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AMD World Championship 2020 - Over 70 Bikes From 20 Countries Already Slated to Compete

JAN 2020
ISSUE #246

Following news last month about the growth of the AMD World Championship of Custom Bike Building's Official Affiliate event program, as we enter 2020, the year of the 14th World Championship ('AMD' XIV), there is news of further growth in the number of pre-entries for the October 2020 Championship.

At the time of writing there are still nine months to go before entries for the 'AMD' close, and there are already up to 60 'Builders' and over 72 bikes from over 20 countries (including four builders and their bikes from the USA) slated to compete in the five classes at **INTERMOT Customized**, Cologne, Germany, (October 6 to 11).

This is well above the comparable stage for any prior year, with 53 confirmed entries and another 19 Affiliate event winners receiving automatic entry - either for their Affiliate event winning bike or a new build - 2020 looks set to be another banner year. Plus, if 2018 is anything to go by, more than half the bikes this

year will have been built specifically to make their global debut at the 'AMD'. This year will see the first significant refinements to the World Championship class structure for a decade. The primary class from which the competitors (and selected prior competitors and VIP judges) will



choose their 2020 World Champion will again be the **Avon Tyres Freestyle class**, and Avon are again offering free tires to builders for competing bikes.

The **Modified Harley-Davidson class** has been renamed Modified American V-twin class to allow Indian models that meet the criteria to compete head-to-head with Harleys

for the first time.

The start-point must be a 1984 or later Harley-Davidson, or 'Gilroy', 'Kings Mountain' or later/current Indian engine and frame as the basis. The stock frame geometry must be maintained; the only modifications allowed are smoothing of welds and other moldings, sheet metal additions, tab and/or bracket relocation or removal and arising smoothings/moldings (such as exhaust bracket relocation for example).

Swingarm/rear end changes, of any kind, including replacement swingarms, are permitted; fat or skinny rear end conversions are permitted; as is frame or rear end lowering or raising, provided the basic stock frame geometry is unchanged. Case internals can be replaced, along with cylinders, heads and internals. Turbochargers, superchargers, NOS kits etc. are permitted. Screamin' Eagle/JIMS and Gilroy Indian era S&S engine cases are permitted. Frames/cases can be from two different models (from the same

[Continues on page 8 >>>](#)

J&P ULTIMATE BUILDER SERIES - NEW YORK



Bigtwin



'RISE OF ANARCHY'
by Anarchy Custom, Romania - 9th place in the Avon Tyres Freestyle Class at the 2018 AMD World Championship - full story pages 32/33...



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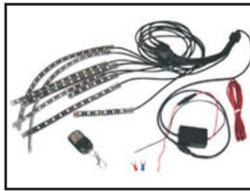
Comment - Can Harley Do It? 4

Robin Bradley on Harley's ambitious plan to see at least 50 percent of production being sold in 'international' markets by the middle of the new decade.



Changes at Polaris 17

Steve Menneto, the safe pair of hands that has driven Polaris' motorcycle division since the Indian Motorcycle acquisition, is headed for a key off-road role as Indian management is combined with International.



PRODUCT EXTRA - Letric Lighting Co 50

Prodigious growth has been driven by technology, quality and new product introductions at Jeff Zielinski's still just one-year old LED business.



PRODUCT EXTRA - Saddle Tramp 48

Holly Hill, Florida based Metra Electronics has announced new motorcycle audio, mobile device integration and convenience accessories for selected H-D models and applications in its Saddle Tramp brand.

PROGUIDE: The new, the best and the must-haves 28-57

p.30 *Biltwell Inc.* **MOTORCYCLE STOREHOUSE** *bitubo* **p.37** *TRD-USA* **p.57** *Tech* **p.40** *ZODIAC* **p.47** *POWER HOUSE*

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Can Harley Do It?

With two new mid-cycle models due to be unveiled by Harley in early 2020 - a CVO Road Glide and a Softail Standard - this year will be dominated by the August MY2021 introduction of Harley's all new liquid/air-cooled 60-degree 'Revolution Max' engine and the 1,100 cc Pan America ADV and 975 cc Bronx Streetfighter it will power.

The rumors are that with the new platform taking center stage, changes to the 'core' range most probably will be limited to paint jobs and accessory upgrades - especially connectivity and 'infotainment' as Harley continues to track the creature comfort advances that have been made by other manufacturers.

The 'Pan America' and (what we now know to be) the 'Bronx' Streetfighter were among the initiatives outlined in the 'More Roads to Harley-Davidson' strategic plan unveiled in the summer of 2018 - and unveiled for the first time in public at EICMA and then Long Beach in November.

Other highlights on the Harley 'More Roads' wish list included a continuation of its determination to invest in growing more riders through its rider training academy program, and continuation of the revolution in the structure of its dealer network (in the United States especially) with 'old school' brand-passionate Harley dealers being replaced by dealer groups and, as we discovered in 2019, private equity backed dealer group ownerships.

In 2019 the major stubbed toe in Milwaukee centered on the stillborn appointment of its first ever Global Brand President - a significant tuning of Harley's leadership structure - and an appointment that is rumored to have had as much to do with lining up a replacement for CEO Matt Levatich (should he decide to press the retirement option button in 2020) as it did to trying to rebuild Harley's shambolic marketing programs and structure.

The plan had been to bring one central executive to the senior decision-making table with overall responsibility for coordination of brand management and development - a much needed and decades overdue move.

However, the appointment didn't work out, and to be fair to Harley, the rumors are that the "toe stubbing" apparently had as much to do with the peccadilloes of the appointee as it did with being a fundamental HR failure by Harley themselves. Not that I am one to throw stones in that particular glass house!

In principle, the plan to appoint a single board level manager with overall marketing responsibility to coordinate programs and "evolve the brand to support the company's strategy" makes perfect sense, even if it does beg the question 'why wasn't it always thus'?

Harley's statement at the time of the appointment went on to say that "as the company expands into new segments and new geographies and seeks to inspire diverse, new riders around the globe, the Global Brand President will be responsible for all aspects of the Harley-Davidson brand including product planning, marketing, retail, apparel and communications."

At the time of the announcement, I worried that although I see "marketing" as

such as being a primary weakness at Harley-Davidson, no way should marketeers be allowed anywhere near engineering decision-making or productionization. That way madness lies!

However, being able to coordinate the planning of what needs to be engineered and produced with the available business opportunities is fundamental to any manufacturer's game plan.

In the 1990s, when Harley canned the still much loved FXR just at the time when streetfighters were the 'new black', it was patently obvious that the ever growing retail price-points of the Tourers and Softails would ultimately lead to a disconnect between Harley and market opportunity as its traditional 'Boomer' core customers aged out.

While I have every sympathy with a corporation that wants to preserve its perceived brand value and MRSP policy in order to make more from less (a perfectly valid and laudable business objective), it was inevitable that the schism between the demographic that could move up the price elevator with Harley and the unit volume opportunities in the future motorcycle industry were going to bite them.

Meanwhile, one of the other 'More Roads' strategic objectives does look like it could be somewhat of a salvation - namely the plan to aggressively grow demand for Bar 'n Shield badged PTW product outside the United States to around 50 percent of production by the middle of this new decade. Coincidentally an ambition echoed by Indian Motorcycle at around the same time that Harley broke cover on its plan.

Although Harley-Davidson sales internationally haven't been as strong in 2019 as might have been hoped, especially in the all-important European markets, compared to a decade ago, Harley is nonetheless in a massively enhanced position, both in national market share and unit sales terms in many of the most important international markets.

The fact that a decision that saw Harley embrace the 60-degree V-twin combi-cooled layout in a marriage of engineering with product planning some two or three years before announcing a Global Brand President, shows that Harley can do it, namely bring market opportunities and engineering and production planning together.

Even if the softer numbers in the U.S. market lower the bar of achieving 50 percent of production to be sold internationally, the currently robust European market (in particular) can prove to be a life-saving platform for Milwaukee if they continue to refine the start-point and can do better in price-point terms there.

“ strong platform in Europe ”

Robin Bradley
Co-owner/Editor-in-Chief
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NEWS BRIEFS

Harley has issued a recall in the USA of certain 2019-2020 FLHTCUTG and FLRT Trike models on the basis of possible unintended rear brake activation. The potential number of units affected is up to 12,624.



CONCORSO D'ELEGANZA VILLA D'ESTE

The BMW sponsored Concorso d'Eleganza Villa d'Este (on the shore of Lake Como - Cernobbio, Northern Italy) will be staged from 22 to 24 May 2020. Registration is now open, and this signals the start of the selection procedure when decisions are taken on which vehicles will be on show.

Honda R&D Co., Ltd., a research and development subsidiary of Honda, has announced that it has acquired all of the outstanding shares of the California-based Drivemode, Inc. in order to further strengthen "new value creation" in the areas of digital and connected mobility products. Drivemode is a start-up that develops and operates smartphone-based connected services. Honda R&D and Drivemode have been collaborating and conducting joint development activities since 2015 through the Honda Xcelerator program, an open innovation program Honda has been pursuing on a global basis.



Dainese has announced the grand opening of its latest flagship retail location in Las Vegas. Featuring an "innovative retail concept that creates a journey through moto history with memorabilia, including one of Valentino Rossi's suits, all surrounded by the world's most advanced protective apparel. Designed by Renato Montagner, the retail environment immerses visitors in the rich heritage of the Dainese and AGV brands while profiling all riding styles including racing, touring, street and urban".

Ford is to transfer most of its operations in India to Mahindra & Mahindra as part of a joint venture with the Indian carmaker, BSA and JAWA brand owner, and 51% owner of Peugeot scooters. Mahindra will own 51% of the joint venture, valued at \$275m. Both firms will continue to own their own brands and sell them through their own separate dealer networks.

<<< Continued from cover manufacturer).

The **Retro/Modified class** is for any modified motorcycle with any drivetrain on any chassis configuration that is based on a pre-1984 engine, styled to have the appearance of a motorcycle manufactured prior to 1984. Use of some contemporary parts/design elements is permitted. Entirely new for 2020, the **Modified Street Custom class** is for all manufacturers/brands with a 1984 or later major OEM volume production engine and frame as the start-point. The neck may be cut to rake or stretch the frame, and hard tail sections and wide tire alterations are acceptable, but the bike must be a two- or three-wheel motorcycle configuration. Previously two separate classes, **Café and Street Performance** have been combined as a class designed to



Dmitry Golubchikov of Zillers Garage was the first Russian winner of the AMD World Championship of Custom Bike Building in 2018 with 'Insomnia', a Yamaha SR 400 based masterpiece.

showcase customs where the primary intention of the customizer is to improve the street use performance of a motorcycle, and showcase the customizer's streetable performance engineering, tuning and handling skills and techniques. This class is open to all or any kind of motorcycles, of any platform or drivetrain, air-cooled or liquid-cooled (or even alternative energy) - 'metric', Whitworth/AF and SAE measure motorcycles, all kinds of performance engineering and enhancement/tuning techniques,

including supercharging, turbocharging, NOS, fuel injection etc., with vintage or modern café racer, drag or sport bike styles among those permitted.

Also new for 2020 are a series of 'Cross Class' Awards - including the **Detlev Louis** sponsored **Public Choice** (as selected by public ballot) and **New Energy Vehicles (NEV)** - to be chosen from entries utilizing electric, hybrid, hydrogen or fuel cell power, or any other energy sources considered to qualify.

INTERMOT Customized fills Hall 10, one of the largest at the Cologne Exhibition Center complex, and one of the six halls in use for **INTERMOT** this year, with the 'AMD World Championship' as the center piece. Set-up day is Monday October 5th; Press Day is Tuesday 6th; Trade and Preview Day is Wednesday 7th; Public days are 8th - 11th October, with the live streamed awards ceremony at 3:00 pm on Sunday 11th.

AHDRA Schedule, Sponsors Coming Together



Following the news that the AHDRA series is to make a comeback in 2020 (Kudos Bill Rowe!), a schedule and class line-up has been published. The season opens at the traditional nitro Harley headquarters of Rockingham Dragway in North Carolina in May, then moves north to Numidia, Pennsylvania, before hitting the Midwest at Cordova, Illinois.

Then it is on to the Sturgis Dragway (August 10-11) and into Canada for the end of August at the Napierville Dragway in Quebec. After a four-week break, racing resumes at the Atlanta Dragway, Commerce, Georgia, and stops at the Orlando Speed World Dragway in Florida before the season wraps up at Gainesville, Florida, at the end of October.

"Thank you everyone for the amazing outpouring of

support," said Rowe. "I really didn't know what to expect when we got into this, but the response has been amazing. Stay tuned for more news to come." AHDRA is owned by Pulse

Marketing, the Hellertown, Pennsylvania-based motorsports promotion company run by veteran drag racer Rowe and his family. www.raceahdra.com

2020 AHDRA SCHEDULE

- May 15-17 Rockingham Dragway, Rockingham, North Carolina, USA presented by Cox Double Eagle Harley-Davidson
- May 30-31 Numidia Dragway, Numidia, Pennsylvania, USA presented by Vreeland's Harley-Davidson
- July 3-5 Cordova International Raceway, Cordova, Illinois, USA
- August 10-11 Sturgis Dragway, Sturgis, South Dakota, USA
- August 29-30 Napierville Dragway, Napierville, Quebec, Canada Nitro by invitation
- October 2-4 Atlanta Dragway, Commerce, Georgia, USA
- October 15-17 Orlando Speed World, Bithlo, Florida, USA presented by MTC Engineering

November 6-8 World Finals at Gainesville Raceway, Gainesville, Florida, USA including a \$5000 All-Star race on Saturday night and the AHDRA banquet in Gainesville on November 9th

Sources: AMD, IDN, FT, Reuters, PSB, MPN, B&B, BDN, MCN, AP, Bloomberg, MSNW, Electrek



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NEWS BRIEFS

BMW Motorrad was able to increase deliveries of its motorcycles and maxi-scooters in the third quarter to 43,744 units (2018: 39,818 units; +9.9%); revenue growth was +17.2% (€558 m). Motorcycle deliveries during the first nine months of 2019 totaled 136,932 units (+8.0%), generating revenues of €1,871 million. October sales were down -3.1% for the month (12,645 units), but up by +7% (149,577 units) for the YTD.



ISMA, the International Snowmobile Manufacturers Association, is predicting that the upcoming season should be a good one for the snowmobile industry, with the winter projected to bring high snowfalls. Sales for 2018-2019 totaled 55,025 new snowmobiles in the USA, with 46,784 new units sold in Canada and over 31,000 sold in Europe.



Indian Motorcycle's new Challenger model is equipped with the Metzeler Cruisetec tire as stock fitment - "with 122 hp and 128 ft-lbs of torque, the Cruisetec's performance characteristics will stand up to the demands the Challenger rider will inflict on the road," says Metzeler.

Cycle World has named the Ducati Diavel 1260 S as its best cruiser of 2019, with the BMW R 1250 GS ADV as the best Touring model. Its best lightweight street bike is the Kawasaki Z400; best middleweight is the Triumph Street Triple R, and best 'Open-Class' street bike the much admired KTM 1290 Super Duke GT.

Turin, Italy based Tacita Motorcycles is the latest E-bike manufacturer to cast covetous eyes on the domestic US market, having established Tacita USA Corp. in Miami, Florida, headed up by CEO Axel Heilenkottler. Tacita says it has been building electric motorcycles since 2011 and plans to offer two model ranges - the T-Race off-road and Enduro E-bikes, and three power/price point cruiser style models (T-Cruise) that are clearly aimed at Harley's LiveWire. Whereas most electric motorcycles have a 'Twist & Go' throttle, the T-Cruise will apparently have a more conventional gear shift transmission.

