

# **Component Procedures: Brake Hose/Line**

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# Component Procedures: Brake Hose/Line

## Parts and Labor (itype\_189)

### Parts

Qualifier	Part #	Name	Price	Note
Hydraulic System > Front Bra?	52008674AC	Flex Hose	90.50	Order By Description.
Hydraulic System > Front Bra?	52008675AC	Flex Hose	90.50	Order By Description.
Hydraulic System > Rear Brak?	52008391AB	Flex Hose	0.00	Order By Description.

### Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Replace	Front Brakes > Flex Hose > One Side	B	0.6	0.4
Replace	Rear Brakes > Flex Hose > Axle to Frame	B	0.6	0.5
Replace	Rear Brakes > Flex Hose > Side > One Side	B	0.5	0.4

## Components (itype\_392)

Flexible rubber hose is used at both front brakes and at the rear axle junction block. Double walled steel tubing is used to connect the master cylinder to the major hydraulic braking components and then to the flexible rubber hoses.

## Brake Tubing Repair/Tube Flaring (Article 2028040)

Non Standards

- Flaring Procedure (2028044)

## Tightening Specifications (Article 2027576)

To

Master Cylinder

..... 15 Nm (11 ft. lbs.)

To Combination Valve ..... 21 Nm (15 ft. lbs.)

Wheel Cylinder

..... 10 Nm (84 inch lbs.)

Hydraulic Control Unit

..... 15 - 18 Nm (130 - 160 inch lbs.)

To Caliper Bolt ..... 31 Nm (23 ft. lbs.)

## Component Tests and General Diagnostics (itype\_383)

Flexible rubber hose is used at both front brakes and at the rear axle junction block. Inspect the hoses whenever the brake system is serviced, at every engine oil change, or whenever the vehicle is in for service. Inspect the hoses for surface cracking, scuffing, or worn spots. Replace any brake hose

immediately if the fabric casing of the hose is exposed due to cracks or abrasions.

Also check brake hose installation. Faulty installation can result in kinked, twisted hoses, or contact with the wheels and tires or other chassis components. All of these conditions can lead to scuffing, cracking and eventual failure.

The steel  
brake line

s should be inspected periodically for evidence of corrosion, twists, kinks, leaks, or other damage. Heavily corroded lines will eventually rust through causing leaks. In any case, corroded or damaged brake lines should be replaced.

Factory replacement brake lines and hoses are recommended to ensure quality, correct length and superior fatigue life. Care should be taken to make sure that brake line and hose mating surfaces are clean and free from nicks and burrs. Also remember that right and left  
brake hoses

are not interchangeable.

Use new copper seal washers at all caliper connections. Be sure brake line connections are properly made (not cross threaded) and tightened to recommended torque.