

# AMD™

## AMERICAN MOTORCYCLE DEALER

THE ONLY MAGAZINE FOR THE WORLDWIDE V-TWIN PARTS, ACCESSORY AND PERFORMANCE INDUSTRY

### S&S Cycle confirms launch of 'VIOLA V-TWIN™' Quality Service Parts Program for dealers

DEC 2012

ISSUE #161

**S** &S Cycle is stepping up to the plate with an initiative that seeks to plug the parts-sourcing gap for specialty and independent service shops and custom bike businesses.

Called 'VIOLA V-TWIN™', the program seeks to redress the imbalance caused by changes in availability of OE parts by guiding workshops to aftermarket service parts where they are available, while confirming the OE part number the shop needs to source for items not available through the 'VIOLA V-TWIN™' program.

S&S is publishing a 218 page print catalog and unveiling an online tool that guides independent workshops to the OE components they need and then cross-references S&S and other "high quality" third party alternates to the service they need.

"Quality is a fundamental priority," S&S Marketing Manager Bruce Tessmer told AMD Magazine. "Customers have high standards and expectations where the S&S brand is concerned, and rightly so. Our new

program will make it easier for workshops to identify the quality service parts we offer for an OE product, where we have one. If S&S doesn't have it, we will make the product available from carefully selected manufacturers whose product quality is compatible with our own."



'VIOLA V-TWIN™' is a development from an OE/S&S part number cross-reference guide that S&S released a year ago, and it is reaction to that new guide that has resulted in this new concept.

"Many in the market, especially in the aftermarket, look to S&S for independent and authoritative advice and help, and this program has really grown from that," says S&S President Steve Iggens.

"VIOLA V-TWIN™' will grow into a

comprehensive reference guide and supply source, offering service shops and performance/tuning shops access to simple, straightforward application-specific information that allows them to get on with what they do best - keeping the world's greatest motorcycles on the road," he went on to say.

"There's no question that the economic downturn has changed the character and type of the business most shops can expect to do nowadays, and service plays an increased part in it. It has also changed the supply options that shops have with fitment and application information harder to come by, and smaller orders harder to have fulfilled economically.

"Because the aftermarket looks to S&S as its driveline component brand and vendor of choice, everybody wins if we are able to widen that choice and give the independent workshop and motorcycle dealer community faster, simpler and more cost-effective access to the basics they need on a daily basis."



CCE dealer show returns for 2013



INDUSTRY EXTRA



FEULING PRODUCTS



Lorenzo Solighetto transformed a '46 Knucklehead into a show winner and took the Modified Harley title at the 2012 World of Custom Bike Building. See pages 63-64





BEAST

NEW FOR 2013 IS DNA'S "BEAST" PRODUCED FROM FORGED 6061 ALLOY AND IS AVAILABLE IN POWDER COAT OR TRIPLE CHROME FINISHES. SUITS ALL HARLEY'S THRU 2012.

MADE IN USA



THIRTEEN

VADER

ENVY

BEAST

BEAST BLACK

**EDITOR-IN-CHIEF**

ROBIN BRADLEY  
robin@dealer-world.com

**PUBLISHER**

SONJA WALLACE  
sonja@dealer-world.com

**EDITOR**

DUNCAN MOORE  
duncan@dealer-world.com

**DESIGN & PRODUCTION MANAGER**

BEN OAG  
ben@dealer-world.com

**DESIGN & PRODUCTION EDITOR**

TOM JACKSON  
tom@dealer-world.com

**INFORMATION MANAGER**

NEIL BLABER  
neil@dealer-world.com

**PUBLISHING MANAGER**

BEN BRADLEY  
benb@dealer-world.com

**PROJECT MANAGER**

SARA VINEY  
sara@dealer-world.com

Chapman House,  
Chapman Way,  
Tunbridge Wells  
Kent TN2 3EF, GB  
TEL: 0044 (0)1892 511516  
FAX: 0044 (0)1892 511517

**News** ..... **6-14, 72**



**Bradley Report:** ..... **17-18**

AMD introduces a new feature, a semi-regular column by founder Robin Bradley based on news collected from his conversations with market contacts, show visits, and his inbox...



**Company Feature: Feuling** ..... **23-26**

Feuling made its name in the V-twin industry when it launched the three-cylinder W3 motor. Today the company has taken the technology it developed for that project and has applied it the parts for H-D's Twin Cam



**Products: The new, the best and the must-haves** ..... **32-56**



p.31



p.32



p.34



p.42



p.47



p.50



**World Champs: 'Knuckle '46'** by Boccin Custom Cycles .... **63-64**

Lorenzo Solighetto, of Boccin Custom Cycles, travelled from Italy to the UK and picked up a Modified Harley class win in an affiliate show before going to Sturgis and repeating the feat at the World Championship

**DISCLAIMERS**

No part of AMD may be reproduced or used in any way without permission. The views contained in AMD are not necessarily the views of the publishers. Every effort is made to ensure that all material included is as accurate as possible, however the publishers cannot be held responsible for any erroneous statements, facts, figures or mistakes. All trademarks, brand names and other key words are used purely for descriptive purposes. No approval, endorsement of, or involvement in the contents of AMD is implied by the use of these or any other words, names or marks associated with all or any companies. All trademarks acknowledged.

'World Championship of Custom Bike Building' is a registered trademark of Robin A. Bradley, Dealer-World.com

**POST MASTER**

AMD (ISSN 1465-7627) is published monthly by Dealer-World.com, Chapman House, Chapman Way, Tunbridge Wells, Kent TN2 3EF, United Kingdom. Subscription price \$200 per year. Postmaster: Please send address changes to: AMD, Dealer-World.com, Chapman House, Chapman Way, Tunbridge Wells, Kent TN2 3EF, United Kingdom or e-mail to ben.bradley@dealer-world.com

PRINT BY WARNER'S MIDLANDS  
BOURNE, LINCOLNSHIRE, GB

**ISSN 1465-7627**

**TOLL FREE... FROM USA/CANADA:**  
**TEL: 1-866 849 5704 FAX: 1-866 521 0099**

If for any reason you can't connect via our toll free numbers then dial TEL: 01144 1892 511516 - Fax: 01144 1892 511517

**BIG BIKE EUROPE**  
PERFORMANCE • CUSTOM • TUNING

**MESSE ESSEN, Germany**  
May 10-12, 2013

The European 'Headquarters' Expo for the International motorcycle parts, accessory, performance, tuning and custom industry



Exhibitor enquiries - Chris Gothard - cg@bigbikeeurope.com

**www.bigbikeeurope.com**

# Big Bike Europe - as 'approved' by the European Union!

**E**VER since we announced our **BIG BIKE EUROPE** expo (in Essen, Germany May 10 - 12, 2013) people have been asking me about the name and concept, and why that was so important.

It is important, in the European context, to use a name that is inclusive ... in Europe there is a greater 'cross-over' among the trade and consumers alike, so we needed to ensure that the show name was therefore sector-neutral, so that the liquid-cooled market (custom and mainstream) could also engage.

The primary differentiator to other "mainstream, cross-over" shows in Europe is the focus on large displacement bikes, as opposed to the zillions of smaller displacement bikes that the European market is known for.

It is dedicated to high mileage large displacement riders only, and while on the one hand it will be broad-based (liquid-cooled as well as air-cooled), on the other it won't cater for dirt bikes, scooters, apparel or retail.

It will also be a non-OE expo, and it will be technical rather than lifestyle in focus - custom, parts, tuning, service, performance, workshop and so forth - again making it very different to either the existing custom or mainstream events.

It will also be genuinely international, global indeed - whereas the existing custom shows in Europe are largely either regional or national in nature; plus there is no question that as the host event for the AMD World Championship of Custom Bike Building, it will be the "daddy of 'em all" in custom bike terms.

It is therefore safe to say that it is unique and marks that rarest of rare things, especially in event terms - a genuinely new concept, a fresh start. However, the strategic thinking goes even deeper.

**A**t the recent INTERMOT expo at Cologne, Germany, the lead industry trade association in Europe (ACEM - the Brussels based association of motorcycle manufacturers and importers in Europe) unveiled research that confirmed that the two-thirds of 'motorcycle' sales (PTWs - powered two-wheelers) in Europe that are of 250cc or less, only account for one-third of industry turnover.

Furthermore, those who know the market in Europe know that, just as has been the case in the United States, Australia and elsewhere, the market has been under ongoing pressure and challenges from regulatory authorities.

In Europe, a particular series of regulations has been brewing for some three years now, and causing great concern in the aftermarket.

Finally, for the foreseeable future at least, many of the primary regulatory issues that have had the potential to deal the custom market a knock-out blow have been concluded. While there are impacts, and while there will be changes ahead (especially for the OEs in Europe), the strategy of focussing

on "Big Bikes" is to be enshrined in law. The new regulations (the anti-tampering regulations) exempt motorcycles of 48 bhp and greater!

While the awaited and expected next stages of emissions requirements are now set in stone, and while large displacement OE production motorcycles will have to be fitted with ABS (albeit with a kill switch), the primary threats have been lifted.

**R**iders, or their chosen installer, will still be able to replace stock parts with aftermarket alternates, still be able to improve the performance of a stock bike, still modify its handling or equipment, still be able to build a custom bike and (within certain hard-to-argue confines) still be able to register and ride it legally on Europe's roads.

There isn't even (also for the foreseeable future at least) to be any worsening of the hoops that have to be jumped through to get street approval for custom bikes. Indeed there may even be the start of a 'vibe' that could eventually see best

practice (along the lines of the UKs SVA - Single Vehicle Approval) being adopted, or at least offered, Europe-wide.

As the Member of the European Parliament in charge of passage of the final version of the regulations (himself a keen rider - Mr Wim van de Camp) has put it, "preventing" people from being able to modify or improve performance and such like will "disadvantage" riders - people who, at the end of the day, are citizens, consumers and voters.

Now that is not to say that we are suddenly going see a "Peoples Republic of Bikers" emerge from the ashes of a fallen bureaucracy, but with lashings of common sense being allowed to prevail, and with thanks to the likes of FEMA and ACEM for their lobby efforts, it may well be that a corner has been turned.

Either way, it does get one thinking - wouldn't it have been a good idea if someone had already started planning an industry expo that focussed on the "Big Bike" performance and modification market in Europe?

Now that really would be an expo with "hallmarks of difference"! Booth anyone?

## Big Bikes exempt

**Robin Bradley**  
Co-owner/Editor-in-Chief  
[robin@dealer-world.com](mailto:robin@dealer-world.com)



CV PERFORMANCE



- THE ORIGINAL EZ-JUST™ MIXTURE SCREW
- CARBURETOR JETS AND TUNING KITS
- HI-FLOW FUEL INLETS
- V-DUCTOR™ INTERNAL VELOCITY STACKS

WWW.CV-PERFORMANCE.COM



PERFORMANCE CARBURETOR & INTAKE PARTS FOR AMERICAN V-TWIN MOTORCYCLES

Visit [www.CV-Performance.com](http://www.CV-Performance.com) • Dealer Inquiries Welcome • 626-914-1875





1983-UP FLHT/FLHX/FLHR  
Chrome w/ White LED



1993-UP FLST SOFTAIL™  
Black w/ White LED



Fire Ring Rear T/S  
Amber LED w/ Black Trim Ring



Fire Ring Rear T/S  
Red LED w/ Black Trim Ring



Deep Cut T/S w/ Fire Ring LED  
Amber LED w/ Amber Trim LED

## FIRE-RING SERIES LED BEZEL & TURN SIGNAL KITS

Plug our Fire Rings into your factory headlight and turn signals and you'll realize immediately that something is different. Our revolutionary inner and outer ring LED's pushes style and safety to a whole new level, giving you a greater range of options and the ability to be seen. From super bright white running lights to multi function indicators, Fire Rings make your presence known on the road.



Go online to order your  
**FREE** catalog today!



**ARLEN  
NESS**

# Moto Park 2013

RUSSIA'S Moscow International Exhibition Moto Park show will be taking place on March 1-3, 2013, at the IEC Crocus-Expo, Moscow.

As the major motorcycle show in Russia, Moto Park last year saw 230 brands from 24 countries (Russia, the CIS, Asia, Europe, and North America) featured by 116 exhibiting companies, with 25 of them exhibiting at Moto Park for the first time.

Visitor numbers for the 2012 event included 45,400 trade visitors (made up of professional riders, club members, dealers,



and representatives of companies dealing with the motorcycle trade), over 1,500 accredited journalists and a record number of general visitors – 74,135. Returning to Moto Park for the seventh time in 2013 will be the International Custom & Tuning Show, which provides a showcase for the best custom bike builders in Russia alongside those travelling to the show from around Europe. In recent years, the show has produced winners who have placed impressively at the World Championship, with Alexander Fitsov 8th in 2011, Yuri Shif 3rd and winning the Metric World Championship in 2010, and Sergey Maltsev (Fine Custom Mechanics) 9th, also in 2010. This year's winner of both Freestyle and Modified Harley-Davidson classes, Sergey Kuzakov of Orekhovo Custom Art, will compete at the 10th



annual World Championship in Essen, Germany, together with the 2013 winner. This will be the fifth year that the Custom & Tuning Show has been an affiliate, and such is the

event's prestige that former World Champion Stellan Egeland was present at the 2012 event to participate in the judging.

[www.motoparkshow.ru](http://www.motoparkshow.ru)



Orekhovo Custom Art's winning bike at the 2012 Custom & Tuning Show will compete at the forthcoming World Championship in Essen

## Ride. Grip. Feel the Trust.

[www.dp-brakes.com](http://www.dp-brakes.com)



- No brake dust -
- Progressive Feel -
- More Mileage -
- No Brake Fade -
- No Brake Squeal -



## Keep your whitewalls WHITE!

Whatever you ride, here at DP Brakes we have the perfect, DUST-FREE, high-performance, long-lasting, all-weather brake pad for you. Check out [www.dp-brakes.com](http://www.dp-brakes.com) to see which of our latest sintered metal compounds is right for your bike.

Why not check-out our extensive range of high-performance clutch kits too?

# CCE dealer show returns for 2013

CUSTOM Chrome Europe's Dealer Show is returning in 2013 at its familiar location of the Phoenix Hall, Mainz, Germany. The two-day event over the weekend of March 23rd and 24th, is for registered CCE dealers only on the Saturday, and then open to the general public on the Sunday.

One of the main attractions of the event will be the annual 2013 Custom Chrome International Bike

Show Series European round, which will feature more than 100 custom bikes from the company's dealers around Europe.

Also in attendance over the weekend will be manufacturers, product developers and specialists who are represented in the latest Custom Chrome Europe catalog, who will be there to discuss and answer questions about their products.



**CUSTOM CHROME EUROPE**  
**Bad Kreuznach, GERMANY**  
**Tel: +49 (0)671 88888 0**  
**info@customchrome.de**  
**www.custom-chrome-europe.com**



# WRENCH-OFF®

## OIL FILTERS

-  Pre-drilled 17mm hex nut for easy wrench-off\*
-  Uniformly pleated high-flow synthetic media
-  Heavy-duty canister with double-rolled base seal\*
-  Pre-lubed base seal for quick no-mess installation\*
-  Pressure-relief valve & anti-drain back valve\*

K&N Limited Warranty

\*where applicable

### IDEAL FOR:

- Use with Synthetic Oils
- Hard to Reach Oil Filters
- Do-It-Yourself Oil Changes
- High Performance Engines
- Track or Race Applications



Will NOT Void Your Factory Warranty

© 2012 K&N Engineering, Inc.



**EASY**  
 INSTALLATION & REMOVAL

AVAILABLE FOR MOST MAKES & MODELS

[KNFILTERS.COM/AMD](http://KNFILTERS.COM/AMD)  
 800-858-3333



# Sturgis relocation for Samson

KENNY Price, the owner and founder of Samson Motorcycle Products, has announced plans to hire up to 30 workers in South Dakota in 2013 following the opening of his new manufacturing plant in Sturgis.

Work has already begun on building the 45,000sqft facility, which is planned to open in the Spring of 2013, when the company will move from its current Californian premises.

**SAMSON MOTORCYCLE PRODUCTS**  
**Brea, California, USA**  
**Tel: 714 518 2480**  
[info@samsonusa.com](mailto:info@samsonusa.com)  
[www.samsonusa.com](http://www.samsonusa.com)



# Tsunami motorcycle on display at H-D Museum

THE newest display at the Harley-Davidson Museum is the Softail of Ikuo Yokoyama, which was found in a transport container on a beach on British Columbia's Graham Island after being lost at sea as a result of the 2011 Japanese tsunami. The '04 Softail Night Train, which was recovered by Peter Mark, is being displayed at Yokoyama's request. He asked to have the motorcycle preserved in its current condition and displayed at the Harley-Davidson Museum as a memorial to those whose lives were lost or forever changed by the tsunami.

"We're truly humbled to display Mr. Yokoyama's motorcycle," said Bill Davidson, VP of the Harley-Davidson Museum. "This motorcycle has an amazing story to tell, and we are honored to be able to share it." After the motorcycle was found

work got under way to trace the owner via news agencies and representatives from Deeley Harley-Davidson Canada and Harley-Davidson Japan. Despite struggling to rebuild his life in the aftermath of the disaster, Yokoyama declined

Harley-Davidson's offer to return the bike to him, although he said he was grateful for the offer and touched by the outpouring of support from Harley riders around the world.

[www.harley-davidson.com](http://www.harley-davidson.com)



# European speed trials launch in Italy

EUROPEAN motorcycle racers looking to set land speed records will have an alternative option to the Bonneville Salt Flats in the USA in 2013 as a new event launches at the Nardo test track in Southern Italy.

Planned to take place over the Easter weekend of March 29th - April 1st 2013, the new FIM homologated event is being promoted and organized by Ruedi Steck of Swiss Performance, who himself is a former Salt Flats land speed record racer.

Built by Fiat in 1975, the Nardo testing track has recently been acquired by Porsche, and now Steck and his team have succeeded in getting it opened for the first time to run FIM-sanctioned motorcycle land speed racing.

The first European speed trial at Nardo will be limited to 50 participants only, all of whom can make optimal

use of the banked 12km long/4km diameter round track.

The first two days, March 29th - 30th, will be given over to technical inspections and briefings, with the following two days being when the record attempts will be made.

The current top speed at Nardo is held by a Koenigsegg CCR sports car, driven by Loris Bionchi to a top speed of 241.01mph.



**SWISS PERFORMANCE**  
**Brüttisellen, SWITZERLAND**  
**Tel: +41 (0)78 619 81 81**  
[info@swissperformance.ch](mailto:info@swissperformance.ch)  
[www.nardo-speedtrials.com](http://www.nardo-speedtrials.com)



Ruedi Steck, organizer of Swiss Performance



HAND CRAFTING

# Bad Ass

DESIGN + QUALITY {NOT TO MENTION  
HEART & SOUL}  
INTO EVERY SEAT WE BUILD.

At Le Pera we've been doing things our way for over 40 years. Never one to follow trends, we create them. Committed to excellence, anything less is unacceptable. Rest assured, if you choose from one of our killer new designs, a classic, or your own one-of-a-kind custom – it's going to be one Bad Ass seat.



Exotic Inlays



Fabric Inlays



Stitch Graphics



Old School



Biker Gel

Villain Solo  
Custom



**Le Pera**<sup>®</sup>  
Family Owned Since '72...

NORTH HOLLYWOOD, CA  
[WWW.LEPERA.COM](http://WWW.LEPERA.COM)



ALL LEPERA SEATS ARE PROUDLY  
MADE IN THE U.S.A.

For more information, please contact your distributor or visit us online.

Available through



Proud Sponsor of



Official Exhaust  
Of The AHDR

# RUSH

RACING PRODUCTS

## Enjoy A Ride On A CYCLE PEDIC Seat

CYCLE PEDIC is an ergonomic motorcycle seat for all riders, designed to relieve pressure from your prostate and tailbone. CYCLE PEDIC seats feature a waterproof vinyl liner, waterproof seams, molded injected polyurethane foam, engineered gel polymer, and a new ergonomic stainless steel base. All of this is designed to give you the most comfortable seat in the market to allow you to ride longer and reduce pressure points so you will get more enjoyment from your rides.



# CYCLE PEDIC

COMFORT PLUS BY 

Visit Your Local Dealer For A RUSH.

2777 E. 83rd Place Merrillville, IN. 46410 866-99-4RUSH [www.rushracingproducts.com](http://www.rushracingproducts.com)

# Swiss Performance II Luzern 2012, Text and photos: Horst Rösler

## International Motorshow Lucern/Switzerland, October, 12-14

**S**WISS Performance promoter Ruedi Steck and his business partners took the bold move of recreating Switzerland's top event for custom-built motorcycles and Harleys and expanded it into what could soon become Switzerland's main event for motorcycles and cars of all types with the launch of the Swiss Performance International Motorshow in Lucern, Switzerland, over the weekend of October, 12th-14th, 2012.

"We knew that we would be taking on an risk," said Swiss Performance show promoter Ruedi Steck, "but splitting off from the successful partnership with Swiss Moto at Zürich gave us several options that we wanted to use right away. The new October date is just

when the decisions for customizing of a car or motorcycle are usually made. In fact, Swiss Performance is now on the same date as the original Custom Performance at Bad Salzuflen used to be. It's the perfect date to introduce new parts, vehicles and products for the customizing season, which is why we started the event in 2012 rather than waiting one and a half years for the October date of 2013," said Steck.

The new show featured three halls full of radical custom bikes, and dealers, manufacturers, aftermarket suppliers and clubs providing a focused image of the Swiss market. From the last event in Zürich the bike show has tripled in size and competitors, plus more than 120 second-hand bikes presented by Motorradhandel.ch were offered at special rates, attracting the public, along with live customizing of a

Harley-Davidson by Bobber-Anstalt Lichtenstein. Indeed, more than 8,000 visitors attended the show's premiere at Lucern.

Now far beyond a 'motorcycle only' event, the halls were filled with high-quality bikes and exhibitors. From the start, the ambitious plan for exclusive and high-class customizing on two, three and four wheels was visible, with the exhibitors offering both information and entertainment.

