

Safety Recall Notice

Service Bulletin

507602 Rev. C



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August 2018

NHTSA Recall: 18V489

Kit Number: 18V489KS

Applicable for: 2012 through 2018 Dodge Caravan
and Chrysler Town & Country Side Entry Ramp

Repair Time: 1 hour

Read Instructions Before Beginning

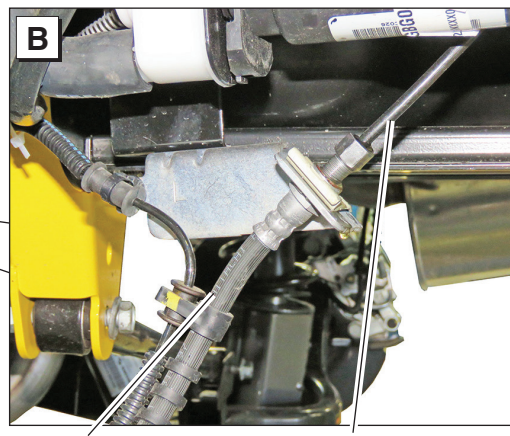
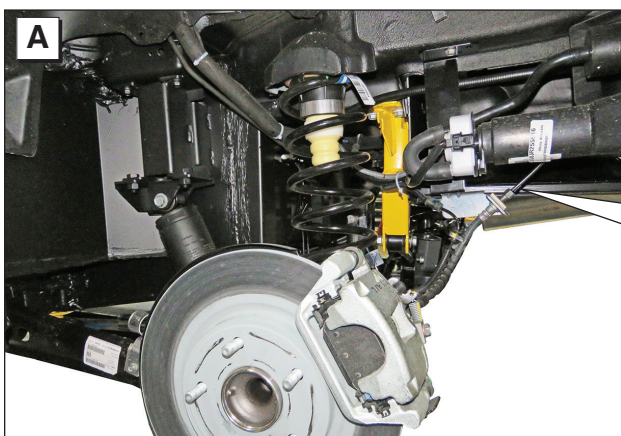
Note: BraunAbility recommends this procedure be performed by a certified ASE technician or equivalent.



Scan to View
Instructional
Video

Tools Required: (2) 12mm Line Wrench, 11mm Wrench or Bleeder Wrench, 3/8" Line Wrench,
Brake Line Tube Bender, DOT 3 Brake Fluid, Drill, 1/4" Drill Bit

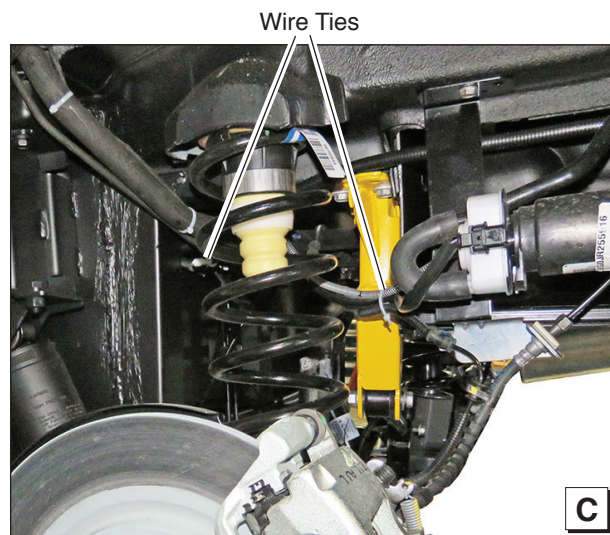
Goal: To route the driver rear brake line to the passenger side caliper and route the passenger side brake line to the driver side caliper.



Flex Brake
Line

Driver Side Hard Brake Line
(Will Be Rerouted to
Passenger Side)

1. Disconnect vehicle battery.
2. Lift rear of vehicle and remove both rear wheels.
3. Locate driver side hard brake line. See Photos A and B.
4. Remove wire ties securing harness to hard brake line. See Photo C.
5. Disconnect hard brake line from flex brake line. Refer to Photo B.



