



NAPA Tech TIPS

SUPPORTING TODAY'S PROFESSIONAL TECHNICIAN

Tech Tip Bulletin Summary: ABS Systems and Master Cylinders

Before replacing any brake component, the cause of original unit failure must be determined and corrected. Installing a replacement unit without correcting the problem will lead to early failure. Always refer to the vehicle service manual for specific installation procedures and specifications. The tech bulletins listed below cover topics that will assist with part selection, describe typical installation problems, provide diagnostic solutions or suggestions, and service advice.

Before Installation:

- TT 10-0008 Low pedal solution on 1995 F250 and 350 Fords
- TT 10-0009 Quest and Villager brake lock-up diagnosis and tips
- TT 12-0003 ABS – You can repair ABS equipped vehicles

During Installation:

- TT 10-0001 Step-Bore bench bleeding procedure
- TT 10-0003 Angle-mounted bleeding procedure
- TT 10-0004 Typical split-system bleeding sequence
- TT 10-0005 Low pedal caused by internally damaged brake hoses
- TT 10-0006 Brake fluid types should never be mixed
- TT 10-0007 Petroleum based fluids destroy brake system rubber components
- TT 12-0001 Flushing the brake fluid after any brake repair protects ABS system
- TT 12-0002 RABS and RWAL typical causes of a long or fading brake pedal

After Installation:

- TT 12-0004 Damaged Sensor or Tone Ring causing intermittent ABS
- TT 12-0005 Proper bleeding is an absolute must – service manual required

NAPA Technical Service develops tech bulletins that are intended to help the installer avoid common installation and service errors. The information presented is derived from our own experience and product knowledge gained from component analysis and research. Following these tips and the vehicle's service manual will ensure the best possible performance and service life of the replacement unit.

Please note that these bulletins are provided for your technical information only and are not authorization for repair.