J&P Ultimate Builder Series - New York



Freestyle Winner: George Stinsman with Chaos Cycle and painter Brian Bruzzone with 'Chaos Cycle Café'

Staged at the Jacob Kravitz Center during the New York Progressive International Motorcycle Show (December 6 - 8), the second of eight 2019/2020 season J&P Cycles' Ultimate Builder Custom Bike Shows (UBCBS) series saw George Stinsman of Chaos Cycle (Shirley, New York) scoop the win in the Freestyle Class with 'Chaos Cycle Café' - featuring an exhaust swingarm, custom gas tank, oil tank/fender, wheels and Chaos Cycle triple tree (valued at \$40,000). Celebrating its tenth successive year, the J&P Cycles sponsored UBCBS series is expected to feature some 300 plus custom motorcycles, with more than \$70,000 up for grabs in cash and prizes. This year's categories include Custom Classic, Custom Street, Freestyle and People's Choice. Judged by a panel of industry experts, winners in each city along the IMS tour will be invited to compete in the championship round taking place February 9, 2020 in Chicago for a chance to be crowned "King of the Builders." "Custom building is one of the most creative outlets our industry has to offer, and the Progressive International Motorcycle Shows offer the ideal platform for builders to showcase their work on a national stage," said Bob Kay, Director of UBCBS. "Not only are the motorcycles strikingly ornate, but it's an incredible opportunity for the motorcycle enthusiast community to learn about and appreciate the unique story behind the creation of each build."

motorcycleshows.com/UBCBS

Freestyle

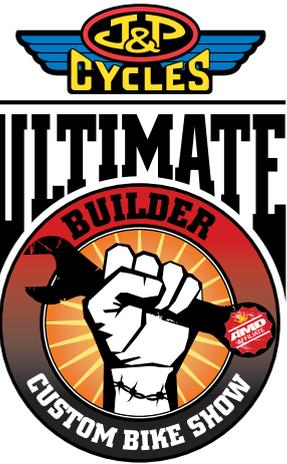
Winner: George Stinsman with Chaos Cycle and painter Brian Bruzzone with 'Chaos Cycle Café' featuring an exhaust swingarm, custom gas tank, oil tank/fender, wheels and Chaos Cycle triple tree, valued at \$40,000.

Runner-up: Ryan Coligan was selected as runner-up with a 2019 custom Turbo 100 featuring a turbocharged blow-through carb set-up, 100 ci Merch motor and Evo bottom end and Twin Cam top end. Coligan built the custom frame, hosting all-aluminum bodywork and fuel/oil cells. The fuel/oil cell is found under the seat, featuring an extremely low 14" seat height, with a 26" front and 15" rear car wheel with custom hub and a 230-width tire and a Hurst shifter from a 1969 Camaro.

Custom Classic

Winner: Evan Favaro with Speakeasy Motors and painter Taylored Auto Body won with a 1991 BMW R100RT. Café racer style, the motorcycle features a stainless steel exhaust through a handmade custom tail section, custom louvered belly pan, stripped frame CAN bus wiring, Bluetooth proximity key ignition, custom Cerakote wheels by Prodigy Performance, a seat by Fish Bros, and all electronics operate off a smartphone app. The motorcycle is valued at \$25,000.

Runner-up: Dell Battle with Dangerous



Designz and painter Brad H Design were selected with a 1991 Harley-Davidson Sportster.

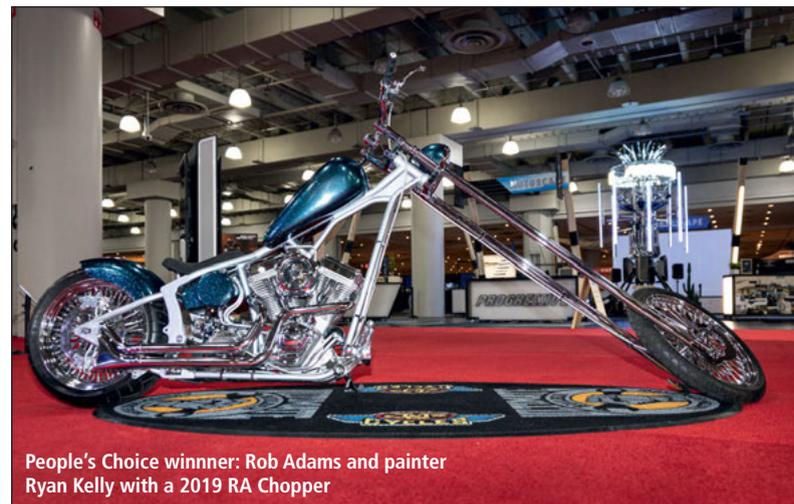
Custom Street

Winner: Dell Battle with Dangerous Designz and painter Letters & Liens won with a 2002 Harley-Davidson Sportster.

Runner-up: Brian Ballard with A&J Cycles and painter Dave at Slag Kustom were selected with a 2019 Triumph Scrambler XE. The motorcycle is based on Steve McQueen's 1961 Triumph Desert Sled, featuring a custom rear fender, undertail, number plate and light bracket by Slag Kustom, a custom 2:1 exhaust, prototype A&J Cycles TFT dash relocation bracket, custom folding license plate bracket, vintage Harley-Davidson SX125 front fender, lighting upgrades from Denali and Kellermann, valued at \$20,000.

People's Choice

As voted by IMS attendees, Rob Adams and painter Ryan Kelly were selected as the People's Choice winner with a 2019 RA Chopper featuring handbuilt tins, Rolling Thunder frame, a Sugar Bear front end, Ultima 113 engine with a six-speed transmission and custom metal flake paint, valued at \$40,000.



People's Choice winner: Rob Adams and painter Ryan Kelly with a 2019 RA Chopper

Sources: AMD, IDN, FT, Reuters, PSB, MPN, B&B, BDN, MCN, AP, Bloomberg, MSNW, Electrek

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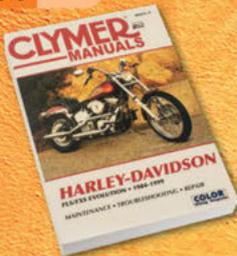
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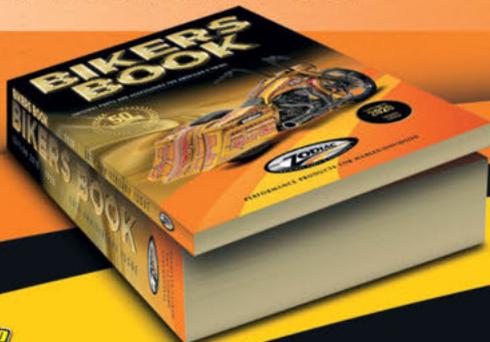
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PERFORMANCE PRODUCTS FOR HARLEY-DAVIDSON

NEWS BRIEFS



Husqvarna

The Norden 901 parallel twin dual sport concept that Husqvarna teased at EICMA in November is now slated to enter production as the KTM owned manufacturer continues to ramp up its play for a slice of the ADV market. "Forming Husqvarna Motorcycles' vision of an adventure-touring motorcycle, the Norden 901 is a dynamic, twin-cylinder motorcycle that features advanced rider ergonomics and high performance based on years of rally experience, delivering outstanding street and off-road performance."

The KSR Group (Christian and Michael Kirschenhofer) has completed the second phase of an expansion plan at its new corporate headquarters at Gedersdorf in Austria, with the addition of around 2,200 sq m, including an in-house design studio for its PTW brands - including Malaguti, Brixton, Lambretta and KSR Moto. KSR opened the first phase of its new HQ in April 2017; revenues are said to have grown by 50% in two years from 2016 and are expected to have grown by the same again in the 2018/2019 period.

DUCATI

Ducati CEO Claudio Domenicali has been appointed as the new President of Motor Valley - a Bologna, Italy, area promotional association that brings together all the "Motor Valley" brands of the Emilia-Romagna region - "this unique motorcycle and car manufacturing area has over 16,500 businesses (10% of Italy's national supply chain) and employs over 66,000 people. It is home to a concentration of brands, private collections, international race circuits and specialized training centres within a 150 km radius that is like no other on the planet. Motor Valley encapsulates Made-in-Italy automotive and industrial excellence: it's a project that highlights the area's capacity to network and make the most of internationally unique qualities."

MIC Symposium - Initial Tactical Steps for Industry Ridership Initiative

A strategy playbook, a new online portal for new riders, and a new director of ridership position highlighted an afternoon presentation to hundreds of guests at this year's Motorcycle Industry Council Communications Symposium.

"More Riders, Riding More - The Ridership Session" outlined these action plans for the developing industry-wide initiative, presented by MIC staff and strategic consulting company Centauric, at the November 21 symposium in Long Beach, California, which saw a record number of attendees. The Ridership Session was free and open to anyone in the industry and was live-streamed as well.

"Helping non-riders gain an awareness of motorcycling and consider riding is at the heart of the new strategy playbook, a free, shared roadmap that the MIC will make available to the whole industry. A beta version was available for the audience to see on their mobile devices. Months of research revealed that almost all potential motorcyclists - from any background, age, gender or race - if spoken to with specifically themed messages, can be well on their way to identifying with the riding experience. "The playbook will help companies assess their messaging and identify what needs to change to help accelerate an interest in riding among new audiences."

"If we can align our messages - and I'm speaking to everyone in this room and across our industry - if we can align our messages to what these people want and need to hear, and we can create experiences that address the barriers they've identified, we will succeed in creating a new, modern era of riders and riding," said Larry Little, MIC Vice President and the staff project lead on



Left to right: Erik Pritchard, MIC CEO; Larry Little, MIC Vice President; Tina Beranbaum, Centauric Behavioral Scientist



MOTORCYCLE INDUSTRY COUNCIL

the ridership initiative. He reiterated that while the MIC is making the initial investment in a long-term industry program, it will be incumbent on all of the industry working together, with the newly developed knowledge, to create new riders.

To help get future motorcyclists past the barriers to riding, the MIC is building a primary online portal for potential riders to learn more about riding, training, equipment, gear, rider groups, and all things motorcycling. This gateway to the riding experience will be branded and set up so that information is easy to access, with tools to help people find their path.

"Of course, this is attractive to a generation used to having information at their fingertips," said MIC President and CEO Erik Pritchard. "Here's the bottom line: if we want more people to ride more, we must remove barriers, make it as easy as possible for them and connect motorcycle riding with positive emotions. This portal to motorcycling is the first, essential step for our collective efforts to succeed."

To oversee these efforts, the MIC will hire a director of ridership, a new

position at the association. The ridership initiative will be the director's sole, full-time job, and will be supported by other MIC staff.

Pritchard added that "going forward, the entire industry must be expansive and speak to a broader, more diverse population who would choose to ride if provided the right opportunity and connection to the experience. The industry must also be consumer-centric, paying attention to what potential riders feel, think, want and need, and making sure the experience, message or product is designed to match their perspectives."

He said the industry must be "comprehensive and connect with potential riders on an emotional and rational level, instead of focusing on technical specs. We must be responsible and promote safe riding, and we need to be collaborative, with everyone's actions supporting the strategy playbook as well as their individual company's success."

Tina Beranbaum, Centauric behavioral scientist, stressed that this is a big, collaborative effort. "There is an as yet untapped audience of people we might not have thought of as potential riders. We must be working together as an industry to capture their interest. The potential is much bigger than you might have imagined."

Parts World AG

At the start of 2019, Swiss distributor and custom specialist Andy Mueller's Parts World AG became part of the massive and diverse Hostettler Group. Best known as the Swiss Yamaha importer and for its popular iXS apparel brand, Hostettler was founded in 1906 and the Group has 13 companies - including ten trading companies - and employs more than 700 people. Founded in 1997, Parts World is a natural fit for Hostettler's

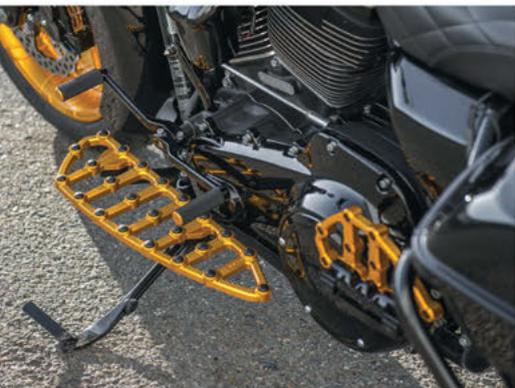
multi-channel distribution model and has been constantly expanding its business model as an internet pioneer. It operates a modern online shop and has built up a "perfectly coordinated logistics and sales structure with its trading partners in order to offer customers a seamless, cross-channel buying experience and to strengthen the Swiss motorcycle retail trade." Parts World is an official Swiss importer for renowned brands such as Akrapovic, Airroh, DEI, Fehling, Five Gloves, Gray

Sheep, Kellermann, Kineo, Müller Motorcycle, Performance Machine, Rizoma, Roland Sands Design, Motorex, Öhlins and Italian exhaust specialist Zard. www.partsworldshop.com



Sources: AMD, IDN, FT, Reuters, PSB, B&B, BDN, MCM, AP, Bloomberg, MSNW, Electrek

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NEWS BRIEFS

VW has 'bet the farm' on its electric future, committing over €66bn (\$72bn) to an electric car future.



The group plans to have introduced up to 75 all-electric models by 2029, plus some 60 hybrid vehicles. €33bn of that will be dedicated to developing electric cars across its global brands - Volkswagen, Porsche, Audi, Bentley, Bugatti, Lamborghini and its Skoda and Seat Europe specific brands.

BMW Group, BASF SE, Samsung SDI and Samsung Electronics have started "Cobalt for Development" to promote responsible artisanal cobalt mining in the Democratic Republic of Congo. The pilot project intends to improve working conditions at a pilot mine site and living conditions in the surrounding communities.



Yamaha Motor is investing further in Autonomous Driving Technology Developer "Tier IV", strengthening development capabilities for low-speed autonomous driving vehicles through the development of Autoware (autonomous driving OS software). Through this investment, Yamaha Motor aims to strengthen development capabilities and acquire knowledge regarding low-speed autonomous driving technology. This additional investment forms part of "ART for Human Possibilities, Rethinking Solutions", one aspect of the company's long-term vision to provide multi-use vehicles and alternative mobility systems to regions where there are many elderly and other people with limited access to transportation.



Harley was in sixth place for a 9.05% market share in Germany for the eleven months to November 2019, having sold 10,052 units, -6.91% over the same period of 2018. There's no surprise that BMW is market share leader in its home market with 24,447 units sold YTD for a 22.03% share, followed by Honda, KTM, Kawasaki and Yamaha.

WPS/HardDrive Opens New Georgia Warehouse Ahead of Schedule

Western Power Sports and HardDrive, their specialty V-twin parts and accessory program, have announced the completion of a new 245,000 square foot warehouse at Midway, Georgia.

Scheduled to open in late January 2020 (two weeks ahead of schedule), "this state-of-the-art facility is part of an ongoing effort to increase support for its vast dealer network across the south eastern United States."

Designed and built from the ground up, this new WPS distribution center "combines the latest in warehouse automation and the industry-leading service WPS is known for. This new location will fundamentally change how WPS is able to serve the entire southern region, opening the door for one-day shipping to a greater number of dealers."

"This new warehouse is a great opportunity to better serve the powersports dealer network and the



future growth of the company. It delivers on the latest in automation and allows us to properly facilitate dealers who need products quickly. The building is complete, the four-story pick module and racking are close, and we have started filling the warehouse with product and plan on shipping soon," WPS CEO Craig Shoemaker explained. "This has been in the works for several years and we are excited to start

shipping orders out as soon as possible."

Shoemaker said that to maintain maximum efficiency, the current 109,000 square foot warehouse in Memphis, Tennessee, will be integrated into the new Georgia location. All shipping operations from the Memphis facility will switch over to Georgia.