Wire Ties

Dodge Caravan and Chrysler Town & Country Brake Line Remedy 507602 Rev. C

6. Use an appropriate container to capture brake fluid from removed brake line.

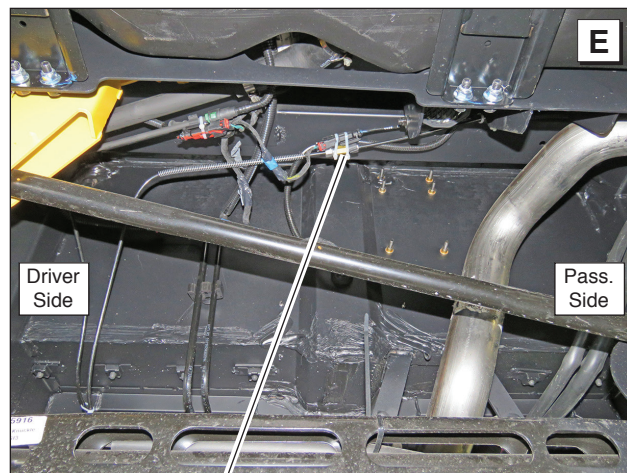
7. Press brake pedal to floor and place block to keep pedal depressed to prevent fluid flow while brake lines are separated. See Photo D.



Brake Pedal Blocked

8. Remove wire ties securing harness to passenger side hard brake line. See Photo E.

9. Separate the two halves of the passenger side hard brake line from coupler fitting and discard coupler fitting. See Photos F through H.



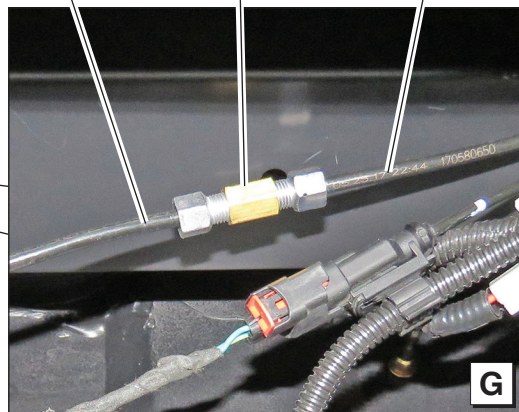
Wire Ties



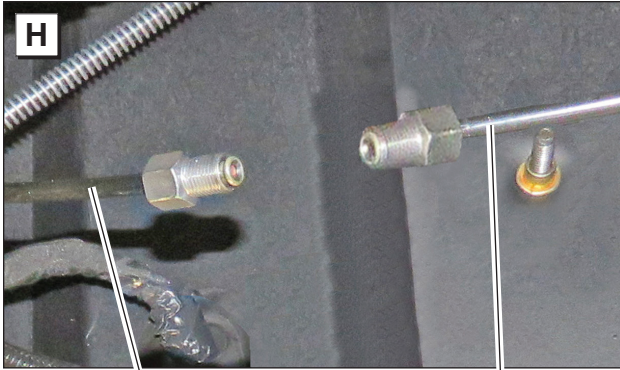
Disconnect Passenger Side Hard Brake Line to Master Cylinder From Coupling

Coupler Fitting (Discard)

