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Specifications: 2004 Chrysler Crossfire Coupe

Body & Chassis

Two-seater coupe with all-steel unitary steel body-chassis. Longitudinally mounted front engine driving the rear-wheels via six-speed manual or five-speed automatic (no cost option) transmission and sub-framed mounted rear differential.

Engine

| | |
|----------------------|--|
| Type & layout | Sequential Multi-Point Injection, 90-degree, V6 |
| Description | Liquid-cooled with dual-length intake manifold and dual ignition, with two spark plugs per cylinder. Counter-rotating balancer shaft in centre of V to minimise vibration. |
| Capacity | 3,199 cc (3.2-litres) |
| Max power (SAE net) | 160 kW @ 5,700 rpm |
| Max torque (SAE net) | 310 Nm @ 3,000 rpm |
| Compression ratio | 10.0 to 1 |
| Bore & stroke | 89.9 mm & 84.0 mm |
| Camshafts | Single overhead, per cylinder bank |
| Valve system | 3 per cylinder, 2 intake and 1 exhaust |
| Fuel injection | Sequential, multi-port, electronic |
| Materials | High-pressure die-cast aluminium alloy block with Silitec alloy liners and cast aluminium alloy heads |
| Max engine speed | 6,000 rpm, electronically limited |
| Oil capacity | 8.0 litres, with dry filter |
| Coolant capacity | 11.2 litres |
| Fuel requirement | 91 RON Unleaded Petrol |
| Emission controls | Three-way catalytic converters and internal engine features |
| Emission standards | Meets EU4 emission requirements in Europe |

Manual transmission (standard)

| | |
|-------------------|---|
| Description | Six-speed manual, synchronised in all forward gears |
| Clutch | Hydraulically operated, single plate dry clutch |
| Gear ratios | |
| 1st | 4.459 |
| 2nd | 2.614 |
| 3rd | 1.723 |
| 4th | 1.245 |
| 5th | 1.00 |
| 6th | 0.838 |
| Reverse | 4.062 |
| Final drive ratio | 3.27 |
| Overall top gear | 2.74 |

Automatic transmission (no cost option)

Description Five-speed electronically controlled adaptive automatic transmission, with choice of fully automatic operation or AutoStick® driver-operated manual control. Choice of S (standard) and W (winter) driving modes. Fuel-saving torque converter lock-up. Brake/Park interlock.

| | |
|-----------------------|--------------------------|
| Clutch | Lock up torque converter |
| Converter stall ratio | 1.8 |
| Gear ratios | |
| 1st | 3.95 |
| 2nd | 2.423 |
| 3rd | 1.486 |
| 4th | 1 |
| 5th | 0.833 |
| Reverse | 3.147 / 1.93 |
| Final drive ratio | 3.27 |
| Overall top gear | 2.74 |

Driveline and rear axle

Two-piece propshaft with four constant-velocity universal joints to minimise vibrations. Rear axle has 3.27:1 ratio for optimum blend of performance and economy. Driveshaft to each rear wheel fitted with two constant velocity universal joints.

Suspension and damping

| | |
|-------|---|
| Front | Independent by double wishbones, with anti-dive geometry Coil springs, gas-filled shock absorbers 25 mm anti-roll bar 155 mm of wheel travel |
| Rear | Independent five-link, with anti-squat geometry Coil springs and gas-filled shock absorbers 19 mm anti-roll bar 160 mm of wheel travel |

Steering

| | |
|---------------------|--|
| Type | Power-assisted recirculating ball |
| Overall ratio | 16.7:1 |
| Turning circle | 10.3 m (curb to curb) |
| Gearing | 3.1 turns lock-to-lock |
| Adjustment | Steering wheel adjustable for reach by 46 mm |
| Steering wheel size | 380 mm diameter |

Brakes

| | |
|------------------|--|
| Front | 300 mm x 28 mm ventilated discs |
| Callipers | 57 mm diameter single-piston sliding callipers |
| Swept area | 1814 sq cm |
| Rear | 278 mm x 9-mm solid discs |
| Callipers | 36 mm diameter opposed-piston callipers |
| Swept area | 1417 sq cm |
| Power assistance | Single diaphragm vacuum |

Wheels and tyres

| | |
|--------------------|--|
| Type & material | Cast aluminium with x-bolt mountings |
| Front | 18 x 7.5 inch, with 225 / 40 ZR 18 tyres |
| Rear | 19 x 9.0 inch, with 255 / 35 ZR 19 tyres |
| Tyre make & type* | Michelin Pilot Sport 2 / 2nd Generation |
| Revs per Kilometre | 491 at 120 kph |

* Other sizes and brands may also be used.

Electrical system

| | |
|------------|---|
| Alternator | 115 Amp |
| Battery | 700 CCA. maintenance-free, in Group 48 case |

Dimensions (exterior*)

| | |
|------------------|----------|
| Overall length | 4059 mm |
| Overall width | 1766 mm |
| Overall height | 1305 mm |
| Wheelbase | 2400 mm |
| Front track | 1493 mm |
| Rear track | 1502 mm |
| Ground clearance | 124 mm |
| Frontal area | 1.91 sqm |
| Drag coefficient | 0.37 Cd |

* All dimensions measured at curb weight.

Dimensions (interior)

| | |
|--------------------|------------|
| Headroom | 936 mm |
| Legroom | 1085 mm |
| Shoulder room | 1338 mm |
| Hip room | 1354 mm |
| Seat travel | 194 mm |
| Volume index | 1.36 cu m |
| Cargo volume index | 215 litres |

Weights and capacities

| | |
|-------------------------|------------------------|
| Curb weight (manual) | 1388 kg |
| Curb weight (automatic) | 1399 kg |
| Weight distribution | 54 % front / 46 % rear |
| Luggage capacity | 94 kg |
| Fuel tank capacity | 60 litres |
| Fuel type | 91 RON unleaded petrol |

Fuel consumption*

Manual Transmission

| | |
|---------------------|--------------|
| Urban | 15.4 l/100km |
| Extra urban | 7.6 l/100km |
| Combined | 10.4 l/100km |
| Combined CO2 rating | 256 g/km |

Automatic Transmission

| | |
|---------------------|--------------|
| Urban | 14.3 l/100km |
| Extra urban | 7.7 l/100km |
| Combined | 10.1 l/100km |
| Combined CO2 rating | 239 g/km |

* Preliminary estimates based on New European Driving Cycle, subject to certification approval.

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