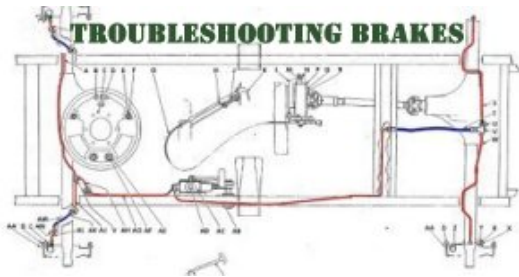


**G503 WWII Military Jeep Brake Adjustments and Troubleshooting WW2 Restoration**

This Article describes how to make brake troubleshooting and adjustments for your WWII Jeep. Applies to 1942,42,1943,43,1944,44,1945 Jeeps models



This article is a work in process. The foundation of this article came from the TM-1513 brake section which describes trouble shooting your brakes. This article also has suggestions from users who have experienced issues with brakes as well.

**① Brakes Dragging**

Symptoms

- a. Brake shoes improperly adjusted
- b. Piston cups .. Enlarged or improper fluid
- c. Improper Pedal Adjustment
- d. Clogged Master Cylinder compensating port

Most likely Remedy a. Re-Adjust shoes b. Flush lines with alcohol, install wheel cylinders and master cylinder. c. Adjust Master Cylinder rod d. Clean Master cylinder

**② One Brake Drags**

Symptoms

- a. Brake shoe adjustment incorrect
- b. Brake hose clogged
- c. Retracting spring broken
- d. Wheel Cylinder piston/cup defective
- e. Loose/damaged wheel bearing

Most likely Remedy a. Adjust brakes correctly b. Replace brake hose c. Replace retracting spring d. Replace Wheel Cylinder e. Adjust/replace wheel bearing

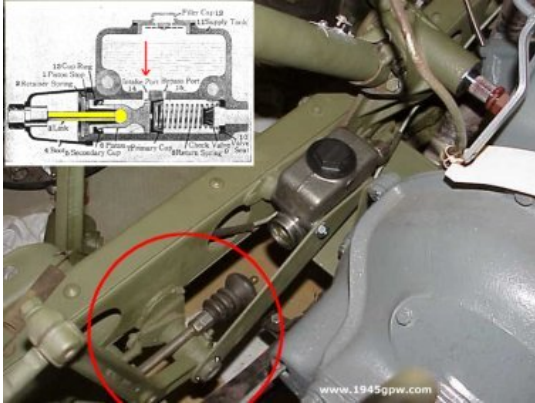
<p><b>③ Brake Grabs/Pulls to one side</b></p> <p><u>Symptoms</u></p> <ul style="list-style-type: none"> <li>a. Brake anchor pin adjustment incorrect</li> <li>b. Oil or brake fluid on lining</li> <li>c. Dirt between lining and drum</li> <li>d. Drum scored or rough</li> <li>e. Loose wheel bearing</li> <li>f. Axle spring clips loose</li> <li>g. Brake backing plate loose</li> <li>h. Brake lining</li> <li>i. Brake shoes reversed</li> <li>j. Tires under-inflated</li> <li>k. Tires worn unequally</li> </ul>	<p>Most likely Remedy a. Adjust anchor pin b. Replace lining c. Clean with wire brush d. Turn drum/replace lining e. Adjust wheel bearing f. Tighten spring clips g. Tighten backing plate h. Different kinds on opposite wheels i. Primary/Secondary shoes reverse j. Inflate to 30 lbs. pressure k. Replace/change to opposite wheel.</p>
<p><b>④ Excessive Pedal Travel</b></p> <p><u>Symptoms</u></p> <ul style="list-style-type: none"> <li>a. Normal lining wear</li> <li>b. Lining worn out</li> <li>c. Leak in brake line</li> <li>d. Scored brake drums</li> <li>e. Incorrect brake lining</li> <li>f. Air in hydraulic system</li> </ul>	<p>Most likely Remedy a. Adjust b. Replace lining c. Locate and repair d. Replace or Regrind e. Replace brake lining f. Fill master cylinder/bleed lines</p>
<p><b>⑤ Spongy Brake Pedal</b></p> <p><u>Symptoms</u></p> <ul style="list-style-type: none"> <li>a. Air in Lines</li> <li>b. Brake shoe adjustment incorrect.</li> </ul>	<p>Most likely Remedy a. Bleed lines b. Adjust brake shoes</p>
<p><b>⑥ Excessive Pedal Pressure</b></p> <p><u>Symptoms</u></p> <ul style="list-style-type: none"> <li>a. Oil or brake fluid on lining</li> <li>b. Shoes improperly adjusted</li> <li>c. Warped brake shoes</li> <li>d. Distorted brake drums</li> </ul>	<p>Most likely Remedy a. Replace lining b. Major adjustment c. Replace brake shoes d. Replace or regrind drums</p>

## 7 Squeaky Brakes

### Symptoms

- a. Brake shoes warped or drum distorted
- b. Lining loose
- c. Dirt imbedded in lining
- d. Improper adjustment

Most likely Remedy a. Replace brake shoes and/or drums b. Replace lining c. Clean with wire brush or replace d. Adjust properly



Brakes - Pressure build up? If your brake lever rod is tightened to much, the Master Cylinder piston will not fall back far enough to release fluid back into the inlet



Test Wheel Cylinders with Drums ON! In this case, wheel cylinder appears to be blasted out, it is not! In order to bleed and test your brakes your wheel drums need to be installed!



Share your experience !

Please submit experiences, and we will post them ....