

Audi A6

Featured model: 2.4SE (2WD) Multitronic



WE'VE SAMPLED THE A6 before, in both 2.4 manual and automatic versions. However, this test is on a significant new automatic transmission dubbed Multitronic. In fact, it's a continuously variable type, that until recently has been seen only in small cars with low-powered engines.

This Audi is far and away the most powerful CVT to date. To achieve this, Audi and partner LuK have developed the internal chain-drive and the variable pulley mechanism significantly. Just as important, they've drastically reduced the mechanical losses associated with the hydraulic pump that's needed to clamp the pulley surfaces together. And to ensure that this 'box drives without unwelcome surging or clumsy take-offs from rest, the whole thing is electronically controlled, which makes it possible to add some useful driving responses.

For example, when the car is going down a steep hill, the transmission "changes down" to enhance engine braking, as you feather the brake. Also, the ECU will "learn" what driving mood you're in by your pedal actions and use high or low gearing to suit. Creep is present for easy hill starts, but with the brake on, this effect is lessened, to save fuel.

Because of its efficiency, this transmission will out-accelerate both the five-speed manual and the conventional automatic A6 (which are currently still available); it also puts illustrious competitors in the shade, as our table of rivals shows. Show restraint

and it will give impressive mpg figures – overall, we found it matched the five-speed manual exactly.

Any remaining snags? Well, there's still a second's delay as you stab the accelerator hard from rest (at a T-junction in the rush hour, say). You can get round this by "two-footing" i.e., gently squeezing the gas pedal while holding the car back on the brake for a couple of seconds before you make your move. In fact, if you squeeze the accelerator more gently, the car glides away without the delay, but less rapidly, of course.

The other impediment to this transmission's general acceptance is a psychological one. Most drivers, familiar with engines revving up and down as a sign that they're making progress, aren't used to the idea of gearing that continuously varies to keep the engine speed the same. This enhances mechanical refinement, of course – the engine is wonderfully smooth. However the A6 suspension is less so; set up for smooth West German roads, it becomes too disturbed on British byways.

VERDICT

With delightful (if unnecessary) manual six-speed control offering an alternative pastime, this CVT keeps its promise. No manual gearbox or ace-driver can beat it and it's the first automatic we've tested that costs no more to fuel.

AT A GLANCE

considering size, price and rivals

Overtaking ability	★★★★○
Space/practicality	★★○○○
Controls/displays	★★★★○
Safety	★★★★○
Handling/steering	★★★○○
Comfort	★★○○○
Fuel economy	★★★★○

SPECIFICATION

engine 2393cc, V6 petrol; 165bhp at 6200rpm, 170 lb ft at 3200rpm; belt-driven twin overhead camshafts, 30 valves
transmission continuously variable automatic, front wheel drive; highest ratio gives 29.9 mph/1000rpm in Drive or 6th gear Tiptronic (manual) mode
suspension front: four link with wishbones and coil springs, anti-roll bar. Rear: torsion beam (dead) axle, trailing arms, coil springs, anti-roll bar
steering Servotronic hydraulic power assistance; 2.8 turns lock-to-lock; 11.15m diameter turning circle between kerbs (15.85m for one turn of the wheel)
brakes ventilated discs front, solid discs rear, with standard anti-lock and traction controls
wheels/tyres 7in alloy with 205/55R16W tyres (Dunlop SP Sport 8000 on test car); full size alloy spare

LIKES AND GRIPES

fit and finish inside - superb
 lined, expandable door oddments cubbies
 twenty courtesy lamps - no less!
 rear heating and ventilating outlets

fore and aft seat adjusters too coarse
 rake handwheel heavy going
 boot contents not protected from cabin
 dial dimmer, beam trimmer get confused
 prominent rear centre hump

THE A6 RANGE

size/type large/executive (premium priced) 4 door saloon and estate (Avant)
trim levels standard, SE + additions related to quattro (4WD) versions
engines petrol: 4 cylinder/1.8 litre Turbo/150bhp; V6/2.4/165
 diesel: 4/1.9/110; V6/2.5/150 all 2WD
 4WD (quattro) models: the above plus petrol: V6/2.8/207; V8/4.2/300 or 340; diesel: V6/2.5/180
drive 2/4 wheel drive; 5/6sp man; 4/5sp stepped auto; CVT auto

