

Cat 1: European under \$75k



WORKSHOP

CAR:	VW Golf 118 TSI	VW Scirocco	Golf GTI	Audi S3	Golf R	BMW 135i
WHO:	Rennenhaus	Scuderia Imports	APR Australia	Peak Performance	APR Australia	Evolve Technik
WHERE:	PO Box 5157, Dora Creek, NSW 2264	2/39 Hotham Pde, Artarmon, NSW 2064	2/63 Fisher Street, East Brisbane, Qld 4169	80 Macarthur Street, Parramatta, NSW 2151	2/63 Fisher Street, East Brisbane, Qld 4169	4/27-29 Lexton Rd, Box Hill North, VIC 3129
HOW LONG:	Since 2006	Since 2010	Since 1998	Since 1985	Since 1998	Since 2009
SPECIALTY:	Tuning and performance modifications for Volkswagen, Audi, BMW and Mini.	Sourcing, importing, complying, servicing and sales of prestige vehicles.	Engineered Performance for Audi, Volkswagen, Porsche and Skoda	Tuning European marques of Mercedes, BMW, Audi, VW, Mini and Porsche	Engineered Performance for Audi, Volkswagen, Porsche and Skoda	European vehicles with a focus on improving both performance and efficiency
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SPECIFICATIONS

DRIVE	front wheels	front wheels	front wheels	all wheels	all wheels	rear wheels
ENGINE	in-line 4, DOHC, 16v, twin-charged	in-line 4, DOHC, 16v, turbocharged	in-line 4, DOHC, 16v, turbocharged	in-line 4, DOHC, 16v, turbocharged	in-line 4, DOHC, 16v, turbocharged	in-line 6, DOHC, 24v, twin turbocharged
CAPACITY	1390cc	1781cc	1984cc	1984cc	1984cc	2979cc
POWER	147kW [awkW]	195kW [awkW]	218kW [awkW]	188kW [awkW]	230kW [awkW]	225kW [awkW]
KERB WEIGHT	1310kg	1298kg	1360kg	1455kg	1476kg	1485kg
TRANSMISSION	6-speed manual	6-speed dual-clutch	6-speed manual	6-speed twin-clutch	6-speed manual	6-speed manual
SUSPENSION (STD)	A-arms, coilovers, anti-roll bar [f]; multi-links, coil-overs, anti-roll bar [r]	A-arms, coil-overs, anti-roll bar [f]; multi-links, coil-overs, anti-roll bar [r]	A-arms, coil-overs, anti-roll bar [f]; multi-links, coil-overs, anti-roll bar [r]	A-arms, coil-overs, anti-roll bar [f]; multi-links, coil-overs, anti-roll bar [r]	A-arms, coil-overs, anti-roll bar [f]; multi-link, coil-overs, anti-roll bar [r]	A-arms, coil-overs [f]; multi-link, coil-overs, anti-roll bar [r]
BRAKES	352mm ventilated discs, six-piston calipers [f]; 310mm ventilated discs, single-piston calipers [r]; ABS, EBD, BA, ESP	365mm ventilated discs, eight-piston calipers [f]; 335mm ventilated discs, single-piston calipers [r]; ABS, EBD, BA, ESP	370mm ventilated discs, four-piston calipers [f]; 272mm solid discs, single-piston calipers [r]; ABS, EBD, BA, ESP	365mm ventilated discs, six-piston calipers [f]; 310mm ventilated discs, two-piston calipers [r]; ABS, EBD, BA, ESP	370mm ventilated discs, four-piston calipers [f]; 310mm ventilated discs, single-piston calipers [r]; ABS, EBD, BA, ESP	338mm ventilated discs, six-piston calipers [f]; 324mm ventilated discs, two-piston calipers [r]; ABS, EBD, BA, ESP
WHEELS	18 x 8.0-inch, alloy	19 x 10-inch, alloy	18 x 8-inch, alloy	18 x 8-inch, alloy	18 x 8-inch, alloy	18 x 7.5-inch [f], 18 x 8.5-inch [r]
TYRES	Dunlop Direzza 03G	Michelin Pilot Sport Cup	Hankook Ventus	Dunlop Direzza 03G	Hankook Ventus	Dunlop Direzza 03G
SIZE	225/40 R18	245/30 R19	235/35 R18	225/40 R18	235/35 R18	235/40 R18 [f], 245/40 R18

