

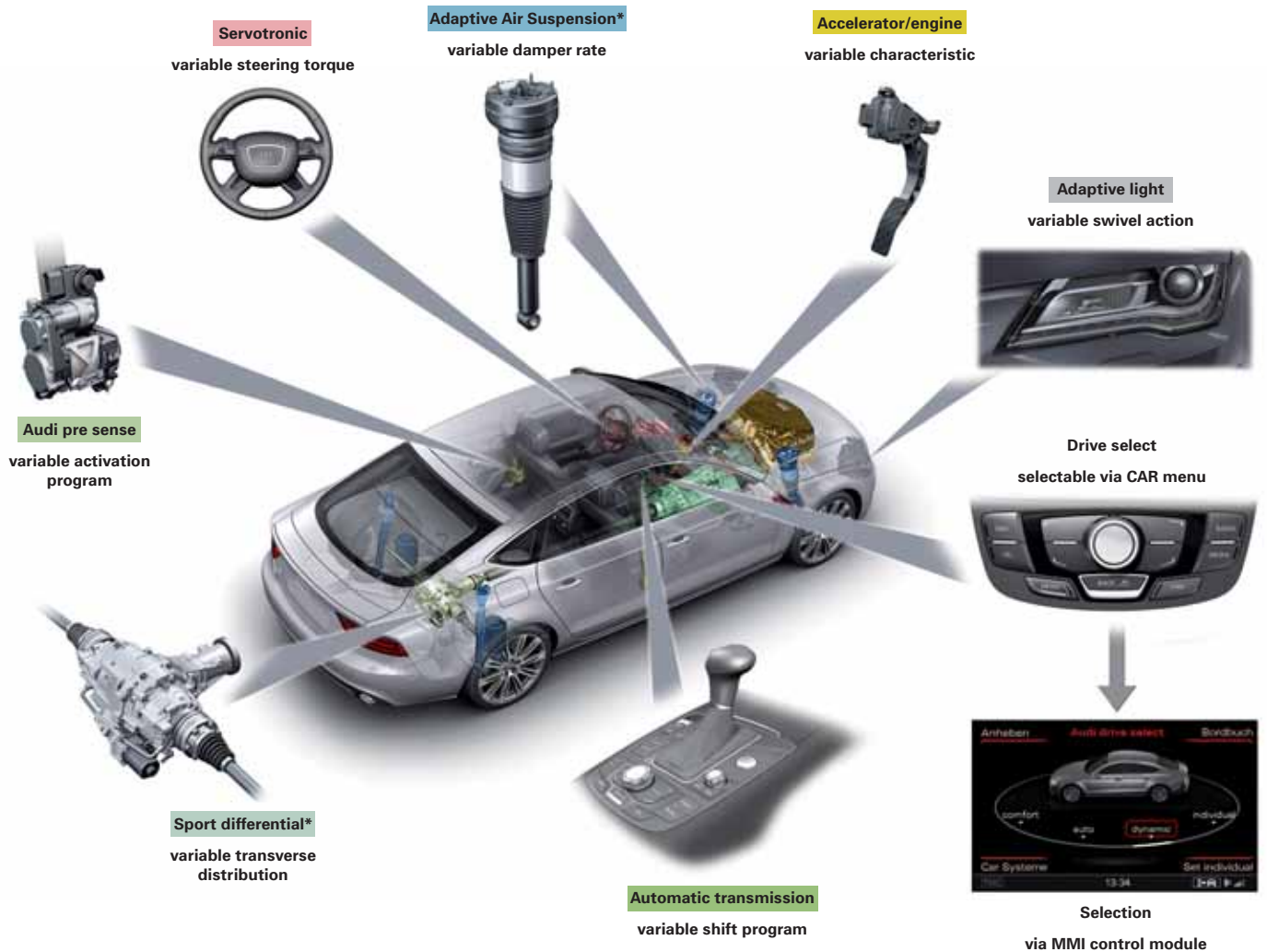
Audi Drive Select

Audi drive select will also be offered on the 2012 A7.

There are three modes: "comfort", "auto", and "dynamic". The driver can select these via the MMI control panel and, for example, switch from a sport to a comfort driving mode. The driver can use the individual mode to configure the vehicle setup to suit his personal preferences.

For instance, a sport engine setup can be combined with light steering action. The trim level dictates which systems are configurable by Audi drive select. In all cases, the engine, transmission, and steering systems are controlled.