For Harley-Davidson it is Switzerland that holds a record for any market, except their home turf in the USA; with a market share in excess of 20 percent, which means every 5th motorcycle in Switzerland is a Harley-Davidson. In addition there are many custom shops in Switzerland, including Urs Erbacher's Fat Attack, Classic Cycles, Sven Cycles, CCCP, all of whom are rated

among the best customizers in Europe, and despite the fact that some machines had already premiered at the first Swiss Performance in February, more bikes were introduced at this event.

"Many dealers who participated in Zürich have moved with us to Lucern and confirmed that they were speaking to very interested customers. We are satisfied with the first independent Swiss Performance since 2004, and we will improve the event for its next edition, scheduled October 11th-13th 2013," said Steck. "By then the Messe Luzern will have finished another hall, which will allow us even more exhibition space."



[www.swissperformance.ch](http://www.swissperformance.ch)



Reinhard Servello is a well known participant at the Swiss Performance bike show in previous years. Based in Vaduz, Lichtenstein, he specializes in Old School type Bobbers, usually based on classic Harley engines. His team, with painting support from Austrian airbrush pro Marcus Pfeil, created this 'build-off' Bobber on the customizing stage in Hall 2 during the opening hours of Swiss Performance at Luzern



Even two years after its introduction, Sergio Bayarri's V-twin powered sports bike is still good for the top position in the radical class. The 2010 AMD World Champion production manufacturer class winner and 2010 Bonneville record racer is now equipped with single-sided swingarm and a Zipper's 131ci V-twin. The handcrafted motorcycles are manufactured in Cadiz, in the south of Spain, with a second version already in development



DELUXE line master cylinder



DELUXE external throttle



DELUXE clutch and brake assemblies



[info@kustomtech.eu](mailto:info@kustomtech.eu)

[www.kustomtech.eu](http://www.kustomtech.eu)

Tel 0039 055 208204

# New project for L.A. County Choprods founder

GARD Hollinger, the founder of L.A. County Choprods, is establishing a new business to build production motorcycles in collaboration with Hollywood film actor Keanu Reeves. Under the banner of Arch Motorcycle Company the duo are currently in the prototype and industrial design phase, with production expected to begin in 2013. The two men behind Arch Motorcycle Company first met in 2007, when Reeves approached Hollinger with a plan for a custom build. Five

years on that initial plan has turned into the creation of Arch Motorcycle Company and its first prototype, the KR GT-1. "We have a common vision," says Gard of his partnership with Reeves. "We started with the idea of a performance-based modern machine. Once the bike was complete, it looked like a production motorcycle, but unlike anything we had ever seen. It's unique and we can't wait to introduce it to the world."

[www.archmotorcycle.com](http://www.archmotorcycle.com)



## Rick's Day 2012

RICK'S Day, the annual open house event at Rick's Motorcycles, ran to three days this year when it was held from 5th - 7 October at Baden-Baden, Germany.

Across the three days, Patrick Knörzer and his team presented a selection of new Rick's custom parts and bikes. Among the new parts on display were a complete line of saddle

bags, side covers, and light cover, all showcased on a custom bagger. The bike in question, with a 26in front wheel conversion, has already started collecting trophies with a win at the Harley-Davidson and Custom Chrome Europe bike shows at Lake Faak. Other new products on display were the new CNC machined forks, the 'Good Guys' air cleaners and the adjustable clutch and brake levers.

Visitors to the event had the opportunity to walk through the



Live customizing has always been a tradition at Rick's Day, where the public get to see custom bikes being built



Many new production custom parts were seen for the first time



The CNC machines in the workshop were running all weekend as the public got to see how pieces such as custom pulleys are made

company's workshops and take a look at what goes into building show-winning custom bikes in Rick's 'House of Custom'.

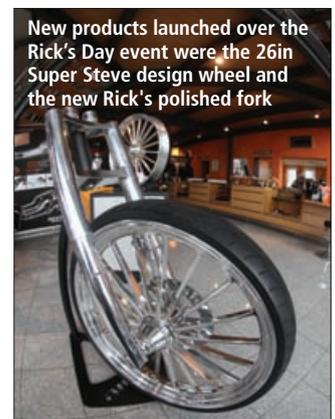
A new additional attraction this year was the fashion show taking place in the showroom, which featured the latest clothes from the Motor Company.



**RICK'S MOTORCYCLES**  
**Baden-Baden, GERMANY**  
**Tel: +49 (0)7221 3939 0**  
**info@wheelsforwinners.com**  
**www.Ricks-motorcycles.com**



Patrick 'Rick' Knörzer with his prize winning Bagger with a 26in wheel conversion



New products launched over the Rick's Day event were the 26in Super Steve design wheel and the new Rick's polished fork



**VIOLA V-TWIN**  
**QUALITY SERVICE PARTS**  
Endorsed by  
**S&S**

**Your new source for quality service parts  
for American V-Twins.**

All Viola V-Twin™ products are manufactured or sourced by  
S&S® Cycle, a name known for 55 years of Proven Performance®.

Check us out at:

**[www.violavtwin.com](http://www.violavtwin.com)**

or give us a call at: 608-627-1497

Mention you saw this in AMD and get a  
**FREE VIOLA V-TWIN™ COUNTER MAT** with your next order.  
Supplies are limited.

# Papal blessing for H-D

WILLIE G. Davidson, grandson of one of Harleys founders and his son, Bill Davidson, VP of the H-D Museum, have launched the countdown to Harley-Davidson's 110th Anniversary event in Rome, June 13-16, 2013, by presenting two commemorative motorcycle gas tanks to the Pope Benedict XVI for a blessing. The tanks will be signed by Pope Benedict, Willie G. and Bill, and mounted on two motorcycles – one will return to the company's hometown of Milwaukee, and be displayed at the Harley-Davidson Museum, while the other will be auctioned to support the Good Samaritan Foundation. "Along with next year's 110th Anniversary events around the world, the event in Rome is truly the most epic way we can

show our thanks for the 110 years of riding and fun our passionate fans have given Harley-Davidson," said Ken Ostermann, Harley-Davidson's General Manager of International Marketing Operations. Highlights of Harley-Davidson's 110th Anniversary Celebration in Rome in 2013 include a party in the Port of Ostia, a parade through the heart of Rome, two headlining concerts at Stadio Olimpico and a papal bike



Harley-Davidson motorcycle were blessed by Pope Benedict XVI at the Vatican as part of the company's upcoming 110th Anniversary celebrations next year. On hand for the blessing was Willie G. Davidson, grandson of one of the company's founders

blessing at St. Peter's Square. "We're anticipating next year's celebration in Rome to be one of the largest events we've ever held outside the US," said Ostermann. "That is a strong

testament to our continued global transformation as we respond to our growing fan base all over the world."

[www.harley-davidson.com](http://www.harley-davidson.com)

# Polaris continues with record results

**P**OLARIS Industries, the parent company of both Victory and Indian Motorcycles, has reported record third quarter net income up 40 percent from the prior year's third quarter. Reported net income was \$94.3 million for the quarter. Sales for the third quarter 2012 totaled a record \$879.9 million, an increase of 21 percent over last year's third quarter sales of \$729.9 million.

Scott Wine, Polaris' CEO, said: "We began the third quarter with significant momentum, and thanks to broad based consumer demand and market share gains for our RANGER and RZR side-by-side vehicles, we positioned the company for a strong finish to the year. This Polaris team again demonstrated the power of our combined focus on product innovation and execution by driving a greater than ten percent increase in Polaris North American unit retail sales in the third quarter. The growth in retail sales along with increased market share

drove double digit sales growth in each of our product lines during the quarter. The innovation goes beyond just products – our Retail Flow Management pull process for motorcycles and enhanced MVP process for ORV has dramatically improved product availability and delivery for our dealers. Our ongoing operational excellence initiatives helped to ensure this growth was even more profitable, as the manufacturing realignment, along with numerous cost management programs, led to significant gross profit and net income margin improvements over the prior year period. These strong earnings enabled us to continue strategically spending in support of future growth across our portfolio.

"Looking forward, we are very encouraged by the strong dealer and consumer reception to our new industry leading model year 2013 products. Our evolving and expanding product line-up reflects our continued focus on innovation as well as our sustained commitment to profitable

growth. With three outstanding quarters behind us and the demonstrated ability of our team to identify and execute on new growth opportunities, 2012 is shaping up to be another record year for Polaris. Though we remain vigilant regarding economic developments and their impact on our customers, we are confident in our strategic direction and implementation and are raising our full year 2012 sales and earnings projections."

Sales of the On-Road Vehicles division, comprised primarily of Victory motorcycles, but also including Indian motorcycles and our GEM and Goupil electric vehicles, increased 78 percent over the same period last year to \$63.4 million. Consumer demand for Victory motorcycles was strong in each of the company's global markets, as it continued to gain market share and expand distribution. Third quarter North American industry heavyweight cruiser and touring motorcycle retail sales were down single digits percent from 2011, while over the same

period, Victory North American consumer unit retail sales increased over 25 percent. Sales of On-Road Vehicles to customers outside of North America increased over 150 percent during the 2012 third quarter.

International sales totaled \$100.9 million for the 2012 third quarter, up three percent over the same period in 2011. The increase in third quarter sales resulted from a 13 percent combined increase in sales to customers in the Asia/Pacific and Latin American regions, along with higher sales of Victory motorcycles and the incremental sales from the Goupil acquisition.

Gross profit was 29.5 percent of sales for the third quarter of 2012, a 120 basis point increase over the third quarter 2011. Gross profit dollars increased 26 percent to \$259.8 million for the third quarter of 2012, compared to \$206.8 million for the third quarter of 2011. The increase in both the gross profit percentage and gross profit dollars is primarily due to cost savings from product cost reduction efforts, production efficiencies on increased volumes, higher selling prices and ongoing cost saving from the manufacturing realignment project, partially offset by higher sales promotions and negative product mix.



[www.polarisindustries.com](http://www.polarisindustries.com)

Third Quarter Performance Summary (in thousands except per share data)						
Product line sales	Three Months ended Sept 30			Nine Months ended Sept 30		
	2012	2011	Change	2012	2011	Change
On-Road Vehicles	63,396	35,655	78%	192,789	111,449	73%
Gross Profit	\$259,785	\$206,836	+26%	\$671,497	\$536,275	+25%
Operating Expenses	\$126,445	\$102,873	+23%	\$351,574	\$296,620	+19%
Operating Income	\$141,567	\$110,290	+28%	\$343,548	\$256,794	+34%
Net Income	\$94,345	\$67,637	+39%	\$224,246	\$163,676	+37%

# Motorcycle Audio for Fanatics.



## Extraordinary Power and Clarity, No Storage Loss.

The undisputed champions of their industries, Paul Yaffe's Bagger Nation and Rockford Fosgate, come together to create motorcycle audio bad ass-ness.

Exclusive wiring harness & hardware · Exclusive step by step instructions · Exclusive hard mounting heatsink plates  
Exclusive mind blowing sound · Patent pending Boosted Rail Technology amplifier · Exclusive kits only from Bagger Nation

**NEW:** You can double your power with our 150 watt / 2 Channel BRT Amp - In stock now!



300w 4 Channel



3-Way 6x9



6.5\"/>



Exclusive Install Kits



- **ACCUTRONIX:** 5 Degree Smooth Triple Trees and Slotted Forward Controls
- **ALLOY ART:** Raw Marker Lights w/ Smoked Lens
- **BASSANI:** Turn-Out Pro-Street Exhaust
- **DRAG/HOTOP:** Chrome/Rubber Grips
- **DRAG SPECIALTIES:** Spoke Wheels, Oval Mirror, Buffalo Risers and Black Vinyl Cables
- **DRAG SPECIALTIES SEATS:** Low Solo Smooth Seat
- **HAWG HALTERS:** 4 Piston Brake Calipers
- **JOKER MACHINE:** Switch Assemblies, Throttle Assembly, Clutch Perch Assembly and 9/16" Master Cylinder
- **KHROME WERKS:** 16" Ape Handlebar
- **LYNDALL RACING:** Gemini Rotors
- **METZELER:** ME880 Tires
- **PERFORMANCE MACHINE:** Fast Air Cleaner
- **RUSS WERNIMONT:** Rambler Front Fender, Cruiser Rear Fender and 4.5 Gallon Smooth Fuel Tank
- **S&S:** Die Cast Rocker Boxes

Get into the FatBook™ to find quality parts from hundreds of top brands.  
And visit [dragspecialties.com](http://dragspecialties.com) to see more of this build.

**CONTACT OUR KNOWLEDGEABLE SALES STAFF.  
GET YOUR DEALER ACCOUNT TODAY!**

[partseurope.eu](http://partseurope.eu) • [sales@partseurope.eu](mailto:sales@partseurope.eu) • 0049 (0) 6501 9695 2000

**SUPERIOR INVENTORY  
FAST SHIPPING**



# THE BRADLEY REPORT™

By AMD founder Robin Bradley

robin@dealer-world.com

**T**he **Motorcycle Safety Foundation** will release preliminary results from the MSF '100 Motorcyclists Naturalistic Study' at an ifz/MSF International Motorcycle Safety Conference being staged at the inaugural **American International Motorcycle Expo** (Oct. 16 – 20, 2013, in Orlando, Fla).

The conference will have a decidedly scientific focus, with heavy emphasis on "the successful delivery of safety education and training toward improved student outcomes."

Other presentations will include peer-reviewed papers on topics such as vehicles, motorcycles, human behavior and more.

MSF Vice President Robert Gladden says that: "we expect a range of attendees that includes federal and state policy makers, RiderCourse administrators and sponsors, MSF-certified RiderCoaches and RiderCoach Trainers, and a wide range of experts in the motorcycle safety field from



**MSF Vice President Robert Gladden - "we are excited to be hosting an international motorcycle safety conference on U.S. soil"**

around the world."

Marketplace Events Trade Show Division President Mike Webster said he was thrilled to host the MSF Safety Conference at AIMExpo. "From its very inception, AIMExpo has been designed to energize the motorcycle industry in the United States," said Webster.

"Bringing together hundreds of individuals all focused on improving motorcycle safety is certainly part of that vision and we're glad the MSF Board of Trustees chose our event for this prestigious gathering."

The conference will also offer professional development opportunities for those who administer or sponsor RiderCourses, as well as the chance to work with other user groups to increase the safety of the overall riding environment.

Practical training demonstrations of exercises from the MSF's 23 RiderCourses will be offered, as will information on the updated Basic RiderCourse, which now includes an eCourse component.

[www.msf-usa.org](http://www.msf-usa.org)



## DID YOU KNOW?

**In Summer catch-up news from Harley-Davidson and their dealer network ...**

Following the death of Bob Fletcher earlier this year, his family have closed the Harley-Davidson dealership at Largo, Florida that had carried his name for 48 years. They cited mandated changes to meet new corporate standards as costing more than the business could afford. Those costs are said to have included \$150,000 to change a merchandising wall alone.

H-D MENA (Middle-East & North Africa region) decided to cancel a proposed 'MENA Harley-Days' rally slated for Lebanon in September, due to the instability in neighboring Syria. The company said it hopes to be able to re-schedule the event for 2013. Harley now has some twenty or so authorised dealerships across the Middle East and North Africa, many of who already have active H.O.G. Chapters.

The former David Harley-Davidson dealership in Burlington has been sold to Fred and Paige Bosshardt, the owners and operators of Caliente Harley-Davidson of San Antonio, Texas, and renamed Down Home Harley-Davidson. The Burlington dealership recently bought 3.5 acres across the street from its existing site to offer Rider's Edge classes, expand service operations and add motorcycle rentals. "We are thrilled to be a part of this community and look forward to growing this successful dealership even more," said Bob Fitzpatrick, General Manager of Down home Harley-Davidson, who was formerly the service manager at Caliente H-D.

**D**on Emde, Frank Esposito and Steve Johnson have all been re-elected to the MIC Board of Directors at the association's most recent election, concluded in late October.

Hugely respected throughout the powersports industry, Emde has served on the board since 2001 and sits on the Aftermarket/Allied Trades Committee, the Marketing and Public Policy Committee and Discover Today's Motorcycling Subcommittee. He won the Daytona 200 in 1972 (on a two-stroke, 350cc Yamaha) and is one half of the only father and son duo to have won the race (his father Floyd won on an Indian in 1948). In addition to working in the family motorcycle business, Emde, an author and avid collector, spent time with Bell Helmets and became a motorcycle industry trade journal publisher - which he still is with 'Parts Magazine' and 'Drag Magazine' that he publishes for Fred Fox's Le Mans Distribution concern.

Esposito, a former parts distribution industry company president, has been on the board since 2000 and is Chairman of the Aftermarket/Allied Trades Committee and Membership Task Force. He helped create the Revive Your Ride campaign and was instrumental in forming the American V-Twin Committee.

Johnson, who announced his retirement recently as CEO of Tucker Rocky, joined the board two years ago and has been essential to aftermarket development programs, the Revive Your Ride campaign, Membership Task Force,



Don Emde

Land Access activity and was one of the inaugural supporters of the Right Rider Access Fund. Going into 2013, Emde, Esposito and Johnson join elected directors, Chairman Larry Little, Vice Chair Mark Blackwell and Secretary/Treasurer Eric Anderson. The remaining directors, appointed by the maximum dues members, are Bob Gurga (Honda),



Frank Esposito

Steve Bortolamedi (Suzuki), Russ Brenan (Kawasaki), Jon-Erik Bursleson (KTM), Hans Blesse (BMW) and Dennis McNeal (Yamaha). [www.mic.org](http://www.mic.org)



Steve Johnson

THE seminar program for the 13th Annual V-Twin Expo has been announced with the emphasis on supporting retail minded V-twin dealers and new media.

Kent Lewis, President and Founder of Anvil Media, will not only be taking the seminar 'Growing your business via search engine optimization (SEO)', he will also be conducting a website clinic to show what works and what doesn't on a website. During the seminar he will explain the importance of the three Cs of SEO: content, code and credibility, which can lead to improved rankings, increased traffic and greater sales.

'Growing your business via social media marketing' is the title of a second seminar presented by Kent Lewis. It will cover how to create and properly optimize social media profiles, develop a compelling content calendar and understand how to best leverage employees by creating guidelines.

Clyde Fessler, an independent consultant, who retired from H-D in 2002, will be presenting the seminar 'Renew your brand'. The former Vice President of Business Development for Harley-Davidson Motorcycles, will walk V-twin dealers through the principles of changing images in a competitive marketplace. Using a case study of H-D from

the 1980s, Clyde will take dealers through what it takes to do a complete brand overhaul.

Following on from the seminars on the value of the internet, Earl LeVere will discuss the issues surrounding 'Enforcing design patents'. He will present information on how to enforce design patents, or defend them. He will also highlight recent cases that shed some light on important patent protection issues for the motorcycle industry.

Don Emde will be moderating two sessions over the course of the Expo weekend; 'From the track to the show floor - leveraging horsepower to drive sales' and 'Trend watch'. The first will feature a panel of speed experts offering advice on how to up sell performance parts and accessories, which parts make the most profit sense, and how to attract or create performance product buyers from customer lists.

Expert builders will be at the Trend Watch session to discuss what they see as the next big trend and how retailers can leverage it into their shops.

The V-Twin Expo held at the Duke Energy Convention Center in Cincinnati on Saturday, February 2 from 8:00am - 6:00pm and Sunday, February 3 from 9:00am - 5:00pm. [www.vtwin-expo.com](http://www.vtwin-expo.com)



Clyde Fessler, an independent consultant, who retired from H-D in 2002, will be presenting the seminar 'Renew your brand' at the 2013 V-Twin Expo

Year to date figures released by the MIC for the first nine months of 2012 show total motorcycle and ATV/scooter sales in the United States up by 1.9 percent (to 537,220).

All sectors of the market are showing growth (except for off-highway motorcycles which are down by 0.1 percent for the year to date) with the small but burgeoning dual sport (up 4.7 percent) and the scooter markets (up 7.0 percent) leading the way in percentage growth terms.

Having seen unit sales

slaughtered in the past few years the ATV sector is up 3.1 percent to 161,500 units so far this year, but the headline news is that having posted a 5.4 percent increase for the month of September (22,490 units) the on-highway motorcycle sector has grown 0.8 percent for the year to date

to 271,767 units. Even if fall sales aren't dramatic it looks like the worst year-end report that 2012 will get will be one of, broadly speaking, market stability - and given that within that performance Harley-Davidson will have grown sales for the year then given the still-fragile

nature of domestic US economic recovery, that is a situation that everybody will be pleased to take.

[www.mic.org](http://www.mic.org)



Vehicle Type	General Type	Month				Year to Date			
		2012 Current	2011 Prior	Unit Change	Percentage Change	2012 Current	2011 Prior	Unit Change	Percentage Change
ATV	ATV	19,754	20,314	-560	-2.8 %	161,500	156,672	4,828	3.1 %
Motorcycle	DUAL	1,861	1,847	14	0.8 %	23,558	22,510	1,048	4.7 %
Motorcycle	OFF-HWY	4,679	4,493	186	4.1 %	51,006	51,049	-43	-0.1 %
Motorcycle	ON-HWY	22,490	21,330	1,160	5.4 %	271,767	269,705	2,062	0.8 %
Motorcycle	SCOOTER	2,582	2,465	117	4.7 %	29,389	27,474	1,915	7.0 %
Motorcycle	TOTAL	31,612	30,135	1,477	4.9 %	375,720	370,738	4,982	1.3 %
GRAND	TOTAL	51,366	50,449	917	1.8 %	537,220	527,410	9,810	1.9 %

The Harley-Davidson Screamin' Eagle® Vance & Hines drag racing team clinched the 2012 NHRA Pro Stock Motorcycle championship as rider Ed Krawiec took his ninth Pro Stock Motorcycle win of the season, and third in a row, at the Big O Tires NHRA Nationals at The Strip at Las Vegas Motor Speedway. Riding a V-Rod, the defending Pro Stock Motorcycle champion now leads the class by 111 points with one event left on the schedule. Only his teammate Andrew Hines remains in contention for the title.