"The new warehouse is a vital component of the continuous growth WPS has experienced and shows our continued commitment to supporting our industry and dealer network. With recent expansions at two current WPS facilities in California and Idaho, as well as an additional warehouse in Pennsylvania, WPS will continue delivering its dealer network with the ultimate in service and speed – all while offering more brands than ever before." WPS also has warehouse facilities Indiana and Texas.

www.wps-inc.com



Corbin Donating 'Sparrow' to Petersen Automotive Museum

In 1996 the original Sparrow concept vehicle made its debut at the San Francisco Auto Show. Heralded as both "quirky" and "brilliant", the overall positive reaction led to the production of what was then the world's first single passenger EV.

The project scratched more than an itch for inventor Mike Corbin - as an electronic engineer by training he had always believed passionately in the future of electric vehicles and was many decades ahead of his time.

The original "Bug Eyed Sparrow" is being donated to



the Petersen Museum in Los Angeles for the viewing enjoyment of all to see for generations to come. The

Sparrow is and has been an inspiration for the modern-day electric car.

www.corbin.com

Sources: AMD, IDN, FT, Reuters, PSB, MPN, B&B, BDN, MCN, AP, Bloomberg, MSNW, Electrek



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MEETS OR EXCEEDS
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BST hyperTek

The South African carbon fiber wheels specialist has attracted high value, high profile exposure all around the world following EICMA for the debut of a new Pierre Terblanche designed 'thing of beauty' in its hyperTek electric motorcycle.

In new wheel terms, BST has two new lines - Torque Tek for American V-twins (H-D, Indian and custom cruisers) and the GP Tek for sportsbikes. Said to be the strongest motorcycle wheel BST manufactures, the Torque Tek has a front load rating of 518 lbs/235 kg and 904 lbs/410 kg at the rear - a split midway on the spoke optimizes the support of the outer rim to fit the strength and power of custom choppers and Harley-Davidsons.

The Torque Tek design is not only



The BST hyperTek, designed by Pierre Terblanche

strong but also very light, tipping the scales from only 10.58 lbs/4.80 kg (depending on the fitment), and it too has the new BST painted and serviceable coating between the tire and rim to protect the wheel during tire changing.

Depending on fitment sizes, the front

weighs in at 10.69 lbs/4.85 kg and the rear at 10.85 lbs/4.8 kg. The front load rating is 518 lbs/235 kg with 904 lbs/410 kg at the rear. The front is available in five size options from 16 x 3.50 to 26 x 3.50; the rear in four options from 16 x 5.00 to 18 x 5.50.

www.blackstonetek.com



Torque Tek for American V-twins

Harley-Davidson FXR Bible



Respected author Timothy Remus has a new book available - the FXR Bible. Though the Harley-Davidson FXR may have been missing from dealerships for over twenty years, that doesn't mean there isn't a lively interest in the bike - one that many people think is one of, if not the best machine Harley ever made. If the number of clubs and Facebook sites dedicated to the FXR is any indication, the old bike is not only alive and well, but back in vogue.

Casual riders and hard core FXR enthusiasts will find the book both entertaining and informative. The front section includes a series of short chapters: history, year-by-year changes, the FXR frame, electrical issues, drivetrain options (i.e. Twin Cam), and planning a complete build. The heart of the book is a series of detailed features on a wide variety of mostly modified FXRs. Starting with the Shovelheads, everything is here from Café models to asphalt ripping Twin Cam powered race bikes, to over-the-top FXRTs. And yes, there are a few Dynas as well.

www.wolfpub.com

Tucker V-Twin Show

Fort Worth, Texas, January 21 - 23

Extended to cover three full days for the first time, the 2020 Tucker Powersports Dealer Show is slated to include over 100 brand partners and a "multitude of educational opportunities for you, our dealer partners."

V-Twin show exhibitors are expected to include Cardo rider communications, Wiseco pistons, Avon Tyres, Battery Tender, Maxima Lubricants, Badlands Motorcycle Products, Cobra USA, Freedom Performance, Letric Lighting, Memphis Shades, Motion Pro cables, controls and tools, NAMZ Custom Cycle Products, National Cycle, Rick's Motorsport Electrics, Two Brothers Racing, Vance & Hines,



Wild Ass, All Balls Racing, Aquatic AV, Arlen Ness, Burly Brand, Cyron Lighting, Performance Machine, Progressive Suspension, S&S

Cycle, and Twin Power USA. Recent new products from Twin Power USA include ignition coils for Indian models, magnetic oil filters and premium engine oil.



Polaris Announces Changes to Senior Leadership Team



Polaris has announced that current President of Motorcycles, Steven Menneto, has been named President of Off Road, with Michael Dougherty, current President of International, adding the role of President of Motorcycles in addition to his present duties.

Chris Musso, the current President of Off Road, has been named to a new role as Senior Vice President of Electrification Strategy. All three leaders will continue to report to Polaris Chairman and CEO Scott Wine. "Sometimes to think outside you must



Michael Dougherty

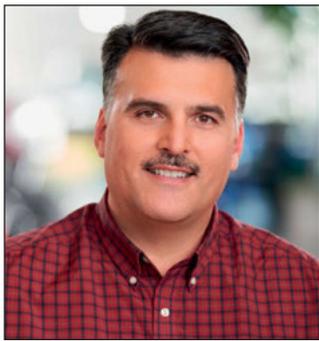
look inwards. Winning the competitive battle requires us to allocate and utilize our resources optimally, and that begins with placing our most seasoned and proven executives in roles where they can assume broader responsibilities and deliver greater impact," said Wine. "These leadership changes leverage existing talent, and add vital capability, as we further our efforts to be a customer-centric, highly efficient growth company." As President of Off Road, Menneto will be responsible for Polaris' off-road vehicle (ORV) and snow business segments.

During his four years as President of Motorcycles, Menneto successfully developed and cultivated a customer-first approach across the business. As the result of his leadership, Indian Motorcycle has been the fastest growing motorcycle brand in the industry, gaining market share every year and leading the industry in owner satisfaction ratings. Menneto joined Polaris in 1997, following two years as a Polaris dealer. During his tenure at Polaris, Menneto has served in various leadership roles including Vice President of Motorcycles and Director of ORV Sales. Speaking to Michael Dougherty's new role, Wine said: "Throughout his two decades with the company, Mike has played a significant role in fostering our powersports leadership on the global stage. He is a talented leader who has demonstrated an ability to conquer the multifaceted challenges commensurate with developing new markets and driving profitable growth over the long-term. "With Indian Motorcycle, our largest brand outside of North America, Mike's



Chris Musso

rich international experience will prove invaluable to a business that is expecting continued growth from international consumers." Scott Wine has been deliberately cautious in electrification terms, despite the acquisition of Brammo at an early stage in the development of the EV market. The appointment of Chris Musso to the new post of VP of Electrification Strategy is being seen as a statement of intent. At present Polaris' current electric vehicle product offerings include GEM, Goupil and the RANGER EV. Musso joined Polaris in 2017 as President of Off Road.



Steve Menneto

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Bigtwin Bikeshow & Expo November 1 - 3, Utrecht, The Netherlands

Words & Pictures Onno Wieringa
"Madness Photography";
madnessphotography.eu

Custom bikes from all over Europe came to the Bigtwin Bikeshow & Expo to compete in one of Europe's highest of high-class custom bike shows - 105 custom motorcycles entered, divided into six different classes: Freestyle, Classics, Custom-Modified, Clubstyle, Café Racer-Tracker and Choppers.

The Bigtwin show was booked solid, every inch of the Expo Houten was filled with trade stands, customizers and artists; all three days the place was packed with visitors to enjoy live music and striptease shows, and on Saturday the Biker Wedding drew a crowd that was way too big to fit in the Biker Café! The jury picked the winning bikes on Friday, the prize-giving ceremony was on Sunday. All styles, models and makes were represented and the quality was exceptionally high this year, which made it a hard job to choose for the judges. From Belgium, Switzerland, Germany, Finland and many more countries the coolest custom bikes were represented, along with the finest of the Dutch custom builders.

'Best of Show' was won by Jan Glas' beautiful, handbuilt Indian Chopper. He built it in his clubhouse, PB in Leeuwarden, Fryslân, in the north of Holland. The hardtail chopper has a PowerPlus 1,700 cc engine with Mikuni carburetor, big spoke wheels, and the rest is homemade. The flowing lines, many, many details and Royal Jack's paintwork made this bike stand out, earning top honors as Best in Show 2019! He won the latest TomTom 550 Rider, appraisal by Beerens Taxaties and a custom seat for his next project to be made by Tijger Leathers. He also received an invitation to the 2020 AMD World Championship of Custom Bike Building in Cologne, Germany, in October 2020.



Best of Show: Jan Glas, Indian Chopper

Mario Kruyswater won the Freestyle class with his stunning Sportster Ironhead called 'The Droose' - equipped with a supercharger and built on a homebuilt gooseneck frame and with self-made front end, drum brakes and many other handmade details; Royal Jack did the 'worn metal' paintjob. Mario put over 2,000 hours into the build. His prize also included an invitation to the 2020 AMD World Championship of Custom Bike Building.

The coolest chopper was Ape Andy's Yamaha 1000 with a mile-long Springer front end and sky-high sissy bar. Andy built this chop using a VG Motorcycle hardtail frame, a Yamaha 1982 TR1 engine and made the sissy bar, seat, handshifter, foot clutch and much more himself. Friscovosen helped out with the exhaust and Lukas Krufczk did the psychedelic paintjob. Living in Germany, he spent many hours getting it TÜV approved.

In the 'Café Racer' class it was Maarten Poodt who surprised

everybody with his Kenny Roberts inspired Yamaha to win the class. Maarten did a great job by starting off with a stock 1983 Yamaha XZ550, fitted a Yamaha YZF-R6 front end with Hyperpro suspension and made the exhaust and all the sheet metal - including the fairing and race seat - himself.

In the 'Custom Modified' class, Giuseppe 'Pepe' Lazzara won the biggest trophy with his engraved, Mexican style H-D Evo 1340 Softail, complete with high handlebars, airride front and rear and long exhaust pipes. It took him one year to build this sparkling Mexican called 'La Peligrosa', which means Danger. Pepe made almost everything himself, including the long, sweeping rear fender. Wheels are from DNA and the paint was done by Daddy Graph.

Fred van Essen brought his vintage '51 Panhead, a H-D Hydra Glide, in perfect condition, with period correct accessories and plenty of patina, winning the 'Classics' class. He won PowerPlus tools, a leather jacket presented by IMG Trading/Grand Canyon, and a trophy made by Toine van Lieshout.

A Mario Kyprianides/Chopper Kulture built FXLR Harley-Davidson was the overall winner in the 'Clubstyle' class. Mario had set his mind to building the perfect Clubstyle bike without changing the original looks of the FXLR. Only high-end quality parts were used - like Hyperpro suspension, Race Tech nitrated fork tubes, Beringer brakes, a JIM's 6-speed transmission and special clutch. The stock looking fenders and other parts are in carbon. Class winners won a Zodiac International 750 euro check, a beautiful trophy made by Toine van

Bigtwin

Lieshout at Phoenix Metaal, a Jekill & Hyde goodie bag and a can of Vulcanet water-free bike wash. Second prizes were a Zodiac 500 euro check and a Bigtwin trophy; third prizes were a Zodiac 250 euro check and also a Bigtwin trophy.

Thanks to all the sponsors, Zodiac, TomTom, PowerPlus Tools, Beerens Taxaties, Tijger Leathers, IMG Trading/Grand Canyon, Vulcanet and Toine Lieshout/Phoenix Metaal, and of course Bigtwin Magazine.

RESULTS

BEST OF SHOW: Jan Glas, Indian Chopper

FREESTYLE

1st place Mario Kruyswater, Ironhead with supercharger

2nd place Rainer Metzger, Steampunk Chopper

3rd place Marcel Kerkvliet, home-built Trike

CHOPPERS

1st place Ape Andy, Yamaha 1000 Chopper

2nd place Markus Raunio, Shovelhead Chopper

3rd place Mick Wagenaar, Panhead Chopper

CLUBSTYLE

1st place Mario Kyprianides, Chopper Kulture, H-D FXLR

2nd place Perry Verhoeven, H-D FXR

3rd place Ard de Lange, H-D Dyna

CUSTOM MODIFIED

1st place Giuseppe 'Pepe' Lazzara, H-D Softail 'La Peligrosa'

2nd place Marcel Wagemans, H-D Sportster Paris-Dakar

3rd place Koen Hendrickx, Trask Performance H-D

CAFÉ RACERS / TRACKERS

1st place Maarten Poodt, Kenny Roberts Yamaha

2nd place Frans van den Hoogen, Ducati 1200 Monster

3rd place Henry de Vries, Suzuki 650 Savage

CLASSICS

1st place Fred van Essen, H-D 1951 Hydra Glide

2nd place Ger Dijkshoorn, H-D WLD

3rd place Tony 'Indian' Leenes, RIR Speedway racer

Freestyle Winner: Mario Kruyswater, Ironhead with supercharger



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Parts Europe Adds SW-MOTECH Accessory Range



German luggage and protection parts specialist SW-MOTECH will be working together with Parts Europe GmbH from January 1st, 2020. Parts Europe dealers throughout Europe will be able to order all SW-MOTECH products from the Trier, Germany based distributor. SW-MOTECH will continue to supply its existing business partners and customers via its warehouse in Rauschenberg, central Germany. "By working together with SW-MOTECH, we are expanding Parts Europe's existing extensive range to include high-quality motorcycle luggage and

sophisticated protection parts that were previously not available to our customers. We are delighted to be able to offer dealers new items that offer a high potential for their sales," says Xavier Williart, Sales Manager Parts Europe. Parts Europe ships 180,000 different items for most powersports segments via its state-of-the-art warehouse in Germany to a large dealer network throughout Europe, the Middle East and Africa. "With an international staff of almost 300 employees, Parts Europe guarantees a native speaking



customer service in almost all sales areas." Founded in 1999, SW-MOTECH itself employs over 300 workers at its headquarters, as well as at an additional production facility at Brno, Czechia. SW-MOTECH produces original accessories for

many of the leading OEMs, including BMW, Ducati, Kawasaki, KTM, Moto Guzzi, Suzuki and Yamaha, and exports its products to more than 65 countries.
www.partseurope.eu
www.sw-motech.com

New Venue for The One Motorcycle Show

See See Motor Coffee Company, which operates the One Motorcycle Show (the One Show), has announced that the 11th annual edition of its motorcycle art show, race and cultural celebration of singular renown will move to Veterans Memorial Coliseum in Portland, Oregon. The iconic venue, designed by Skidmore, Owings & Merrill, opened in 1960 and is considered a masterwork of mid-century modern architecture and gives the One Show five times the space it had last year. The move to the 197,000 sq ft venue

puts all events for the 2020 One Show in one place for the first time. That includes the gallery of more than 200 customized motorbikes representing all eras, which is the heart and soul of the show, more than 50 artists, Saturday's professional and amateur flat track races, four concerts, and more than 80 gear and apparel brands coming together to keep classic motorcycle culture alive. The One Show runs from Thursday, February 7 to Sunday, February 9, 2020. Indian Motorcycle will support the show as its headline sponsor.