Optionally, the following systems can be set via Audi drive select: sport differential, cornering light, reversible seatbelt pretensioners, and the Adaptive Air Suspension.



*Not on US models at the introduction of the A7.

Operating Modes

In each Audi drive select operating mode, the vehicle is adapted and controlled by various vehicle systems depending on driving situation and speed.

comfort

The “comfort” mode provides a comfort oriented vehicle setup. The engine, automatic transmission, and sport differential respond moderately to accelerator pedal inputs. The steering is light, and the air suspension and corner light employ their comfort characteristics. This setting is suited to driving long distances or on expressways.

auto

The “auto” mode provides a comfortable yet more dynamic overall driving feel. This setting is well suited to everyday use.

dynamic

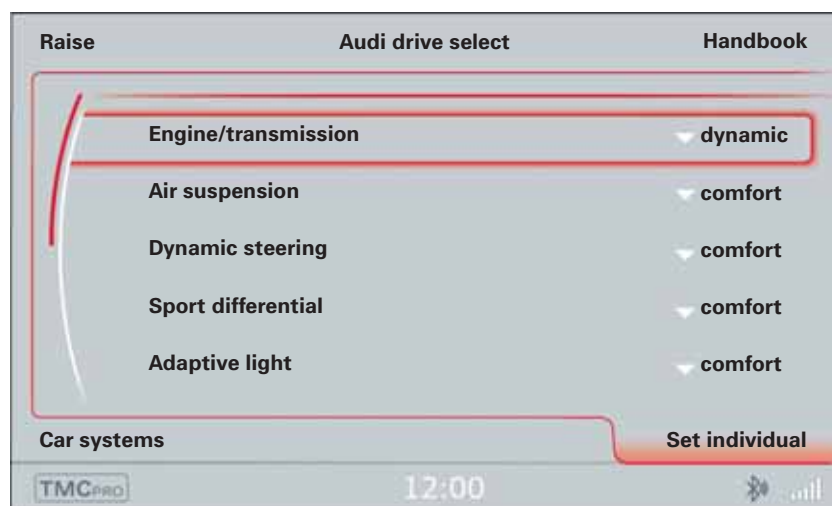
The “dynamic” mode gives the vehicle a sport driving feel. Throttle response is more immediate and the steering is configured for sport handling. The sport differential provides extra agility, the air suspension is firmer, and the transmission adjusts its shift points to a higher rpm range. In addition, the adaptive light employs its dynamic characteristic.

individual

In “individual” mode, the driver can select their own personal setup. These settings are stored and assigned to the key in use.

Unlike the Audi A5/S5, Audi A4, and Audi Q5, which have a separate switch module for setting Audi drive select, A7 settings are made through the MMI controls using the turn/push button. After pushing the “CAR” function button in the MMI menu, the operating modes can be selected.

If the driver also presses the “Set individual” control button, the various vehicle systems can be configured individually.



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Characteristics

The engine and transmission respond more immediately or more moderately, depending on accelerator pedal inputs. The servotronic power steering is adapted to the driving situation and is lighter or firmer, depending on which setting is selected.

The Adaptive Air Suspension, "Air suspension" in the MMI, is an electronically controlled air suspension and damping system. It responds to mode selection, driver inputs (steering, brake, and accelerator), road surface, vehicle speed, and payload.







Vehicle ground clearance varies according to selected mode and speed. If the driver is driving in "auto" or "dynamic" mode at a speed of over 74.5 mph (120 km/h) for longer than 30 seconds, the ride height is set automatically. If the vehicle's speed drops below 43.4 mph (70 km/h) for longer than 120 seconds, ground clearance is automatically increased.

In "dynamic" mode, the deployment thresholds of the reversible belt pretensioners are adjusted according to transverse dynamics.

As an integral part of the all-wheel drive quattro, the sport differential distributes drive power to the rear axle. The distribution of power varies, depending on which mode has been selected. A high level of agility and acceleration are achieved when cornering, with the vehicle responding very quickly to steering inputs.

The cornering light adapts to the curvature of a corner at speeds of between 6.2 and 68.3 mph (10 and 110 km/h). The swivel action of the light and illumination level are also adapted to this mode.

Mode Characteristics

		comfort	auto	dynamic
	Engine/transmission	balanced	balanced	sport
	Air suspension*	comfort	balanced	sport
	Steering	comfort	balanced	sport
	Sport differential*	balanced	responsive	sport
	Adaptive light	comfort	balanced	sport
	Reversible belt pretensioners	standard	standard	adapted activation timing

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