Disconnect Passenger Side Hard Brake Line to Brake Caliper From Coupling

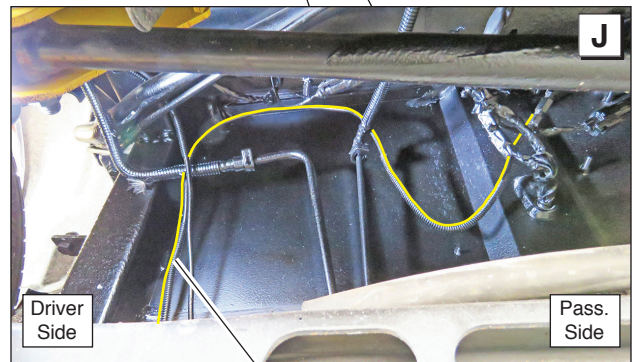
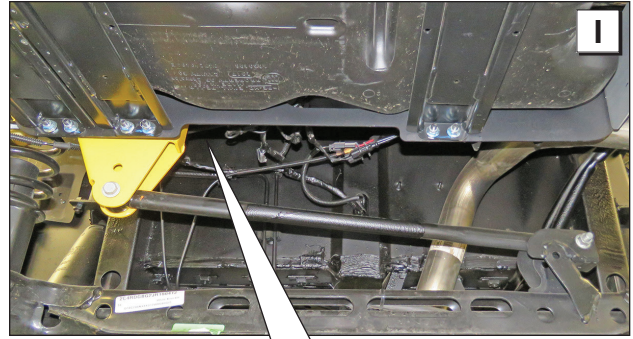


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Passenger Side Hard Brake Line to Master Cylinder (Will Be Rerouted to Driver Side Caliper)

Passenger Side Hard Brake Line to Passenger Side Flex Line

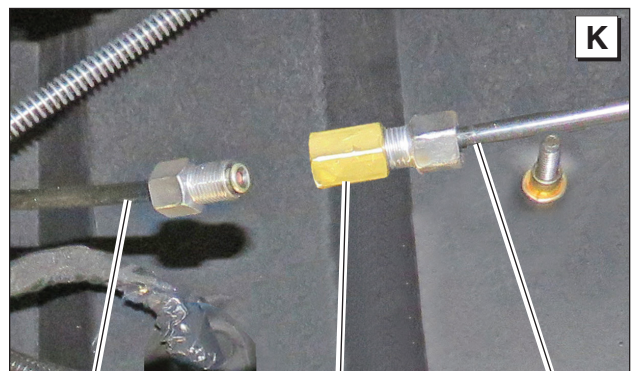


Rerouted Driver Side Hard Brake Line to Passenger Side

10. Reroute driver side hard brake line disconnected in Step 5 as shown. See Photos I and J.

11. Connect rerouted driver side hard brake line to passenger hard brake line using replacement coupler included in kit. See Photo K.

Note: Use care when connecting brake line fittings to avoid cross threading.

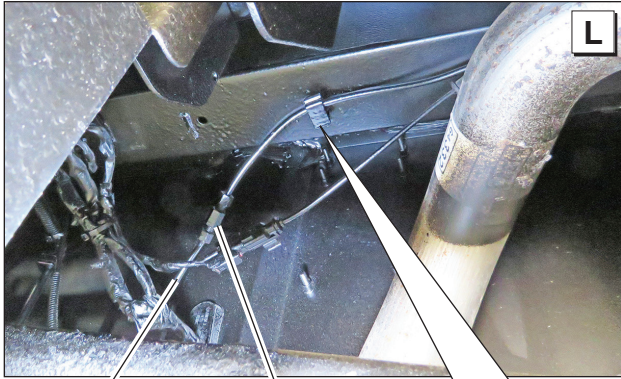


Rerouted Driver Side Hard Brake Line to Passenger Side

Replacement Coupler

Passenger Side Hard Brake Line to Brake Caliper

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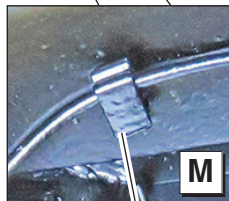