Krawiec actually won two events at Las Vegas. On the Saturday he and Hines raced in the last round of qualifying to complete the final elimination round of the Auto-Plus NHRA



Ed Krawiec

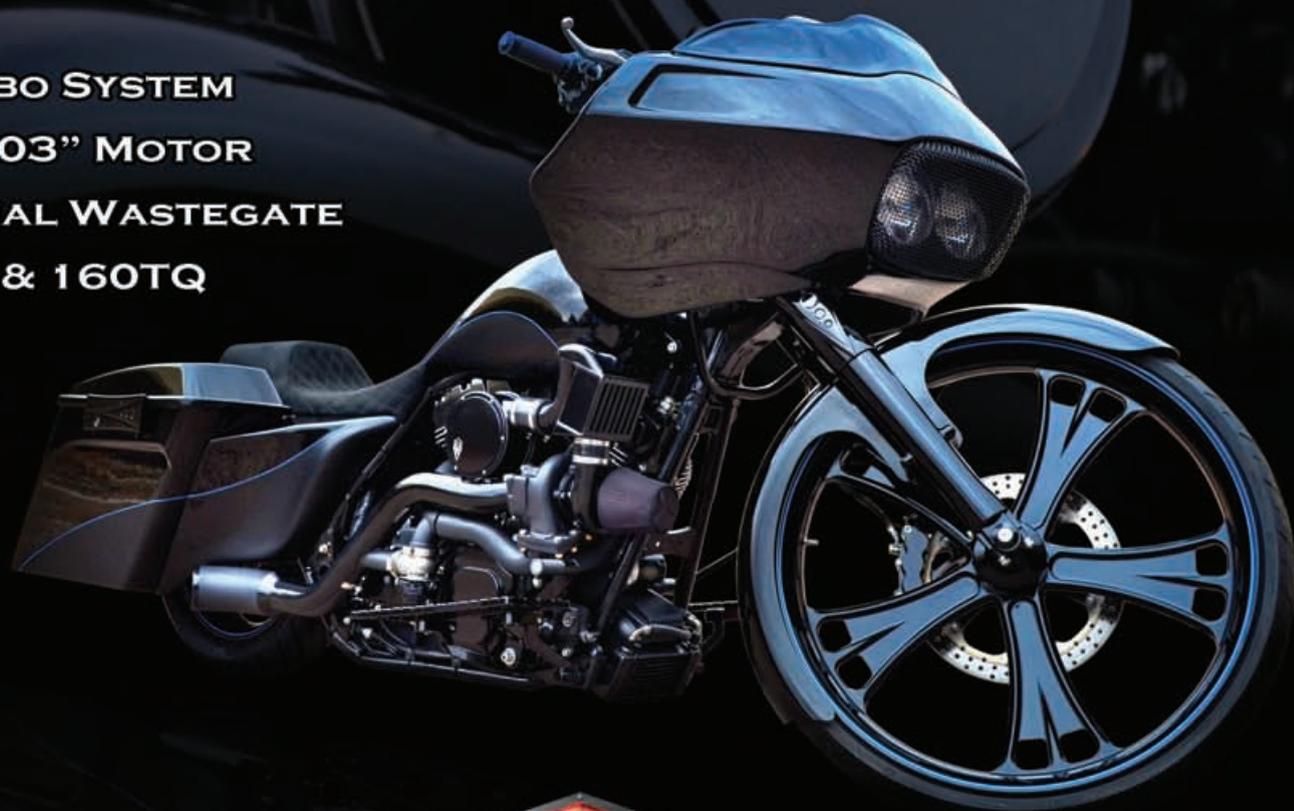
Nationals, which was postponed by rain on Oct. 8 at Maple Grove Raceway in Reading, Pa. Krawiec also won that face-off for his 19th career win and eighth of the season.

Krawiec leads the Pro Stock Motorcycle Countdown with 2672 points. Hines is second with 2561 points. Lucas Oil Buell riders Arana Jr. (who lost in round two on Sunday) is third with 2448 points, with Hector Arana Sr. fourth on 2399 points.

The Pro Stock Motorcycles will have closed out their 2012 season Nov. 8-11 at the 48th annual Automobile Club of Southern California NHRA Finals at Auto Club Raceway in Pomona, Calif.

# PROVEN, RELIABLE, BOLT ON POWER

FL TURBO SYSTEM  
BUILT 103" MOTOR  
EXTERNAL WASTEGATE  
165HP & 160TQ



EST.2000

**TRASK**  
TURBO SYSTEMS

DEALERS WELCOME

[WWW.TRASKPERFORMANCE.COM](http://WWW.TRASKPERFORMANCE.COM)

1-866-99-TRASK

2 YEAR  
WARRANTY

**MSRP \$795.99**  
**PREMIUM BAGGER GAUGE**

6-Gauge Bagger Set for 96'-12'  
Oil Temp & Sensor Included  
13 Styles to Choose!  
"Blue Classic" Shown



**MSRP \$799.99**  
**STEREO KIT for 98'-12'**

Tested and Proven to Handle Rain and Washing!  
Works With Hand Controls  
IPOD, AM/FM, USB, SIRIUS Ready  
IPOD and USB Cable Included  
Replaces Stock Equipment  
50w x 4CH, For 4 or 8 Ohm Speakers



**MEDALLION**  
INSTRUMENTATION SYSTEMS

**PREMIUM BAGGER GAUGES**



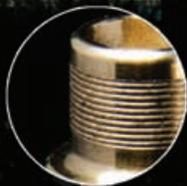
©2012 Medallion® and Premium Bagger Gauges® are registered trademarks of Medallion Instrumentation Systems®

medallionmotorcyclegauges.com

**NOT ALL GUIDES ARE  
CREATED EQUAL!**

**Seal Detail**

- Radius-leads to easier installation of the toughest seals
- Threaded seal detail: "keep your seals on the guide"



**O-Ring**

- Provides insurance for a scored guide bore
- Prevents oil-seepage



**Surface Finish (RMS)**

- Very low Surface-RMS supports smooth installation
- Improves contact and heat transfer



**Materials**

- Nickel, Chromium, copper blend producing very dense and hard Cast Iron
- Highly pearlite crystalline structure increases wearability
- US Milled and Certified Nickel-aluminum -Bronze "Tough Stuff"

**Shoulder**

- Both Cast and Bronze shoulder locations allow for 0.600" lift
- Shoulders allow for quicker installation and placement

**Design**

- Tapered intake reduces port obstruction
- Mild tapered exhaust for increased density (to take the heat)
- Undersized guide bores for individual desired fitment



Follow us on

[www.kibblewhite.biz/guides](http://www.kibblewhite.biz/guides)



The First European Purchasing Group

# ONE STOP - ONE BOX & 3,350,000 PARTS



## MAXimum Performance with your EFI



**THUNDER MAX**  
EFI made simple.

Available for most models ... just ask for your's

Would you like to have full control of your EFI system, freedom to make major or minor adjustments without a master's degree in electronics and computers? Here is a simple solution—ThunderMax with AutoTune! The ThunderMax is a completely new product that replaces the factory module, not an add-on box or signal modifier. The ThunderMax is purpose-built to deliver uncompromising performance but you don't have to be a rocket scientist to program it or make adjustments.

## The Creativity & Quality from Joker Machine USA

Replaces the stock "dedicated to one option handlebar clamp", with mounting holes that accept pretty much any riser selection that's out there.

**HOT NEW STUFF**  
Upper Trees for Dyna's

Headlight Bracket  
Clamp On Handlebars available

CONE BAR END MIRRORS  
Turn Signal  
BAR SCROOVER END MIRRORS

Open Ended Knurled Grips to fit with our Bar End Mirrors

STEM A  
STEM B  
STEM C  
STEM D

## The Ultimage Smoothies Bags!

DEAD CENTER CYCLES

A fresh alternative to typical stretched saddle bags. Dead Center Cycles Smoothies offer a unique, clean look and allow the rider to access the bags contents while seated; simply reach back, disengage the compression latch, and open the lid outward. Latches are easy to use, lockable and recessed to maintain an uncluttered profile. Bags come complete WITH lids. And, all parts are manufactured using a closed mold fiberglass process ensuring consistent thickness and a smooth finish inside and out



**VANCE  
&  
HINES**



PRO PIPE CHROME | DRAK VO2 AIR

See your local dealer for pricing and availability

[www.vanceandhines.com](http://www.vanceandhines.com)



# FEULING®

The name Feuling is most often associated with the short-lived W3 three cylinder engine developed by company founder Jim Feuling, from a Twin Cam H-D motor. However, following Jim's death in 2002 the company began to change direction with the emphasis now on oiling systems and valvetrain parts as Marketing Director Luke Leatherman tells AMD

## THREE INTO TWO WILL GO

Words by Duncan Moore - duncan@dealer-world.com

**W**HAT is now known as Feuling Parts began back in 1974 simply called Feuling Engineering. The company was named after its founder Jim Feuling and specialized in automotive engine development. Describing the work undertaken in the early days, Luke Leatherman, Feuling Parts' Marketing Director, says: "When Jim started Feuling it was more of a 'Skunk Works' facility for engine design and development... conception to completion under one roof."

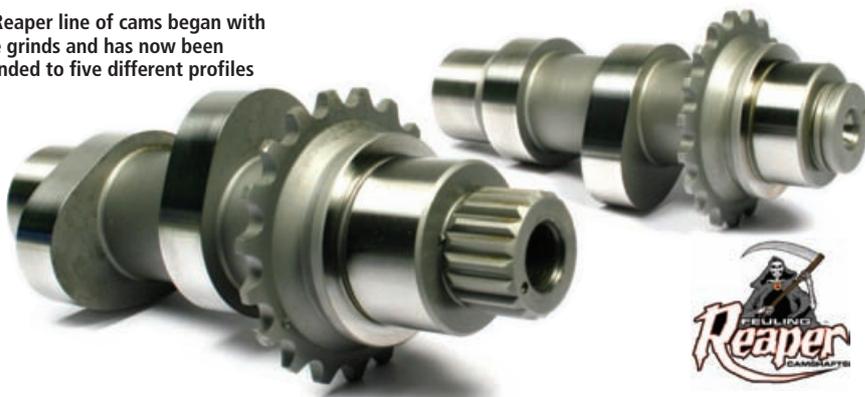
Such was Jim's expertise in engine development that he went on to hold more than 100 patents relating to the automotive industry, doing research and development work for companies such as Chevrolet, Oldsmobile, Ford, Chrysler, Nissan, and John Deere.

It was Jim's involvement with the auto industry and passion for bikes that led him to work with motorcycle engines. Due to the small scale nature of the Feuling operation Jim was seen as an easy target for one of the major automotive companies which took advantage of his developments without crediting him for his work. Jim tried to pursue the culprit through the courts but due to the company's sizable legal department he was unable to successfully complete his case.



A design of Beehive valve springs like the ones now made by Feuling were used by the Wright Brothers in their early aeroplane engines

The Reaper line of cams began with three grinds and has now been expanded to five different profiles



In addition due to the potential advertising revenue the auto maker had, the specialist media of the time would not put Jim's side of the story forward. Hence, very disillusioned with the car world Jim turned to his other passion – motorcycles.

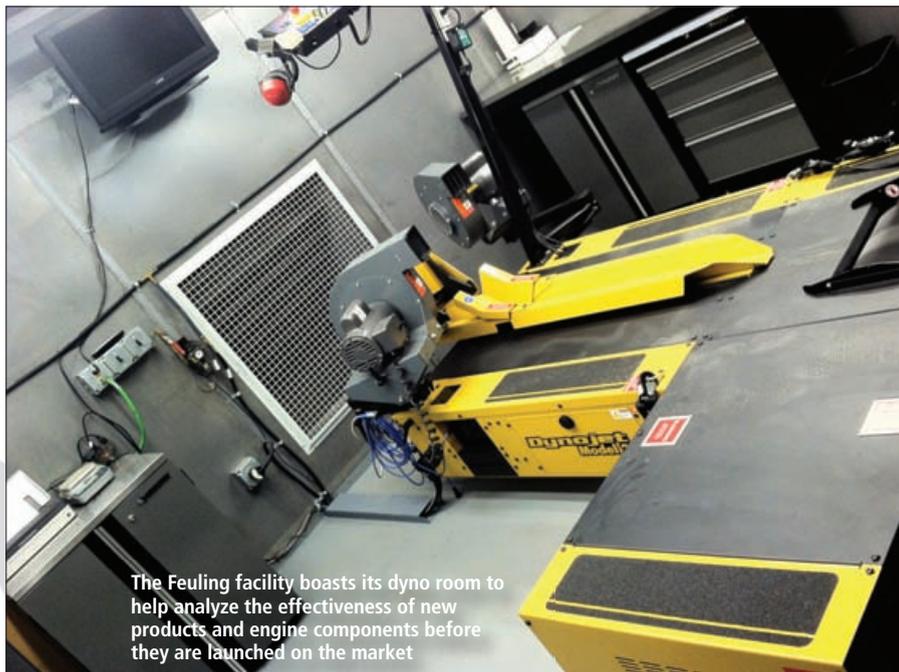
Given Jim's experience and contacts it

was not long before Harley-Davidson had contracted him to help out with engine development. At that time H-D's Chief of Engineering had previously worked with Jim at General Motors. The engine he was contracted to work on was the fledgling Twin Cam. While much of the work he did on that engine's design has come to fruition today with the parts being made available by Feuling Parts, at the time it gave rise to what can be considered Jim's best known motorcycle project – the W3 motor.

The W3 was a three-cylinder motor, the design of which was based on a traditional air-cooled V-twin but with an additional cylinder. The thinking behind the design was to increase the capacity of the Twin Cam by 50 percent without sacrificing



Following Jim Feuling death, company employees Luke Leatherman, Allon McBee, and Gene Sheehan (left to right) formed a partnership to take over the running of the business



The Feuling facility boasts its dyno room to help analyze the effectiveness of new products and engine components before they are launched on the market

practicality, a common issue with bored and stroked motors. Early versions of the motor utilized just six non-factory parts due to Feulings involvement with Harley's own engine development world. Indeed, the

company wanted the first option to buy/licence the W3.

The W3 was offered for sale in kit form, engine/frame/electronics/intake/exhaust, all needed proprietary components. Of the 25



One of 18 W3 motorcycles produced by the Feuling Motor Company, this particular example is for sale by Feuling

W3 engines that were manufactured Cory Ness built a complete custom, standing the W3 engine straight up and it is rumored that the Sands from Performance Machine own one.

The motor that made it into production had a 150ci capacity from a 4in bore and 4in stroke. A rotary aero engine style con rod was used for the W configuration, with a central, master conrod carrying two slave rods, one on either side.

Following on from Jim's death in late 2002 the motor was still offered for sale but numbers were so limited that it was eventually shelved and business moved onto producing and selling the other parts Jim had developed while working on the W3. At this point Allan McBee, Gene Sheehan and Luke formed a partnership to take the business forward. The first of these new pieces involved the oiling system of the Twin Cam as Luke points out: "We knew the oiling system for the Twin Cam was marginal, so we knew it wouldn't be any good for the three cylinders when the W3 was in development. That meant we had made an oil pump and a cam plate lifter package and after that we thought if we're going to make this for the three-cylinder let's make sure it's retrofittable back to the two-cylinder."

The oiling system that Feuling now retails includes a billet 6061 high volume oil pump, billet 7075 hard anodized camplate, HP+ hydraulic roller lifters and a gasket kit. The benefits of installing the system include increased oil pressure, volume, and flow along with return oil scavenging. It's also said to eliminate wet sumping and drop engine temps by as much as 35 degrees.

A second option is the Race Series kits, which include a blue printed billet 7075 hard anodized oil pump and full travel hydraulic roller lifters. The Race series lifters are designed with tighter internal tolerances to handle heavy valve spring pressures and have increased roller clearance for steep ramped camshafts.

On the subject of camshafts Luke went on to explain about the company's Reaper line. "I know we are really late to the market but what we are pushing these days is camshafts. We did a lot of testing in the early days when we were working with Harley and we did a lot of camshafts back then. So we knew at a very early stage some stuff that worked very well for camshafts and with hindsight we should have brought the cams to market much earlier. It would have made our task [selling them] a lot easier."

Luke then went on to explain the benefits of the Reaper cams, saying: "When we first came up with these cam grinds people looked at us cross-eyed.

"If you look at our cam specs in comparison to other stuff that is out there and available they look completely different. Our cams are extremely smooth on the valve-train and they're easy starting, without the need for extra mechanical

Feuling oiling systems include a billet 6061 high volume oil pump, billet 7075 hard anodized camplate, HP+ hydraulic roller lifters and a gasket kit





The conrod design for the W3 engine was based on that of ones used in radial aero engines

components in them and we're getting very wide power bands. We've really gone after the torque with them because Harley-Davidsons are such heavy bikes. We have everything covered with just three different grinds."

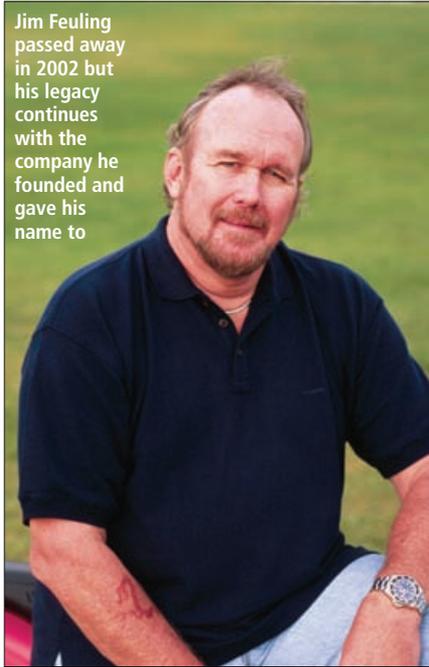
The five grinds being offered in the Reaper line are the 525, 543, 574, 594 and 630. Luke describes the 525 cam as: "A real workhorse, designed to increase torque band width and increase fuel economy." It features 525in intake and 535in exhaust valve lift and is suited for use on stock 88ci and 96ci motors, but can also be used in 103ci applications. It is compatible with factory valve springs, pushrods and lifters and offers increased throttle response and eases starting.

Created for use in modified engines, especially those with modified cylinder heads, increased compression ratio, performance exhaust and intake systems, the 574 is said to provide smooth valve-train motion due to the layout design of its lobes. Performance valve springs are required on '99-'04 engines and performance pushrods and lifters are recommended.

The final grind of the five options is the 630, which is described by Luke as having a: "wide streetable power band from a high lift profile for high performance engines with highly modified cylinder heads and compression ratio." In addition to the head work any engine the 630 is used in needs carburetor and/or throttle body work along with a performance exhaust and intake system and high performance valve springs, pushrods and lifters.

Following the production of the cams

Jim Feuling passed away in 2002 but his legacy continues with the company he founded and gave his name to



Luke says: "hooking up with ARP, Timken & James Gaskets has made it possible for Feuling to be the only company capable of offering a complete camchest package replacing all of the factory components. Once installed the camchest kits offer 25-35 degree drop in cylinder head temperature, 15-30 cooler oil temperature, 15-30 more lbs. of oil psi over the factory, SE or other aftermarket oiling system components."

Luke and the staff at Feuling have also been working to cover the other areas that need attention in the Twin Cam engine when a performance cam is used, as he explains: "Bit by bit we've been increasing the product line. Customers are now getting used to the idea of beehive valve springs for instance.

"People used to be very wary of them. Part of the problem was companies selling beehives made out of inferior material, which caused failures of the springs. However, the beehive spring design dates back to the Wright brothers who used beehive valve springs in their airplane engines. The technology has been around a long time but the advances in material development have allowed us to use them in high performance engine applications," Luke concluded.

The 'Econo BeeHive' valve springs in the Feuling product line are made from the same premium stress relieved conical ovate

wire, which is said to have an excellent level of fatigue life, and the springs are designed to handle the demands of performance engines. Each spring kit not only features the BeeHive valve springs but also lightweight seven-degree steel retainers, machined, heat treated, chrome moly spring seats, seat shims and valve locks and a set of Viton valve seals equipped with a spring loaded valve stem wiper system. An advantage of using the Econo BeeHive valve spring kits is that the use of lightweight retainers allows the engine to rev quicker and more smoothly in comparison with a motor fitted with regular dual valve springs.

The valvetrain component range of parts from Feuling is completed with the Race Series lifters, which are full-travel hydraulic lifters with a machined steel body. The lifters have been designed to exceed the needs of large lift camshafts and higher valve-spring pressures with a slower bleed down rate. The lifters are said to maintain proper oil flow to the top end, increase engine RPM, and valve-train stability, while at the same time decreasing valve float to promote maximum valve lift.

Moving on from the motor's valvetrain, Luke was keen to talk about Feuling's newest project which is a one-piece crank for V-Twin applications. It was decided that a crank would be the next engine part to come from Feuling due to the run out on the end of the stock crank that can



Feuling's oil pumps are assembled by hand to ensure the highest possible quality control



Jim Feuling's many achievements include competing in land speed record attempts with a streamliner



Early versions of the Feuling W3 engine used just six non-Harley-Davidson parts in their construction

sometimes be excessive. While this is not an issue on a completely stock motor, it can be a problem when a Feuling cam plate is bolted to the end of the crank. Luke explains that it is a development that came about from the work done on the W3 motor. "In a way this is bringing us back to the W3. The conrods we used in that were based on the design of those used on a radial aero engine which uses a slave rod off the rod bolted to the main conrod on the crank. And we're going to use a similar idea to connect the rods to our one-piece crank.

"Our crankshafts are being machined as one-piece and the flywheels bolt on. It makes them much easier to balance," he concluded.

While the cranks are not yet in production, once they do become available they will be offered not only directly from Feuling but also through the various distributors that carry the Feuling line of parts.

It is not just parts for V-twin motorcycle engines that are in development at Feuling these days. An ongoing project at the Mojave, California, facility is the company's Green Flight Challenge for the NASA and CAFÉ aeronautical contest.

The contest is a comparative aircraft efficiency race where teams enter aircraft that can average at least 100mph on a 200-mile flight while achieving greater than 200 passenger miles per gallon.

To win, teams entering the challenge must use cutting-edge technologies in

mechanical and electrical engineering, structures, aerodynamics and thermodynamics. As a national showcase of green technology, the challenge is expected to help advance all three of the major climate mitigation initiatives: efficiency, conservation and zero-carbon energy sources. These technologies will support advances in aviation and may have broader applications in transportation and energy storage.