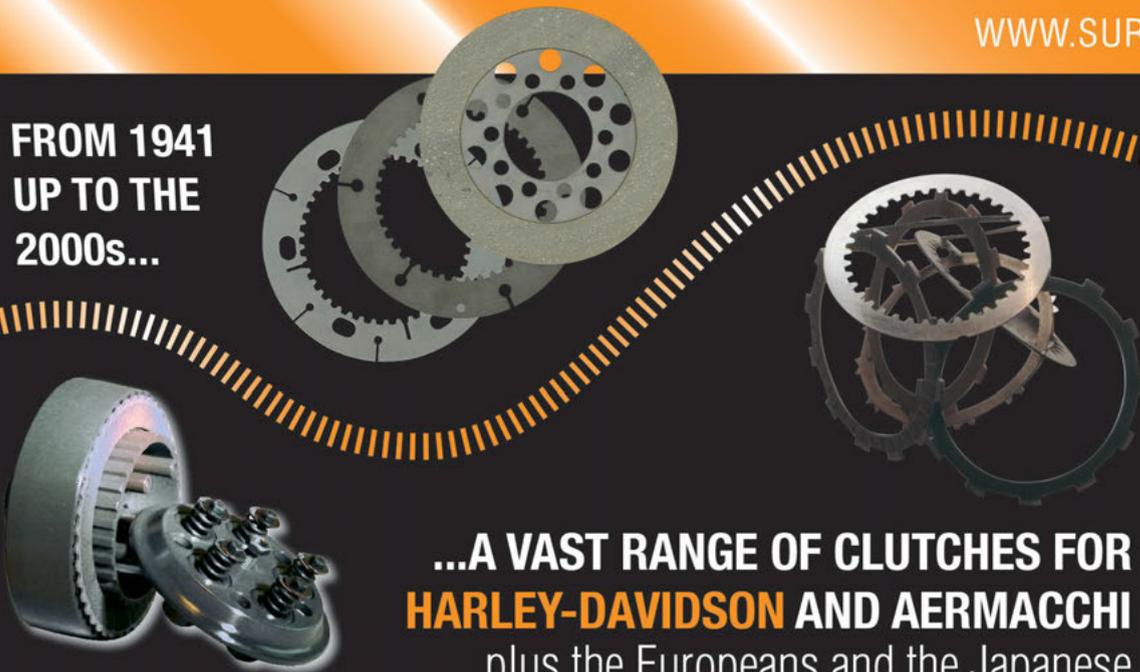


"We built the One Show as a bonfire stoked by motorcycles as art, sport and culture. This leap to the Memorial Coliseum makes room for more attendees, which was needed, and the message now more than ever is that everyone is welcome," said Thor Drake, founder of the One Motorcycle Show. "The One Show is for riders,

non-riders, moto-curious, and everyone in between — young and old. It's a celebration." The organizers say they anticipate 200 custom motorcycles, 50 artists, 80 vendors, six bands and 60K attendees at the 11th annual show. The Pro and amateur flat track races move onsite and include 15 classifications and a \$10K purse.

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Hines Claims Record Sixth Title and 10th Championship



Hines claims his record sixth title and 10th championship for the Harley-Davidson Screamin' Eagle/Vance & Hines drag racing team.

Harley-Davidson Screamin' Eagle/Vance & Hines rider Andrew Hines was crowned the 2019 NHRA Mello Yello Pro Stock Motorcycle drag racing champion following a day of drama at the Auto Club NHRA Finals at Auto Club Raceway in Pomona, California, in November.

After fouling in the first round of eliminations, Hines watched from the pits as the two other contenders for the championship advanced to the semi-finals before also being eliminated, leaving Hines with the points he needed to wrap up a dominating season with his sixth NHRA Pro Stock Motorcycle title and the 10th championship for the Harley-Davidson Screamin' Eagle/Vance & Hines team.

Hines (2004-06, 2014-15, and 2019) is the second rider to win six NHRA Pro Stock Motorcycle championships, matching the record set by the late Hall of Fame racer Dave Schultz, who won the title six times between 1987 and 1996. Hines is one of only ten



Andrew Hines celebrates while being pushed by crewman Mike Mullaney.

competitors in NHRA history to win six championships. In 17 seasons racing for the Harley-Davidson Screamin' Eagle/Vance & Hines team, Hines has won 56 finals, also a record for the class. The 2019 championship caps a 16-race season that saw Hines dominate the class aboard his Harley-Davidson FXDR drag bike, taking eight victories in ten final-round appearances and earning the number-one seed for the countdown to the championship playoffs.

"The Harley-Davidson Screamin' Eagle/Vance & Hines team races competition drag bikes inspired by the Harley-Davidson FXDR 114, a performance cruiser based on the Softail platform that combines the unrelenting power of the Milwaukee-



Eight 114 engine with the liberal use of alloy and composite components to maximize acceleration, braking and handling performance. The FXDR drag bikes made a dominating mid-season debut in July at the Dodge Mile-High NHRA Nationals near Denver, where Hines and teammate Ed Krawiec stormed through the Pro Stock Motorcycle field and staged an all-Harley final, which was won by Hines. Hines qualified fourth for the NHRA Finals in Pomona with an elapsed time (ET) of 6.845 seconds at 196.22 mph. Harley-Davidson Screamin' Eagle/Vance & Hines riders Krawiec and Angelle Sampey qualified in seventh and 10th positions respectively - Krawiec lost to Sampey in the first round of eliminations, and Sampey was eliminated in round two. For the season, Hines led the Pro Stock Motorcycle field with 2,599 points and eight wins in ten final-round appearances and was the number-one qualifier two times. Krawiec, a four-time Pro Stock Motorcycle champion (2008, 2011-12, 2017) finished in fifth place with 2,474 points after making seven final-round appearances and claiming the top qualifier position three times. Sampey, a three-time Pro Stock Motorcycle champion (2000-02) completed her first season with the Harley-Davidson Screamin' Eagle/Vance & Hines team in seventh place with 2,381 points and was twice the top qualifier for a race.

NEWS BRIEFS

Michelin has signed an agreement to acquire 80% of PT Multistrada Arah Sarana TBK ("Multistrada"), a tire manufacturer based in Indonesia. Michelin will pay USD 439m for the controlling stake. With a production capacity of more than 180 thousand tons (i.e., 11 million passenger car tires, 9 million two-wheel tires and 250 thousand truck tires), Multistrada generated net sales of USD 281 million in 2017. With this transaction, Michelin will strengthen its presence in the highly promising but local-production dominated Indonesian market by acquiring a very competitive local plant with good quality facilities and immediately available production capacity.



AMA has announced two new extreme off-road series - nine events in two qualifying series "provide more opportunities to secure a spot in the 2020 AMA Extreme Off-Road Grand Championship, the Tennessee Knockout on Aug. 14-16" - the new format and additional events open up 26 more spots at the TKO.

The International Federation of Robotics (IFR) has announced that South Korea has doubled the number of industrial robots it has in operation within the past five years to 300,000 and now ranks third globally behind Japan and China.

Sources: AMD, IDN, FT, Reuters, PSB, MPN, B&B, BDN, MCN, AP, Bloomberg, MSNW, Electrek

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Dates/venues subject to change or cancellation. (*) Some dates provisional. "Check before you buy"

SHOW ZONE

JANUARY

Motor Bike Expo

Verona, Italy • Jan 16-19

MC Massan

Gothenburg, Sweden • Jan 24-26

IMS - J&P Ultimate Builder

Cleveland, OH, USA • Jan 24-26

IMS - J&P Ultimate Builder

Minneapolis, MN, USA • Jan 31-Feb 2

FEBRUARY

IMS - J&P Ultimate Builder

Chicago, IL, USA • Feb 7-9

The One Show

Portland, OR, USA • Feb 7-9

Garage Brewed

Cincinnati, OH, USA • Feb 8

Salon Du 2 Roues

Lyon, France • Feb 13-14

MOTORbeurs

Utrecht, Netherlands • Feb 20-23

Swiss Custom

Zurich, Switzerland • Feb 20-23

Hamburger Motorrad Tage

Hamburg, Germany • February 21-23

MARCH

Roma Moto Days

Rome, Italy • March 5-8

Motorraeder Dortmund

Dortmund, Germany • March 5-8

Czech Custom Grand Prix MotoSalon

Prague, Czech Republic • March 5-8

Motorama Madrid

Madrid, Spain • March 6-8

Motorraeder & Roller

Magdeburg, Germany • March 7-8

Mama Tried

Milwaukee, WI, USA • March 13-15

Tokyo Motorcycle Show

Tokyo, Japan • March 27-29

Donnie Smith Bike & Car Show

Saint Paul, MN, USA • March 28-29

Salon de la Moto Pecquencourt

Pecquencourt, France • March 28-29

APRIL

Custom Show Emirates

Abu Dhabi, UAE • April 2-5

Moscow Custom & Tuning Show

Moscow, Russia • April 3-5

Handbuilt

Austin, TX, USA • April 3-5

Toronto International Spring MC Show

Toronto, Canada • April 4-5

Billsport Performance & Custom Show

Jonkoping, Sweden • April 10-13

Motorcycle Taiwan

Taipei, Taiwan • April 15-18

Vive La Moto

Madrid, Spain • April 16-19

*Laughlin River Run

Laughlin, NV, USA • April 23-26

Harley Launches Major Support for 2020 AFT Production Twins

Harley has announced a major increase in their support of AFT's Production Twins class. For the first time authorized Harley dealerships will now have the race-proven XG750R available for purchase, "ensuring that more competitors will field these race-winning machines during the 2020 AFT season".

Harley has also announced a \$250,000 contingency package. "As we celebrate the 50th anniversary of the Harley-Davidson XG750 next season, this expanded pledge of support shows our lasting commitment to the sport of flat track," said Jon Bekefy, GM of Brand Marketing for Harley-Davidson. "Harley-Davidson dealerships fielding



the XG750R will provide an opportunity for our community to rally behind this great American sport." In 2019 there were "moments of brilliance" for riders on the XGR750R during the Production Twins season,

with Dalton Gauthier and James Rispoli making regular podium appearances and scoring two wins aboard a privateer XG750R backed by Black Hills Harley-Davidson.

With \$7,500 awarded to XG750R riders for each AFT Production Twins race win, plus a \$25,000 championship bonus on the line, the contingency package offered by Harley is structured so that a total of \$15,000 will be up for grabs to XG750R riders at each AFT Production Twins round in 2020.

The XG750R is available for purchase for \$35,999 and deliveries will begin immediately. Supply is limited and priority will be given to dealerships.

www.americanflattrack.com

Harley-Davidson SuperTwins Roster

Harley-Davidson has announced its rider roster for the 2020 AFT Super Twins series with reigning AFT Singles champion Dalton Gauthier joining veteran Jarod Vanderkooi as the newly-strengthened factory effort. Additionally, Ricky Howerton and former AFT Twins champion Bryan Smith will also be backed by Harley-Davidson and Vance & Hines in 2020.

"The championship-winning duo of Howerton/Smith aim to use their developmental prowess to bring the orange and black to the front in 2020. Howerton - backed by the unparalleled expertise of Vance & Hines Motorsports - will be charged with the tuning, set-up and

technical refinement of the XG750R.

"Despite his hiatus from the sport in 2018, Gauthier quickly became the man to beat in the 2019 AFT Singles championship hunt. The diversely talented athlete further displayed his versatility (and a natural finesse on a Harley-Davidson) as he joined the Black Hills Harley-Davidson AFT Production Twins effort and later led it to victory at the legendary Springfield Mile in August."

Michael Lock, CEO of American Flat Track, commented that "2020 is shaping up to be a banner year for our sport. Harley-Davidson's and Vance & Hines' boosted commitment to the series and their support for



both the inaugural AFT SuperTwins season promises to ratchet up excitement over the coming months."

American Flat Track will kick off its highly-anticipated 2020 season with the first-ever DAYTONA 200 and DAYTONA TT Doubleheader at Daytona International Speedway at the peak of Daytona Bike Week on Saturday, March 14, 2020.

www.americanflattrack.com

Michelin Commander III



Building on the success of its Commander II, Michelin's new Commander III line-up for V-twin Cruisers and Touring bikes will be available for purchase starting in January 2020 and is "designed to deliver exceptional wet grip and extraordinary durability.

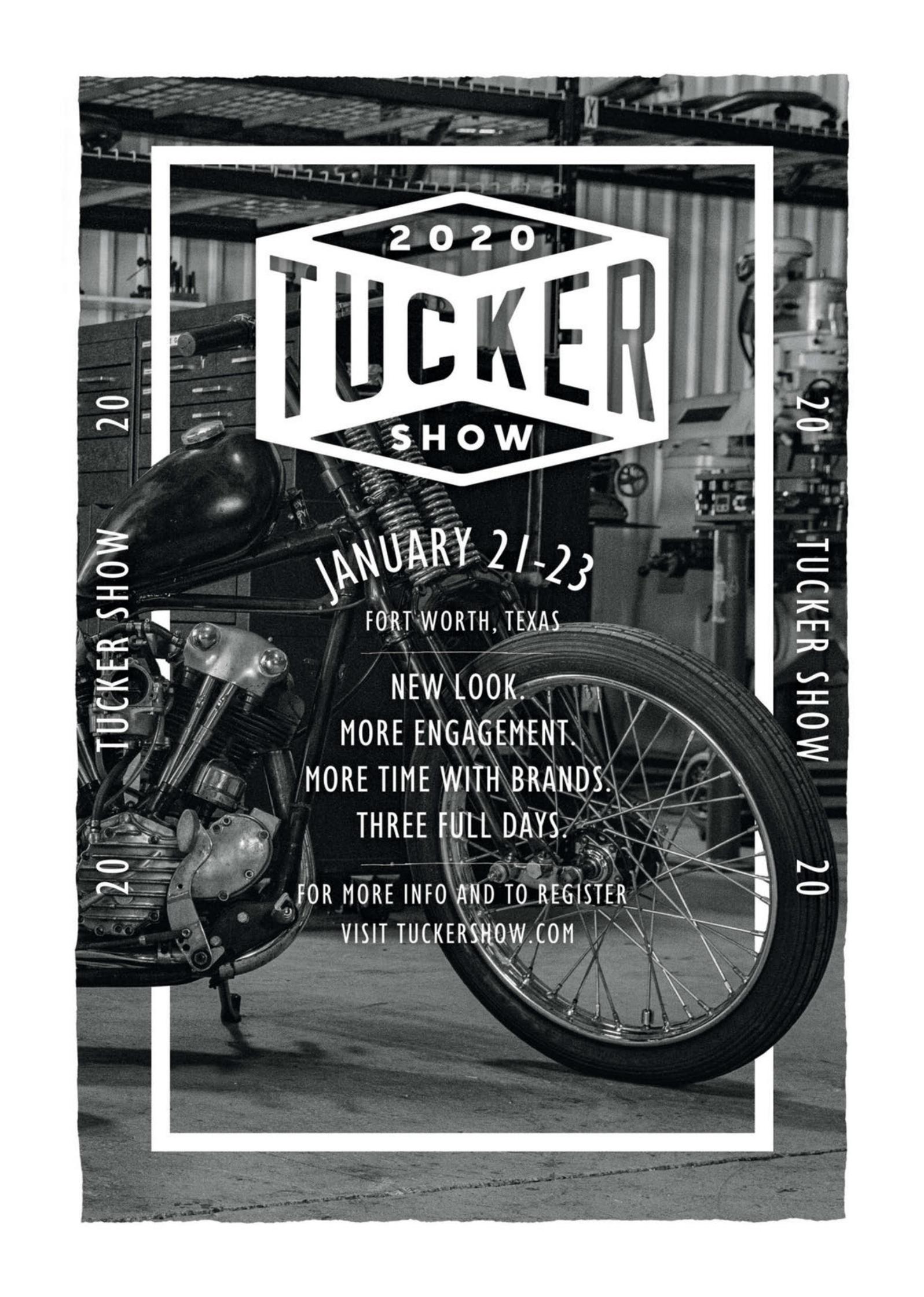
"The Commander III Touring tire is designed to go the distance for Baggers with excellent wet grip and longevity that is designed to exceed its predecessor with new tread compounds engineered to deliver outstanding wet grip without



compromising longevity." Features include distinctive tread patterns and patented velvet sidewall designs.