Rerouted Driver Side Hard Brake Line to Passenger Side

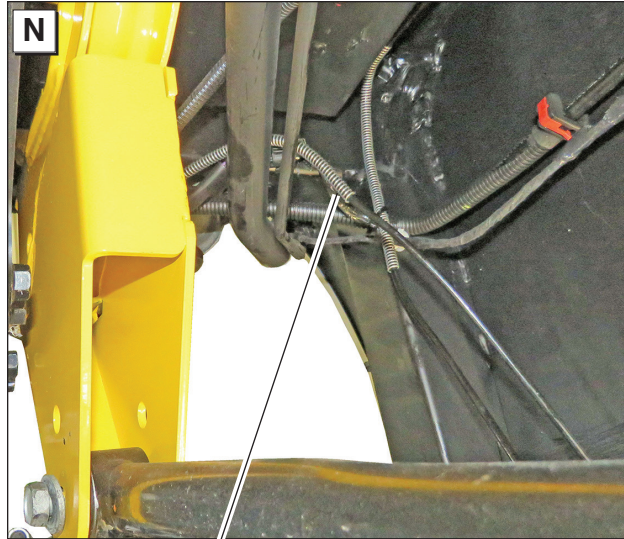
Coupler Fitting



Brake Line Retaining Clip



Brake Line Secured With Retaining Clip



Reroute Passenger Side Hard Brake Line to Driver Side

12. Secure brake line with brake line retaining clip as shown in Photos L and M.
 - Drill 1/4" brake clip mounting hole
 - Insert brake line retaining clip. See Photo at right
 - Secure brake line with retaining clip



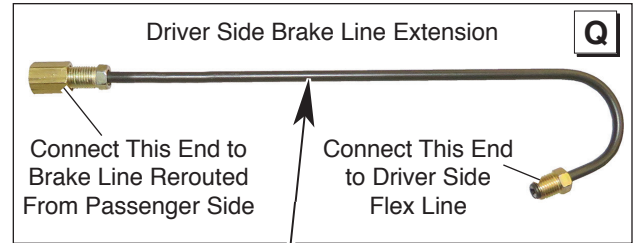
13. Reroute hard brake line disconnected in Step 9 to driver side as shown. See Photos N through P.



Passenger Side Hard Brake Line

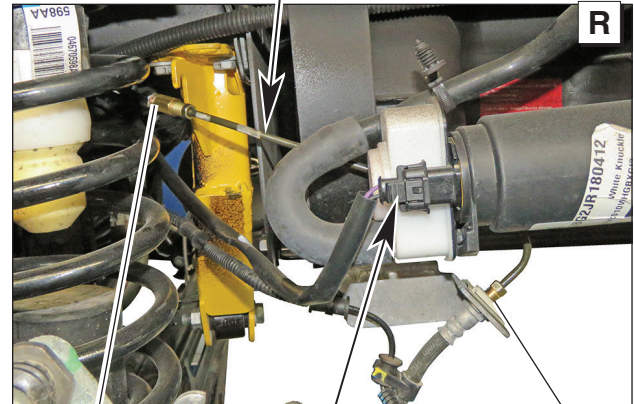
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14. Install driver side brake line extension. See Photos Q through S.



15. Secure harnesses to brake lines. Refer to Photos C and E.

16. Remove block installed in Step 7 and bleed brakes per manufacturer guidelines.



17. Check for brake fluid leaks while someone presses the brake pedal.

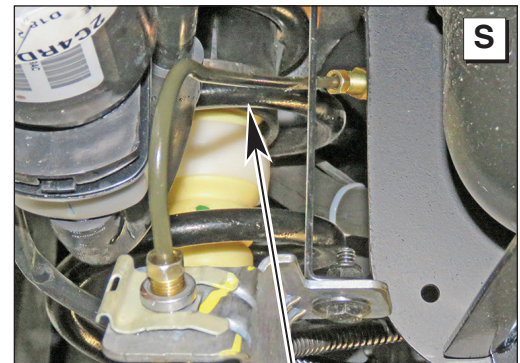
18. Install wheels and connect battery. Torque lug nuts to 100 ft•lbs.

Connect to Hard Brake Line

Route Behind EVAP Cannister

Connect to Flex Line

19. Test drive vehicle and perform 2-3 hard braking tests.



20. Repeat step 17.

Ensure Brake Line is Clear of Coil Spring