

Contents for the Maintenance and Troubleshooting of Anti-lock Braking System for Automobile Craftsmen in Nigeria

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Abstract : The study determined the contents for the maintenance and troubleshooting of an anti-lock braking system for automobile craftsmen in Nigeria. Two research questions were raised and answered and two null hypotheses were formulated and tested at a .05 level of significance. The study adopted a descriptive survey research design. The study was conducted in Federal Capital Territory (FCT), Abuja, Kaduna, Kano, Lagos and Plateau States, Nigeria. The targeted population for the study was 99 consisting of all 43 non-teaching Subject Matter Experts (SMEs). The study utilized the whole population of the study. The instruments used for data collection were Anti-lock Braking System Maintenance and Troubleshooting Contents Questionnaire (ABSMTQ). Mean was used to analyze data that answered research questions and Z-test was used in testing the null hypotheses. Findings revealed, among others, that 81 items as content for the maintenance of ABS and 61 items as content for troubleshooting ABS for automobile craftsmen in Nigeria. Based on the findings of the study, the recommended, among others, that the National Board for Technical Education should include the contents for the maintenance and troubleshooting ABS in Motor Vehicle Mechanic Works curriculum used for training automobile craftsmen through the process of curriculum review in order to equip them with the competencies in troubleshooting and maintenance of ABS.

Keywords : anti-lock braking system, maintenance, troubleshooting, automobile craftsmen

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