"Michelin developed this tire line to optimize riding enjoyment with a focus on improving the tread life and wet grip versus the already widely accepted Commander II tire line," said Shane Messner, Director of Two-Wheel at Michelin North America. "The commitment to 'Michelin Total Performance' makes the Commander III tire line the trusted choice for the V-twin community."

Continued on page 24



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SHOW ZONE

MAY

- H-D Euro Festival**
Port Grimaud, France • May 7-10
- Myrtle Beach Bike Week**
Myrtle Beach, SC, USA • May 8-17
- Biker Fest**
Lignano Sabbiadoro, Italy • May 21-25
- Concorso d'Eleganza Villa d'Este**
Lake Como, Italy • May 22-24
- *Bike Shed**
London, GB • May 23-24
- FH-DCE Super Rally**
Oland, Sweden • May 27-31
- Bike & Art Moto Brasil**
Rio de Janeiro, Brazil • May 28-31
- Euro Bike Fest**
Pasohlavky, Czech Republic • May 28-31
- Gerardmer Motordays**
Gerardmer, France • May 29-31

JUNE

- Isle of Man TT**
Isle of Man, GB • May 31-Jun 14
- Street Vibrations Spring Rally**
Sparks, NV, USA • Jun 5-7
- Custom Bike Show**
Norrtälje, Sweden • Jun 6
- Wheels & Waves**
Biarritz, France • June 10-14
- Magic-Bike-Rally**
Rüdesheim am Rhein, Germany • June 11-14
- Republic of Texas**
Austin, TX, USA • June 11-14
- Laconia Motorcycle Week**
Laconia, NH, USA • June 13-21
- European H.O.G. Rally**
Portoroz, Slovenia • June 18-21
- Hamburg Harley Days**
Hamburg, Germany • June 26-28
- Punta Bagna Valloire**
Valloire, France • June 26-28
- Born Free**
Silverado, CA, USA • June 27-28
- Pikes Peak International Hill Climb**
Colorado, USA • June 28

JULY

- Prague Harley Days**
Prague, Czech Republic • July 3-4
- American Tours Festival**
Tours, France • July 3-5
- Custombike Summer Days**
Mannheim, Germany • July 17-19
- World Ducati Week**
Misano, Italy • July 17-19
- Fuel Cleveland**
Cleveland, OH, USA • July 25
- Bike and Music Weekend**
Geiselwind, Germany • July 30-Aug 2
- Polish Bike Week**
Karpacz, Poland • July 30-Aug 2

More Roads - "Beckoning a New Era of Middleweight Capability"

Following the appearance of prototypes at EICMA, Milan, in early November 2019 and subsequently at the Progressive International Motorcycle Show at Long Beach, California, later that month, Harley-Davidson has now formally press released and confirmed launch timings for the next new models outlined in its 2018 'More Roads' strategic plan. Described as "performance and attitude," both models, the 1,250cc 'Pan America' Adventure Touring and 750 cc 'Bronx' Streetfighter, will debut with all-new 60-degree 'Revolution Max' liquid-cooled V-twin engines and hit showroom floors in late 2020. Created to power a range of new Harley-Davidson models, the 'Revolution Max' is "designed to offer flexible performance with a broad powerband that builds to a surge of high rpm power. Minimizing weight and maximizing performance, the 'Revolution Max' provides a narrow powertrain profile that is integrated into the motorcycle as a stressed member of the frame to enhance center of gravity and handling."

The fully balanced powertrain has an internal counter balancer that "mitigates primary engine vibration to enhance rider comfort and improve vehicle durability. Its design is bold and contoured, classic and contemporary, strong and svelte - a representation of Harley-Davidson performance and style." The 60-degree vee angle of the cylinders "provides space for

'REVOLUTION MAX' 1,250 ENGINE PERFORMANCE TARGETS

- Displacement 1,250 cc
- More than 145 horsepower
- More than 90 ft. lbs. peak torque

'REVOLUTION MAX' 975 ENGINE PERFORMANCE TARGETS

- Displacement 975 cc
- More than 115 horsepower
- More than 70 ft. lbs. peak torque



PAN AMERICA

"The Harley-Davidson Pan America is an all-new advanced adventure touring multi-purpose motorcycle, in equal parts campfire, wanderlust and grit - a two-wheel multi-tool built to endure, designed to explore, and engineered for the unknown."



BRONX

"The all-new Bronx middleweight streetfighter model rolls with an unapologetic attitude and performance to match."



dual downdraft throttle bodies that maximize air flow and increase performance. Liquid cooling maintains a controlled engine temperature for consistent performance in changing environmental and riding situations.

"To optimize performance of the new Pan America and Bronx models," Harley says it "tapped

into the expertise of world class component manufacturers to deliver bespoke solutions for braking and tire performance. "For braking, Harley-Davidson collaborated with Brembo to create a new radial monoblock four-piston caliper that combines sharp edges with softer curves designed to create a style that complements the personality of the bike and delivers outstanding braking feel and capability. "For tires, Michelin and Harley-Davidson have worked closely to develop co-branded tires for each motorcycle model that optimize performance, feel and grip in all conditions.

Continued from page 22

Harley eBicycles



Overshadowed by the launch of LiveWire, the Harley dealer convention in Milwaukee in August also saw an update on another of Harley's 'More Roads' to electrification with the official unveiling of its planned line-up of electric bicycles. Though seen here as "future concept" prototypes still, with no confirmed production and dealer ship date yet confirmed, the company is planning three models described as "two step-over city style e-bikes and one more step-through frame." Harley says that these first electric pedal-assist bicycles are "light, fast and easy for anyone to ride. Designed to shine in urban environments, this all-new line of eBicycles is just one

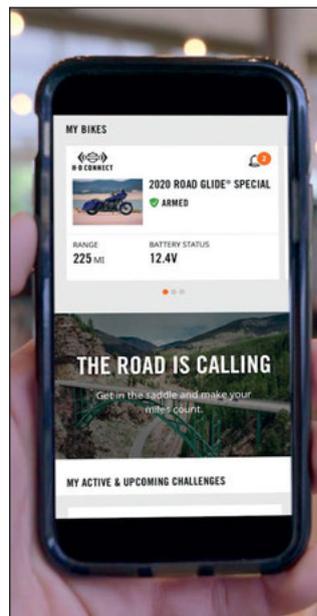
more example of how Harley-Davidson's 'More Roads' initiative is actively working to inspire a new generation of two-wheeled riders around the world." Commenting on the apparent design and tech of the platforms, specialist electric vehicle blog Electrek said: "First of all, we see the standard e-bike parts. There's a mid-drive motor down by the cranks, though it's a bit blockier than I would have expected. That chunky down tube very well may be holding the battery, or it could be integrated into the brick above the motor. "Either way, there's not a ton of battery space on those bikes - along with the serious cycling

saddles and lack of cruiser-style pedal forward geometry, that's likely a hint that these will be pedal-assist electric bicycles that require some user pedal input to engage the motor, not throttle-only e-bikes. "There appears to only be one brake lever on each electric bike, and while one brake lever is a standard affair for motorcycles, it's pretty rare on bicycles outside of coaster brake cruisers - and it's nearly unheard of on electric bicycles," perhaps hinting at a reverse pedal engaged foot brake, but Electrek says that "the hydraulic disc brakes we see on these bikes wouldn't be optimized for that type of braking, so maybe there'll be a linked hydraulic brake system."

Panasonic OneConnect a Standard Feature on Selected 2020 Touring Models

Selected 2020 Harley-Davidson Touring motorcycle models will be equipped with H-D Connect Service, "designed to enhance the motorcycle experience by connecting riders to their motorcycle through a cellular connection to the Telematics Control Unit (TCU), utilizing Panasonic's OneConnect service." Initially announced as a feature for LiveWire connectivity, the Panasonic OneConnect service "complements the latest version of the Harley-Davidson app and the new Harley-Davidson Connect service. Together, these systems introduce subscription-based cellular connectivity to equipped Harley-Davidson motorcycles to keep riders

connected to their motorcycle through their smartphone. "The H-D Connect service utilizing Panasonic's OneConnect allows owners to connect remotely to their motorcycle to view key vehicle health information. It also provides the owner with reassurance of being able to remotely monitor their motorcycle's security. "H-D Connect Service is a standard feature for 2020 Touring (except Road King/S and Electra Glide Standard models), Tri Glide Ultra and CVO models, as well as the LiveWire. Features include motorcycle status, tamper alerts and stolen vehicle tracking service, automated service reminders and notifications.



SHOW ZONE

AUGUST

Sturgis Motorcycle Rally
Sturgis, SD, USA • Aug 7-16

Bonneville Motorcycle Speed Trials
Bonneville, UT, USA • Aug 29-Sep 3

SEPTEMBER

Wharf Rat Rally
Digby, Canada • Sep 2-6

Glemseck 101
Leonberg, Germany • September 4-6

European Bike Week
Faaker See, Austria • Sep 8-13

Cherokee Blue Ridge Run
NC, USA • Sep 11-13

New Order Chopper Show
Kobe, Japan • Sep 20

OCTOBER

Mondial de la Moto
Paris, France • Oct 1-11

AIMExpo
Columbus, OH, USA • Oct 1-4

Artistry in Iron
Las Vegas, NV, USA • Oct 1-4



INTERMOT
Cologne, Germany • October 6-11



AMD World Championship of Custom Bike Building
Cologne, Germany • October 6-11

Biketoberfest
Daytona Beach, FL, USA • Oct 15-18

Motorcycle Trade Expo
Stoneleigh Park, UK • Oct 18-20

Oslo Motor Show
Oslo, Norway • Oct 23-25

NOVEMBER

SEMA
Las Vegas, NV, USA • Nov 3-6

EICMA
Milan, Italy • Nov 3-8

***Bigtwin Bikeshow & Expo**
Houten, Netherlands • Nov 5-8

***Salao Duas Rodas**
Sao Paulo, Brazil • Nov 17-22

DECEMBER

Custombike
Bad Salzflun, Germany • Dec 4-6

***Yokohama Hot Rod Custom Show**
Yokohama, Japan • Dec 6

Dates/venues subject to change or cancellation. (*) Some dates provisional. "Check before you buy"

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AMERICAN V-TWIN PRODUCTS

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BANDIT



HIGH 5



HIGH ROLLER

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Le Pera 'KickFlip' for Dyna

Last month we featured Le Pera's new 'TailWhip' design for Dyna applications, but here is the popular 'KickFlip' design from which that was evolved.

This version is their 'KickFlip' Daddy Long Legs for taller riders. Along with the maximized back support and 11" of ample seating area, the Daddy Long Legs will move the rider back by approximately 2" compared to the original 'KickFlip'. It is



available for '06-'17 Dynas and '08-up Baggers. Standard options include Diamond, Pleated Basket Weave, Diamond Gripp and Pleated Gripp tape for traction. Still handcrafting all its seats at its North Hollywood, California headquarters after more than 45 years as the market's design leader, Le Pera seats feature a powder-coated steel base plate, a specially poured high density "Marathon" molded foam foundation and double-stitched, handcrafted cover with bonded polyester thread for durability.

LE PERA ENTERPRISES
North Hollywood, California, USA
Tel: 818 767 5110
info@lepera.com
www.lepera.com



'Arcade' Sound Control Exhaust Options for FTR 1200

Dutch exhaust sound control specialist Dr. Jekyll & Mr. Hyde has developed what it says is the first and only electronically adjustable exhaust system for the FTR 1200.

Especially designed for the FTR 1200 by noted Turkish industrial designer Mehmet Doruk Erdem, 'The Arcade' is a sporty 2-into-1 exhaust that comes in an upper and lower version, with three different performance modes - the Dr. Jekyll mode, the Mr. Hyde mode and the Dynamic mode.

Available in titanium or black, riders can tune their ride, choosing the desired riding mode, and opt for either the upper or lower design version depending on the look they want to achieve, and between two end caps, available in three finishes - aluminum, black and bronze.

Dr. Jekyll & Mr. Hyde has exhaust system options for the whole of the Indian Motorcycle range.



THE JEKILL & HYDE COMPANY
Belfeld (Venlo), NETHERLANDS
Tel: +31 (0)77 308 1070
info@jekillandhyde.com
www.jekillandhyde.com

Lifter Holders

Known for enhancing the performance of Harley-Davidsons with its engine performance packages, in April this year we featured new direct bolt-in M-8 cams from Derek Churchwell's DC V-Twin Performance - cams that Derek says deliver almost a 25% gain in horsepower and 20% torque gain when



coupled with an aftermarket exhaust and air cleaner. The latest news from the Perry, Georgia based specialist is of newly designed DC V-Twin lifter holders. "They work great for Harley-Davidson Twin Cam and Milwaukee-Eight engines," says Derek.

"These high-tech lifter holders get the job done fast and efficiently every time. Features include rare earth magnets made with neodymium - these are the strongest magnets available for their size and also have a nickel-plated finish to help resist corrosion."

A thumb screw has been incorporated into these unique lifter holders to raise the lifters to the proper height for cam removal and installation.

DC V-Twin
Perry, GA, USA
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www.dcvtwin.com

New Year, New Parts

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Black & Copper



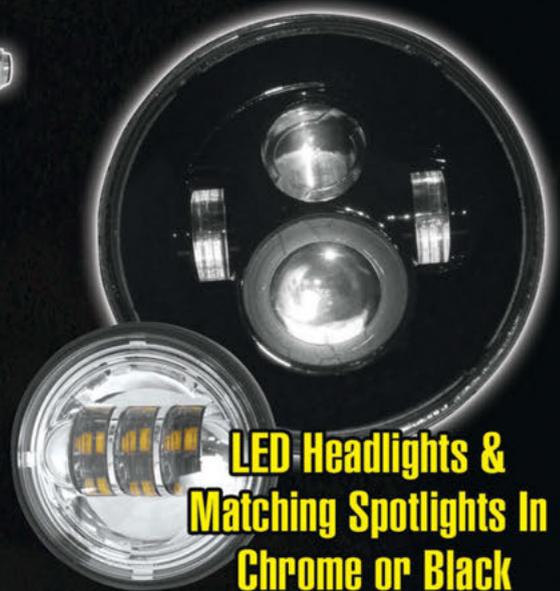
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For Touring Models



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Available In Black or Chrome



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Lane Splitter and Gringo S Helmets

"Up to 18 colorways, two styles, one brand." The 2020 Biltwell DOT/ECE standard approved Lane Splitter and Gringo S helmets line-up features 18 and 16 colorways respectively each, with six new options in both lines.

Options include all-new hinge hardware kits in a range of colors and finishes, improved shields in a range of color options and a selection of cheek pad sets.

"Better looking, more comfortable and feature-packed than ever, these classic full-face helmets boast yesterday's style with tomorrow's technology - and are in stock to ship to dealers now!"

BILTWELL INC.
 Temecula, California, USA
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service@biltwellinc.com
www.biltwellinc.com



Lane Splitter



Factory Gloss Black/Gold



Gloss Hazard Orange



Gloss Tahoe Blue

Gringo S



Gloss Black Spectrum



Metallic Yukon Gold



Gloss Sage Green

JIMS M-8 Forceflow Mounting Kit

The M-8 Softail uses the center motor mount location to mount the coil. In order to install a JIMS Forceflow on these motorcycles, it is necessary to relocate the coil.

JIMS has developed a turnkey coil relocation system to move the coil to the front of the motorcycle, inconspicuously tucked underneath the neck of the bike, in between the frame tubes. This new mounting system allows the JIMS Forceflow to be installed on all M-8 Softails.

