

MRT-20019 E30 5-lug adapter kit, frontKit content:

- 2x Wheel bearing adapter
- 2x Brake caliper adapter
- (2x ABS ring)
- Mounting hardware (as in the picture)

Disclaimer:

- Racing part with NO warranty, not for use on public roads
- Manufacturer disclaims all liability for direct, indirect, incidental or consequential damages, including damage or loss of equipment, cost of purchase or replacement of goods, accident or injuries, or claims of the purchaser that result from the use of the part

Tools / equipment required for installation:

- 46mm wrench or long 6-pt socket
- 6mm and 10mm hex keys
- Torque wrench
- Loctite (**green** or **red**)
- (Angle grinder or other metal grinding tool)
- (Hydraulic press)

Torque rates for the bolts / screws / nuts:

- Wheel bearing adapters 290Nm
- M12x1.5 bolts 100Nm
- M10x1 set screws 40Nm

Important notes:

- Fits only E30 non-M knuckles / spindles (not E30 M3 or iX)
- Compatible only with brake caliper / rotor combinations listed on the item description (new, confirmed options will be updated):
<https://mrtengineering.fi/products/bmw-e30-5-lug-adapter-kit>
- **Brake caliper carrier and/or caliper mounting tabs on the knuckle / spindle may need to be ground down for sufficient clearance depending on caliper / rotor combination**

Installation:

- 1. Remove original brake caliper, rotor and wheel bearing from the spindle / knuckle**

- 2. Clean up spindle mounting faces properly**
 - a. Clean up wheel hub threads and cylindrical face
 - b. Clean up both sides of the caliper mounting faces



3. Install wheel bearing adapter

- a. Install adapter onto the spindle dry to ensure flush fitment, adapter may require heating up due to tight tolerances on the parts
- b. After checking the fitment unscrew the adapter and add green or red Loctite on the spindle threads and cylindrical face
- c. Reinstall adapter and torque to 290Nm
- d. Torque both set screws to 40Nm (Loctite can be used)



4. Install brake caliper adapter

- a. Non-M brakes do not require spacers



- b. Add spacers between the spindle and caliper adapter with ///M brake calipers



- c. Torque bolts to 100Nm

5. Install brake caliper

- a. Choose matching PCD for your brakes by setting up the eccentric washers on the adapter slots; non-M brakes use small PCD, ///M brakes big PCD



Figure 2: Small PCD



Figure 1: Big PCD

- b. Especially E36 non-M brake caliper carriers that are made for smaller diameter rotors require grinding for bolt head clearance



- c. Please make sure that caliper sits flush with the adapter after all bolts are torqued to spec, spindle edges or caliper carrier may require slight finishing due to casting differences
- d. Remove caliper until final installation

6. Install E30 specific ABS rings onto E36 / E46 hubs

- a. Remove ABS ring



- b. Press in new E30 specific ABS ring



7. Install E36 / E46 hardware

- a. Install wheel bearing dust protection collar
- b. Install wheel bearing and nut, torque to spec, secure the nut, install cap
- c. Install brake rotor
- d. Install brake caliper

8. Remember to check and inspect all fasteners after first 100km and occasionally after every 500km until the fasteners have set properly. Repeat inspection before and after every trackday.

If you have any questions, feedback or other comments regarding the kit please reach us via email / WhatsApp or social media direct message:



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If you have problems / issues with the kit, please state where you have bought the kit, original Order No. and / or exact model of the kit you have / you supposed to have to ensure we can give you an accurate response.

All spare parts are available on our webshop and dealerships around the world:

<https://mrtengineering.fi/collections/spare-parts>

<https://mrtengineering.fi/pages/dealers>



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