Luke believes he and the team at Feuling have a good chance of winning because: "By using the latest in stretch technology, we plan to exercise our experience in engines and aeronautics design to achieve the most efficient system possible in the future. Unfortunately we had a last minute motor failure which kept us from making the competition, we currently have the airplane ready to fly at a moments notice with a quick charge to the batteries"

Whether the team succeed or not, one thing is certain that the new technology developments that come through the research for the project will make their way through to the motorcycle industry in one form or another.



**FEULING PARTS**  
 Mojave, California, USA  
 Tel: 619 917 6222  
[info@feulingparts.com](mailto:info@feulingparts.com)  
[www.feulingparts.com](http://www.feulingparts.com)



Luke Leatherman (left) and Gene Sheehan (right) working on the carbon fibre wings of the Feuling entry for the Green Flight Challenge



Jim Feuling in front of the many patents he had for engine design and development



A new chapter in the Feuling story is the development of an all electric aeroplane capable of averaging at least 100mph on a 200-mile flight while achieving greater than 200 passenger miles per gallon

# Best Body In The Biz.



**Unparalleled Quality, 3D Molded, Direct Bolt-On Components!**

See these and all products for your bagger at [baggernation.com](http://baggernation.com)



Classic Stretched 21",  
23" and 26" Fender

Chupa Stretched Fender  
For CVO™ Lights  
Fits 92-2013 Models

Big Bag Stretched Bags  
No Outlet  
Single Outlet  
Dual Outlet

Swoop Side Covers  
Smooth or Scooped 1993-2013

 Made in the USA



**Kuryakyn**

# LIGHTING

WITHOUT LIMITATION



HUNDREDS OF NEW PRODUCTS @ [WWW.KURYAKYN.COM](http://WWW.KURYAKYN.COM)

866.293.2954



**HCI**  
**HELMET CITY INC.**



[www.helmetsales.com](http://www.helmetsales.com)

Jobs for today  
Order new HCI Helmets  
Sort filing  
Call Al about meeting  
Finish stock check

Make sure it's top of your list today!

call toll free 1 888 550 3731 for the catalog  
or visit the website [www.helmetsales.com](http://www.helmetsales.com)



## Kraft Tech frames for Sportsters

KUSTOMWERKS is stocking the Kraft Tech range of rigid frames that utilize the Sportster drivetrain.

Once such example, shown here, uses 1½in tubing and accepts a 180-section rear tire using a stock belt or a 200 with chain drive.

All Kraft Tech frames are TIG/MIG welded and accept Sportster engines '86 – '03, and come complete with a manufacturer's statement of origin.

Oil tanks, rigid fenders, and fender braces to work with the frames are also available through Kustomwerks.

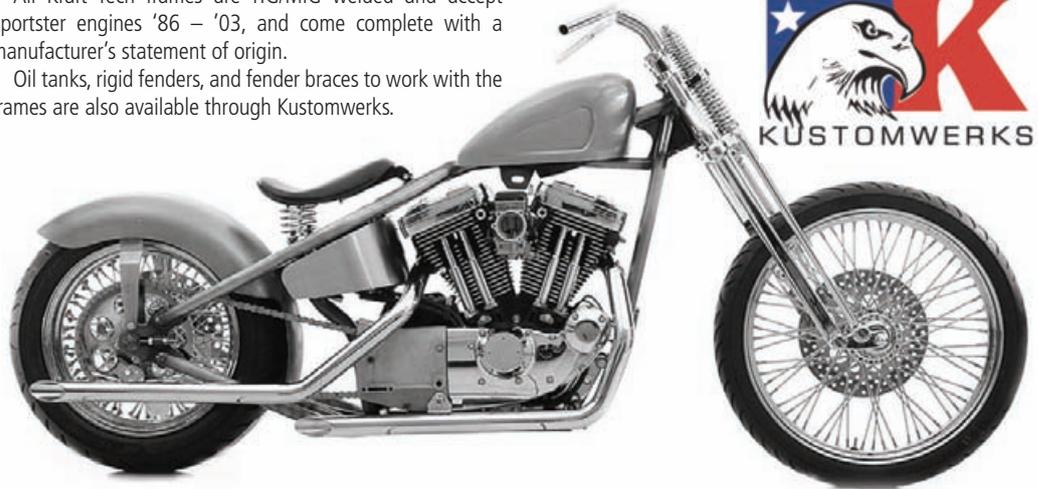
**KUSTOMWERKS**

**Kernersville, North Carolina, USA**

**Tel: 800 498 4711**

**sales@kustomwerks.com**

**www.kustomwerks.com**



## Wizards' Spray Wax incorporates nano-technology

WIZARDS' newest product is Mystic Spray Wax, which uses recently developed nano-technology with the company's proprietary synthetic formula to create a detailing product said to be better than traditional carnauba waxes.

Wizards states that it has developed the Mystic Spray Wax to be more compatible with modern clear coats, and that it will work on all paint types to provide an instant bond



with both gloss and depth after application and sustained water beading wash after wash.

The easy application spray is claimed to eliminate hazing and white filmy residues. In addition to working on paint, Mystic Spray Wax can be used on any hard surface including glass, chrome, polycarbonate, fiberglass, gel-coat, plastic and rubber trim to safely removes dust, bugs, bird droppings, road grime, oily fingerprints and light water spotting.



**WIZARDS PRODUCTS**

**Hanover, Minnesota, USA**

**Tel: 800 356 7223**

**sales@wizardsproducts.com**

**www.wizardsproducts.com**

## Primo open belt drives

THE engineers at Primo appreciate that many riders want to run open belt drives, and that includes riders who have touring bikes with floorboards where traditional open belt drives would not be compatible. To solve this issue the company makes a narrow open belt drive to fit '90 – '06 FXR and Touring models. It makes use of a high performance, heavy duty 8mm drive belt and forged 6061 aluminum pulleys. The motorplate is machined from a solid block of 6061 billet aluminum and includes the heel toe shifter shaft support, which can be unscrewed from the motorplate for applications using forward controls. The outer center guard is machined from billet aluminum stock and chromed, with the clutch beauty cover chromed too.

For newer models, Primo has its Brute IV Extreme, which fits '07 and later Touring models. This open belt drive features a ¾in thick billet aluminum outer guard and a Rivera Pro clutch. It also uses an 8mm drive belt (said to be capable of handling



150hp plus engine outputs) and Primo's forged 6061 aluminum pulleys. The same features and styling of the motorplate used for earlier bikes are also used on this application.

**RIVERA PRIMO**

**Whittier, California, USA**

**Tel: 562 907 2600**

**info1@riveraprimo.com**

**www.riveraprimo.com**



## LED headlamp from Headwinds

HEADWINDS now has a 7in LED headlamp available. The new light uses solid state LEDs, which are energy efficient and can withstand shock and vibration. Headwinds are so confident of the lights' durability that they say users will never have to

replace another bulb again. The non-glare LED lamps are claimed to offer brighter, whiter color and a superior light pattern, providing drivers with improved visibility. A die-cast aluminum reflector is used in the lamp, which is equipped with a hi/lo beam and DOT approved.

**HEADWINDS**  
Monrovia, California, USA  
Tel: 626 359 8044  
[headwinds@headwinds.com](mailto:headwinds@headwinds.com)  
[www.headwinds.com](http://www.headwinds.com)



## Rick's adjustable 'Good Guys' levers

RICK'S has built a solid reputation for its line of custom wheels, and now the company is putting its CNC working knowledge to producing other billet aluminum pieces, and among the new parts

are the 'Good Guys' adjustable hand control levers. Based upon the Synto lever by ABM, the design has been adapted to allow the levers to work on all Harley-Davidson models.

The levers, which are CNC machined in Germany, come with European homologation and are available in black and silver anodized finish, plus there is the option of long and short versions of the exchangeable lever tips. Kits include both levers, clutch and brake, plus both lever tip versions; long and short.



**RICK'S**<sup>®</sup>  
MOTORCYCLES

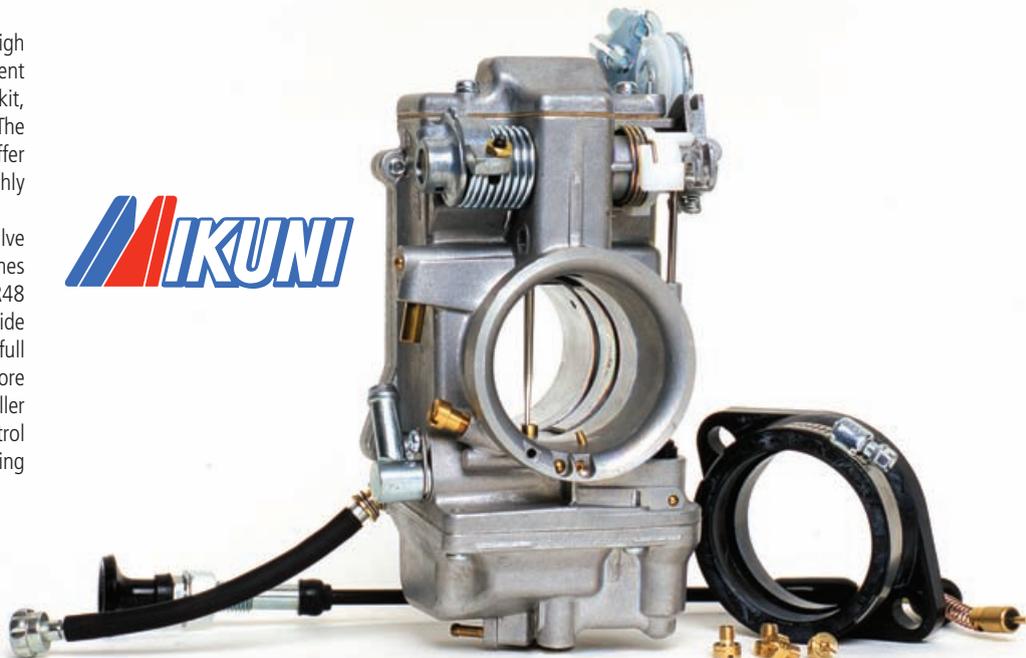
**RICK'S MOTORCYCLES**  
Baden-Baden, GERMANY  
Tel: +49 (0)7221 3939 0  
[info@wheelsforwinners.com](mailto:info@wheelsforwinners.com)  
[www.ricks-motorcycles.com](http://www.ricks-motorcycles.com)

## Mikuni HSR48 flat slide carburetor

MIKUNI describes its HSR48 as the premier high performance carburetor for larger displacement American V-twins with a modified exhaust, cam kit, performance ignition, and performance heads. The big 48mm smoothbore throttle bore is said to offer the highest air flow possible, while providing highly accurate fuel metering, and more power.

A new extended main jet and larger fuel valve assure ample fuel supply for very powerful engines even at wide open throttle. Additionally, the HSR48 features an eight-roller bearing flat throttle slide assembly that allows an unobstructed venturi at full throttle to flow more air, while it carburets more precisely at all throttle settings. Mikuni's roller bearing throttle slide offers smoother throttle control and allows the use of a lighter throttle return spring for reduced throttle effort.

**MIKUNI**



**MIKUNI AMERICAN CORPORATION**  
Northridge, California, USA  
Tel: 818 885 1242  
[www.mikunipower.com](http://www.mikunipower.com)

# RENEGADE WHEELS

*Custom Motorcycle Wheels*

**USA  
MADE  
AMERICAN  
CLASSIC**

*"You can finally own!"*



TAHOE



[WWW.RENEGADEWHEELS.COM](http://WWW.RENEGADEWHEELS.COM)

ORANGE, CALIFORNIA • PH (714) 998-7241 • FAX (714) 998-7297

**AVON**  
TYRES

## CCCS Simplified Air Suspension

CUSTOM Cycle Control Systems has reduced the price of its Simplified Air Suspension (SAS) by 15 percent at both the dealer and consumer levels and is offering free shipping too on all SAS units. Butch Yaple, President of Custom Cycle Control Systems, said: "We have lowered the price on our SAS system in order to stimulate sales at the dealer level during these tough economic times. Additionally, we are offering a 30-day money back guarantee and also a lifetime warranty on all machined parts on our newly engineered SAS unit."

The SAS has no compressor to mount, no pressure hoses to run, nor fittings to fail.

It replaces the bike's shocks and is wired via an on/off switch directly to the battery. It fits all Softail Harley-Davidsons as well as custom production bikes.



**CUSTOM CYCLE CONTROL SYSTEMS**  
Henderson, Nevada, USA  
Tel: 702 438 2129  
[info@customcyclecontrols.com](mailto:info@customcyclecontrols.com)  
[www.customcyclecontrols.com](http://www.customcyclecontrols.com)



## BDL Mesh and Spoked pulleys

BELT Drives is now offering billet final drive pulleys in two styles; Mesh and Spoked. Manufactured by BDL in Southern California, each pulley is machined from 6061 billet aluminum and gear cut for enhanced durability and performance.

The pulleys are available in a choice of chrome or black with accent cuts and fit H-D models from '00 - '12.



**BELT DRIVES LTD**  
Orange, California, USA  
Tel: 714 685 3333  
[E-mail:bdlusa@aol.com](mailto:E-mail:bdlusa@aol.com)  
[www.beltdrives.com](http://www.beltdrives.com)

## New Fehling parts for Dyna Switchback

GERMAN luggage and rack specialist Fehling has extended its Harley-Davidson range to include a selection of parts designed specifically for the Dyna Switchback.

The new range of parts includes a choice of two designs of engine bars. The first version is made from 38mm tubing and bends in at the bottom to the width of the frame. The second option, which also uses 38mm tubing, does not curve in so rapidly along its length.

Fehling is also offering a lighting bar for the Switchback. It mounts below under the lower triple tree and has brackets for two additional lights.

For the rear of the Switchback, the company makes a chromed rear rack and also a tubular sissybar which integrates a back pad on one side and a small rack on the other.

The final new piece from Fehling for the Switchback are its side case guards. Made from chromed tubular steel, they have been designed to protect the hard bags from impact damage.



**FEHLING**  
Wickede (Ruhr), GERMANY  
Tel: +49 (0)2377 2033  
Tel from US: 01149 2377 2033  
[info@fehling.de](mailto:info@fehling.de)  
[www.fehling.de](http://www.fehling.de)



# KNOWLEDGE IS POWER



Powersports University free online training is now available throughout Europe.

Courses for Kuryakyn, Mustang Seats, Performance Machine, Progressive Suspension, Renthal and Vance & Hines are available for current and future industry staff to further improve their knowledge of these brands and their products.

What's more, PSU's "Earn As U Learn" programme allows you to earn promotional merchandise and product credits meaning the more you learn, the more swag you earn... Simple!

In summary, Powersports University gives you...

.....★.....  
**INTERACTIVE**  
**ONLINE TRAINING**  
**ANYTIME, ANYWHERE**  
.....★.....  
**FREE!**

So why wait?



**SCAN NOW TO ENROLL!**  
or visit **PowerSportsU.com**

**POWERSPORTS UNIVERSITY™**



# BE BOLD WE KNOW WE PERFORM

PERFORMANCE • CUSTOM • TUNING

# MESSE ESSEN, Germany

## May 10-12, 2013

**The European 'Headquarters' Expo for the International motorcycle parts, accessory, performance, workshop, service and tuning industry**



### Featuring ...



**The first annual International Motorcycle Industry Conference**

**The World Championship of Custom Bike Building**

**The first annual International Motorcycle Industry Awards**



**Friday 10th - Industry Day • Saturday 11th - Public Day • Sunday 12th - Public Day**

[www.bigbikeeurope.com](http://www.bigbikeeurope.com)

# Drag Specialties extends product range

DRAG Specialties now has its own motor mount stabilizers available. The chrome plated stabilizers are said to reduce the vibration felt through the seat, handlebars and pegs. They are available for '84 – '08 FLT, FLHT and FXR applications (two motor mount stabilizers required) and '91 – '05 Dyna Glide models (one motor mount stabilizer required). Each motor mount stabilizer includes mounting hardware.



Drag Specialties' motor mount stabilizers are said to reduce the vibrations felt from the engine

The replacement kickstand offered by Drag Specialties is available in over- and under-sized lengths as well as stock



The fairing pocket liners are a joint effort from Hotop Designs and Drag Specialties

The replacement kickstands now available from Drag Specialties are offered in stock, 1in over-stock and 1in under-stock lengths. Made from steel in an E-coated primer, powder-coated gloss black finish,



Drag Specialties has its own saddlebag lid tethers to help prevent damage to the bags and their lids

the 1in over-stock kickstands are for bikes with longer suspension than stock. The 1in under-stock kickstands are for bikes with lowered suspensions.

Hotop Designs continues to work closely with Drag Specialties, and the latest collaboration is a fairing pocket lining kit. The kit includes everything needed to line fairing compartments with a soft, thick, durable fabric. Made for '98 – '13 FLTR and FLTRX models, the pliable, stretchable material fits into the corners of compartments for a professional fit and finish. The kit includes enough material for both left and right compartments.

Drag Specialties also has its own brand tethers for use in saddlebags. They have been designed to prevent saddlebag lids from flopping all the way open, saving wear and tear on the lids, hinges and saddlebag sides. Each Drag Specialties printed tethers measures 8¾in long by 7¾in wide, and included with them are steel zinc-plated support plates and saddlebag lid screws (latch screws are not included). The tethers will work with any '93 – '13 FLD, FLT, FLHT, FLHR and FLTR models equipped with OEM saddlebags.



**DRAG SPECIALTIES**  
Janesville, Wisconsin, USA  
Tel: 608 758 1111  
[drag@dragspecialties.com](mailto:drag@dragspecialties.com)  
[www.dragspecialties.com](http://www.dragspecialties.com)

## Zipper's Zip kits

ZIPPER'S Performance Products has developed its Zip kits as a bolt-on power increase package for Big Twin applications and Sportsters.

A wide range of kits are being offered with options on exhausts available, and each kit also including a Zipper's MaxFlow performance air cleaner and a ThunderMax with AutoTune EFI Controller.

For Touring models ('09 – '13), the Zip kits exhaust options are complete systems with 2-into-1 headers, 2-into-2 with cross under headers, Rinehart True Duals, replacement mufflers that work with the stock headers or replacement headers to work with the customer's mufflers. All full replacement performance systems Zip kits are fully compatible with the 18mm full rpm-range wide-band sensors that ThunderMax uses. In 2010, H-D changed the size and location of the narrow-band (limited rpm-range) oxygen sensors when they added the catalytic converter to the collector area of the header. ThunderMax can still work with 2010-up headers, but 18mm bungs will need to be added to the factory catalyst-equipped headers. The Factory '09 49-state standard 96ci and 103ci models are equipped with header pipes equipped with 18mm sensor bungs that are fully compatible with ThunderMax.

Like the Touring bike kits, the Zip kits for Softail and Dyna models are offered with

various exhaust system options, and these include 2-into-1 or 2-into-2 complete replacement exhausts or replacement mufflers only. Once again, all full-replacement performance systems in the Zip kits are fully compatible with the 18mm full rpm-range wide-band sensors that ThunderMax uses. ThunderMax can still work with factory '12 and onward headers, but 18mm bungs will need to be added to the factory headers (weld-in bungs are available separately). For '07 – '11 models

using stock header pipes the 18mm sensor bungs fitted as standard are fully compatible with ThunderMax. The Sportster kits are available for '07 – '13 models, and can be purchased with full or partial exhaust systems; 2-into-1 style headers for the complete system or replacement mufflers only.

**ZIPPER'S PERFORMANCE PRODUCTS**  
Elkridge, Maryland, USA  
Tel: 410 579 2828  
[zippers@zippersperformance.com](mailto:zippers@zippersperformance.com)  
[www.zippersperformance.com](http://www.zippersperformance.com)



100% MADE  
IN THE U.S.A.



RACING PRODUCTS

Proud Sponsor of



Available through



## **RUSH Has 2013 High Performance Exhaust**

Looking for that perfect high performance exhaust system that brings you superb performance, amazing sound, and unmatched quality for your new 2013 Harley? Then look no further than RUSH Racing Products, the leader in high performance exhaust. RUSH has you covered no matter what performance and sound you are looking for with our interchangeable baffles, and RUSH ceramic coats the inside and the outside of all of our full systems to keep you cooler for a more enjoyable riding experience. Feel the RUSH when you instal your new RUSH high performance exhaust system.



Visit Your Local Dealer For A RUSH.

2777 E. 83rd Place Merrillville, IN. 46410 866-99-4RUSH [www.rushracingproducts.com](http://www.rushracingproducts.com)

## New stock at W&W

W&W has now added Kibblewhite Precision Machining's cast iron valve guides to the extensive range of parts it carries in stock. The replacement guides use a cast iron blend that is unique to the company and contains specific amounts of key elements such as carbon, silicon, manganese, nickel, copper and sulfur to create a highly pearlitic structure with dense fine grains for excellent wear resistance. The guides are also said to have a superior surface finish in the guide bore for less wear on the valve stems. A second new line at W&W Cycles is from fellow German business Rick's. The new part



**RICK'S**  
MOTORCYCLES

from Rick's is a front mounting bracket, which bolts to the lower triple tree and holds two Kellermann Micro turn signals.

**W&W CYCLES**  
Wuerzburg, GERMANY  
Tel: +49 (0)931 250 61 16  
(011931 250 6116 from the US)  
[sales@wwag.com](mailto:sales@wwag.com)  
[www.wwag.com](http://www.wwag.com)



## New tools from JIMS

AMONG the new tools now being produced by JIMS is a Twin Cam piston ring end gap tool that was created by multiple land speed world record holder Hiro Koiso. Designed to test ring gaps with a unique proprietary cutout feature, the flanged shape allows the piston ring to fit squarely into the cylinder bore every time. The tool is installed into a cylinder bore and then the piston ring is placed onto the tool. The user can then view the ring end gap in the 'Key Slot' and use JIMS feeler gauge tool to determine the exact end gap measurement. The piston ring end gap tool works for 95ci, 103ci and 110ci H-D engines with 3.875in or 4.000in bore and 120ci, 131ci, and



135ci JIMS engines with 4.125in or 4.310in bore.