The JIMS Forceflow has a smooth, streamlined design that will keep the engine running cooler - this proven cooling system drops the cylinder head temperature by as much as 100 degrees. The cooling fan can be

controlled manually, or it can be regulated by a thermostat that monitors head temperature and activates the fan when the engine temperature rises.

This complete bolt-in kit is highly recommended for performance engines to help extend engine life. It includes a high powered fan, housing with incorporated horn, thermostat, coil relocation kit with plug wires, all necessary hardware, wiring and detailed instructions. The kit is available



in a choice of Hog Black or chrome.

JIMS
 Camarillo, California, USA
 Tel: 805 482 6913
sales@jimsusa.com
www.jimsusa.com

CCE Additions

Ness Teardrop Style Turn Signal



This teardrop style turn signal features 24 hi-intensity LED bulbs in a CNC-machined billet aluminum housing with a smoked lens. The teardrop design measures 1" in diameter by 1 1/2" long; the fluted design, also seen here, is 1" in diameter by 1 3/8".

Each light includes a 5/16 in-24 threaded stud. Available in chrome or black anodized.

Ness Billet Bullet Fluted LED Turn Signals



Featuring 24 hi-intensity LED bulbs, housings are CNC-machined from billet aluminum with a smoked lens, the fluted design measures 1" in diameter x 1 3/8". Each dual filament light includes a 5/16"-24 threaded stud; available in black anodized or chrome finish.

OEM Style Spoke Wheels

These stock replacement 40-spoke tube type wheel assemblies are available in chrome or black powder-coat finish for most OEM replacement applications -



fronts from 16" x 3.00" to 19" x 2.15" with 19" x 2.5" and 17" x 4.50" also available; rears from 16" x 3.00" to 17" x 4.50" with 19" x 2.5" and 21" x 2.15" also available. Features include pre-installed bearings; options include with or without ABS.

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Early and Late Model Touring bikes
and Indian cruisers.

HHI RENEGADE
Custom Motorcycle Wheels

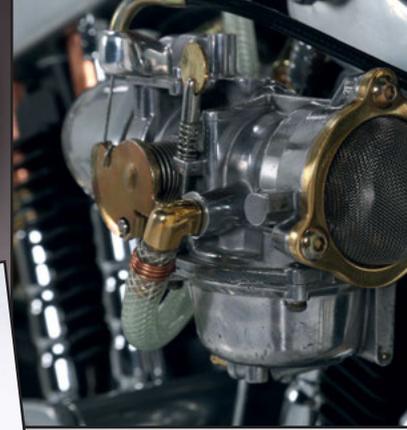
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Tempest and Force Wheels

- 18", 21" and 23" x 5.5" Wide
- In Black or Chrome



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Racz Arpad Dorin of Anarchy Custom in Romania burst onto the AMD World Championship scene in 2016 with 'El Lunes', a 2004 883 Sportster engine rigid. Aged just 23 years old at the time, he backed that up with a 9th place in the Avon Freestyle Class in 2018 with 'Rise of Anarchy' - a superb 1973 XL 1000 with the Ironhead transmission and an "extra hard" clutch in a handmade 40-degree rake rigid frame with a custom springer front end. Racz explained that "this is our vision of what an Ironhead based boardtracker could

have looked like. We've given the Ironhead Sportster engine an upgrade to an 1,100 cc stroker with homemade cylinders, high compression pistons, bigger valves, high lift cams, custom manifold, ported and polished heads, and EMD engine covers." The one of a kind front end and custom frame are designed to evoke a 1920s/1930s boardtracker feel, but the Ironhead engine and transmission have the additional twist of how a retro boardtracker conversion may

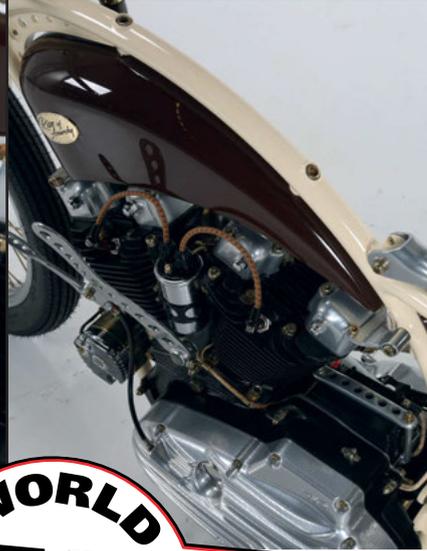
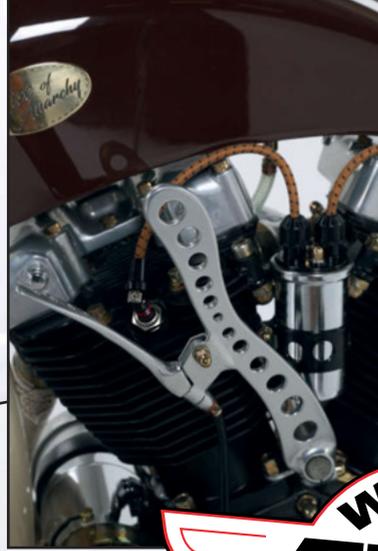
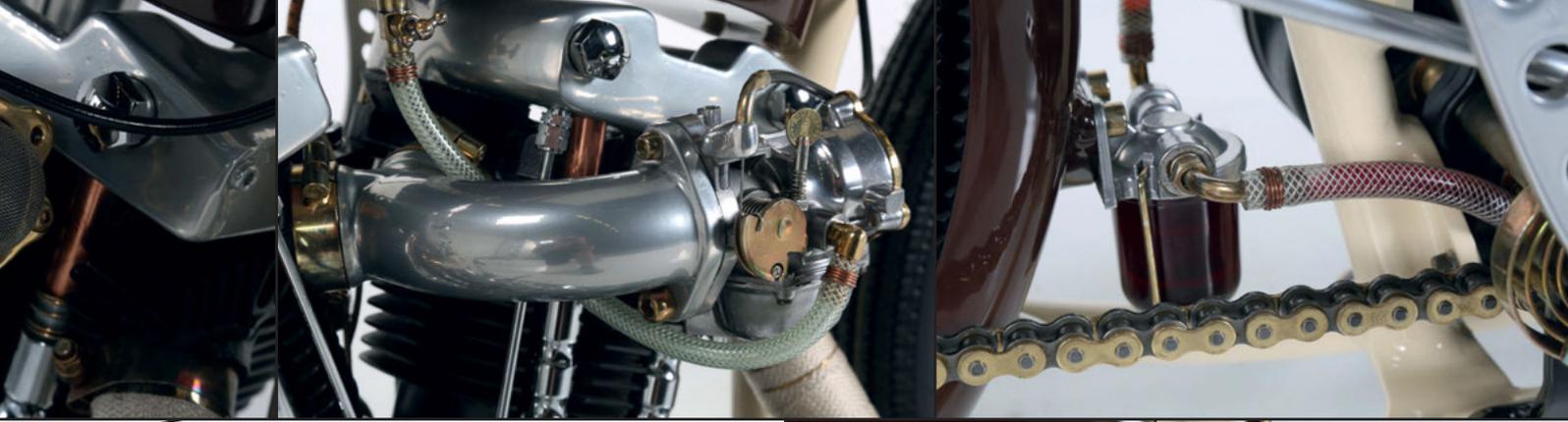
have looked if built in the 1970s, when the still admired and

respected XL 1000 engine was at the cutting edge of Harley's 45-degree air-cooled V-twin achievements. Almost all the parts are handmade by Racz and his team at Anarchy Custom, including the gas tank, oil tank, exhaust system, frame, handlebars and front fork. The front wheel is a 21" from an old enduro bike with a custom hub and an 18" Ironhead rear wheel with hub brake.

anarchy-custom.blogspot.com

Words by Robin Bradley;
pictures by Onno Wieringa/
Madness Photography







WMBO2V2

Rear Twin Shocks

Spring preload

Available in: Dark Edition
& Chrome Edition

Optional: black and
chrome spring covers

WME03

Rear Twin Shocks

Rebound
Spring preload

Available in: Dark Edition
& Chrome Edition

Optional: black and
chrome spring covers



WMT02

Rear Twin Shocks

Compression 12 clicks

Rebound 5 or 7 clicks

Spring preload

Available in Dark Edition &
Chrome Edition and with
adjustable length WMT12
and longer length WMT72

WNE

Rear Twin Shocks

Rebound
Spring preload

Available with full covers



Motorcycle Storehouse Additions

M-8 High Volume Oil Pump

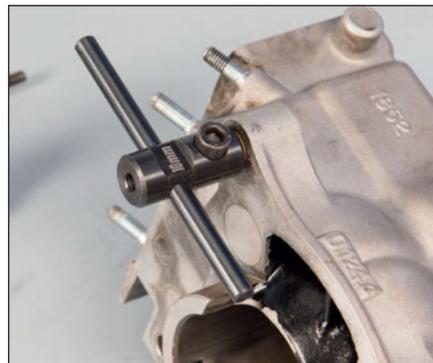


This replacement high volume oil pump for M-8 air/oil cooled models features a larger feed and return gerotor assembly, rear cover and relief valve and spring. It improves feed by +126%/123% and scavenge +131%/146% at 1,000 rpm/2,500 rpm compared with the OEM 4th generation M-8 pumps. Ready to install and complete with instructions, it is available for '18-'19 Softail and '17-'19 Touring (excluding the water cooled models).

Motion Pro - New Tools



Californian specialist Motion Pro (the official cables, controls and tools vendor to the AFT race series) continues to release a seemingly continuous flow of labor savers and new ideas for V-twins of all ages. Seen here is a tapered steering head race puller designed for 47 to 52 mm OD races, a steering head race driver for 41-42, 47-48, 51-52 and 55-56 mm OD races, and a new shock bearing puller that removes and installs 24 mm OD bearings.



To remove stubborn dowel pins from crankcases and transmission cases, the kit seen here includes 8, 10, 12 and 14 mm pin collets (with 12.5, 13.8, 17, 19 and 21 mm separately available) that allow for strong clamping of dowel pins, as well as a puller rod for stuck pins, and a slide hammer attachment for those really, really stuck pins!

Roeg 2020 Helmet Collection



The Roeg Moto Co. 2020 helmet collection includes the retro styled, handfinished, ECE approved full-face Peruna helmets and revered open-face Jets - "now available in no less than twenty happy, shiny colors (yes, black can be happy too!). Whether you're a 'Hot Jalapeno Green' kinda guy or a 'Flaming Red' gal, you'll be sure to stand out from the grey and gloomy clones."

Knipex Pliers



German tool manufacturer Knipex is an established plier specialist noted for the "finest quality available for the professional market. At this level, quality outweighs pricing, and even for a non-professional, the feeling of a quality tool stays when the higher price is long forgotten."

Originally founded as a forge in 1882 and still in 4th generation family ownership, everything from design to final manufacturing is done in-house at the Knipex facility in Wuppertal, Germany. Product offerings include a wide range of pliers, as well as wire strippers, crimping tools and VDE (Verband der Elektrotechnik) insulated pliers that conform to IEC 60900DIN, EN 60900 and VDE 0680. These VDE approved tools are individually tested at 10,000V and ensure safe working up to 1,000 volts.

MOTORCYCLE STOREHOUSE

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Braided Softail Dual Disc ABS Brake Lines

Brake line manufacturer Magnum Shielding has introduced lower brake line assemblies designed for 2018 and up Softail models equipped with ABS dual disc brakes.

The DOT compliant brake line assemblies are manufactured with enhanced constructions designed to be compatible with H-D ABS requirements for stock and alternate length brake lines. "This provides the ultimate in high performance by greatly reducing line expansion for safe and reliable braking."

The kits consist of a direct fit lower assembly used with alternative length upper lines - stock through plus ten inches. The use of a -3AN connection eliminates the need for the adapters that are normally used with 2018 plus Softail models. A

Magnum upper brake line is required to make the connection from the lower brake line assembly to the master cylinder.

Magnum's Designer Series ABS upper and lower brake lines are offered separately with either Sterling Chromite II or Black Pearl premium signature braids, and the matching 12 mm upper brake lines have a choice of 35 or 90 degree banjo angles to ensure a great fit. These brake

lines are manufactured with PTFE inner tubing, DuPont Kevlar aramid fiber, and a crystal clear outer PVC jacket.

"As a lower price point alternative to the Designer Series, the XR Stainless brake lines incorporate PTFE inner tubing braided with heavy duty, stainless steel reinforcement embedded in a tough nylon outer jacket.

"Economically priced XR Stainless DOT brake lines are sold as a kit that includes the ABS dual disc lower and a 12 mm upper brake that has the stock banjo angle of 35 degrees. XR Stainless brake lines are available in either clear coated stainless braid with chrome fittings or black coated stainless line with a choice of either chrome or black



chrome plated fittings."

Both the Designer Series and XR Stainless upper brake lines are available individually for use with an adapter if the lower line is not being replaced.

Magnum Shielding has been a Tier-1 manufacturer of matching braided products for over 37 years, including brake lines, control cable and ignition wires. Every Magnum Shielding brake line is compliant with all DOT FMVSS-106 specifications and assembled in the USA.



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Bitubo 'DigiShox' Custom Kit for 2020 Softail and Touring models

Last year saw Italian suspension manufacturer Bitubo add to the applications available for its popular DS ('DigiShox') electronic suspension system with fitments for Harley models. The company now says that its R&D team have validated the system for 2020 Softail and Touring models.

Operated from a smartphone app, the DS system consists of Bitubo's proven and multi-patented ECH cartridges, its XXF rear mono shock and a Bluetooth control unit. The control display indicates the status of the settings in use from a choice of twelve available suspension tuning options.

A button allows the rider to choose the set-up that suits his or her riding style and load, while an E-lean drop sensor and a GPS sensor determine speed, with the value used to adapt the suspension's setting automatically whenever required by the rider.

The Bitubo ECH cartridge kit is equipped with hydraulic adjustment of the manual spring preload and electronic adjustment of compression and rebound. Bitubo XXF mono shocks are equipped with electronic adjustment of rebound, compression and preload.

Bitubo says that using "the smallest and most efficient micromotors ever used by any suspension producer allow increasing the speed more than 30% compared to any other similar system. The unit is equipped with nine adjustments that are pre-set by Bitubo and not modifiable, together with three more



that can be personalized by the user. "The included color choice map is visible on the display through the choice of position 1, 2 or 3, and further personalized set-ups are available via an Apple Store or Android Market downloadable app. After downloading the app and selecting it, the user will be faced with the nine adjustments pre-set by Bitubo and the three more that are customizable to suit the user.

The user can then send his personalized set-ups through the application to the control unit via Bluetooth wireless technology. The set-ups are selectable through the handlebar selector - parked or on the go - with a system reaction time of the system of just 100 milliseconds. The system is a 'Plug & Play' fully reversible installation.

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RSD Apparel 2020 - "Clean, Stylish, Subtly Branded Riding Gear"



The 2020 Roland Sands Design (RSD) apparel program, available through Tucker Powersports, remains "true to the focus of on-bike function and off-bike wearability," according to the company.

"Clean, stylish, subtly branded riding gear - that is what riders expect from RSD and that is what we deliver. Quality, comfort, fit, finish, protection and style - it is a recipe that gets better in time if you stay true to your roots, learn from your customers and work to improve on what you have learned."

For 2020, RSD says they have put together a diverse offering of premium riding apparel, including an innovative denim capsule collection that delivers "superior on-bike protection and off-bike wearable, classic silhouettes," as well as the limited edition 'Camo' waxed cotton collection and the 'Gunmetal' leather collection. "I'm really excited to get our new apparel range launched, the new 'Tech Denim' styles we've developed are going to do well.

Comfortable two-way stretch denim in classic work wear styled pieces, but which will protect you in case things get sideways," said Roland Sands, President at RSD.

