






# INSTRUCTIONS FOR THE REMOVAL AND FITMENT OF BRAKE SHOES

## FIT THE BRAKE SHOES ONE SIDE AT A TIME SO THAT YOU HAVE THE OPPOSITE SIDE AS A REFERENCE ON FITMENT AND POSITIONING OF THE BRAKE SHOES, SPRINGS AND CLIPS



1. LOOSEN THE WHEEL BOLTS OR NUTS USING A WHEEL SPANNER
2. SUPPORT THE WHEELS THAT ARE NOT BEING JACKED UP
3. JACK UP THE VEHICLE USING A SUITABLE JACKING POINT
4.  INSERT AXLE STANDS AT SUITABLE POINTS FOR YOUR SAFETY
5. REMOVE WHEELS
6. RELEASE THE HANDBRAKE AND IF NECESSARY ADJUST THE HANDBRAKE ADJUSTMENT DOWN, SO THAT THE REAR DRUMS CAN BE REMOVED
7. REMOVE THE REAR BRAKE DRUMS
8. CLEAN OUT THE BRAKE SHOES AND BACKING PLATE USING SOAPY WATER AND A BRUSH OR A SUITABLE DEGREASER
9.  DO NOT USE PARAFIN, TURPENTINE OR PETROL ON BRAKE SHOE LININGS AS THEY ARE MINERAL BASED AND WILL LEAVE OILY RESIDUE BEHIND ON THE FRICTION MATERIAL
10. USE BRAKE PARTS CLEANER OR SOAPY WATER
11.  AVOID BLOWING DUST OUT WITH COMPRESSED AIR AS THIS COULD BE DETRIMENTAL TO YOURSELF AND THE PEOPLE WORKING IN CLOSE PROXIMITY TO YOU
12. USING A SPRING MOUNTING TOOL OR A PAIR OF PLIERS, REMOVE THE BRAKE SHOE RETAINING PINS AND SPRINGS
13. USING BRAKE SPRING PLIERS, REMOVE BRAKE SHOE SPRINGS. REMOVE CROSS BRACE AND ADJUSTER
14. BRAKE SHOES SHOULD NOW BE LOOSE EXCEPT FOR THE HANDBRAKE SHOE WHERE THE HANDBRAKE CABLE IS STILL ATTACHED.
15. DETACH THE CABLE FROM THE HANDBRAKE LEVER
16. REMEMBER TO CHECK POSITIONS OF BRAKE SHOES AS WELL AS SPRINGS AND CLIPS ON THE BACKING PLATE BEFORE REMOVAL. DO ONE SIDE AT THE TIME. SHOULD THE REPOSITIONING OF THE SPRINGS AND CLIPS BE FORGOTTEN, CHECK THE OTHER SIDE.
17. INSPECT BRAKE DRUM FOR DAMAGE OR WEAR
18. MEASURE DRUM TO CHECK IF THE DRUM IS STILL WITHIN THE PERMISSIBLE WORKING DIAMETER. IF IT HAS EXCEEDED THE MAXIMUM DIAMETER ALLOWED REPLACE DRUM. THE NORM IS 2mm BIGGER
19. SKIM OR REPLACE BRAKE DRUM
20. CHECK REAR WHEEL CYLINDER FOR DAMAGE OR LEAKS. PULL BACK THE DUST COVERS AT EITHER END OF THE WHEEL CYLINDERS TO CHECK FOR BRAKE FLUID LEAKS. OVERHAUL OR REPLACE THE WHEEL CYLINDERS IF THEY ARE LEAKING. REMEMBER TO BLEED THE BRAKING SYSTEM IF NEW WHEEL CYLINDERS HAVE BEEN REPLACED. USE AN APPROVED BRAKE FLUID
21.  ENSURE ADJUSTER IS SERVICED BEFORE REFITTING. CLEAN ADJUSTER AND LUBRICATE THE THREAD WITH GREASE.
22. RE FIT NEW BRAKE SHOES IN REVERSE ORDER TO DISASSEMBLY
23. ENSURE NOT TO GET ANY GREASE OR BRAKE FLUID ONTO THE BRAKE SHOE LININGS
24. ENSURE THAT THE HANDBRAKE LEVERS ARE FULLY RETRACTED BEFORE BRAKE SHOE ADJUSTMENT BEGINS
25. CHECK HANDBRAKE CABLE TO ENSURE FREE MOVEMENT
26. SERVICE OR REPLACE ANY STICKY OR SEIZED HANDBRAKE CABLES
27. RE FIT THE BRAKE DRUMS
28. ADJUST THE BRAKE SHOES TO MANUFACTURERS SPECIFICATIONS
29. ADJUST THE HANDBRAKE TO MANUFACTURERS SPECIFICATIONS
30.  RE FIT WHEELS AND TIGHTEN BOLTS OR NUTS TO MANUFACTURERS SPECIFICATIONS
31. REMOVE TRESTLES AND JACK DOWN THE VEHICLE
32. REMOVE CHUCKS
33. TEST DRIVE VEHICLE AND BED IN BRAKE SHOES.

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