

FOURNALES ARE NOT FROG'S LEGS

Fournales Suspension does not release many new shock absorbers designed to retrofit motorcycles, mainly because the basic concept for them goes back to a universal law of physics known as the Boyle/Mariotte law that was discovered in the 19th century.

This law says that if you reduce the volume of a cylinder by half, the pressure inside it will double and keep on doubling exponentially. The same law applies to internal combustion engines, compressors and any other devices pressurised with gases including air. See: <http://encyclopedia.thefreedictionary.com/Boyle-Mariotte+law>

Jean-Pierre Fournales, an aeronautical engineer and founder of the small French company, got the idea from the landing gear of the Concorde supersonic airliner and wanted to adapt the technology for the Bultaco he was motocross racing in the '70s.

All his suspension systems are assembled by hand in a vacuumed workshop by engineers and highly qualified technicians wearing the sort of garments we see on surgeons.

Each part is engraved with a serial number whose last digit can trace the assembly to a particular technician.

Why go to all this trouble for shock absorbers being fitted on a technically unassertive, modest motorcycle? The answer is simple: Fournales Suspension in Toulouse, France, where Airbuses and numerous other European flying machines are made, designs and manufactures shock absorbers for the aviation industry from ultralight aircraft to commercial airliners, and the standards demanded by the aviation industry are well above those the automotive industry contents itself with.

When, on some motorcycle systems, the pressure can reach 200 bar (that's 200 times atmospheric pressure, or 3000 Psi) there is no room for cutting corners; components and assembly must be perfect should the product reach the half-million kilometres it's designed to withstand – and on any roads, including "challenging" Australian outback ones.

That's the bottom line: and it's far from easy to improve on a design that has proven itself in Australia with extraordinary performances – especially in comfort and disappearance of the dreaded bottoming-out.

Just the same, Fournales Suspension has released a new model in its twin-



As seen in Vol.7 No.3 2015 page 24.

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FOURNALES
SUSPENSION since 1981

- 100% Re-buildable, full-air shocks
- 30 days money back guarantee
- 2 years full factory warranty
- Superb handling. Guaranteed **NO** bottoming out on any roads or goat tracks
- Available for **ALL** Harleys, including custom frames, softails and swingarms
- Pussies...Don't bother!!!**

"Sensational.... should be mandatory on all softails." - Brumby, Heavy Duty

"The Rolls Royce of Shockers..." - Doc, Heavy Duty

"Nothing... no other shock absorbers in the world... behaves like these shocks." - Skol, OZ Bike

"The difference in the bike was amazing: Not all shocks are what they seem..." - Loaf, LTR

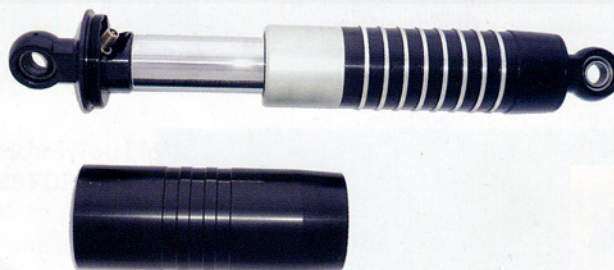
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shock swingarm range (which includes the chromed Classic and Magnum) called All-Alloy. Not only is the unit milled out of solid billet including the yokes at either end, but it is now equipped with high-quality spherical steel bearings protected by O-rings and fitted with milled spacers.

The shocks are black anodised with their bottom halves machined to give them a distinctively modern and almost artistic look.

They sell exclusively from Fournales Australia, the company steadily managed by its founder Bertrand "Le Frog" Cadart who is also famous for other reasons. You may remember him as Clunk, the crowbar-wielding bloke in the attack on the red Chevrolet Impala in the original *Mad Max*. He also customised all of the Kawasaki Z1000s used in the iconic cult film.

A pair of Fournales (pronounced foor-nah-less) All-Alloy will set you back \$1550 plus \$50 for postage and insurance.

They are covered by an official and

genuine factory warranty for two years with unlimited mileage (serial numbers recorded at the factory) and, unique to Australia, Bertrand offers a 30-day money back warranty on all sets.

They are available for all Harley-Davidson, Triumph (including the Rocket 3 and Thunderbird), as well as some Japanese and European cruisers.

For more info, contact Bertrand on the phone or fax (03) 6375 1666. Mobile is 0407 511 454, or via email at lefrogs corner@me.com or www.bertrandcadart.com.au

You can find the factory website (in French!) at www.fournales.fr