"We developed the new range in capsule type releases as a way to create storytelling behind each new offering. The limited edition 'Camo' collection is super unique and borrows inspiration from street wear and the new 'Tech Denim' product is awesome, combining classic, stylish denim styles with technical abrasion resistant fabrics for protection and two-way stretch Cordura for comfort," said Rob Ramlose, VP Apparel for RSD.

The heritage portion of the collection "remains true to the DNA of the brand with features like included removable armor and strategic ventilation with uncompromising wearability. RSD realizes not everybody wants to wear the same gear, so we've further expanded both its textile and leathers range to bring more diversity to the collection, always keeping function and form in mind."

'F*ck Luck'



"The 'F*ck Luck' collection is a nod to the lessons learned and those experiences that make us who we are. It's the scars, the scrapes, the broken bones and the knowledge gained that keep us out of trouble and focussed on the task at hand. Some might say, "pain is the best teacher," and we would agree. In the dirt, on the road and the racetrack, in the hills, mountains and across the wide open desert, we accept the risk of living on the edge. The 'F*ck Luck' motto doesn't trust solely in fate, but in our own ability to keep our hides and heads protected using proper riding gear and the knowledge of learning the hard way."



two-way stretch allows for mobility and comfort. To increase protection, we have reinforced the key abrasion zones with tough and durable aramid fiber material for superior slide resistance. RSD 'Tech Denim' - styled for the ride, built for the slide."

2020 Roland Sands Design 'Gunmetal' Capsule



"An all-new color capsule collection in the Jagger & Mia styles, inspired by the parts and bits of the machines we ride."

2020 Roland Sands Design 'Camo'

"An all-new limited edition color capsule collection inspired by disruptive pattern materials commonly used in jungle military camouflage. Limited to a one-time production."



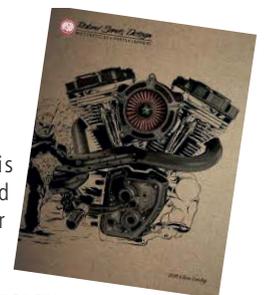
2020 Roland Sands Design 'Mojave'

"The proven 'Mojave' boot is a staple in the RSD range, now available in an all-new oiled tobacco leather colorway."



2020 RSD Apparel Catalog

RSD apparel is distributed in the United States by Tucker Powersports.



2020 Roland Sands Design 'Tech Denim'

"The all-new RSD 'Tech Denim' collection is no exception. These classic inspired garments feature innovative fabrics to keep you protected in case things get sideways. The main construction features a cotton denim woven with durable Cordura that provides excellent abrasion resistance, while built-in

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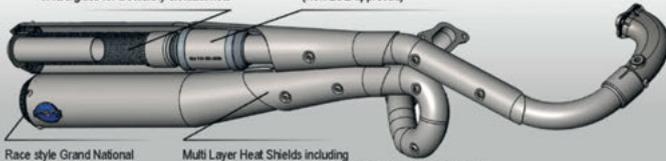


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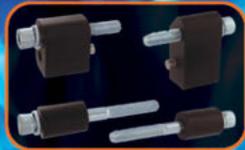
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Zodiac International Additions

Red Thunder Slip-On Mufflers



Founded in 2014 in Italy, these Red Thunder slip-on mufflers are easy to install on the stock exhaust headers and E-approved - so they are street legal in all EU markets. Subject to model, they are available in sets of one or two mufflers, in a range of finishes, including black ceramic coated, satin stainless steel, chrome and polished stainless steel for a wide range of models such as 2014-up XG500 and XG750 Street; 2018-up M-8 FXFB and FXFBS Softail; 1999-2016 Twin Cam Touring; 2017-up M-8 Touring and 2015-up Indian Scout models.

S&S 124 ci and 128 ci 'Power Packages' for M-8



The S&S Power Package is "the ideal combination of performance and savings, designed to transform the M-8 without breaking the bank." For the latest generation Harleys, S&S is packaging its brand new

124" and 128" bolt-in Big Bore kits with a 550 cam, cam plate and high flow oil pump as well as valve springs, lifters and pushrods. All kits can be installed without machining the crankcase and are available with gear or chain drive cams. Selected fitment options for 107 ci and 114 ci oil cooled and twin cooled M-8s include all black with gear or chain drive cam; black with highlighted fins and chrome or black pushrod tubes with gear or chain drive cam; all black cylinders with chrome pushrod tubes and chain or gear drive cam; black granite with highlighted fins, chrome pushrod tubes and gear or chain drive cam.

USB Chargeable Tracking Device



The Urban Tracker is a small and discreet device that has the ability to geo-localize any item of value - objects, pets, loved ones or your bike. Innovative technology makes it reliable in the open air as well as in a closed environment where standard GPS devices often fail. The location of the device is calculated using the mapping of visible network transmitters, using geolocation details available from public and private information sources. As mobile networks are visible in both indoor and outdoor environments, the Urban Tracker works in both cases. It needs no registration/credit card and works out of the box with its embedded SIM. Includes 200 free geolocation report messages, further messages can be bought when needed. With the free app, available

from the App Store for Apple or Google Play for Android mobile applications, it is possible to locate and trace the position of all items, even with more than one Urban Tracker. It measures a compact 55 mm x 65 mm x 19 mm.

Vans Cult Grips



These grips feature the classic Vans waffle sole pattern with a domed center section for improved comfort and vibration dampening - ODI created a grip that will become as much a classic as a pair of Vans. Available in a range of colorways for 7/8" (22 mm) handlebars on Buell, Harley-Davidson XG500 and XG750 Street and most European and Japanese motorcycles; or 1" (25.4 mm) handlebars for most Harley-Davidson, Indian and Victory models.



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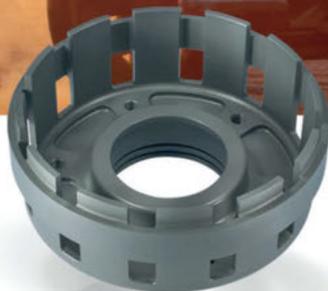
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H-D Connect Compatible SLA 'MAX' - Power for the Biggest of Big Inchers

Paris, France headquartered BS Battery has three battery options available for a wide selection of Harley applications - an OE replacement, an Upgrade and an Upgrade+.

Speaking at EICMA (Milan) recently, owner Benjamin Sebban told AMD that "this isn't just a standard good, better and best offer, because even our OE replacement has improvements over the stock Harley battery it replaces. This is a Better, Excellent and Outstanding menu of power options that can get even the biggest inch engines started, time after time, and keep them running smoothly and reliably." The 12V BS BTX14L MF (Maintenance Free - also called a VRLA battery/Valve Regulated Lead Acid) is more than a simple OEM replacement. It is a sealed battery with "gas recombination" technology, which brings less maintenance with no water refilling needs. These batteries are supplied with an acid pack and would be activated by filling the acid before first

use.

The AGM construction (Absorbed Glass Mat) uses saturated absorbent glass (boron silicate) mats between the plates instead of a gelled or liquid electrolyte. It has up to a 12.6 Ah capacity (20 Hr), delivers 200 cold cranking amps, reduced plate sulfation, a higher life cycle (up to three times longer than conventional batteries), longer voltage hold and increased power and is maintenance-free because it does not need water refilling.

Suitable for cold weather use, because it is sealed after filling, under normal operation there is no gas emission through the venting hole.

The 'Excellent' in the BS range (the Upgrade battery option) is the ready-to-start 12V, 200 cold cranking



Also an AGM and VRLA battery type, it offers multi-positional fitment versatility due to its environmentally friendly, spill-proof design, extreme vibration resistance, increased power and extended life.

At the top of the range, the 'Outstanding' option is the Upgrade+ BTX14HL SLA 'MAX' 'Factory-Activated' AGM/VRLA that delivers 220 cold cranking amps with up to a 14.7 amp hours capacity (20 Hr).

Featuring increased power, extreme vibration resistance, maintenance-free, spillproof, multi-positional fitment, extended life low discharge rate, and - the 'MAX' is H-D Connect compatible. All three options are OEM homologated.



amp BTX14L - SLA (Sealed Lead Acid) - a brand new 'Factory-Activated' line that is said to be maintenance-free, non-spillable and ready to install with zero gas emissions and extended life.

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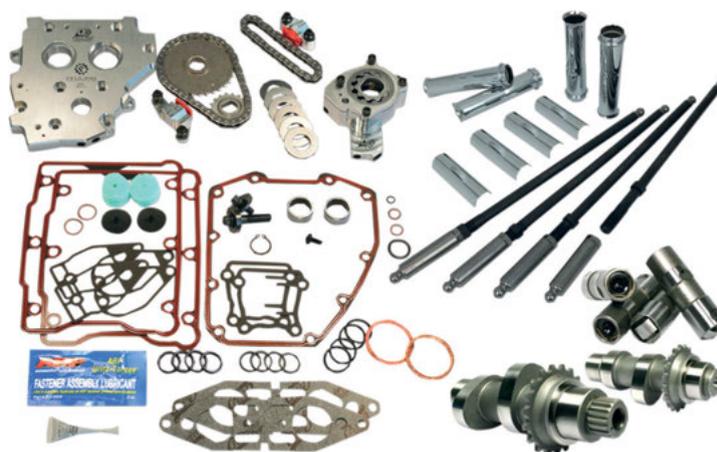
Californian performance specialist Feuling Parts offers dealers access to a flexible program of engine conversion options. The company's Good, Better and Best is an OE+ line, which is essentially OE replacement, but with improvements; the HP+ (High Performance Plus), which is aimed at upgrading street bikes to the max, and at the top of the range of options is the 'Race Series' - seriously enhanced performance for those who want to arrive before they've left! Seen here, Feuling's OE+ complete camchest kits for 1999 and up Twin Cams include all necessary components from top to bottom of the camchest conveniently packaged under one part number.

These combination kits not only ensure individual parts are designed to work and function together, but to do so in total harmony - taking the guesswork out of the ordering process and guaranteeing the engine builder "maximum reliability, peak performance and the coolest engine/oil temperatures obtainable."

The kits include the legendary Feuling high-volume oil pump, a high-flow camplate, a

choice of Reaper series camshafts (from the workhorse 525 for increased torque band width and fuel economy to the 574 - ideal for modified heads), hydraulic roller lifters, adjustable pushrods, Timken bearings, gaskets, O-rings, exhaust gaskets, ARP fasteners, washers, moly paste, Loctite and hardware.

The included conversion camshafts update the old mechanical style cams and tensioners to the new hydraulic tensioner system, and the sprockets, hydraulic tensioners, chains and spacers needed for installation. These camshafts utilize the 99-06 inner cam journals, with the 07-16 outer cam journals allowing the use of the 07-16 camplates, oil pump, hydraulic chain tensioners and chain drive system.



Feuling says the results are cooler engine temperatures, cooler oil temperatures, increased oil pressure, quieter and smoother engine operation and an end to wet sumping, blow-by and oily air cleaners.

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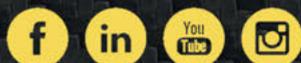
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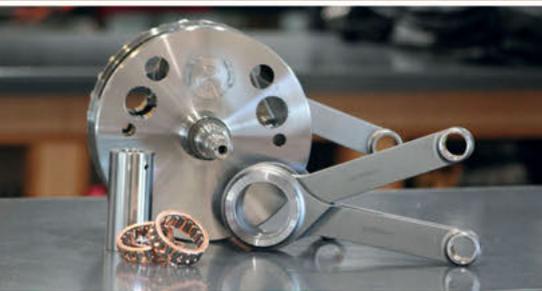


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Drag Specialties Additions

EZ-On Solo Seats for '18-'20 FLFB/FLFBS



The EZ-On solo seat from Drag Specialties features an internal rubber mount/stud system that allows for easy installation and removal with no tools required. Made from high-quality automotive-grade vinyl, with select seats featuring solar-reflective leather in the seating area and automotive-grade vinyl on the sides. All seats have molded, flexible urethane foam interiors for maximum comfort and styling. Seat is made narrower up front, has a 3/16" ABS thermoformed seat base for a perfect fit and a fully carpeted bottom with rubber bumpers to protect paint. Available in Smooth vinyl, Smooth solar-reflective leather, Scorpion stitch, black thread and Scorpion stitch, silver thread; compatible with fender skins (sold separately).

Frame-Mounted Heat Deflectors



These heat deflectors mount to the frame just under the front of the seat and direct heat away from the rider. They have a tough black plastic construction and are easy to install with all hardware included. Sold in pairs and available for '09-'16 FLHT/FLHR/FLHX/FLTRX and H-D FL Trike models (not for use with CoolFlow fan).

18" Touring Ape Hangers

These ape hangers have seamless 1" steel tubing that is notched for electronic throttle control, slotted



for internal wiring and knurled. They feature an 18" end rise, 32" width, 8" center width and 6" pullback, and are available in chrome or gloss black for '08-'13 FLHT/FLHX and FLHTCUTG models.

Brake/Mechanical Clutch Control Kit



Featuring OEM-style clamps and a matte black finish, the master cylinders accept OEM-style rebuild kits and have clearance for all 1 1/4" handlebars. It fits '08-'13 FLHX/FLHT/FLTR/FLHR models with a 15 mm master cylinder.

3 3/8" Programmable Electronic Speedometers



Programmable for easy calibration, these 3 3/8" electronic speedometers can replace a wide variety of OEM units. Features include a digital odometer with trip reset, OEM-style gauge indicator lights, a black face with black bezel and they are available in mph or kmh. Installation requires splicing of wires, and the mileage cannot be reset on speedometers. It fits '95-'98 FXD/XL models and universal/custom applications.



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PowerHouse Dyno Proven Cams for Big Twin Evo



PowerHouse cam options - from .500" to .620" lift



Available in six grind/lift configurations for a versatile range of applications whether using hydraulic or solid lifters, these PowerHouse brand cams from Hazelwood, Missouri based Mid-USA Motorcycle Parts are "dyno proven for maximum performance - from bolt-in, for more all-around performance and touring, to .620" lift for those ground-pounding street and strip machines."

Available bolt-in with stock .500" lift for hydraulic lifters, the OE replacement PowerHouse cam is said to deliver "excellent mid-range performance with stock or ported heads. Low end power is not sacrificed for heavy two-up riding and they provide more snap throughout entire rpm range. They pull surprisingly hard with stock heads to about 5,600 rpm and are easy to tune for all types of carburetors and exhaust systems." For hydraulic or solid lifters and recommended for use with performance valve springs, PowerHouse .530" lift cams are said to be an "excellent cam for 80 ci 9:1/10:1 compression and work well with stock or ported heads. The ideal performance cam for lighter Big Twins (FX and FXR type) wanting a good mid-range with fairly strong top end reworked carburetor jetting with a performance exhaust and ignition liberate the potential of the .530" PowerHouse cam." For hydraulic or solid lifters, and definitely requiring performance valve springs, the PowerHouse .560" is said to be the best cam in the range for higher compression 80 ci 9:1/11:1 applications and for

strokers up to 96 ci that want lots of torque. "For use with stock or ported heads, they should only be used with performance exhaust, carburetion and ignition. They have a very strong mid-range with the ability to pull very hard up to about 6,500 rpm, depending on cylinder head air flow."

For hydraulic or solid lifters, the PowerHouse .565" is said to be a hotter version of the popular viper cam and has a sophisticated profile fast intake ramp with slower closing ramp for maximum cylinder fill. Requiring springs with a minimum of 175/190 lbs. seat pressure, it is described as a "perfect combination with high compression 10:1 plus compression for 80 ci and small strokers. It provides very strong upper mid-range, with 6,500 rpm top end power. For use with mild to wild ported heads, good free flowing exhaust, performance carb and ignition, dig in for the ride of your life."

