



## INSTALLATION TIPS AND GUIDELINES



### HOW TO INSTALL A USED ABS MODULE FROM QUAP

Installation tips and guidelines for installing a used Anti-Lock Brake System (ABS). It's aimed at DIYers and technicians working on cars, especially when replacing ABS modules, pumps, or sensors from donor vehicles.

#### 1. Ensure Compatibility

**Match the Part Number:** Always verify the part number of the used ABS unit matches your vehicle's original one.

**Check the VIN:** Use the donor vehicle's VIN to confirm compatibility with your vehicle's make, model, year, and trim level.

#### 2. Inspect the Used Unit Thoroughly

**Check for Damage:** Look for cracks, corrosion, broken connectors, or stripped threads.

**Clean the Unit:** Wipe off any debris, oil, or rust from the ABS module and pump.

**Inspect Electrical Connectors:** Ensure no pins are bent or missing and that the connectors are clean and corrosion-free.

#### 3. Prepare the Vehicle

**Disconnect the Battery:** This prevents electrical shorts and ensures safety during installation.

**Lift the Vehicle Securely:** Use jack stands and proper lifting points to safely access components.

**Drain the Brake Fluid:** Avoid spills when disconnecting brake lines from the old ABS unit.

#### 4. Remove the Old ABS Unit

**Label All Connections:** Mark brake lines and electrical connectors to match them to the replacement unit.

**Use Line Wrenches:** Prevent stripping of brake line fittings.

**Take Photos:** Document the original layout and connections if needed for reassembly.

#### 5. Install the Used ABS Unit

**Mount Securely:** Use proper torque specs to bolt down the unit.

**Reconnect Brake Lines and Wires:** Match each to its labeled position.

**Replace Seals if Needed:** Check for any worn grommets or O-rings that should be replaced.

#### 6. Refill and Bleed the Brake System

**Use Recommended Brake Fluid:** Usually DOT 3, DOT 4, or DOT 5.1 depending on the vehicle.

**Bleed the System Thoroughly:** Some ABS systems require electronic bleeding via a scan tool.

#### 7. Reprogram or Reset the Module (If Applicable)

**Use a Scan Tool:** Some ABS modules must be coded to your vehicle or require resetting fault codes.

**Update Software:** If your scan tool allows, check for firmware updates for the ABS system.

#### 8. Perform a Test Drive

**Start with a Low-Speed Test:** Make sure the ABS light is off and brakes are responsive.

**Try a Controlled Stop:** Check that the ABS engages properly on a slick surface.

#### 9. Monitor for Issues

**Check for Warning Lights:** ABS or brake lights should remain off.

**Scan for Codes:** Re-scan the system a few days later to ensure no hidden faults.

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