A second new product from JIMS is its Mighty Bite flywheel lock. It has been designed to hold Twin Cam flywheels in place while performing service work on the con rods or pistons with the cylinders off the engine. To use, the flywheel position sensor is taken out and the Mighty Bite is installed into the case, and the flywheel is then locked from being able to turn or rotate.



**JIMS USA**  
Camarillo, California, USA  
Tel: 805 482 6913  
[sales@jimsusa.com](mailto:sales@jimsusa.com)  
[www.jimsusa.com](http://www.jimsusa.com)



## Wire Plus' Big Dog HCM retrofit kit

WIRE Plus Powersports Electronics' has released a 'HCM' retro-fit kit for all EHC module equipped '04-'08 Big Dog motorcycles. The replacement module has been created to replace the stock EHC. Once installed, it is claimed that the new module will provide the solution for Big Dog bikes not starting due to electrical problems. The new module works with all of the switches used on all '04 models and onward, and each kit comes complete with Wire Plus' proven power module and switch control module configured to work with the ground input switches used on the Big Dog motorcycles. The Wire Plus power modules are submersible waterproof and very compact in size with harnesses that the company says are engineered to be smaller than any

other on the market. The lighting control module controls the operation of the front and rear turn signals, and provides load equalization and auto cancelling. It also operates the rear turn signals as brake lights and running lights with one wire hook-up. Wire Plus has added ring terminals, butt splices and wire to the kits to make the hook-up of the ground wires easier. They have also added wire and butt splices for the wires that have more than one wire going to a pin.



**WIRE PLUS**  
Winfield, Kansas, USA  
Tel: 620 221 2417  
[sales@wire-plus.com](mailto:sales@wire-plus.com)  
[www.wire-plus.com](http://www.wire-plus.com)

# The New Way To Tune!

Get the most from your engine by accurately tuning with the new TCFI4 System



- Easy to Install
- Auto Tunes!
- No Dyno Required!
- Made in the USA

Simultaneously auto-tune fuel curves for front and rear cylinders under actual riding conditions.

Fully programmable plug-in replacement for 36 pin Delphi® controller.

Special Order Versions Available for Supercharged and Turbocharged applications - Call Today.

Not legal for sale or use on pollution controlled vehicles.

# The Low Cost Way To Scan!



Read and Clear Diagnostic Codes Quickly and Easily!

- Real time display of engine data
- Built-in datalogging
- Uses PC Laptop with Windows XP/Vista/7

For More Information:

 **Daytona Twin Tec**  
**Daytona-TwinTec.com**  
**386.304.0700**

933 Beville Rd., Suite 101-H, South Daytona, FL 32119

A D V E R T I S E M E N T

# The New Way to Tune and Scan Codes with Daytona Twin-Tec!

## Easier "Auto Tuning" for your Fuel Injected Harley

Daytona Twin Tec was the first to the aftermarket with "Auto Tune" technology using wide-band sensors, and over the years they have made many improvements. The new, just introduced, TCFI Gen 4 is smaller than ever, it's easier than ever to install, more powerful than ever and the software is easier than ever to use. If you know how to work a Windows Program, you'll know how to work with the TCFI Gen 4.

It's a true plug-in with no extra wires to connect, no cutting or splicing involved. The new black anodized billet aluminum housing is not only smaller but it is machined so that the WEGO fits neatly into the slot on



the housing. Just remove your stock ECM, install the new TCFI4 controller and WEGO, free air calibrate and install the included wide-band sensors. Install and run the included software, follow the set-up instructions, and you're ready to go for the initial ride.

Using the included software, which displays all the important tables, including spark advance, in easy-to-read 3D charts you can custom-tune that motorcycle to EFI perfection. Those wide-band sensors allow you to set the air/fuel ratio to any desired value from 10.5 to 15.0 to 1 at every RPM and throttle position. The Gen 4's updated programming eliminates tuning problems with bikes using long duration/high overlap camshafts, too. There's extended data logging and diagnostics here, as well. A new DataFLASH memory is able to store a full 60 minutes of operating data at 10 samples per second and there are lots of programmable functions for things like RPM limits and ignition retard and for other accessories like shift lights, electronic shifters and even nitrous oxide systems. The TCFI4 supports the J1850 data bus used for communication with the bike's turn signal/security module and instrument cluster. For more information on how to use TCFI Gen 4 and to download sample software go to the Daytona Twin-Tec website, [www.daytona-twintec.com/TCFI.html](http://www.daytona-twintec.com/TCFI.html).

Currently available for the following applications, all the 2001 through 2011 Twin Cam bikes, the 2007 through 2012 Sportsters and the 2002 through 2012 V-Rods, and even a 50 state street legal with ARB E.O. No. D-641-5, for 2001 through 2006 88 CID Twin-Cam, using the 36-pin Delphi® controller with a J1850 data bus. Special order

versions are available for supercharged and turbocharged applications, running up to 30 psi boost.

## Twin Scan 3 Diagnostic Scan Tool for 2011 and Later Harley-Davidson® Motorcycles with CAN Data Bus

The new Twin Scan 3 is compatible with 2011 and later H-D® fuel injected models with CAN data bus. You can use our Twin Scan 2 for 2001-2012 models with J1850 data bus. The Twin Scan reads and clears diagnostic trouble codes from ECU (engine control unit), BCM (body control module), ABS (anti-skid brake system), speedometer, and tach, plus it has real time display of engine data on an instrument panel type display. It's built in data logging is especially useful for diagnosing hard to find intermittent trouble codes. The motorcycle can be operated while the unit is installed. Under normal conditions (no trouble code), the unit will store data for the last hour of operation. If a trouble code is set, the unit automatically stops log-



ging data 30 minutes after the code is set. This allows you to examine data before and after the code was set, even days later. You have a range of capabilities for analyzing and printing out logged data that is displayed in a chart recorder format.

The new Twin Scan 3 includes two analog inputs with 0-20V or  $\pm 200V$  range, plus it includes a scope meter feature that allows display of two signal waveforms and is very useful for diagnostic purposes. The optional probe kit includes two insulation piercing probes and extension wires with mating Weather-Pack connectors that plug into the analog inputs on the Twin Scan 3. Insulation piercing probes allow easy connection to any point on the motorcycle wire harness. The scope meter feature is independent of the scan tool capability and can be used on any vehicle.

Another nice feature is that Twin Scan units can be upgraded using our Twin Scan Plus Kit to turn it into a great tuning aid.

Please see our website [http://www.daytona-twintec.com/Twin\\_Scan3.html](http://www.daytona-twintec.com/Twin_Scan3.html) for details.

### SOURCE:

Daytona Twin Tec  
Daytona-TwinTec.com • 386.304.0700  
933 Beville Rd., Suite 101-H,  
South Daytona, FL 32119



## Le Pera's Nomad II

THE latest seat design to be launched by Le Pera is the Nomad II.

Unlike other seats from the company, the side 'slashes' on the Nomad II are the design stand-out feature.

The seat has been created for use primarily on bar hoppers rather than for touring use.

**LE PERA ENTERPRISES**  
North Hollywood, California, USA  
[info@lepera.com](mailto:info@lepera.com)  
[www.lepera.com](http://www.lepera.com)

## Fitment carry-over for 2013 models

VANCE & Hines has confirmed that all of its slip-on, head pipe and full system product fitments for 2012 Harley-Davidson Touring, Softail, Dyna, Sportster and V-Rod model lines will carry over to the new 2013 year models from the Motor Company.

The carry-over extends to Trike and CVO models as well, with the exception of the new CVO Breakout. Current Softail products will not fit the CVO Breakout. However, new model specific products for the CVO Breakout are in development.

In addition, all Fuelpak and VO2 Air Intake applications for 2012 Touring, Softail, Dyna and Sportster models carry over to the 2013 models, with the exception of Fuelpak for Sportster models.

A new Fuelpak part number and application for 2013 Sportster models is due to be released shortly.

Throttlepak fitment for the Touring family also carries over to 2013 models.

# VANCE & HINES



**VANCE & HINES**  
Santa Fe Springs, California, USA  
Tel: 562 921 7461  
[sales@vanceandhines.com](mailto:sales@vanceandhines.com)  
[www.vanceandhines.com](http://www.vanceandhines.com)



# Building a Panhead?

## STD The Largest Selection of Panheads Available!



- 1948 - 1954 Replica Pan
- 1955 - 1962 Replica Pan
- 1963 - 1965 Replica Pan
- 1948 - 1984 Pan/Shovel



**STD Development • Downey California USA**  
[www.STDDevelopment.com](http://www.STDDevelopment.com) • 562-803-1700



**BIKER'S CHOICE**

SINCE 1971

**MORE PRODUCT. MORE BRANDS.  
MORE BIKER.**

**2012 CATALOG**

SERVING AMERICA'S V-TWIN DEALERS SINCE 1971

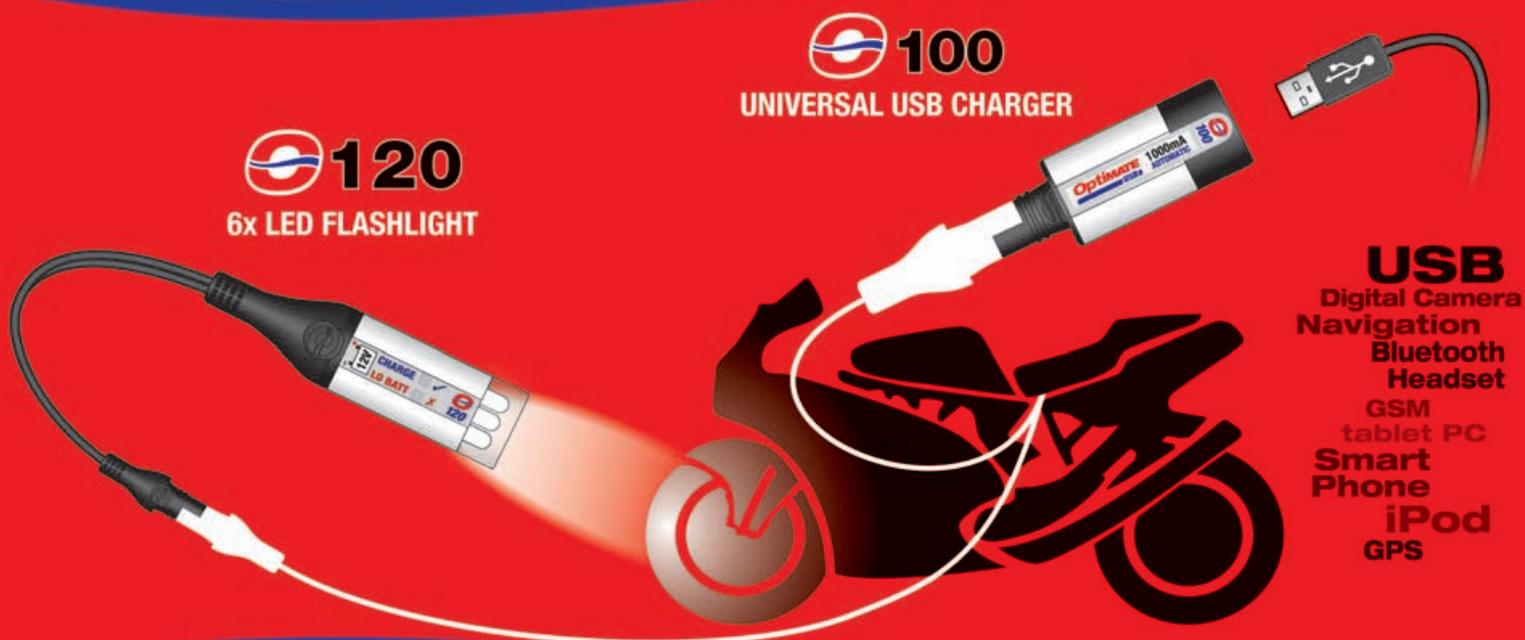
[BIKERSCHOICE.COM](http://BIKERSCHOICE.COM)

# Because It's Your Passion



800-356-7223  
 WizardsProducts.com

**NEW!** **Optimate**  
 accessories



**Optimate™**  
 Battery Performance  
 Guaranteed!



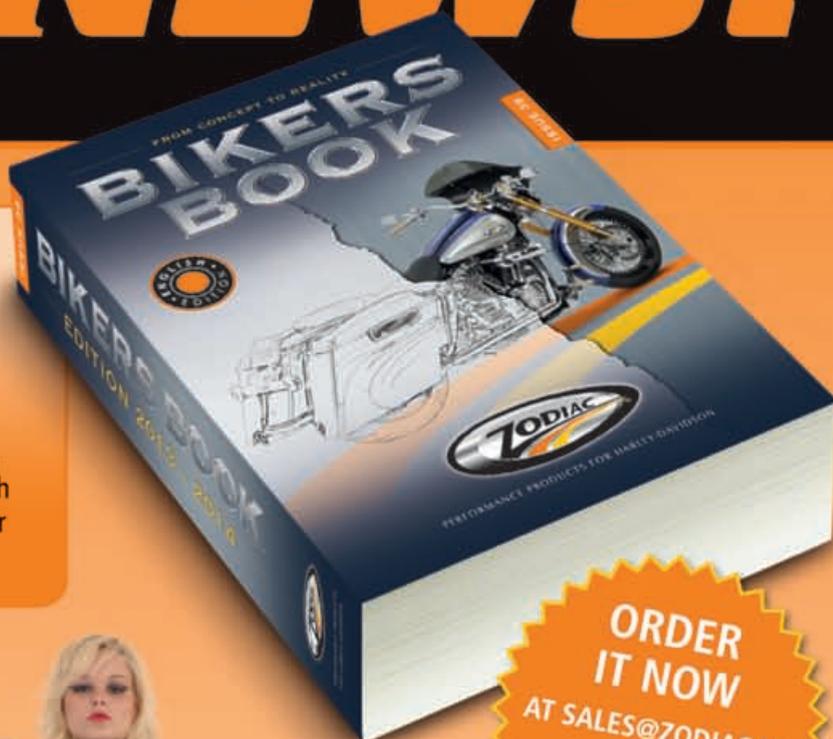
YouTube: tecmate1

optimize1.com

# HOT NEWS!

## THE NEW ZODIAC BIKERS BOOK 2013 IS OUT NOW!

The new Zodiac catalog is available in English, German, French, Italian and Spanish. 1,584 Full colour pages with thousands of new and exciting parts and accessories for Harley-Davidsons.... from Baggers to Bobbers.



ORDER  
IT NOW  
AT SALES@ZODIAC.NL

€ 9,95  
excl. postage



PERFECT FITMENT | WIDE PRODUCT RANGE | FAST DELIVERY  
QUALITY & EXCELLENCE | NO NONSENSE WARRANTY

Check out <http://www.zodiac.nl/en/locator/index.html> for your nearest Zodiac dealer.



PERFORMANCE PRODUCTS FOR HARLEY-DAVIDSON

ZODIAC INTERNATIONAL B.V., INDUSTRIEWEG 44, 3641 RM MIJDRECHT, THE NETHERLANDS. PHONE +31 297 288 621, FAX +31 297 288 226.  
SALES OFFICES IN: THE NETHERLANDS, GERMANY, ENGLAND, FRANCE, SPAIN, ITALY, SWITZERLAND, HUNGARY.

Internet: [www.zodiac.nl](http://www.zodiac.nl) E-mail: [sales@zodiac.nl](mailto:sales@zodiac.nl)

Original Zodiac parts and accessories are only available through a Zodiac retailer (not directly from Zodiac by mail-order).



For all Harley's and  
American V-Twins  
we recommend



# IT DOESN'T GET ANY BETTER!

CNC Machined  
Billet Clutch  
and Brake  
Controls

**\*\*100% Made in the USA\*\***



Touring  
Bagger  
Softail  
Dyna

Available at BDL Dealers Worldwide

**BELT DRIVES LTD**

4 Decades of Superior Quality and Performance

**WWW.BELTDRIVES.COM**



*Chris Rivas*  
Signature Series  
**ROCKET**  
**CAMSHAFTS**



*Want to get more power out of your ride? Let Crane Cams and Chris Rivas show you how!*

Crane Cams® teamed up with four-time NHRA Pro Stock Motorcycle Champion and five-time Bonneville Land Speed Record Holder Chris "Rocket" Rivas to design the new Chris Rivas Signature cams for late model 2007-up Harley-Davidson® big twins.

- » **Rocket 574** - Powerful bolt-in street and cruising cams for 96" to 107" engines with up to 9.5:1 compression. Range: 1,500 to 5,800 RPM.
- » **Rocket 584** - Hot cams for upgraded engines 103" to 107" with ported heads and at least 10:1 compression. Delivers constant power while reducing detonation. Range: 2,000 to 6,000 RPM



Visit [www.cranecams.com/rivas](http://www.cranecams.com/rivas)  
for more information, specs, and dyno charts.

**CRANE**  
**Cams®**

# Hawg EFX running boards

LEHMAN Trikes has now made its Hawg EFX running boards available to fit the 2013 Harley-Davidson Tri-Glide and Street Glide Trikes.

The running boards, also available for 2009-2012 models, are manufactured using a composite. They fasten to the fenders and are supported by a steel subframe to make them weight-bearing.

Factory color matched paint is available for all colors.



**LEHMAN TRIKES USA, INC.**  
Spearfish, South Dakota, USA  
Tel: 605 642 2111  
[sales@lehmantrikes.com](mailto:sales@lehmantrikes.com)  
[www.lehmantrikes.com](http://www.lehmantrikes.com)

# New options at Zodiac

ZODIAC has released details of the latest additions to its product range, which includes the **Sun Ray headlight**. Measuring 7 1/2 in wide, 3 3/4 in high and 7 1/2 in long, it has a clear DOT approved lens and diamond cut reflector and comes pre-wired, with a 12V 55/60 Watt H4 halogen bulb installed. Offered in a choice of black or chrome finishes, it can be used for all bottom mount applications.



Sun Ray headlight



Fire Ring LED bezel



A second new lighting option at Zodiac is the **Arlen Ness Fire Ring LED bezel** for use with the stock 7 in headlight. The billet aluminum trim rings are fitted with daytime running LED lights or amber LEDs to be used as turn signals with left and right sides flashing independently. Offered in a choice of black anodized or chrome, the Fire Rings fit '83 to present FLHT, FLHX and FLHR and '93 to present FLST Softails.

Also known as 'The Fat Daddy', Ride Wright Wheels' Fat 50 radial laced wheels can now be purchased through Zodiac. Built with straight 3/8 in diameter stainless steel spokes, custom nipples, billet aluminum hubs and chrome steel rims, they are available with black or polished spokes.

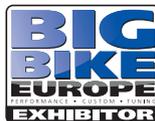
Front wheels for Softail models are single flange for use with single disc brake rotor. All other wheels are dual flange, front for use with dual disc brake rotors, rear for disc brake rotor and pulley.

All the sizes of wheel, except in 21 x 2.15 in, are

sealed for use with tubeless tires. Wheel sizes are front 16 x 3.5 in, 17 x 3.5 in, 18 x 3.5 in, 21 x 2.15 in, and, 21 x 3.5 in and for the rear 16 x 3.5 in, 16 x 5.5 in, 17 x 6 in, 18 x 3.5 in, 18 x 4.25 in, and 18 x 5.5 in.



**ZODIAC INTERNATIONAL**  
Mijdrecht, NETHERLANDS  
Tel: +31 (0)297 288 621  
[sales@zodiac.nl](mailto:sales@zodiac.nl)  
[www.zodiac.nl](http://www.zodiac.nl)



# Sportster Parts

## CLIP-ONS



## HEADLIGHT BRACKET



## FORK TUBE CAPS



## INSPECTION COVERS



# JOKER MACHINE

[WWW.JOKERMACHINE.COM](http://WWW.JOKERMACHINE.COM)



# THUNDER MAX

Now Available for 2011-Up Softail® and 2012-Up Dyna® CAN BUS Harley® Models!

ThunderMax® with AutoTune represents the future of smart technology for fuel injected Harley-Davidson® models. Buy ThunderMax® from Zipper's Performance Products, and benefit from 30 years of performance excellence. *Your customers will thank you!*



Contact Zipper's Performance Products to Order!  
Toll Free Order Line: 1-888-883-1340 • Elkridge, MD • U.S.A.  
Zippers@ZippersPerformance.com • www.Thunder-Max.com  
Not for use on pollution controlled vehicles. See website for emissions-compliant ThunderMax® 50 applications.



goes in  
**CLEAN** comes out  
**MEAN**

S&S® Step 1: High Performance Air Cleaners & Bolt-on Exhaust can Up Your Power—*Up Yours by 10 HP*

S&S Stealth air cleaners flow up to 36% more clean air than stock. S&S performance exhaust kicks it back out with a *mean rumble & does it with style.*



More flow. More power. Visit [sscycle.com/4steps](http://sscycle.com/4steps) for more info

## New seat options from Mustang

MUSTANG previously only offered its seats in black, but has recently introduced the new option of distressed brown as well as custom diamond stitching options. The company is now providing both of these options on its Wide Touring and Wide Tripper seats for the H-D Blackline and Slim Softail models. The Wide Touring seat measures 16in wide and combines Mustang's proprietary polyurethane foam material with its patented base plate. The matching passenger seats are 11.5in wide. Mustang also offers 13in Wide Tripper solo seats with or without a driver backrest for the Slim and Blackline.



**MUSTANG MOTORCYCLE PRODUCTS**  
Terryville, Connecticut, USA  
Tel: 860 582 9633

[info@mustangdealer.com](mailto:info@mustangdealer.com)  
[www.mustangdealer.com](http://www.mustangdealer.com) 

## New lines from Trask

WHILE Trask is well known for its line of turbo kits for American V-twins, the company also offers a range of parts and accessories too. Among the newest additions to this range are the V-Line handlebars.

Available in black or chrome, V-Line 'bars have been designed for Road Glides, but can be used on Dynas, Softails, Sportsters and most machines not fitted with a fairing. The handlebars are compatible with both conventional controls and throttle-by-wire.



Another new addition to the Trask parts line is the Bagger chin spoiler. Designed as a direct bolt-on fit, the spoiler is clearanced for the oil cooler, finished in primer and has all necessary mounting hardware.



