Spacer Posts 1 – 38mm • 2x Spacer Posts 2 – 6mm • 2x Spacer Posts 3 – 2mm • 4x 60mm Jubilee Clips 	<ul style="list-style-type: none"> • 2x M6x50mm Countersunk Bolts • 2x M6x20mm Countersunk Bolts • 2x M6x16mm Countersunk Bolts • 2x M6x20mm Button Head Bolts • 4x M6x18mm Washers • 2x M6 Nyloc Nuts • 4x Large Cable Ties
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Tools Required:

<ul style="list-style-type: none"> • Ratchet and Socket Set • Allen Key Set • Side Cutters 	<ul style="list-style-type: none"> • Breaker Bar • Trim Removal Tool or Flat-Head Screwdriver
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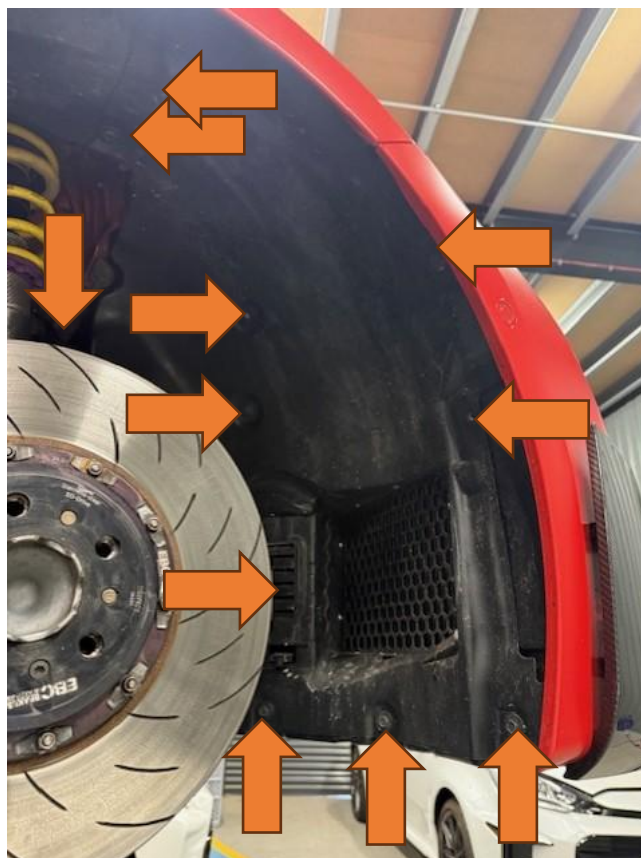
PLEASE THOROUGHLY READ THESE INSTRUCTIONS AND MAKE SURE YOU ARE FAMILIAR WITH THE STEPS BEFORE CARRYING THEM OUT

Instructions:

1. Start by removing the front wheels and securing the car safely to work on it.



2. Next, remove the front inner wheel arch liners by undoing the 10mm bolts securing them in place.



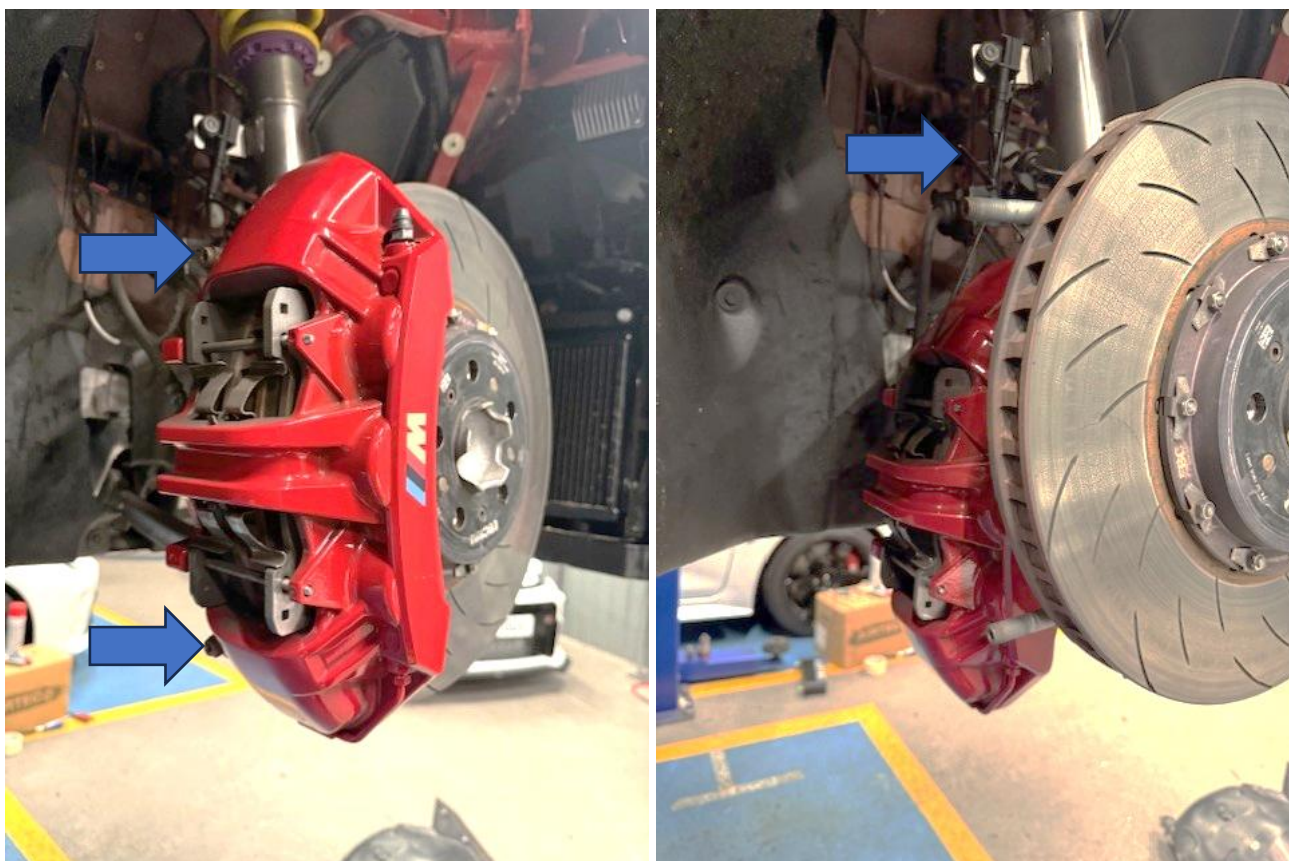
3. Within the inner wheel arch, locate the rear section of the original brake duct. Use a trim removal tool (or flat-blade screwdriver) to unclip the rear duct from the front section.



