Brake system diagnostics and repair procedure

1. Introduction
   The braking system is a key component for safety
   Vehicle. The following procedure specifies the diagnostic and repair steps for the system
   in accordance with the manufacturer's standards.

2. List of required tools

   o Torque wrench

   o Disc and pad thickness measurement sensor

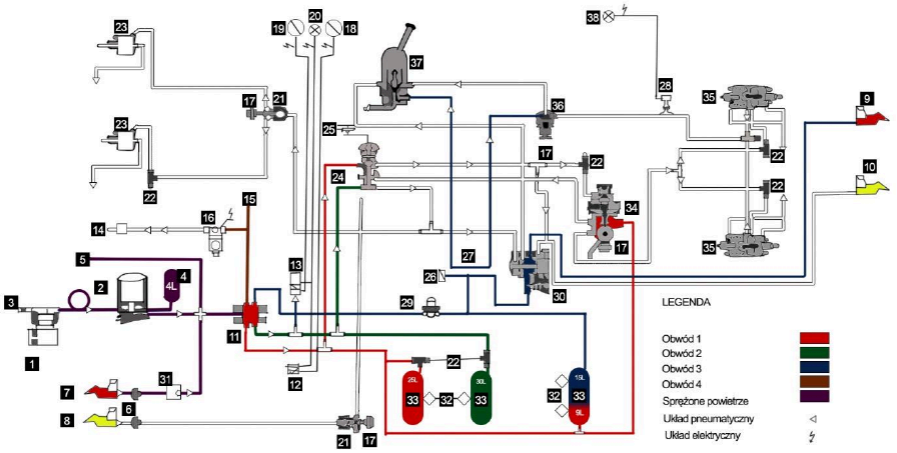
   o Brake fluid pressure tester

   o Diagnostic PC with OEM software

   o Hydraulic Jack

3. Diagnostic procedure
   a) Visual inspection – checking the condition of brake pads, discs and
   brake lines for wear and leakage.
   (b) Measurement of pad and disc thickness – use of a measuring sensor to determine the
   degree of wear. c) System pressure test – connection of the pressure tester to the
   brake hoses and comparing the values with the manufacturer's recommendations. d)
   Computer diagnostics – connecting a diagnostic computer in order to
   reading possible errors related to ABS/ESP.

Układ hamulcowy MAN L2000



4. Repair procedure
   a) Replacement of brake pads and discs – if the thickness of the elements is below
   standards shall be replaced with new ones in accordance with the manufacturer's procedure. b)
   Bleeding system – removing air from the brake system in order to
   ensure proper operation. c) Brake fluid check –
   checking the level and changing the fluid according to the schedule
   inspections. d) System calibration – adaptation of ABS and ESP sensors
   after replacing components.

5. Final test
   After completing the work, perform a braking test on the test bench
   and a road test to verify the correct operation of the system.