**TRASK PERFORMANCE**  
Phoenix, Arizona, USA  
Tel: 623 879 8488  
[info@traskperformance.com](mailto:info@traskperformance.com)  
[www.traskperformance.com](http://www.traskperformance.com)



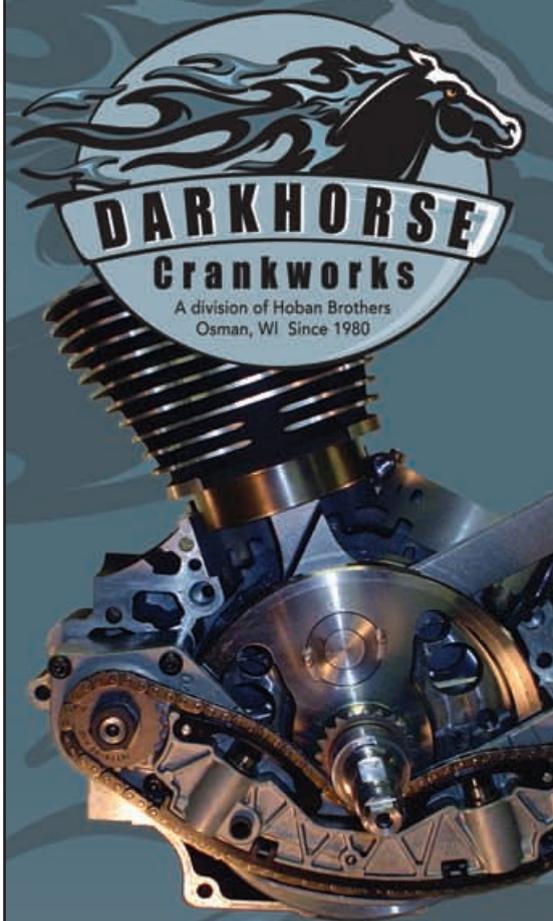
## Fenders and engine mounts from Paughco

PAUGHCO'S line of direct replacement fenders includes Touring models ('00 - '12). The bolt-on direct replacements allow the elimination of lights and other trim without welding or filling necessary. The fenders are fabricated to attach at stock factory mounting holes and are supplied in raw 14-gauge steel, ready for paint prep.

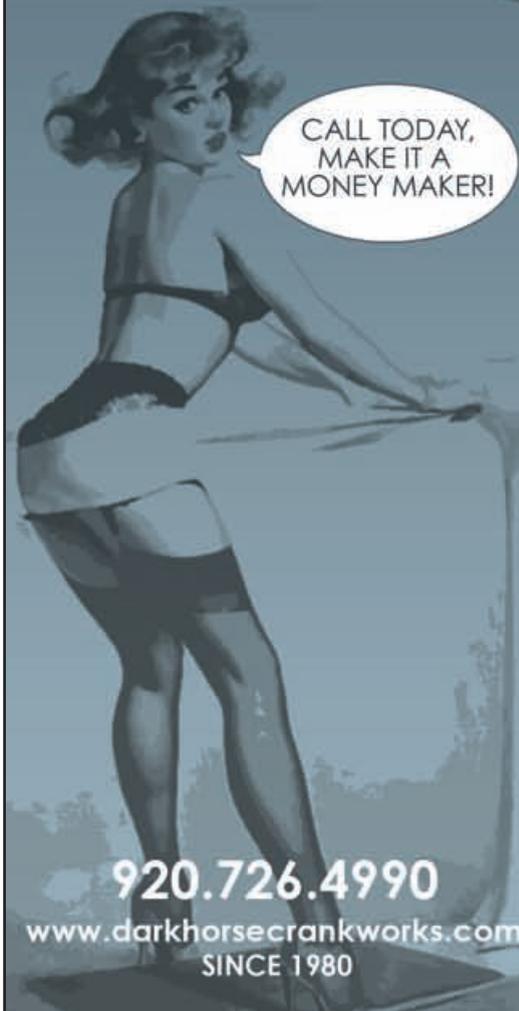
Made by Paughco under the Yankee Engineuity brand, there is a wide range of engine and coil mounts available, which allow builders mix and match pieces for particular applications. The mounts come in numerous styles for most H-D and S&S engines.



**PAUGHCO**  
Carson City, Nevada, USA  
Tel: 775 246 5738  
[info@paughco.com](mailto:info@paughco.com)  
[www.paughco.com](http://www.paughco.com)



**DON'T LET YOUR  
BOTTOM END  
BE A SHAKER!**



**920.726.4990**

[www.darkhorsecrankworks.com](http://www.darkhorsecrankworks.com)  
SINCE 1980

## Speed-Way motorsports shelters

SPEED-Way's motorsport shelter is a self-contained motorcycle storage system. The retractable waterproof cover keeps out weather, dust and debris, with the added benefit of cross-ventilation to prevent condensation from forming inside. Standard features of the shelter include an LED Light, which mounts to hardware inside the shelter, for easy night access, built-in locking hardware (lock not included) and a carrying case with handles for portability. An optional extra is the Diamond-Tough floor to protect driveways from oil drips. Two sizes of shelter are available; standard/sport and a touring shelter for full-dress touring bikes.

**SPEED-WAY SHELTERS**  
Santa Cruz, California, USA  
Tel: 831 477 9600  
[dr@speedwayselters.com](mailto:dr@speedwayselters.com)  
[www.speedwayselters.com](http://www.speedwayselters.com)



## Need Some Big Ones?



Go the extra mile with our new line of massive 7 gal. gas tanks for touring models. Available for FL Models 1996 and later. Two styles; one with dash kit, and a one-piece smooth version.

Do what you love, and ride longer between fill ups. An estimated 350 miles per tank full. Call Mid-USA today and get your hands on some big ones.



\* Estimates based on 50 mpg. Your results may vary.

Call 1-800-527-0501 in the U.S. or 1-800-893-9261 in Canada to order a 2013 catalog or to find out how to become a Mid-USA Dealer.

[www.mid-usa.com](http://www.mid-usa.com)

## DNA Beast wheels

DNA'S line of billet aluminum wheels has been expanded with the introduction of the Beast.

The seven split spoke design wheel is forged from 6061 aluminum and finished in a choice of chrome or cut black powder coat. The wheels are available to fit all Harley-Davidsons up to 2012.

**DNA SPECIALTY**  
Compton, California, USA  
Tel: 310 767 4070  
[foalx@aol.com](mailto:foalx@aol.com)  
[www.trydna.com](http://www.trydna.com)



# AIR RIDE FOR YOUR HANDS.



**NOW HEATED!**

Avon's popular Air Cushion grips are now even softer. Molded with a "knurled" feeling surface texture, and air pockets inside, these grips feel better....period. Available in chrome or anodized finish, with or without throttle assist.



Kingwood, TX  
(800)334-7477

[www.avongrips.com](http://www.avongrips.com)

Proudly made in the USA

See all the new bikes from...



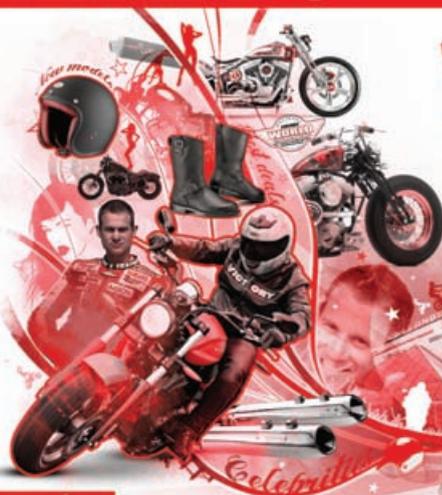
Kawasaki



TRIUMPH



aprilia



## WORLD CLASS CUSTOM MOTORCYCLES... COME TO CUSTOM:EXCEL A MUST SEE!

**Don't miss**

- See some of Europe's finest custom bikes at the 'UK affiliate round' of the AMD World Championships
- Winner of Carole Nash's Built in Britain custom competition crowned
- Get great deals on top custom gear
- See live demonstrations by the world's best builders
- Kids go free!\*



**Book tickets save 20%**

Visit and book your tickets at [www.TheCustomShow.com](http://www.TheCustomShow.com)

**BOOK YOUR ADVANCE TICKETS NOW! ONLY £16** ONE PRICE INCLUDES ALL THE SHOW FEATURES

\*All bookings subject to a £1.50 transaction fee. Children under 16 must be accompanied by a paying adult.

**INJECTION TECHNOLOGY**  
Completely smooth interior & exterior

**YEP, WE MADE 'EM BETTER**

**Stretched Saddlebags**

- Injected bag creates smooth inside and outside surfaces
- Pre-drilled and pre-fit for easy bolt-on installation
- Finished in a final primer that is ready for paint
- Stretched 4-1/2" and features more carrying space
- Available for dual, single and no exhaust configurations

MAL  
in the  
USA

**BAD DAD™**

WWW.BADDAD.COM



260-407-2000  
FORT WAYNE, IN

**BILLET FRONT END ACCESSORIES**

**Billet Triple Trees**

41mm Wide Glide



Standard or Raked  
With Or Without  
Turn Signals

**Billet Lower Legs**

41mm Wide Glide



Chrome or Black Anodized  
Single or Dual Disc

CNC Machined Billet Aluminum



"THE BILLET ALUMINUM PEOPLE SINCE 1989"

**Complete Fork Tube Assemblies**

41mm HD Application  
Super-Tough Hard  
Chrome Plating

From 2" Under  
to 12" Over  
Stock  
Length

Includes All  
Internal Components,  
Seals and Bushings

**Fork Tube Internal Kit**

Fits  
41mm  
Tubes

Includes  
everything  
needed to  
replace all the  
internal parts

**Internal Fork Stop Kits**



Internal Design

Two styles to fit all HD necks

**Our New  
2012  
Catalog is now  
available!**



- Quality CNC Billet Accessories
- Lots of Unique Parts
- Chrome or Black Anodized
- Dealer Inquiries Welcome
- Visit Us Online Or Call Today

★ Over 450 Unique Parts • Dealer Inquiries Welcome  
Visit us Online or Call Today...

**Insist on quality. Insist on Pro-One!**

**www.pro-one.com Toll Free: 800-884-4173**

sales@pro-one.com • Ph: 909.445.0900 Fax: 909.445.0096 • 1395 Fairplex Drive, Bldg C, La Verne, CA 91750

# New parts and accessories from Kuryakyn

KÜRYAKYN'S own 3in driving light kits can now be upgraded from the standard halogen lamps included to LED lights. The LEDs are said to offer lower operating temperatures, reduced draw, and a color/brightness that closely match the company's Phase 6 and Phase 7 LED headlamps.



Kuryakyn's 3in halogen driving lights can now be upgraded to LED lights

New lighting options from Kuryakyn continue with the introduction of the pulsating, brake controller. Once the plug and play controller is installed, when the brakes are applied the brake lights automatically pulsate then remain brightly lit. The design also allows easy connection of load equalizers if upgrading to LED turn signals. Kit options are available to fit '10 - '13 FLHX Street Glides and '10-'13 FLTRX Road Glide Customs,



The pulsating brake controller makes the brake lights automatically pulsate, then remain brightly lit when the brakes are applied

'09 - '13 Tri Glide, '10 - '11 Street Glide Trike, '97 - '13 Electra Glides, '98 - '09 Road Glides (except '09 FLTRSE), '11 - '12 Road Glide Ultras, '06 - '09 Street Glides, '97-'13 Road Kings, '96 - '12 Softails (except '08 - '11 FXCW/C, and '10 - '12 FLSTSE), '97 - '13 Dynas (except '09 - '13 FXDB and '10-'13 FXDWG), and '99 - '03 Sportsters.

Further use of LEDs is made by Kuryakyn with its Deco LED fuel and



The Deco LED fuel and battery gauge replaces the stock fuel gauge

battery gauge. The LEDs are used to show both the fuel and battery levels. The unit has been designed to match the new Kuryakyn Deco gas cap. The Deco gauge replaces the stock fuel gauge on '94 - '13 Road Kings, '00 - '13 Softails, and '91 - '13 Dynas.



The chrome accents cover up the welds on Trike bumper brackets

A new chrome accent from Kuryakyn is used to cover the bumper brackets on Factory Trikes. The chromed pieces cover the welds where the brackets are attached to the tubing, and are fitted with molded rubber inserts to ensure a snug, secure fit. The covers fit '09 - '13 Tri Glide Ultra Classic and '10 - '11 Street Glide Trikes.



The Alley Cat cover is now available to fit the Street Sleeper II air cleaner

The Alley Cat air cleaner cover has previously been available for both Screamin' Eagle and Arlen Ness air cleaners. Kuryakyn has now introduced a version for its own Street Sleeper II air cleaner. Fitment options are '08 - '13 Touring Models, Trikes, '11 - '12 FLSTSE and '13 FXSBSE and a second version for '99 - '13 Twin Cams with CV carb or Delphi (except '08-'12 Touring, Trikes, '11 - '12 FLSTSE and '13 FXSBSE).



**KÜRYAKYN USA**  
Somerset, Wisconsin, USA  
Tel: 715 247 5008  
salesupport@kuryakyn.com  
www.kuryakyn.com



NAMZ Custom Cycle Products, Inc.

- ✓ OEM Electrical Connectors
- ✓ Complete Wiring Harnesses
- ✓ EFI & Ignition Harnesses
- ✓ 1971-Up Handlebar Extensions
- ✓ Throttle-by-Wire Harnesses
- ✓ Braided Hoses & Clamps
- ✓ Plug-n-Play Headlights
- ✓ Tools & Installation Supplies
- ✓ American V-Twin & Metric
- ✓ Custom - OEM - Private Label

Providing over 12-years of wiring excellence.  
1-877-277-NAMZ or www.namzccp.com

#1 starters

nothing starts without us!

category 5

contoured series primary drives

(215) 702-8324  
**TECHCYCLE.COM**

## KewlMetal clutch arm covers



THE newest Victory accessory to be produced by KewlMetal is a custom billet aluminum clutch arm cover. A number of styles are being made available including: V-Wings, FINN and Jewel Cut. Customers also have the choice of Black Contrast Cut, black powdercoat or chrome finishes.

**KEWL METAL**  
Prescott, Arizona, USA  
Tel: 623 298 7181  
[sales@kewlmetal.com](mailto:sales@kewlmetal.com)  
[www.kewlmetalstore.com](http://www.kewlmetalstore.com)



## Corbin Fleetliner bags and new seat coverings

CORBIN has now made its Fleetliner saddlebags available for the '04 - '13 Dyna Glide and '04 - '08 Dyna Wide Glide.

The interior wall of the bag molds closely to the profile of the bike to fit closer to the centerline than any other bags on the market. This difference is said to provide better load bearing, better balance, less width and a cleaner look. Even though Corbin's Fleetliner bags appear smaller than the stock H-D models, they feature almost double the space of the factory bags.

The bags are shaped to work with a stock exhaust system, but will work equally well with any system that has a profile lower than the stock pipe.

Both bags come completely lined and feature locking doors. Molded recesses on the outside edges of the bags are designed to work with the bike's stock turn signals. Manufactured of Corbin's own



durable Fibertech material, Fleetliner bags are available in primer or painted gloss black.

Along with the new version of the Fleetliner bags, Corbin is now offering Stingray hide as an addition to its list of saddle materials.

Stingray is extremely durable, very thick and holds color extremely well, but Corbin does not recommend putting a stitch pattern on it. Stingray is available in fifteen color options and by special order only.



# Corbin

**CORBIN**  
Hollister, California, USA  
Tel: 831 634 1100  
[corbin01@corbin.com](mailto:corbin01@corbin.com)  
[www.corbin.com](http://www.corbin.com)



# Penn Grade 1 from Brad Penn Lubricants

AMERICAN Refining Group (ARG), the manufacturer of quality Brad Penn Lubricants, has introduced Penn Grade 1 partial synthetic SAE 5W-30 and SAE 60 to its high performance 'The Green Oil' line. Penn Grade 1 partial synthetic SAE 5W-30 oil is targeted to the racing market for 'crate engines' as well as the classic car market, and is available in 12/1 quart bottles and 55-gallon drum. "The Penn Grade 1 SAE 5W-30 is ideally suited in today's street/racing market 'crate



engines' that require this viscosity. It contains strong detergent, dispersant and 1500 PPM ZDDP anti-wear additive to help protect critical engine parts," says Ken Tyger, Sr. Technical Service Representative for Brad Penn Lubricants. The Penn Grade 1 SAE 60 high performance oil is aimed at fulfilling the need for both racers and older Harley-Davidson motorcycles that require a SAE 60 oil. The SAE 60 is also available in 12 one-quart bottles and 55-gallon drums. The Penn Grade 1 SAE 60 High Performance Oil also contains 1500 PPM ZDDP, which assists in providing vital protection to flat tappet and roller cams and is claimed to safeguard various hot spots in the engine. Talking about the oil, Tyger says: "The Penn Grade 1 SAE 60 is suitable for use in gas, alcohol and nitro methane fueled engines where this viscosity is desired. The high viscosity of this oil allows excessive dumping of fuel into the lubrication fluid while maintaining critical protection for expensive, high performance racing engines and their components. The SAE 60 is suited for the heavier viscosity lubrication needs of the early classic motorcycle engines like Harley-Davidson Flathead, Knucklehead, Panhead, Shovelhead, and others."

**BRAD PENN RACING OILS**  
Bradford, Pennsylvania, USA  
Tel: 814 368 1200  
[www.penngrade1.com](http://www.penngrade1.com)

# S&S 4in Race Tour mufflers



S&S Cycle's new Race Tour mufflers have been created for use on '95 - '12 Touring models.

Said to produce an increase in mid- to top-end torque and horsepower, the Race Tour mufflers are louder than S&S's other offerings for Baggers. Finished in a choice of chrome or black ceramic, the mufflers are supplied with a slash-cut end or with alloy end caps.

End caps are available in chrome or black Xylan finish.

The mufflers fit '95 - '12 H-D Touring models with non-catalyst mufflers (except 2010 Road Glide and Street Glide) and '09 - '12 Tri Glide models with non-catalyst mufflers

**S&S CYCLE**  
La Crosse, Wisconsin, USA  
Tel: 608 627 1497  
[sscust@sscycycle.com](mailto:sscust@sscycycle.com)  
[www.sscycycle.com](http://www.sscycycle.com)



**250+ BRANDS**

**47.000+ PARTS**

**24H DELIVERY**





This is a word that does not belong in your vocabulary.  
**SPECTRO® GOLDEN 4.**  
Shift easy, ride quiet.

# CLUNK

**KLUNKI NOUN:** A heavy, dull sound such as that made by thick pieces of metal striking together.



(800) 243-8645

Check out our website at [www.spectro-oils.com](http://www.spectro-oils.com) or scan the QR code with your phone.

**ENGINEERED EXCELLENCE**

©Spectro Oils of America 2012



**MOTORCYCLE STOREHOUSE**

**WWW.MOTORCYCLESTOREHOUSE.NL**

**NEW**

# UNDER COVER LOCK-UP CLUTCH



1998-'06 BIG TWINS (except '06 Dyna's)



 **MADE IN THE U.S.A.**  
SINCE 1948

- Designed to fit under the OEM primary cover
- Fully adjustable billet lock-up pressure plate
- Multiple coil spring sets provide a variety of pressure options
- Extra capacity that will handle the HP/TQ of today's big inch motors
- Reduced lever effort
- No modifications or special tools required to install
- Includes billet pressure plate, steel inner hub, Carbon friction plates, tempered steel plates and chrome silicon, heat treated springs

**Barnett**  
clutches  
& cables



[www.BarnettClutches.com](http://www.BarnettClutches.com) • 805.642.9435



**250+ BRANDS**

**47,000+ PARTS**

**24H DELIVERY**



How to Build An Old Skool  
**Biker Bobber**  
By Kevin Baas

How to Build  
Basic Bobbers & Choppers  
Assembly Sequence  
Paint/Blends/Finishes  
Ear's Speed Theory  
Manufacturing Issues  
Stove Pipe, Axles, Wires & Etc.

## Reaper Series forwards



**SUPREME Legends** Reaper Series forward controls are the latest USA made product from the Californian controls specialist. The forward controls are available in chrome or Supreme's bright dip black anodized finish for H-D and Victory applications and feature diamond grip rubber for increased traction and control.

All Supreme Legends USA products come with an 18 month warranty.



**SUPREME LEGENDS USA**  
Anaheim, California, USA  
Tel: 714 504 0715  
[info@supremelegendsusa.com](mailto:info@supremelegendsusa.com)  
[www.supremelegendsusa.com](http://www.supremelegendsusa.com)

## WanaRyd Amp Starkline

WANARYD Motorcycle has expanded its Stark-Line series of 3D forged one-piece billet wheels with the introduction of the three-spoke Amp.

The Stark-Line range of wheels features a new finish that is proprietary to WanaRyd Motorcycle. All Stark-Line Series wheel designs are also available in chrome or black powdercoat.

Six different wheel designs are being offered in the Stark-Line Series, as well as matching rotors in three different styles and sizes and matching pulleys (including cush drives) and are available for all '84 to present Harley-Davidson models and many Victory models.

All Stark-Line wheels are supplied with a lifetime structural warranty.

**WANARYD MOTORCYCLE**  
Charleston, South Carolina, USA  
Tel: 888 926 2793  
[sales@wanaryd.com](mailto:sales@wanaryd.com)  
[www.wanaryd.com](http://www.wanaryd.com)



# Trike and Dyna options from Saddlemen

SADDLEMEN has created a range of trunk organizers for use on Harley's Trike models. The new options are trunk liner bags and a trunk lid organizer that provide quick access and easy removal.

The trike trunk liner bag set is made up of two bags measuring 15.5 x 9.5 x 10in. The bags feature carry handles and multiple zippered compartments.

Designed as a low profile piece, the trike trunk lid organizer mounts to the inside of the trunk lid using the included fastener strips. It measures 9.5 x 16.25in and has sold and mesh pockets.

Meanwhile for the '06 - '12 Dyna Glide, Saddlemen now has a version of its Explorer RS seat available. Based upon the design of the company's

Road Sofa touring seat, the Explorer RS is said to offer long-distance comfort for Dyna riders. This is provided by the unique split-cushion design, which is claimed to reduce tailbone and back pressure, while SaddleGel in both the driver and passenger portions provides long-range comfort. A removable and adjustable driver's backrest is available to offer even more comfort.