4. Now attach the AIRTEC Motorsport brake duct section in place by clipping it to the front section.



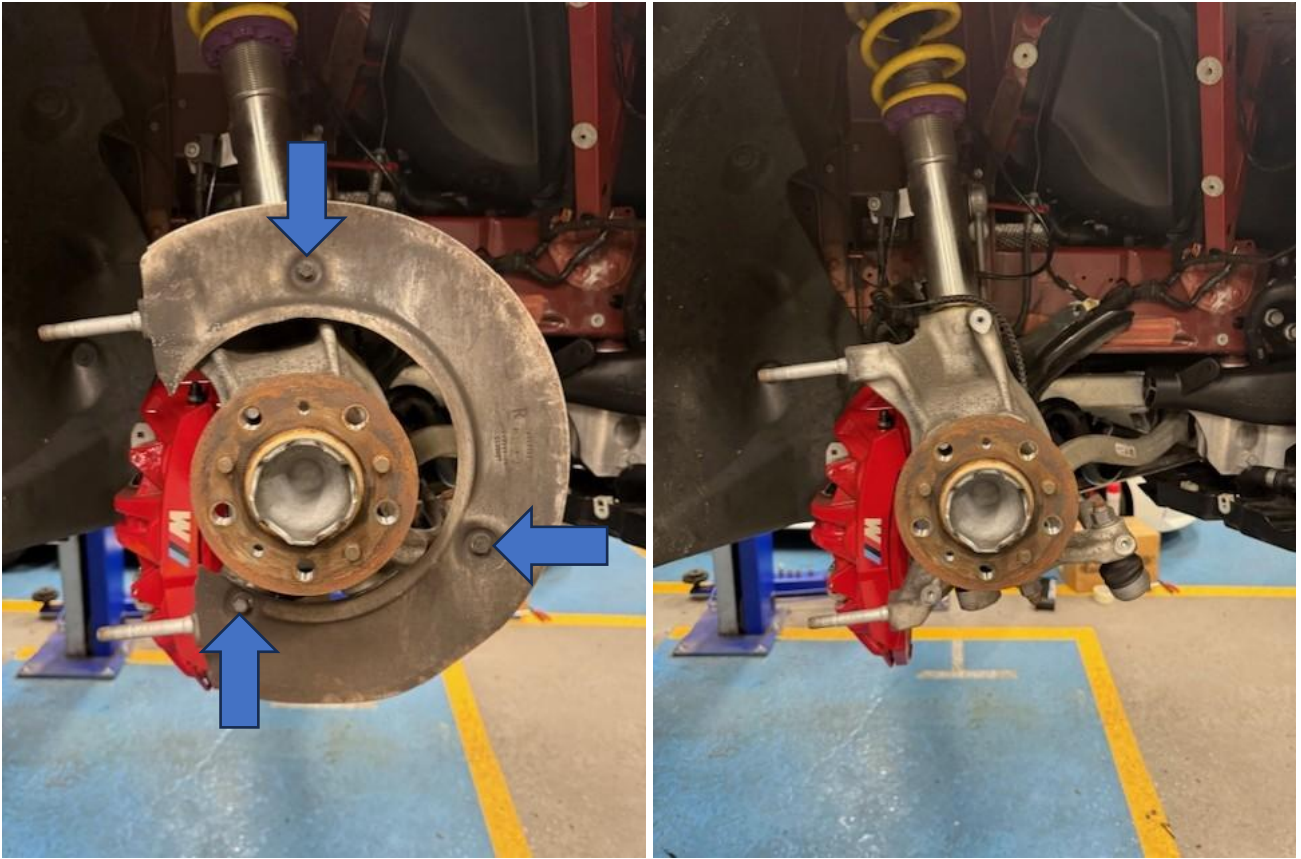
5. Remove the 14mm bolts securing the brake calliper in place. Use the cable tie provided in the kit to safely hang the calliper out of the way without disconnecting the brake line or causing it to kink in any way.



6. Now remove the two 5mm Allen Key bolts securing the brake disc to the hub. Once removed, pull the brake disc away and place it safely aside.



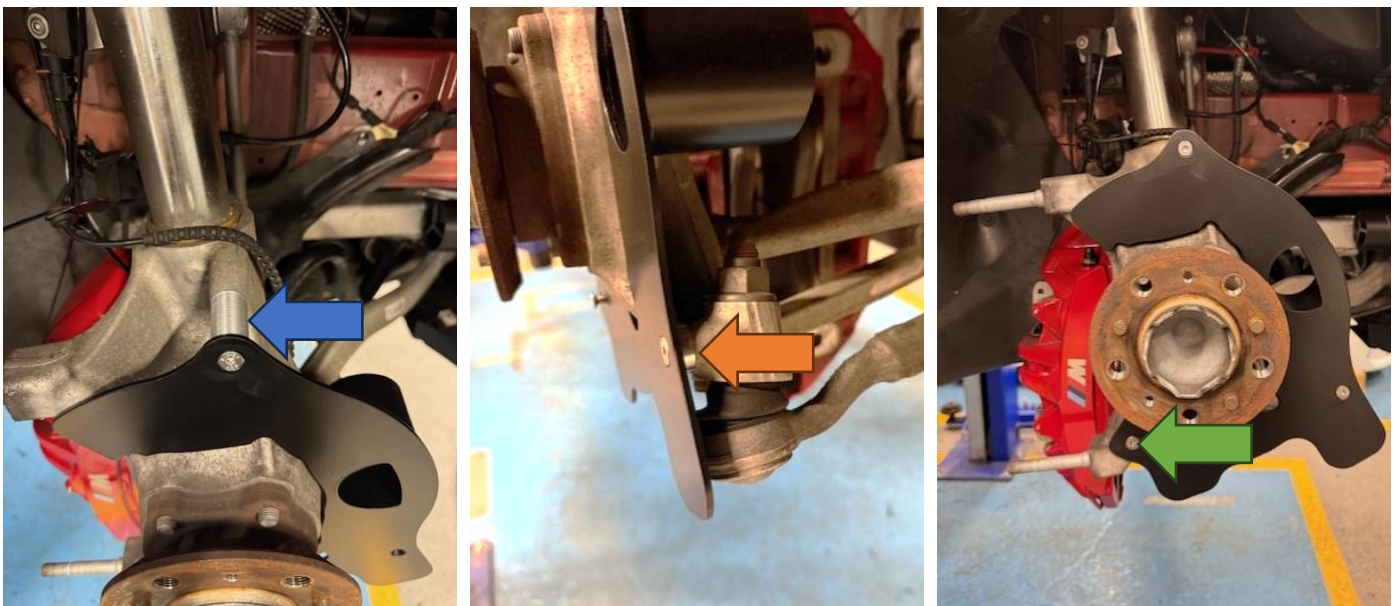
7. Remove the original backing plate by undoing the three 10mm bolts securing it in place.