PARTS AND PRICES

All prices include fitting	ECU tune \$850	Engine pack \$11,500	Turbo pack \$9,995	ECU tune \$1550	Turbo pack \$11250	ECU tune \$2175
Exhaust \$2500	ECU tune incl.	Turbocharger incl.	Fuel system \$1695	Turbocharger incl.	Blow-off Valve x2 \$626	Blow-off Valve x2 \$626
Diff \$1200	Intercooler incl.	Intercooler incl.	Exhaust \$3650	Intercooler incl.	Intercooler \$2269	Intercooler \$2269
Intake \$350	Fuel system incl.	Exhaust \$3100	Suspension \$2850	Fuel system incl.	Exhaust \$2341	Exhaust \$2341
Suspension \$4500	Exhaust \$3995	Clutch \$3500	Sway bar f/r \$1150	Clutch \$3500	Diff \$4400	Diff \$4400
Sway bar F/R \$570	Diff \$5600	Diff \$3500	Brakes \$4820	Diff \$1950	Suspension \$5200	Suspension \$5200
Bush kit \$400	Transmission ECU \$2750	Suspension \$3400	Castor kit \$285	Exhaust \$3100	Sway bar f/r \$1306	Sway bar f/r \$1306
Brakes \$4600	Suspension \$4600	Sway bar f/r \$1100	Wheels \$2499	Suspension \$3400	Brakes \$800	Brakes \$800
Wheels \$1700	Brakes \$11,500	Brakes \$4500	Tyres \$2120	Sway bar f/r \$1100	Tyres \$2540	Tyres \$2540
Tyres \$2000	Wheels \$8400	Wheels \$2400	Induction \$723	Diff \$1950	Carbon spoiler [r] \$525	Carbon spoiler [r] \$525
	Tyres \$3400	Tyres \$2000		Brakes \$4500	Alloy pedals \$250	Alloy pedals \$250
	Air intake/filter \$779			Wheels \$2400		
				Tyres \$2000		
TOTAL MODS COST	\$18,670	\$52,524	\$24,395	\$21,342	\$34,100	\$21,697
VEHICLE PRICE (MRP)	\$29,490	\$74,990	\$40,490	\$68,000	\$49,990	\$74,700
TOTAL PRICE	\$48,160	\$127,514	\$64,885	\$89,342	\$84,090	\$96,397

JUDGES COMMENTS



"A nice balance; there's always that constant front-drive battle of trying to get drive, but once the power comes on it's quite smooth."

"Woah! A handful in these conditions. Thank goodness for stability control: you can drive in really hard and kind of gather it all up!"

"Cool! The VW software pulls the brakes on in the corners - fantastic on the road, but you need to drive it differently on the track."

"It's quite predictable in the front end; you can really push it in with a bit of speed. It's critical that you're not on the brakes too much."

"Nice handling and power delivery. Once again, the brakes come on so there's a few scary moments. But it's quicker than its sister."

"You can drive it with a bit of understeer knowing the back won't step out. The engine's really torquey, but it's down on straight-line speed"

TOTAL POINTS

POWER (AWKW)	3.86	5.30	5.91	5.10	6.26	6.12
0-100KM/H	5.35	7.06	6.47	8.45	6.74	7.23
0-400M	7.84	8.66	8.54	9.13	8.82	8.73
V-MAX @ 400M	7.58	8.24	8.76	8.69	8.58	8.61
100KM/H-0	4.08	4.31	4.46	4.24	4.31	5.00
APEX SPEED TURN 1	4.48	4.55	4.93	4.47	5.00	4.83
APEX SPEED TURN 8	4.68	4.50	4.47	4.20	4.80	4.84
LAP TIME	18.89	19.23	19.85	19.28	20.00	19.96
V-MAX LAP	4.13	4.49	4.72	4.60	4.7	4.73
MOTORKHANA	17.69	19.2	18.26	18.40	18.61	18.26
TOTAL	78.58	85.54	86.37	86.56	87.82	88.31