Saddlemen Explorer seats are designed to fit with most aftermarket detachable sissy bars and are made in America.



**SADDLEMEN**  
 Rancho Dominguez, California, USA  
 Tel: 310 638 1222  
[saddlemensales@msn.com](mailto:saddlemensales@msn.com)  
[www.saddlemen.com](http://www.saddlemen.com)

# Lick's Model A taillight



LICK'S has now made its classic Model A light assembly available with a wet-look black powdercoat finish. Along with the red and amber face plate, each assembly is fitted with a clear lens and 12 Volt bulb on the underside for license plate illumination. Both the plain lens and one other lens of the purchaser's choice are included with each lamp assembly.

**LICK'S CUSTOM CYCLES**  
 Clarksburg, Massachusetts, USA  
 Tel: 413 663 9050  
[lickscycles@gmail.com](mailto:lickscycles@gmail.com)  
[www.lickscycles.com](http://www.lickscycles.com)



**250+ BRANDS**

**47.000+ PARTS**

**24H DELIVERY**



# SUPERIOR BRAKING PERFORMANCE

CNC Machined  
4-Piston Billet Calipers  
100% Made in the USA

Belt Drives LTD  
Craftsmanship  
Performance  
Quality



Touring  
Bagger  
Softail  
Dyna

**GMA**  
Trusted Name in  
Stopping Power  
for over 3-Decades

Available from BDL Dealers Worldwide or visit:

[www.beltdrives.com](http://www.beltdrives.com)

*Genuine*  
JAMES GASKETS  
[www.jamesgaskets.com](http://www.jamesgaskets.com)

Offering a complete line of gaskets & seals  
for all Harley® models 1936 to present!

## GASKET BOARD KITS



Our sturdy, three-color gaskets boards measure 32" tall x 48" wide and come ready to mount on 1/8" or 1/4" thick pegboard. Each gasket board comes with all of the required mounting hardware, metal hooks, & clamshell blister packs and are made of durable 20 mil vinyl for a great appearance and years of service. Contact your Authorized James Gaskets Distributor & get yours today!

# FAT ATTACK'S ALU KNUCKLE



Text and pictures by Horst Rösler  
motographer@t-online.de

**O**VER the last few years Arlesheim-based performance specialist Urs Erbacher and his team at Fat Attack have built several unique projects that made the covers of international magazines. This trend looks set to continue with the latest '30s style build.

To get the 'Old School' look he wanted, Urs Erbacher began his latest board track racer inspired build by sourcing a Knucklehead style motor from S&S Cycle. With this power plant in the workshop, a '41 Knucklehead frame was then acquired to hold it. Before the two pieces were brought together though, the frame was copper plated. The same treatment was also given to the Springer front end and handlebars. Once the motor was in place in the frame, it received a Morris Magneto, an Erbacher 'Tea Filter' air cleaner and a set of Fat Attack pipes.

By way of a transmission Urs selected a six-speed box from Baker and used a modified NH Power primary drive and clutch to connect the two together. To complete the rolling chassis a set of

spoked wheels were made up in the Fat Attack workshop. At the front the 23in rim carries a 3in wide Cheng Shin tire and is centered upon a double Duplex drum brake hub. At the back of the bike a H-D hydraulic drum is used, and the tire is a 16 x 6.5in Blockley.

For the bodywork on the bike Urs took inspiration from NSU Rennmax Dolphin fairings that were used in the '50s. And just like the original designs, he created his own in aluminum. The same material was used for the gas tank and the two oil tanks; one is under the seat and the other is hidden in the seat hump. The bodywork is completed with a belly pan that runs under the transmission and painted graphics that pay homage to Fat Attack's long time sheet metal specialist Bockholt – the BSP being short for Bocki's Special Parts.

**FAT ATTACK CUSTOMBIKES**  
Arlesheim, SWITZERLAND  
Tel: +41 (0)61 743 0400  
[bikes@fatattack.ch](mailto:bikes@fatattack.ch)  
[www.fatattack.ch](http://www.fatattack.ch)



**ERBACHER**  
FAT ATTACK • CUSTOM BIKES



# WORLD CLASS PARTNERS



[www.harley-davidson.com](http://www.harley-davidson.com)



[www.bigbikeeurope.com](http://www.bigbikeeurope.com)



[www.bikerschoice.com](http://www.bikerschoice.com)



[www.dhl.com](http://www.dhl.com)



[www.jimsusa.com](http://www.jimsusa.com)



[www.thunder-max.com](http://www.thunder-max.com)



[www.motorcyclestorehouse.nl](http://www.motorcyclestorehouse.nl)



[www.bikerschoice.com](http://www.bikerschoice.com)



[www.kpmivalvetrain.com](http://www.kpmivalvetrain.com)



[www.knfilters.com](http://www.knfilters.com)



[www.jpcycles.com](http://www.jpcycles.com)



[www.harley-davidson.com](http://www.harley-davidson.com)



[www.mag-connection.com](http://www.mag-connection.com)



[www.riveraengineering.com](http://www.riveraengineering.com)



[WWW.AMDCHAMPIONSHIP.COM](http://WWW.AMDCHAMPIONSHIP.COM)



Follow us on

facebook

Or

Scan using camera/QR-Code reader on your smartphone or mobile device for more information on the AMD World Championship and its partners



# KNUCKLE '46



Words by Duncan Moore - [duncan@dealer-world.com](mailto:duncan@dealer-world.com)

Lorenzo Solighetto, of Boccin Custom Cycles, was able to go to Sturgis to compete in the World Championship of Custom Bike Building after taking the top prize in the Modified Harley class at the UK affiliate show in Beaulieu. Once at the World Championship he repeated the feat and his bike, Knuckle '46, was named winner of the World Championship Modified Harley class

**D**UE to the rules, a builder has to be very talented to win the Modified Harley class at the World Championship of Custom Bike Building. With no cutting of the frame allowed, it is up to the builder to find other ways of making a bike stand out on the show floor. One builder who has managed this, not only taking the Modified Harley class win at the Custom Motorcycle Show in Beaulieu, England, but also the World Championship, is Lorenzo Solighetto.

Working out of his shop near Venice, Italy, Lorenzo has created a metal flake orange '46 Knucklehead that has garnered praise at every show it has been seen at.

As the name of the bike suggests, the starting point of the build was a '46 Knucklehead. Once stripped down, the motor and transmission were



rebuilt as stock. The only changes made were external ones and include engraving on the rocker boxes and air cleaner cover, a small amount of chrome plating and a set of short, one-off exhaust headers.

Like the engine, the transmission was cleaned and rebuilt and treated to more hand-engraving work by Eddy Malavasi. The gearbox is matched to the engine by an open primary belt without using an engine plate, while final drive is by chain.

With the drivetrain rebuilt and detailed it was reunited with the frame, which had been stripped and repainted but otherwise left stock, as is the requirement of the Modified Harley class at the World Championship. Giampietro Cichera was responsible for laying on the vibrant orange metal flake that makes the bike so immediately noticeable. The stock Springer front end was also stripped down and rebuilt, with the rear legs painted to match the



Despite being built in Italy, the '46' motif is not a tribute to Italian Moto GP star Valentino Rossi, but a nod to the year the bike was originally built



The engraving on Knuckle 46 was done by Eddy Malavasi in Italy

# AMD CUSTOM BUILD



Italy's Wild Hog was responsible for the sprung solo seat



The bike's original brake was rebuilt and detailed before being built into a 21in rim



The Boccin Custom Cycles foot pedal operates a cable clutch

frame and the front legs chromed.

The 21in front and 18in rear wheels were built up with chromed hubs and rims, with the front hub carrying a double leading shoe drum brake.

The brake itself is operated by the left hand handlebar grip, which has been converted to a twist action. The right bar grip is a conventional throttle with an internal cable mechanism. The grips themselves are mounted on custom handlebars that feature integral risers to bolt them to the upper triple tree.

The foot controls on Knuckle '46 are all the work of Lorenzo, who has created what can best be described as mid-mounted custom controls. The clutch pedal pulls a cable that passes around a pulley mounted on the frame in front of the pedal and then back to the gearbox.



The internal throttle is matched by an internal twist front brake on the left side of the 'bars



Other pieces on the bike that were made by Lorenzo include the oil tank, with an external sight, which matched the sight on the gas tank. The gas tank itself is a stock H-D model that was modified to suit the build. Lorenzo is also responsible for the fabrication of the rear fender and the stainless steel struts that support it, and it was then topped off with a taillight sourced from Japan. The final details on the bike include a seat from Italy's Wild Hog and handlebar grips from the W&W Cycles catalog.

The initial simple looks of Knuckle '46 belie the amount of time that has been spent detailing it. However, Lorenzo's fellow builders at the World Championship of Custom Bike Building were able to admire and appreciate the time and effort he had put into the build, and justifiably awarded him the honor of first place in the Modified Harley class.



The fuel level sight on the gas tank replicates the design used on the bike's oil bag

Lorenzo Solighetto (center), co-owner of Boccin Custom Cycles, is responsible for the build of Knuckle 46

**BOCCIN CUSTOM CYCLES**  
 Eraclea (VE), ITALY  
 Tel: +39 0421 232836  
[info@boccincustomcycles.com](mailto:info@boccincustomcycles.com)  
[www.boccincustomcycles.com](http://www.boccincustomcycles.com)



The one-piece fender strut was one of the many one-off pieces crafted in the Boccin workshop

# ARE YOU INVOLVED?



THUNDER  
TMAX



BIG  
BIKE  
EUROPE  
PERFORMANCE • CUSTOM • TUNING



The AMD World Championship of Custom Bike Building's International Affiliate Program brings together leading independent custom bike events from around the world to promote custom motorcycle design and engineering excellence.

In the next 12 months the AMD World Championship program will involve motorcycle events at which the total consumer and enthusiast attendance will include between 1.5 and 2 million motorcycle riders.

That will be in countries with over 100 million road registered motorcycles, and total consumer populations of nearly 1 billion people.

As an industry showcase and promotion opportunity, the AMD World Championship boosts and excites the attendance at the events involved, it increases brand awareness and sales for the Official Partners who are involved, and develops the popularity of custom motorcycling as a leisure spend option of choice in which everybody can become involved.

## CUSTOM:EXCEL

London - United Kingdom

**February 15-17, 2013**

[www.thecustomshow.com](http://www.thecustomshow.com)

## IRISH MOTORBIKE & SCOOTER SHOW

Dublin - Ireland

**March 1-3, 2013**

[www.irishmotorbikeshow.com](http://www.irishmotorbikeshow.com)

## MOSCOW CUSTOM & TUNING SHOW

Moscow - Russian Federation

**March 1-3, 2013**

[www.ruriders.com](http://www.ruriders.com)

## BIKER FEST

Lignano Sabbiadoro, Udine - Italy

**May 9-12, 2013**

[www.bikerfest.com](http://www.bikerfest.com)

## AMD WORLD CHAMPIONSHIP OF CUSTOM BIKE BUILDING

Essen, Germany

**May 10-12, 2013**

[www.amdchampionship.com](http://www.amdchampionship.com)

# 2013

## CUSTOM BIKE SHOW

Norrköping - Sweden

**June 1, 2013**

[www.custombikeshow.se](http://www.custombikeshow.se)

## THE CUSTOM MOTORCYCLE SHOW

Beaulieu - United Kingdom

**June 15-16, 2013**

[www.thecustomshow.com](http://www.thecustomshow.com)

## HARLEY-DAVIDSON MUSEUM

2013 CUSTOM BIKE SHOW

Milwaukee - USA

**August 31 - September 1, 2013**

[www.h-dmuseum.com](http://www.h-dmuseum.com)

## HARLEY-DAVIDSON RIDE-IN CUSTOM BIKE SHOW

Faaker See - Austria

**September 7, 2013**

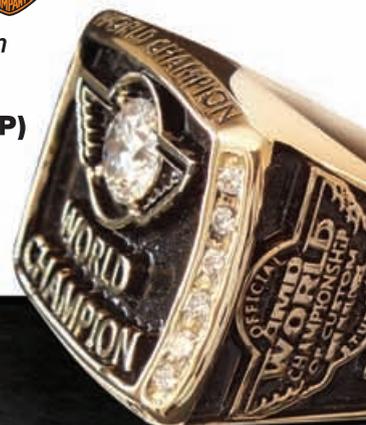
[www.europeanbikeweek.com](http://www.europeanbikeweek.com)

## INTERMOT (COLOGNE CUSTOM CHAMPIONSHIP)

Cologne - Germany

**October 1-5, 2014**

[www.intermot-cologne.com](http://www.intermot-cologne.com)



All events, dates, times and details are subject to change without notice!

# WWW.AMDCHAMPIONSHIP.COM



Scan using camera/QR-Code reader on your smartphone or mobile device for more information on the AMD World Championship and its Affiliate shows

Follow us on

facebook

# TRADE ZONE



**DISTRIBUTOR NETWORK**

**Canada**  
Parts Canada  
Tel: (403) 250 6247

---

**New Zealand**  
**Australia**

Performance Cycle Wholesale-NZ  
Tel: 006493081634

East Coast Custom Distributing Pty. Ltd.-AU  
Tel: 0061732524633

---

**Japan**

Neo Factory  
Tel: 0081432128082

Three Miles Trade  
Tel: 0081252312811

---

**Europe**

Custom Chrome Europe-Germany  
Tel: 0049 671 88888 - 0

W&W Cycles-Germany  
Tel: 0049 931 250 6116

Parts Europe  
Tel: 0049 6501 9695-2000

Zodiac Int.-NL  
Tel: 0031 297 284 821

---

**USA**

Bikers Choice  
Tel: 817 258 9030

Drag Specialties  
Tel: 608 758 1111

MC Advantages  
Tel: 800 726 9620

MID-USA  
Tel: 314 351 3733

Tedd Cycle  
Tel: 845 565 2806

TEC Dist.  
Tel: 978 352 4710



**DISTRIBUTOR NETWORK**

**Australia**  
East Coast Custom  
Tel: 07 3252 4633

---

**Canada**  
Power Twins  
Tel: 403 250 6611

---

**Germany**  
Custom Chrome Europe  
Tel: 0049 (0)671 88888 0

Parts Europe  
Tel: 0049 (0)6501 9695-2000

W & W Cycles  
Tel: 0049 (0)931 2506115

---

**Netherlands**  
Motorcycle Storehouse BV  
Tel: 0031 (0)50 303 9771

Zodiac International  
Tel: 0031 (0)297 28 86 21

---

**New Zealand**  
Performance Cycle Wholesale  
Tel: 0064 (0)9 308 1625

---

**USA**

Bikers Choice  
Tel: (800) 347 8080

Drag Specialties  
Tel: (800) 222 3400

Midwest  
Tel: (800) 352 3914

Tec Dist.  
Tel: (800) 356 0043

[www.barnettclutches.com](http://www.barnettclutches.com)




**FEULING**  
[www.feulingparts.com](http://www.feulingparts.com)

**DISTRIBUTORS**

**Australia**  
East Coast Customs  
[www.eastcoastcustom.com.au](http://www.eastcoastcustom.com.au)

Rollies Speed Shop  
[www.rollies.com.au](http://www.rollies.com.au)

**Japan**  
Neo Factory  
[www.neofactory.co.jp](http://www.neofactory.co.jp)

**Sundance**  
[www.sundance.co.jp](http://www.sundance.co.jp)

**Germany**  
Parts Europe  
[www.partseurope.eu](http://www.partseurope.eu)

Custom Chrome Europe  
[www.custom-chrome-europe.com](http://www.custom-chrome-europe.com)

**The Netherlands**  
Zodiac International  
[www.zodiac.nl](http://www.zodiac.nl)

**USA**  
Biker's Choice  
[www.bikerschoice.com](http://www.bikerschoice.com)

Drag Specialties  
[www.dragspecialties.com](http://www.dragspecialties.com)

MC Advantages  
[www.mcadvantages.com](http://www.mcadvantages.com)

Rivera Primo  
[www.riveraprimoinc.com](http://www.riveraprimoinc.com)

TEC Dist  
[www.tecdist.com](http://www.tecdist.com)

Zipper's  
[www.zippersperformance.com](http://www.zippersperformance.com)

**Canada**  
Parts Canada  
[www.partscanada.com](http://www.partscanada.com)



**BIG INCH FLYWHEEL ASSEMBLIES, CYLINDERS & PISTON KITS**



555 Dawson Drive, Camarillo, CA 93012  
Phone 805-482-6913 • [www.jimsusa.com](http://www.jimsusa.com)



800-321-3412 Phone  
330-225-9412 Fax  
[info@colonymachine.com](mailto:info@colonymachine.com) E-Mail  
[www.colonymachine.com](http://www.colonymachine.com) web



**CATALOG MAILED ON REQUEST**

Chrome, cadmium and parkerized hardware, stock and custom, bulk or specific application kits. We offer over 1,600 engineered kits for Harley-Davidson models from VL to V-Rod. Over 30 years of excellent service, highest quality and a large selection make Colony the first choice for custom motorcycle builders and restorers around the world.



**INTERNATIONAL HEAD OFFICE**

**THE NETHERLANDS**  
ZODIAC INTERNATIONAL B.V.  
Tel: 0031 (0)297 288621  
Fax: 0031 (0)297 288226  
Email: [sales@zodiac.nl](mailto:sales@zodiac.nl)  
[www.zodiac.nl](http://www.zodiac.nl)

---

**AUSTRALIA**  
CASSONS PTY. LTD.  
Tel: 2 9684 1210  
Fax: 2 9684 2091  
Email: [cassons@cassons.com.au](mailto:cassons@cassons.com.au)

**FRANCE**  
ZODIAC FRANCE  
Tel: 01 45 93 10 75  
Fax: 01 45 93 18 41  
Email: [zodiac-france@zodiac.nl](mailto:zodiac-france@zodiac.nl)

FC PARTS  
Tel: 03 27 85 57 15  
Fax: 03 27 85 96 50  
Email: [fcparts@wanadoo.fr](mailto:fcparts@wanadoo.fr)

**GERMANY**  
ZODIAC DEUTSCHLAND  
Tel: 02154 428828  
Fax: 02154 412715  
Email: [zodiac-deutschland@zodiac.nl](mailto:zodiac-deutschland@zodiac.nl)

**GREAT BRITAIN**  
ZODIAC U.K.  
Tel: 01453 758451  
Fax: 01453 752939  
Email: [zodiac-uk@zodiac.nl](mailto:zodiac-uk@zodiac.nl)

**HUNGARY**  
ZODIAC MOTORCYCLE PRODUCTS HUNGARY  
Tel: 06 30 217 1832  
Fax: 06 87 480 882  
Email: [zodiac@chello.hu](mailto:zodiac@chello.hu)

**ITALY**  
ZODIAC ITALIA  
Tel: 02 6472287  
Fax: 02 64749555  
Email: [zodiac-italia@zodiac.nl](mailto:zodiac-italia@zodiac.nl)

**SCANDINAVIA**  
ZODIAC INTERNATIONAL B.V.  
Tel: 00800 963422 65 (Toll-free)  
Email: [sales@zodiac.nl](mailto:sales@zodiac.nl)

**SPAIN**  
ZODIAC ESPANA  
Tel: 96 81 42067  
Fax: 96 81 42068  
Email: [zodiac-espana@zodiac.nl](mailto:zodiac-espana@zodiac.nl)

**SWITZERLAND**  
AMERICAN BIKE SHOP  
Tel: 071 761 2678  
Fax: 071 761 0678  
Email: [abs-zodiac@rheintal.ch](mailto:abs-zodiac@rheintal.ch)

**SNIPER**  
Sniper Hide-A-Line Components

The all new build your own Sniper range is the latest addition to our popular Hide-A-Line product range

**GOODRIDGE**  
FLUID TRANSFER SYSTEMS  
USA INC., Los Angeles 529 Van Ness Avenue, Torrance, CA, USA  
ussales@goodridge.net  
www.goodridge.net

Handlebars / Protection Guards / Luggage Carriers / Chrome parts

**FEHLING**

Parts for:  
**Softtail  
Blackline**

Made in Germany

From our own production. We offer top quality products manufactured to ISO 9001 standards, good availability from stock, competitive prices and attractive terms. Not yet a Fehling Customer? Ask for our catalogue, pricing and terms!

[www.fehling.de](http://www.fehling.de)

Ernst Fehling GmbH & Co. · Mendener Str. 1 · 58739 Wickede (Ruhr) · Germany  
Fon +49 (0) 23 77-2033 · Fax 16 35 · mail: info@fehling.de

**NEW! STONE**  
Chrome on Black

Derby - Points - Inspection Covers  
Master Cylinder Covers  
Handlebar Clamps  
Gas Caps  
and MORE!