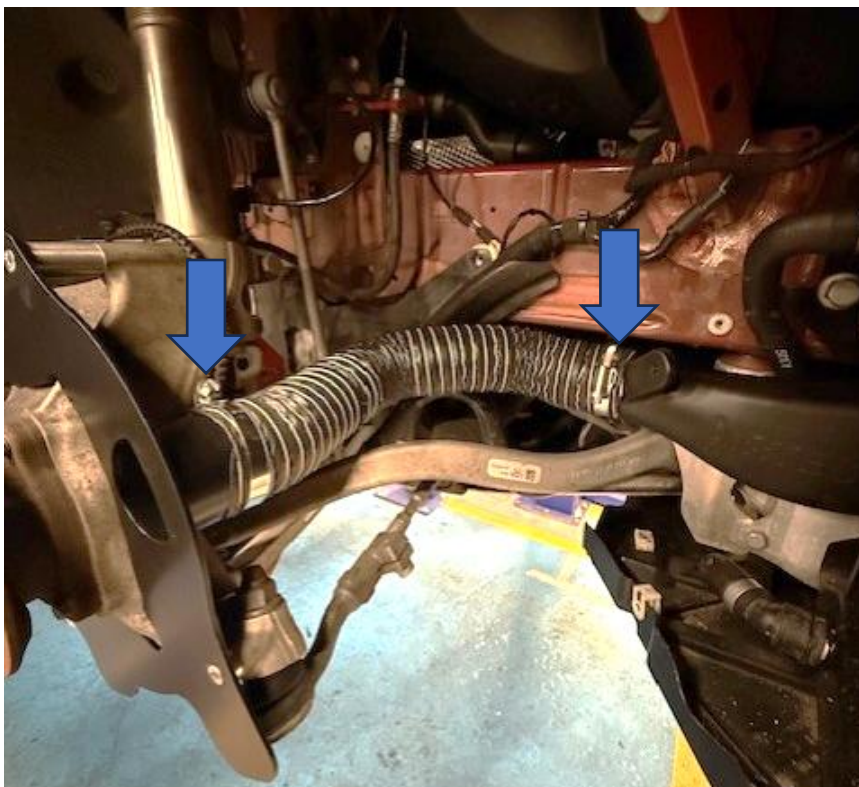
8. Now place the new AIRTEC Motorsport backing plate over the hub, as shown. Using the large 38mm spacer post and 50mm countersunk bolt supplied in the kit, secure to the top part of the backing plate (blue arrow).

Then use the 6mm spacer post and 20mm countersunk bolt provided to secure the right-hand side fixing (orange arrow).

Use the remaining 2mm spacer post and 16mm countersunk bolt supplied for the bottom left-hand side fixing (green arrow).



9. Attach the ducting supplied in the kit between the backing plate and AIRTEC Motorsport brake duct and secure in place using the 60mm jubilee clips provided. Make sure the duct is routed exactly as shown to allow clearance for the front wheel to turn.



10. Unclip the brake duct guard from the inner wheel arch liner before refitting it to the car.



11. With the inner wheel arch liner back in place, line up the hole in the liner with the brake duct's support bracket behind it. Use the M6x20mm Button Head bolt, Nyloc nut and washers supplied in the kit to secure the two together. Once tight, reinstall the original brake duct guard removed in Step 10.



12. Use the cable tie provided to secure the ducting to the bend in the anti-roll bar, as shown. Make sure it's not too tight to allow for movement.



13. Finally, make sure everything is tight and secure, and then refit the brake disc and calliper. You can then repeat the entire process for the other side.

