



TECH NOTES: INSTALLATION

***See back for kits covered
by this installation guide.**

IMPORTANT: Thank you for your purchase! Prior to beginning, it is critical to observe all applicable safety precautions, including but not limited to raising & supporting the vehicle and the wearing of appropriate eye and hand protection. Brake fluid can irritate eyes and skin. When replacing brake system hydraulic components, use great caution to avoid contamination from entering the system. Always use fresh brake fluid from an unopened container. Assemble all necessary tools and vehicle-specific reference materials prior to beginning work. In some anti-lock brake (ABS) equipped vehicles, a scan tool may be required to bleed air from the system follow brake line replacement.

1997-2004 Ford F-150 • 2000-2002 Ram 1500 • 2000-2002 Ram 2500 • 1997-2002 Jeep Wrangler

The brake lines in this kit will appear different than the OE lines on your vehicle. **EZ-FIT**[®] lines are made of a nickel-copper alloy, **NiCopp**[®], that is corrosion-proof. Line fittings (tube nuts) are black-oxide coated, providing 2x the corrosion protection of OE fittings.

EZ-FIT[®] lines are engineered to incorporate proper length, flares, and hardware. **EZ-BEND**[®] technology; **EZ-FIT**[®] allows lines to be easily and quickly hand-formed for fast direct replacement.

Some OE lines may use flexible hose sections instead of solid lines. The lines in this kit will use solid lines instead of flexible hose. Each line in this kit includes a tag with a part number that corresponds to its location on the vehicle. Use the guide on the back of this sheet to locate your kit and its contents. The column that the part number is under will indicate its location on the vehicle. Due to the similarity of the brake fittings, it is imperative to identify the individual brake line locations and connections prior to both disconnection and assembly.

Use your service manual's bleeding procedure to bleed the hydraulic brake system. Before removing the existing brake lines from the master cylinder, BPMV (ABS module), and the combination valve, identify the port locations. On the BPMV (ABS module) identify the port for each component. When installing **EZ-FIT**[®] lines, ensure they are installed in the correct port locations on the master cylinder, BPMV (ABS module), and combination valve.*If lines are not installed in correct location, the hydraulic system will not function properly.

Carefully remove the existing brake lines while avoiding contamination into the hydraulic system by using tape or other appropriate measures to cover threaded end fittings and ends of openings. Taking care not to kink or to damage the **EZ-FIT**[®] lines; install using the service manual, location guide, and the old lines as a guide. Hand tighten all fittings to avoid cross-threading and final tighten to 25 Nm (18 lb ft). Once complete, inspect all lines to ensure that they do not make direct chassis or other component contact that could result in rub-through issues in the future. Adjust, bend and support lines as necessary.

Disclaimer: All effort has been made to ensure that this product and associated information is accurate and applicable to your vehicle. However, it is impossible to foresee and account for all instances and/or circumstances. Always consult with a professional before performing any vehicle maintenance in which you have not been trained. Working on any vehicle system can be dangerous, so all safety precautions should be followed at all times. Be sure that all work is completed in a manner that conforms to Federal Motor Vehicle Safety Standards set forth by the NHTSA.

Dodge Ram 1500/2500 (4 Wheel ABS)

AGS Kit #	ABS Unit Frame Junction Block to Rear Port	ABS Unit Frame Junction Block to Rear Port	ABS Unit to Proportioning Valve Front Port	ABS Unit to Proportioning Valve Rear Port	Driver Side Front Wheel ABS Unit to Wheel Hose	Driver Side Rear Axle Junction to Caliper	Master Cylinder Front Port to Proportioning Valve	Master Cylinder Rear Port to Proportioning Valve	Passenger Side Front Wheel to Junction Block	Passenger Side Rear Axle Junction to Caliper	Rear Feed Frame Junction Block to Rear Axle Hose	Rear Jumper Tube Rear Height Sensing Valve
CNC-171KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977620	6977560	6977710	
CNC-172KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977620	6977560	6977720	
CNC-173KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977620	6977560	6977690	
CNC-175KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977620	6977570	6977710	6977330
CNC-176KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977620	6977570	6977720	6977330
CNC-177KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977620	6977570	6977690	6977330
CNC-179KIT	6977460	6977470	6977340	6977320	6977500	6977310	6977350	6977340	6977620	6977510	6977710	6977330
CNC-180KIT	6977460	6977470	6977340	6977320	6977500	6977310	6977350	6977340	6977620	6977510	6977720	6977330
CNC-181KIT	6977460	6977470	6977340	6977320	6977500	6977310	6977350	6977340	6977620	6977510	6977690	6977330
CNC-187KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977580	6977560	6977710	
CNC-188KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977580	6977560	6977720	
CNC-189KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977580	6977560	6977690	
CNC-191KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977580	6977570	6977710	6977330
CNC-192KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977580	6977570	6977720	6977330
CNC-193KIT	6977460	6977470	6977340	6977320	6977500	6977410	6977350	6977340	6977580	6977570	6977690	6977330
CNC-196KIT	6977460	6977470	6977340	6977320	6977500	6977310	6977350	6977340	6977580	6977510	6977720	6977330
CNC-197KIT	6977460	6977470	6977340	6977320	6977500	6977310	6977350	6977340	6977580	6977510	6977690	6977330
CNC-198KIT	6977460	6977470	6977340	6977320	6977500	6977310	6977350	6977340	6977580	6977510	6977710	6977330
CNC-200KIT	6977460	6977470	6977340	6977320	6977500	6977310	6977350	6977340	6977580	6977510	6977720	6977330
CNC-201KIT	6977460	6977470	6977340	6977320	6977500	6977310	6977350	6977340	6977580	6977510	6977690	6977330

