

Toyota Avensis Parking Brake Assembly Components And Parts

AutocarTellVehicle Electronics to Digital MobilityParking Brake SystemElectric Parking Brake SystemAerostar Self-adjusting Parking Brake SystemStandard for Service Brakes, Emergency Brake and Parking Brake Systems-passenger CarsParking Brake Control Identification - Vehicles with Hydraulic Brake Systems and Automatic TransmissionsUtility Vehicle WorkshopAutomotive BrakesAir Disc Brake Actuator Test Requirements Motor Industry Research Association (MIRA), Nuneaton (GB) M. Barbosa Truck and Bus Hydraulic Brake Committee Herbert E. Ellinger Truck and Bus Brake Actuator Committee

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the scope and purpose of the sae recommended practice is to provide standards for the control and indication of parking brakes in hydraulic braked vehicles over 4540 kg 10 000 lb gvwr this recommended practice pertains to automatic transmission applications and supplements the sae j915 recommended practice this recommended practice does not address parking brake system performance parking brake system performance both static and dynamic conditions is the responsibility of the oem vehicle manufacturer or manufacturers that modify the vehicle by adding special vocational required equipment such as but not limited to outriggers cranes etc there are several parking brake indication and control philosophies for hydraulic braked vehicles with a gvwr greater than 4540 kg 10 000 lb for future vehicle and parking brake system designs this recommended practice is intended to be a guide for consideration the implementation of this new recommended practice will reduce operator confusion and promote standardization in all hydraulic braked vehicles this recommended practice is intended to supplement the sae j915 automatic transmissions manual control sequence recommended practice as it relates to the various parking brake indication options major vehicle manufacturers were surveyed and current practices were identified to assist in the development of this document where necessary or possible all current practices were included in this document to allow for alternative methods to provide the specific functions the task force recognized that both the p and pb indication options existed in current vehicle applications the team evaluated the benefits and risks of both approaches and the following is a summary of the results in

conclusion it was decided to recommend the pb indication as the standard method pb gives indication to the driver that the parking mechanism is a friction based product that wears and can yield over time is different from a park pawl in that it can sometimes be released independently by other manual means may not be acceptable in canada french language and iso complications p minimizes confusion for driver why should he or she care how vehicle is held in park as long as it is besides the indication recommendations a transmission parking pawl and a mechanical friction parking brake should not be actuated with the same or single actuation device or method besides the operator not knowing which parking brake function is actually holding the vehicle there can be binding and brake release sequence issues with having a single parking actuation function

this sae recommended practice provides test performance requirements for air disc brake actuators for service and combination service parking brake actuators with respect to function durability and environmental performance when tested according to sae j2902 piston spring brakes are becoming increasing common in north america with the continued adoption of air disc brake this update defines the performance requirements for these types of spring brakes this update also harmonizes the t18 service force output with sae j2318 and removes the reference to din 74060 3 2002 for this size

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