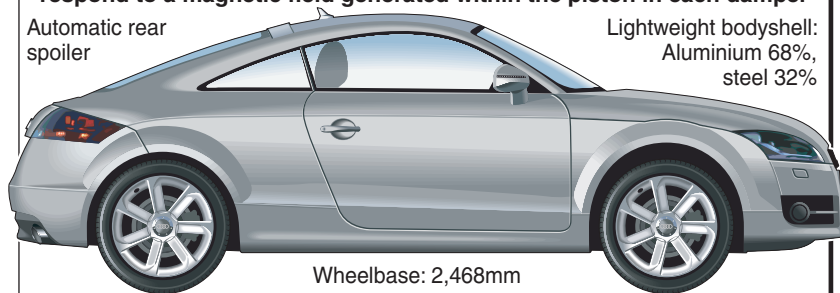


Audi TT Coupé delivers magnetic ride

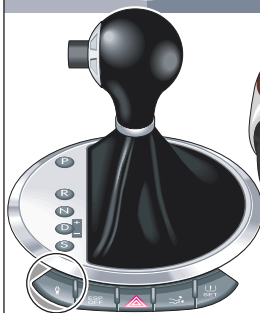
The new Audi TT Coupé uses magneto-rheological (MR) shock absorbers, whose stiffness can be electronically adjusted within milliseconds. They use a synthetic oil containing microscopic metal particles which respond to a magnetic field generated within the piston in each damper

Automatic rear spoiler

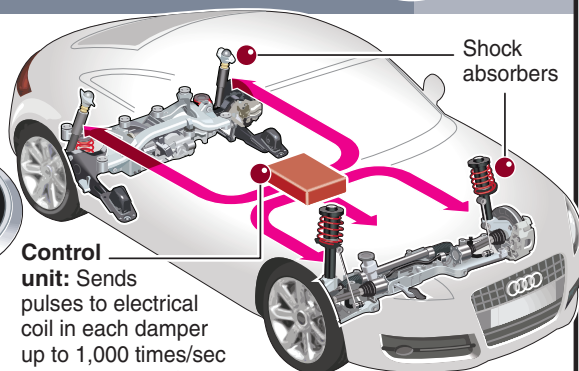
Lightweight bodyshell:
Aluminium 68%,
steel 32%



Wheelbase: 2,468mm



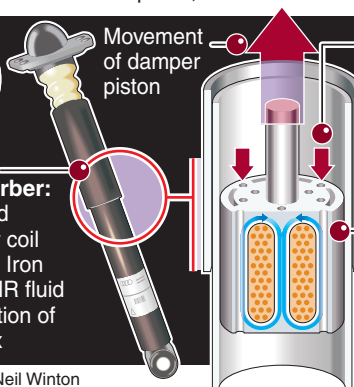
Normal or Sport mode
activated by button



Control unit: Sends pulses to electrical coil in each damper up to 1,000 times/sec



Smart fluid shock absorber: Magnetic field generated by coil inside piston. Iron particles in MR fluid align in direction of magnetic flux



Fluid flows through "admission ports" in piston

Aligned particles increase viscosity of suspension fluid, restricting flow and increasing pressure above piston