Dodge Ram 1500/2500 (2 Wheel ABS)

AGS Kit #	ABS Unit Frame Junction Block to Rear Port	ABS Unit to Proportioning Valve	Driver Side Front Wheel Proportioning Valve to Wheel Hose	Driver Side Rear Axle Junction to Caliper	Master Cylinder Front Port to Proportioning Valve	Master Cylinder Rear Port to Proportioning Valve	Passenger Side Front Wheel to Driver Front Wheel Hose	Passenger Side Rear Axle Junction to Caliper	Rear Feed Frame Junction Block to Rear Axle Hose	Rear Jumper Tube Rear Height Sensing Valve
CNC-203KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977600	6977560	6977710	
CNC-204KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977600	6977560	6977720	
CNC-205KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977600	6977570	6977690	
CNC-207KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977600	6977570	6977710	6977330
CNC-208KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977600	6977570	6977720	6977330
CNC-209KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977600	6977570	6977690	6977330
CNC-211KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977580	6977560	6977710	
CNC-212KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977580	6977560	6977720	
CNC-213KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977580	6977560	6977690	
CNC-215KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977580	6977570	6977710	6977330
CNC-216KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977580	6977570	6977720	6977330
CNC-217KIT	6977460	6977300	6977530	6977410	6977350	6977340	6977580	6977570	6977690	6977330

Ford F-150

AGS Kit #	Driver Side Front Wheel ABS Unit to Wheel Hose	Driver Side Front Wheel Master Cylinder Front Port to Wheel Hose	Driver Side Rear Axle Junction to Caliper	Master Cylinder Front Port to ABS Unit	Master Cylinder Rear Port to ABS Unit	Passenger Side Front Wheel	Passenger Side Front Wheel ABS Unit to Wheel Hose	Passenger Side Rear Axle Junction to Caliper	Rear Feed Front Half from ABS Valve to Rear Half	Rear Feed Rear Half to Rear Axle Hose	Left/Right Rear Hoses/Brackets
CNC-164KIT		6977520	6977370		6977390	6977630		6977540	6977670	6977650	
CNC-166KIT		6977520	6977370		6977390	6977630		6977540	6977670	6977590	
CNC-168KIT	6977360		6977440	6977380	6977420		6977640	6977550	6977610	6977590	6978180
CNC-169KIT	6977360		6977440	6977380	6977420		6977640	6977550	6977610	6977680	6978180
CNC-170KIT	6977360		6977440	6977380	6977420		6977640	6977550	6977610	6977650	6978180

Jeep Wrangler

AGS Kit #	Driver Side Front Wheel Proportioning Valve to Wheel Hose	Master Cylinder Front Port to Proportioning Valve	Master Cylinder Rear Port to Proportioning Valve	Passenger Side Front Wheel From Valve to Wheel Hose	Rear Axle Tube Driver Side Caliper	Rear Axle Tube Passenger Side Caliper	Rear Feed Proportioning Valve to Rear Brake Hose
CNC-220KIT	6977450	6977280	6977290	6977700	6977430	6977480	6977660
CNC-221KIT	6977450	6977280	6977290	6977700	6977400	6977490	6977660

*** Please note that individual brake line labels will show a base 7-digit part number followed by either a "C" or an "S". The extra letter at the end of the part number is unimportant and for internal reference only.