

## ABS Module Removal & Installation Instructions

# BMW 3-Series

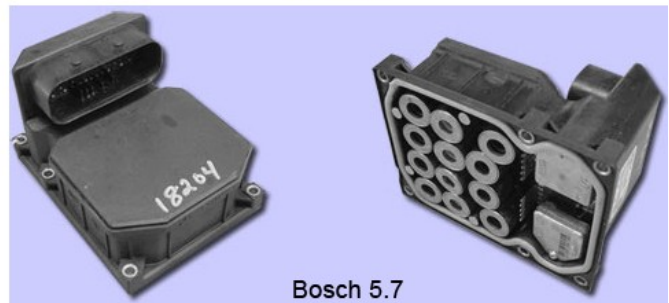
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### 1999-2008

The BMW 3-Series uses one of the ABS modules shown below. To determine which one you have, locate the ABS modulator under the hood near the brake master cylinder. It will be an aluminum block with multiple brake lines connected to it. The ABS module will be bolted to the modulator. **Please note:** only the Ate ASC and Bosch 5.7 are repairable.



### Removal Procedure

The ABS controller is located under the master brake cylinder which must be removed in order to gain access.

**Before removing your ABS module, identify and compare it to the pictures above. Only remove the module if it matches the Ate ASC or Bosch 5.7**

1. Connect a hose to the bleeder screw on a the front left brake caliper. Wedge something between the brake pedal and seat to keep the

brake pedal depressed. Bleed the brake fluid into a bottle. Repeat for the rear left brake caliper.

2. Remove the two brake lines and vacuum hose from the master brake cylinder.
3. Remove the master brake cylinder.
4. Remove the brake lines connected to the ABS modulator being careful not to bend them.
5. Disconnect the electrical connector and remove the ABS modulator assembly. For Bosch 5.7 modules, remove the connector by pulling the locking tab out as shown on the right.
6. Cover the exposed surface of the ABS modulator assembly with aluminum foil. Do not drive the vehicle until everything has been reinstalled and the brakes bled. Refer to the vehicle service manual for the brake bleeding procedure.
7. It is safe to drive your car with the ABS module removed while waiting for your repair.



### Installation Procedure

1. Make sure the mating surfaces are clean, then attach your repaired ABS module to the hydraulic unit using the same torx screws.
2. Connect the electrical connector.
3. Reinstall the brake lines and master cylinder.
4. Refill the brake master cylinder.
5. Bleed the brakes (see your vehicle service manual).

### 2009 and later

At this time we are unable to repair these ABS modules.