Designs by  
**NOVELLO**

[www.DesignsByNovello.com](http://www.DesignsByNovello.com) | Tel: 914-793-8464

**HCI**

**ARE YOU MAKING THE MOST OF YOUR OPPORTUNITIES TO SELL CUSTOM HELMETS?**

If not, then you need to stock and sell the U.S.A.'s fastest growing line of custom helmets

Contact: Al Sobel  
**HELMET CITY**  
Delray Beach, Florida, USA  
Tel. TOLL FREE:  
**1-888 550 3731**  
Tel. Intl: 1-561 330 3700  
Fax: 1-561 330 2501

**IMPORTERS & DISTRIBUTORS WANTED**

**CURRENT DISTRIBUTORS**

**CZECH REPUBLIC**  
Tomás Cerny  
Moto Classic, s.r.o  
Royal Enfield Pro CR a SR  
Tel: 00420 775 997 648  
e-mail: info@royal-enfield.cz

**NETHERLANDS**  
Bad Boy Helmets  
Tel: 0031 (0)653 119 597  
e-mail: info@badboy.nl  
www.badboy.nl

**SPAIN**  
GZM/Accessories Unlimited  
Tel: 0034 96 6758000  
Fax: 0034 96 6758015  
e-mail: gzm@gzm.es

[www.helmetsales.com](http://www.helmetsales.com)

**Genuine**  
JAMES GASKETS

**WORLDWIDE DISTRIBUTION**

**AUSTRALIA**  
East Coast Customs - www.eastcoastcustom.com  
Redgrave Motorcycle - www.redgravemc.com  
Rollies Speed Shop (RSS Dist.) - www.rollies.com.au

**CANADA**  
C.M.R. - www.cmrcustom.com  
Importations Thibault - www.importationsthibault.com  
Motovan - www.motovan.com  
Parts Canada - www.partscanada.com  
Preston Cycle - www.prestoncycle.com

**EUROPE**  
Custom Chrome Europe - www.custom-chrome-europe.com  
Custom Iberica, Spain - www.customiberica.com  
Motorcycle Storehouse - www.mcseurope.nl  
Parts Europe - www.partseurope.eu  
W & W Cycle - www.wwag.com  
Zodiac, Int'l. - www.zodiac.nl

**JAPAN**  
Konishi Parts - www.konishiparts.com

**NEW ZEALAND**  
Performance Cycle Wholesale - www.performancecycle.co.nz

**USA**  
Custom Chrome - www.customchrome.com  
Drag Specialties - www.dragspecialties.com  
Tec Distributing - www.tecdist.com  
Tedd Cycles - www.vtwinmf.com

[www.jamesgaskets.com](http://www.jamesgaskets.com)

**TORQUEMONSTER PERFORMANCE CRANKSHAFT ASSEMBLY**

4340 heat treated steel rods  
Rod ends are matched to +/- 2 grams  
Guaranteed unbreakable 110,000psi ductile iron flywheels  
Rod sets average 1.25 kilograms

It's a beauty! Five pounds fatter than stock Evos! Our new TorqueMonster crankshaft assembly features super light H-type forged rods, up to 5-inch stroke, and dynamic balancing. They're ideal for restoration (OEM 1936-1971) and perfect for late model hot rodding. Also available in standard widths.

Complete engine service available

**TRUETT & OSBORN**  
V-Twin Performance Since 1970  
3345 E. 31st South Wichita, KS 67216  
(316)682-4781 fax (316)682-4853  
info@truetttandosborn.com

[www.truetttandosborn.com](http://www.truetttandosborn.com)

**BIG INCH FLYWHEEL ASSEMBLIES, CYLINDERS & PISTON KITS**

**JIMS**  
USA

Established in 1974 Over 40 Years!  
Performance Parts For Harley-Davidson Motorcycles  
555 Dawson Drive, Camarillo, CA 93012 • Phone 805-482-6913 • www.jimsusa.com

Become a Facebook Fan!

[f](https://www.facebook.com/jimsusa)

**MADE IN AMERICA**



**DISTRIBUTOR NETWORK**

**Australia**

**Rollies Speed Shop**  
Tel: 07 3252 2129

**Canada**

**Preston Cycle Products**  
Tel: (800) 265 2298  
**Parts Canada/ Drag Specialties**  
Tel: (877) 717 2858

**Europe**

**Custom Chrome Europe**  
Tel: 0049 (0)671 88888 0  
**DÜX Industries**  
Tel: 0049 (0)40 434037  
**Parts Europe**  
Tel: 0049 6501 9695-2000

**Motorcycle Storehouse**  
Tel: 0031 (0)50 3039775

**Zodiac International**

Tel: 0031 (0)297 288 621

**USA**

**Bikers Choice**  
Tel: (800) 347 8080  
**Custom Chrome**  
Tel: (800) 729 3332  
**Drag Specialties**  
Tel: (800) 222 3400

**Kustomwerks**  
Tel: (800) 498 4711

**Midwest**  
Tel: (800) 325 3914

**MID-USA**  
Tel: (800) 527 0501

**Tedd Cycle**  
Tel: (914) 565 2806

**www.beltdrives.com**  
**AVAILABLE WORLDWIDE**

**MOTORCYCLE STOREHOUSE**

**Motorcycle Storehouse B.V.**

Industrieweg 22, 9781 AC Bedum, The Netherlands  
Tel: +31 (0)50-3039775 - Fax: +31 (0)50-3039777

**INTERNATIONAL SALES OFFICES**

**MCS Spanish agent**

Paloma Pinto  
Tel: +34 0 93 865 7427 - Fax: +34 0 93 865 7427  
E-mail: paloma@mcseurope.nl

**MCS French agent**

Bruno Selle  
Tel: +33 (0)4 90 67 76 33 - Fax: +33 (0)4 90 67 92 11  
E-mail: bruno@mcseurope.nl

**MCS German agent**

Rasi Bayazid  
Tel: +49 (0)211 289 0538 - Fax: +49 (0)211 289 0532  
E-mail: rasi@mcseurope.nl

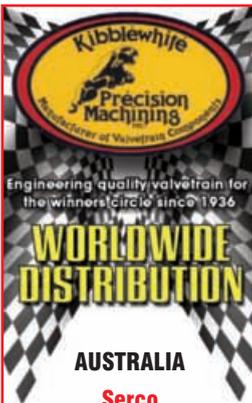
**MCS Italian agent**

Marcello Fontana  
Tel: +39 0445 390437 - Fax: +39 0445 395539  
E-mail: marcello@mcseurope.nl

**MCS UK agent**

Simon Letts  
Tel: +44 (0)1892 668844 - Fax: +44 (0)1892 667722  
E-mail: simon@mcseurope.nl

**MOTORCYCLE STOREHOUSE**



**AUSTRALIA**

**Serco**  
www.serco.com.au

**CANADA**

**Motovan**  
www.motovan.com

**Parts Canada**  
www.partsCanada.ca

**Winners Circle Canada**  
www.winnerscirclecanada.com

**GERMANY**

**Grossewachter Racing Parts**  
www.gw-racing-parts.de

**EUROPE WIDE**

**Custom Chrome Europe**  
www.custom-chrome-europe.com

**Motorcycle Storehouse**  
www.motorcyclestorehouse.nl

**Parts Europe**  
www.partseurope.eu/cms

**Zodiac International**  
www.zodiac.nl

**NEW ZEALAND**

**Performance Cycle Wholesale**  
www.performancecycle.co.nz

**SWEDEN**

**Moto Speed AB**  
www.motospeed.se

**USA**

**Bikers Choice**  
www.bikerschoice.com

**Custom Chrome, Inc.**  
www.customchrome.com

**Drag Specialties**  
www.dragspecialties.com

**Mid USA Motorcycle Parts**  
www.mid-usa.com

**Midwest Motorcycle Supply**  
www.midwestmc.net

**Rivera Engineering**  
www.riveraengineering.com

**TEC Distributing**  
www.tecdist.com

**V-Twin Manufacturing**  
www.vtwinmfg.com

**Western Powersports**  
www.wps-inc.com

**www.kibblewhite.biz**



**COLORADO CUSTOM CYCLE WHEELS**

**ANAHEIM, CA**



**BAJA**



**NEW YORK**



**TEXAS**



**TALON**



**MONACO**



**RYKERS**

1105 E RAYMOND WAY  
ANAHEIM, CA 92801  
714-441-2498

**www.coloradocustom.com**

Can't Get NOS?  
Don't Settle for POS.



## Use FHP!

Finding parts for a vintage v-twin engine is tough. New old stock (NOS) parts are even tougher to find and you better bring your checkbook if you do! The alternative? You can refurbish used stock parts (POS #1). Not practical! Imported reproduction parts (POS #2)? We've all heard the stories! S&S® Cycle has been in business for more than 50 years... since what we now call vintage was new. Our USA made Flathead Power® line of vintage engine parts offers high quality, stock-looking, components that will get your motor running right away, at a reasonable price. So if you can't find or afford NOS, don't settle for POS. Use FHP!

Visit us at [www.sscycle.com/vintage](http://www.sscycle.com/vintage)

*Flathead Power*®  
By S&S® Cycle

RK SERIES

# STREET METAL™\*

AIR INTAKE SYSTEMS

-  Provides a guaranteed increase in horsepower
-  Oversized K&N washable High-Flow Air Filter™
-  Aluminum backing plate with integrated velocity stack
-  Built-in breathers replace external OE breathers
-  High quality mirror-finish aluminum cover
-  K&N Million Mile Limited Warranty®



[KNFILTERS.COM/AMD](http://KNFILTERS.COM/AMD)  
800-858-3333

**AVAILABLE FOR:**

- 1999-2007 Touring F/I
- 2001-2011 Dyna® / Softail™ F/I
- 2010 CVO™ Ultra Classic® Electra Glide®

STREET LEGAL  
IN MOST STATES

NOT LEGAL FOR USE IN  
CA & OTHER STATES ADOPTING  
CA EMISSIONS  
STANDARDS



**K&N**  
PERFORMANCE FILTERS®

CVO™, Ultra Classic®, Electra Glide®,  
Softail®, and Dyna® are trademarks  
of Harley-Davidson®. Harley-Davidson®  
is a registered trademark of H-D Michigan, Inc.

© 2012 K&N Engineering, Inc.

## THIS MONTH'S ADVERTISERS

Arlen Ness Enterprises (US) Fire-Ring LED bezel & turn signal lights.....	5
Avon Grips (US) Heated Air Cushion grips .....	51
Bad Dad Custom Finishes (US) Stretched saddlebags.....	52
Barnett Performance Products (US) Clutch kits, distributor network .....	57
Belt Drives Ltd (US) Billet clutch and Brake controls, GMA Brakes, distributor network .....	46,60,68
Big Bike Europe (DE) 2013 show information.....	36-37
Biker's Choice (US) 2012 catalog.....	43
Colony Machine (US) Hardware.....	66
Colorado Custom (US) Wheels.....	68
Crane Cams (US) Chris Rivas Signature Series Rocket camshafts .....	46
CV Performance (US) Carburetor & intake parts.....	4
Darkhorse Crankworks (US) Crank assembly balancing & rebuilds .....	49
Daytona Twin Tec (US) New way to tune and scan codes .....	39
Designs By Novello (US) 2-tone covers .....	67
DNA Specialty (US) New 2013 Beast wheel.....	2
DP Brakes & Clutches (US) Brakes & clutches.....	6
Drag Specialties (US) 2000 Harley-Davidson FXST customized by Don Hotop .....	16
Easyriders Events (US) V-Twin Expo 2013 .....	71
Fehling (DE) Parts & accessories .....	67
Flathead Power (US) Engines and parts .....	69
Goodridge USA (US) Sniper Hide-A-Line components .....	67
Helmet City Inc (US) D.O.T. & novelty helmets, Distributor network .....	30,67
James Gaskets (US) Gasket board kits, distributor network .....	60,66
Joker Machine (US) Parts & accessories .....	47
K&N Engineering (US) Oil filters, Air intake systems.....	7,69
KewlMetal (US) Bolt on 13 Degree Rake Kit.....	72
Kibblewhite Precision Machining (US) Valvetrain components, distributor network .....	20,68
Küryakyn (US) Parts & accessories .....	28-29
Le Pera Enterprises Inc (US) Seats .....	9
MAG Connection (FR) Distributor .....	21
MAG Europe (GB) Powersports University Online Training .....	35
Medallion Instrumentation Systems (US) Premium Bagger gauges .....	20
Mid-USA Motorcycle Parts (US) Parts and accessories .....	50
Motorcycle Storehouse (NL) Distributor, International Sales Offices .....	54-55,56-57,58-59,68
NAMZ Custom Cycle Products (US) Wiring harnesses & fluid lines .....	53
Ocean Events (GB) Custom:Excel 2013 show.....	51
Paul Yaffe's Bagger Nation (US) Rockford Fosgate, 3D Molded, direct Bolt-On parts .....	15,27
Pro-One Performance (US) Billet aluminum parts .....	52
Renegade Wheels (US) Tahoe wheel .....	33
Rush Racing Products (US) Cycle Pedic seats, 2013 High performance exhaust .....	10,41
S&S Cycle (US) Viola V-Twin Quality Service Parts.....	13
S&S Cycle (US) Stealth Air Cleaners .....	48
Spectro Oils of America (US) Premium-quality lubricants .....	56
STD Development (US) Panhead replicas .....	42
Tech Cycle Performance Products (US) Belt drives & starters.....	53
TecMate (BE) Optimate accessories .....	44
Trask Performance (US) Bolt-on turbo kits .....	19
Truett & Osborn Cycle (US) Crankshaft assembly .....	67
Vance & Hines (US) Exhausts.....	22
Wizards Products/RJ Star (US) Professional finishing products .....	44
Zipper's Performance Products (US) ThunderMax EFI module .....	48
Zodiac International (NL) The New Zodiac Bikers Book 2013 - Issue 39 .....	45

## THIS MONTH'S EDITORIAL ITEMS

Belt Drives Ltd (US) Mesh and Spoked pulleys .....	34
Boccin Custom Cycles (IT) 2012 Modified Harley-Davidson Champion .....	63-64
Brad Penn Racing Oils (US) Penn Grade 1 oil .....	55
Corbin Saddles (US) Fleetliner bags and new seat coverings .....	54
Custom Chrome Europe (DE) Dealer Show 2013 .....	7
Custom Cycle Control Systems (US) Simplified Air Suspension .....	34
DNA Specialty (US) New Beast wheel .....	50
Drag Specialties (US) Extends product range .....	38
Easyriders Events (US) Bradley Report - 2013 V-Twin Expo Seminar program announced .....	18
Fat Attack Custombikes AG (CH) 'Alu Knuckle' custom build .....	61
Fehling (DE) Parts for Dyna Switchback .....	34
Feuling Parts (US) Company feature .....	23-26
Harley-Davidson (US) Papal blessing for Harley-Davidson.....	14
Harley-Davidson (US) Bradley Report - Screamin Eagle/Vance & Hines 2012 NHRA Pro Stock results .....	18
Harley-Davidson (US) Tsunami motorcycle on display at H-D museum .....	8
Headwinds (US) LED headlamp .....	32
JIMS USA (US) New tools .....	40
KewlMetal (US) Clutch arm covers.....	54
Küryakyn (US) New parts and accessories .....	53
Kustomwerks (US) Kraft Tech frames for Sportsters .....	31
Le Pera Enterprises (US) Nomad II seat .....	42
Lehman Trikes (US) Hawg EFX running boards.....	47
Licks Custom Cycles (US) Model A taillight .....	59
Mikuni (US) HSR48 flat slide carburetor.....	32
Motorcycle Industry Council (US) Bradley Report - Board of Directors announced .....	17-18
Motorcycle Industry Council (US) Bradley Report - Year to date figures.....	18
Motorcycle Safety Foundation (US) Bradley Report - International Motorcycle Safety Conference .....	17
Mustang Motorcycle Products (US) New seat options .....	49
Paughco (US) Fenders and engine mounts.....	49
Polaris Industries (US) Continues with record results .....	14
Rick's Motorcycles/H-D Baden-Baden (DE) Rick's Day 2012 .....	12
Rick's Motorcycles/H-D Baden-Baden (DE) Adjustable 'Good Guys' levers.....	32
Rivera Primo (US) Primo open belt drives.....	31
S&S Cycle (US) 4in Race Tour mufflers .....	55
Saddlemen (US) Trike and Dyna options.....	59
Samson Motorcycle Products (US) Sturgis relocation .....	8
Speed-Way Shelters (US) Motorsports shelters.....	50
Supreme Legends USA (US) Reaper Series forward controls .....	58
Swiss Performance (CH) 2012 International Motorshow .....	11
Swiss Performance (CH) European speed trials launch in Italy .....	8
Trask Performance (US) V-Line handlebars and Bagger chin spoiler .....	49
Vance & Hines (US) Fitment carry-over for 2013 models .....	42
W&W Cycles (DE) Kibblewhite and Rick's Motorcycles parts.....	40
WanaRyd Motorcycle (US) Amp Starkline wheels .....	58
Wire Plus (US) Big Dog HCM retrofit kit.....	40
Wizards Products/RJ Star (US) Spray wax incorporates nano-technology.....	31
Zipper's Performance Products (US) Zip Kits.....	38
Zodiac International (NL) Sun Ray headlight, Arlen Ness Fire Ring LED bezel, Ride Wright Wheel 'Fat Daddy' ....	47

# The ONE show that delivers! V-Twin Expo in Cincinnati.



**FEBRUARY 2-3, 2013**

Like us on:



Follow us at:



- **NEW** Show Days and Hours  
Saturday February 2, 2013, 8am-6pm  
Sunday February 3, 2013, 9am-5pm
- Dealer Recognition Awards and Party
- *ROAD IRON* Review Dealers' Choice Show
- Profit focused seminars for dealers
- Early dealer registration incentives
- Trade Only, not open to the public

**REGISTER/SHOW DETAILS AT: [WWW.VTWIN-EXPO.COM](http://WWW.VTWIN-EXPO.COM)  
TO EXHIBIT CALL: 877-889-4697 OR 612-325-8830  
FOR INFORMATION TO ATTEND CALL: 866-427-7583**

PLEASE NOTE: YOU MUST BE A BONAFIDE DEALER/RETAILER TO ATTEND THIS TRADE ONLY EVENT. ONLY AUTHORIZED MEMBERS OF THE TRADE WILL BE ALLOWED ADMISSION. PROPER IDENTIFICATION INCLUDES TWO (one of each) OF THE FOLLOWING: Retail Business License; Vendors Permit; Resale License; Paycheck Stub; W2 Form; Business Card. All attendees must be 14 years of age or older. No child under the age of 14 will be allowed on the exhibit floor except in a stroller or baby pack.

# EU confirms emissions/ABS regs - 'Big Bikes' get anti-tampering reprieve

**T**HE European Parliament has announced that MEPs and European Council negotiators have arrived at a provisional agreement for new rules "to make motorbikes safer and greener".

From an emissions point-of-view, the existing Euro 3 compliance will be extended to apply to all mopeds (small cc 'L-category' vehicles) from January 1st 2016 and "for heavy motorcycles the more stringent Euro-4 standards would apply from 2016, and Euro 6 from 2020", according to Dutch Christian Democrat MEP and Parliamentary 'rapporteur' for the measures Wim van de Camp.

Motorcycle manufacturers in Europe had been following a timescale for voluntary introduction of Euro-4 compliance by that production year anyway, and by doing so had probably managed to secure a one or even two year delay in implementation.

However, subject to a formal vote in November, following which compliance will be enshrined in law, manufacturers will now have a further 4 years in which to prepare to meet the even tougher Euro-5 norm compliance.

At this stage it is not yet known which of the current much reduced engine choices facing customisers will be able to comply with in time.

It has also been agreed that anti-lock braking systems (ABS) will have to be fitted as standard to all "bigger" motorcycles, namely those over 125cc, while either ABS or combined braking systems (CBS) must be fitted to motorbikes and scooters of less than 125cc displacement. However, ABS switches can be installed.

The negotiations between MEPs and

the European Council involve a whole slew of regulatory impacts, with the outcomes being agreed following what are being described as "intensive informal talks between Parliament's negotiators and the [Cyprus EU] Presidency". Referencing ABS and some of the other new rules, Wim van de Camp (who is a keen motorcyclist) said "in addition we have ensured that after 4 years the Commission should present a cost-effectiveness analysis, with recommendations as to whether the rules should be revised".

When appointed as the IMCO (Internal Market and Consumer Protection) committee's delegated MEP responsible for the "Regulation on approval and market surveillance of two-or-three wheel vehicles and quadricycles" (the 'rapporteur'), van de



**In connection with rider's rights to modify the performance of their motorcycles, Wim van de Camp, an enthusiastic motorcycle rider, Dutch MEP and IMCO/EU Parliament 'rapporteur' for the anti-tampering and related regulations in the European Parliament, is on record as saying that "preventing this will disadvantage many qualified riders"**

Camp had pointed to the deep-seated culture of modifying bikes among the motorcycling community, including the improvement of engine performance by saying that "preventing this will disadvantage many qualified riders. It should therefore be left to the discretion of Member States to deal with these kind of modifications."

While it would appear than van de Camp has lost some of the 'bigger-picture' ground that he had staked-out when being given the brief, he has achieved important concessions.

Not least among them is that there are currently no plans to make it more difficult than it already is to achieve road legality for custom bikes (within the tolerances of the emissions, and presumably, some other clauses), and, most importantly for the custom parts and accessory industry in Europe, the anti-tampering regulations will only apply (for the time being at least) to motorcycles of 47bhp and less, and will apply to OEs only.

The anti-tampering measures for bikes of 47 bhp and less will be restricted to address "only those motorcycle modifications which are harmful in terms of functional safety or detrimental regarding their impact on emissions requirements," according to British MEP Vicky Ford.

The details of the regulations will be finalised in 15 to 18 months, in advance of the measures becoming law in 2 years.

Ford went on to say that "the measures are now focussed on vehicles that are already limited in speed or power" [due to learner and/or newly qualified rider licensing regulations] and that these requirements are "for manufacturers only, before type approval is granted".

**She went on to say that "we are confident that the measures agreed will not stop anyone sensible from customising or modifying their motorcycle."**

"No one ever supported banning standard modifications and part replacements," she said.

Here are views that appear to be reinforced by remarks made by the Commission representative attending the IFZ safety conference at the INTERMOT expo, in Cologne, Germany, on October 1st, who is quoted as saying "since there was never any intention to restrict rider modifications and the replacement of parts with aftermarket parts, the agreed amendments are about restricting anti-tampering measures to manufacturer obligations which apply before type approval is granted".

He went on to state that "higher and medium powered motorcycles are **entirely excluded** from the application of these measures, and the anti-tampering measures required of manufacturers only cover low performance motorbikes and mopeds.

While motorcycle manufacturers will point to the potential price impact of the measures, the potential impact of the regulations leaves OEs and aftermarket alike in a much better place than had been feared might be the case.

*Much kudos goes to Europe's motorcycle industry trade association and rider's rights group lobbyists, especially at FEMA and ACEM.*

*They have spent a long time learning how to choose their battles - a strategy that has earned them much more respect and influence in Brussels than might otherwise have been the case.*

## NO WELDING NO WAITING!




Our Triple Trees will let you Bolt on that Big Wheel that you've been dreaming about!

**NO WELDING  
NO FRAME MODIFICATION.  
BOLT ON AND RIDE TODAY!**

**ALSO AVAILABLE WITH OUR 30" WHEEL.**

KewlMetal Front End for Harley Davidson Road King  
**NEXT STOP: [WWW.KEWLMETALSTORE.COM](http://WWW.KEWLMETALSTORE.COM)**

