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Product Name :
Electromechanical Power Steering

Product Code :
LBNY-0005-120000126



Description :

In this functional model of an original electromechanical power steering the components are exposed within the steering housing in order to demonstrate for example the operation of the double drive pinion. The system has a control panel with emergency stop switch, ignition switch, indicator light and OBD interface. The power supply is provided by a vehicle battery. Optional error circuit 6 switches / 12 errors and associated test sockets in 4mm design. Because of the extremely high forces on all moving parts and rotating the open areas were fitted with transparent covers for safety. More representable functions are active reset in the directional stability as well as the controlled demand for power consumption for reduction in fuel consumption. Steering angle, power consumption and torque can be tested and measured using standard workshop diagnostic systems via the OBD interface. The communication between the control unit for steering column electronics, the diagnostic interface (gateway) and the Diagnostic Interface (OBD) is done via CAN Bus. Thus, the required effort with and without assistance can be represented visually. In order to increase the steering force partially, a resistance pressure box is mounted.

Technical Specification :

Power supply: 110/240 Volt power supply
Dimensions: L x W x H 102 x 95 x 145 cm
Weight: 80 kg.

Laboratory Instrument India