Also for hydraulic or solid lifters and performance valve springs, ported heads are recommended for the .595", and solid lifters should be run to prevent damage from valve float if the application is going to exceed 7,000 rpm. The valve spring pressure should be minimum 180 lbs. seat pressure, and high compression 80 ci 11:1 compression engines "will really turn on with the .595" PowerHouse cam. This cam makes power from mid-range to extremely high rpm and is a hot set-up for 88 ci/98 ci street strokers and a killer cam for street strokers up to 103 ci below 10:5 compression." Finally, and for solid lifters only, the sophisticated profile

fast intake ramp and slower closing ramp for maximum cylinder fill of the PowerHouse .620" require a spring with a minimum of 190 lbs. seat pressure. "The best choice for 115 ci/140 ci 10:1 plus compression super big inch monster motors, it also works well with high compression 11:1 compression small stroker 88 ci/98 ci REV monsters, but doesn't start kicking until you're over 4,500 rpm - great for street use and occasional trips to the local track."

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Saddle Tramp - New Motorcycle Audio Solutions and Accessories

Holly Hill, Florida based Metra Electronics has announced new motorcycle audio, mobile device integration and convenience accessories for selected Harley-Davidson models and applications in their Saddle Tramp brand.

Radio Dash Kits



Saddle Tramp has three improved radio dash kits designed for Harley-Davidson 2014-up Street Glide, Electra Glide and Ultra Limited models and 2015-up Road Glide models. Both the 95-9700WR and the 99-9700WR (seen here) are water-resistant, molded in ASA plastic and feature patent-pending designs. They include data interface accessory power and provide data for factory security systems.

The 95-9700WR kit is designed for Double-DIN radio installations and includes a handlebar control interface and antenna adapter. The 99-9700WR kit is designed for Single-DIN radio installations and includes an LCD screen that retains oil pressure and EITMS info. The 99-9700WR kit is also available with a handlebar control interface as the 99-9714WR. The 99-9714WR also includes an LCD screen that provides information for personalized settings that would otherwise be lost on an aftermarket radio.

The fourth new radio kit from Saddle Tramp is designed for 1996-2013 Harley-Davidson Touring models and features a water-resistant design. The 99-9613WR is a single molded piece for solid installation with a rubber gasket to fight vibration and moisture. It includes an electronic magnetic antenna that replaces the factory rear-mounted antenna mast and a handlebar audio control retention interface. Speaker adapters are also available for these same models.

Tour-Pak Lids and Hardware



BC-TP6914U

BC-TP699713

Motorcycle audio upgrades replacing the factory speakers will be easier with two new styles of Harley-Davidson Tour-Pak lids with speaker adapters that fit 6 x 9 inch speakers. Lids designed for models with the OEM Tour-Pak are made of ABS plastic, painted vivid black, work with the OEM hardware and include speaker grilles, a backrest pad and new gasket seal. An optional premium bolt-on latch and hardware kit is available if using the OEM hardware is not desired. This kit fits 1996-2013 Harley-Davidson models with the OEM Tour-Pak. This one-touch open and close operating kit includes a new lock, hinges, latches, a tether, bolt-on hardware and a drill template.

Protective Saddlebag Lid Covers and Rubber Gasket Seals



Protect saddlebags from the elements with new water-resistant nylon saddlebag lid covers (BC-SBLC) for 1996-up Harley-Davidson Touring models. This three-piece set is complete with a storage bag for the lid covers and fits both Saddle Tramp and OEM saddlebag lids. The BC-HDGASKET is a pair of rubber gasket seals that fit Saddle Tramp and OEM saddlebag lids. The hollow tubed insulation gasket comes with double-sided tape for easy installation.

Axxess DSP Packages

Saddle Tramp highlights two new DSP packages with water-resistant cases for an improved sound system. The first plug-n-play package is designed for Harley-Davidson 1998-2013 models and the second package is designed for 2014-up models. Both cases feature a water-resistant plug-n-play harness and AX-DSP-X from Axxess. The amplifier, if equipped, does not need to be retained and all the wiring will be done at the radio.



Sound Control and Hands-Free Accessories



Saddle Tramp has designed new universal accessories to enhance the listening experience using a smartphone and bring hands-free convenience to the rider. Saddle Tramp's universal handlebar Bluetooth speaker system (BC-BTHBS) adds a pair of durable metal handlebar speakers that can stream music via a Bluetooth enabled audio device or smartphone, a built-in FM tuner or a USB input. The USB input can play MP3, WMA or WAV music files and provides 1 amp device charging. The 3-inch pair of water-resistant speakers are capable of producing a peak stereo output of 20 watts each. Unlike other systems that use lower-quality plastic materials, this full metal construction sound system can take abuse from the elements and still perform season after season. The universal speakers mount to round highway handlebars with a diameter between 0.8125" and 1.1875" (20-30 cm).

Saddle Tramp's Bluetooth wireless speaker designed for motorcycle helmets allows the driver to conveniently utilize hands-free calling and listen to music from their mobile device. Pairing via Bluetooth, this rechargeable speaker fits most full-face motorcycle or bicycle helmets. With a built-in hands-free auto-answer feature, the BC-BTHSP will automatically answer incoming calls within three seconds, allowing drivers to pay attention to the road and keep their hands in place.

To keep the rider's smartphone secure but within visible reach, Saddle Tramp's new Hex-Grip phone mount (BC-MC6FPM) provides a flexible solution that fits most devices from 1.8750" to 3.8750" in width (with or without a case) and 0.8750" in depth.



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Bright Ideas from Letric Lighting Co.

Started a year or so ago, and exclusive to Tucker V-Twin, the Letric Lighting Co. range of advanced LED solutions is the brainchild of NAMZ Custom Cycle Products founder Jeff Zielinski, and the past twelve months have seen the range grow into one of the market's leading "brightest premium motorcycle lighting" ranges.

"Letric has grown more than originally hoped for in its first year," says Jeff. "The range, the quality, the technology, competitive pricing and lifetime warranty have proven to be a winning formula. Recently, we released several brand-new products that are featured in our 2020 catalog and are already available to dealers in the United States through Tucker Powersports and in Australia through Rollies."



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'Killer High Lights'



This 16-Color LED accent lighting kit includes 2 x 12" strips, 4 x 8" strips and 2 x 4" strips with flashing, jumping and fading pattern color options and wireless remote control. It is a simple Plug-n-Play install.

Saddlebag Filler Lights

Plug-n-play Premium Saddlebag Fillers provide the additional lighting needed for 2014-up touring models, filling the oval openings in the saddlebag support bracket. A backlit LED provides running lights and surface mount diodes produce ultra-bright turn signal and brake functions - increasing safety by adding additional running lights, brake lights and turn signals on all models except Road Kings and Police models (which will only have running lights and turn signal functions).



G2 Royal Flush lights

"Our G2 Royal Flush LEDs use Chip on Board (COB) technology and give the appearance of a single lighting panel, in a distinctive 9/16" or 1" aluminum body in polished or gloss black finish.



Premium Turn Signal Inserts



"A step up in brightness from our original standard turn signal inserts, these unique lights feature a single body aluminum construction that has a built-in heat sink which allows the insert to produce the brightest light of our SMD (Surface Mount Diode) inserts. SMDs are superior to traditional through-hole diodes because they produce a brighter light and last longer. They use stock or aftermarket lenses and do not need any additional components because they are fully secured by the socket housing, just as a bulb would be.

"When the turn signal is engaged, our technology offers a smooth transition from white running lights to amber color turn signals (front only). Premium Bullet inserts come with a lifetime warranty on the whole LED. Also available as a 'Switchback' variety.

'Perfect Plate' Lights



Offered in chrome, gloss black and matte black, Letric's 'Perfect Plate' LED license plate frame is an easy install featuring ultra-bright, surface-mounted LEDs functioning as red running light, bright red brake light, license plate illumination light and switchback amber turn signals. "Available in a plug-n-play option with mounting hardware included or a simple hardwired installation for a truly universal fitment. The perfect addition to any motorcycle. Easy to install, the Perfect Plate Light™ offers a variety of optional finishes and functions to fit your desired look."

Deluxe Bullet Style Turn Signal Inserts



The brightest turn signal inserts currently available in the Letric range, they use brand-new COB technology and a proprietary lens design that gives the appearance of a single lighting panel rather than individual LEDs. "Additionally, due to the proprietary convex shape of the lens and wattage produced by the COB LEDs, we have an unparalleled angular diffusion, so the turn signals are seen both from the front and the side of the bike. The fully sealed installation is a breeze, preventing any moisture or corrosion on the board; they are fully CAN bus compatible and require no additional modules or resistors. Also available as a 'Switchback' variety."

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FXR pictured with "Gripp Tape" style.
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These Performance Machine forged aluminum wheels place the highest material strength in the same direction as the operating load, creating a light and strong wheel, and feature a contour rim lip for a graceful arc from rim to lip.

They are available in Gold Ops finish (featuring gloss black on top of a contrasting textured black finish) or Black



Ops finish (gloss gold on top of a contrasting textured gold finish) for outstanding durability and looks.

For '14-'19 FLHT/FLHR/FLHX front wheels, a fender relocation bracket is included for use with stock front fenders.

Also seen here, Performance Machine two-piece brake rotors are made with a 420 stainless steel outer band and specifically designed for use with Performance Machine wheels only (3.25" bolt circle).

Available for '08-'19 FLTR/ FLHT/ FLHR/ FLHX, H-D FL Trike (Trike is front only) in Black Ops or Gold Ops finishes.



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Swoop 3-Piece Stretched Rear Fender and Side Cover Kits

When it comes to saddlebags, Bagger Nation feels that stock is the new stretched! So much so that the company has created a "killer" new line of 3-piece body kits aimed at "setting the stock Bagger apart from the crowd."

Each kit includes Bagger Nation's all new 8" Swoop stretched fender and a pair of Swoop stretched side covers. Bagger Nation offers two kits, one for bikes equipped with standard length saddlebags and the other for factory Specials and CVOs equipped with factory stretched saddlebags.

Each Swoop fender is equipped with the company's Stealth II frenched license plate frame with hidden LEDs, as well as an array of new Lightning Bolts laser bright COB technology taillights - dealers can choose black or chrome license frame and included matching Lightning Bolts finish.

"Bagger Nation Swoop body kits are direct bolt-on replacement parts using the stock hardware. All mounting holes are pre-drilled at our Arizona factory direct location and each component is handmade in the USA by our skilled craftsmen. A simple 3-wire install, no load equalizer is required. Paul Yaffe's Bagger Nation fit and finish is guaranteed, and you won't find a better fitting product anywhere - all Swoop body kits are backed by our limited lifetime warranty."



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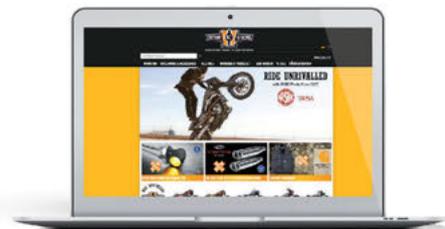
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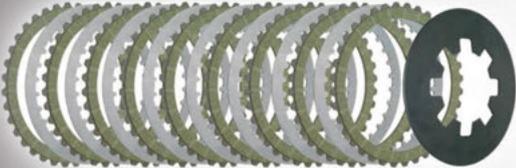
BTX-5



Fits 1941 - 1984 Big Twin. Includes 6 friction plates with 6061 T6 aluminum cores and 5 tempered steel drive plates. Also includes 10 zero crush coil type clutch springs. Stack height is pre-set for easy, accurate installation. Can run wet or dry. 20% more surface area than stock!

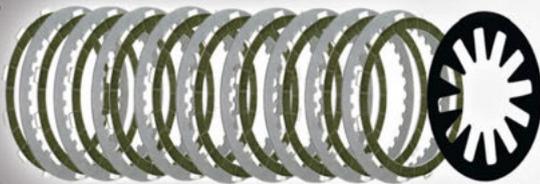
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BTX-11



Fits 1990 - 1997 Big Twin and 1991 to present Sportster and Buell through 2002. Includes 9 friction plates on tempered steel cores, starburst groove pattern for maximum heat dissipation and oil circulation, and 8 tempered steel drive plates. Pre-set stack height for easy installation. 15% more clutch area for high performance strokers. Also included is a 15% stronger than stock diaphragm clutch spring. This kit eliminates the double riveted steel plate.

BTX-14



Fits 1998 Big Twin and Twin Cam models through present. Kit includes 10 friction plates on 6061 T6 aluminum cores, 9 tempered steel drive plates and a 10% stronger than stock diaphragm spring. Pre-measured stack height for easy, accurate installation. 11% more surface area than stock.

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Pistol grip clutch and brake levers



Lake Havasu City, Arizona based Joker Machine says "you can add smooth action to your Indian Scout and Scout Bobber with our classic pistol grip clutch and brake levers."

CNC-machined from billet aluminum for a perfect fit, pistol grip style levers make for a more comfortable ride and function. Stylized edge break cuts mesh with Indian controls. Available in black or chrome plated finishes; easy install; fits 2015-up models.

Indian shift linkage

This CNC-machined billet aluminum adjustable shift rod for Indians enables you to adjust the shift arm height to accommodate riders with limited reach. Simply spin to the rod to adjust and set it. Available with a racing inspired cut-out design, or flip it around for a smooth 'sano' finish. Hard black or chrome plated



finishes are available, and it works with all Indian Scouts and Scout Bobbers.

Serrated floorboards



Joker Machine's famous serrated style floorboards are said to add better grip. Race-tech inspired cut-outs reduce vibration for a smoother ride and the dimensions are consistent with OE floorboards - blending with any stock or aftermarket bolt-on pedals or pegs. With 'built to last' CNC-machined construction and stainless steel mounting brackets, they are an easy install with no additional hardware needed. Available in black or raw aluminum finish.

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Raked Softail Triple Trees



These Pickard USA raked triple trees for Harley Softail are designed to be used with 21 or 23 inch wheels on 1984-2017 Softail models, including the Slim, Heritage, Deluxe and Fat Boy. Designed with a 4-degree rake to correct the front end geometry for proper handling and suspension

travel with larger diameter wheels, they are machined from aircraft grade billet aluminum and come standard with a chrome and black anodized finish.

These trees are based on the stock mounts, so the factory headlight, nacelle and fork cans bolt right up. Also available as part of Pickard's complete 21 or 23-inch Softail front end packages.

Also seen here, Dominator series rear end packages feature a scalloped side edge and a slightly tapered rear for additional clearance when leaning into a turn. This kit for Touring models and Baggers includes stretched bags, bond on side covers and a replacement rear fender with an integrated license plate frame for the run/turn/brake signal. The fender measures 6" down and 15" back and the bags measure 6" down and 6" back. The Dominator fits 95-current models (will require the new one-touch Harley lids).

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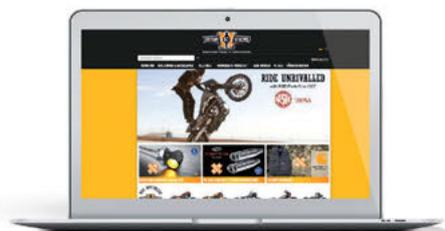
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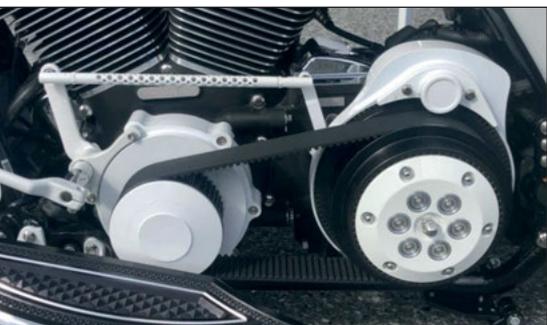
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Tech Cycle Performance Products Inc. has designed and engineered isolator electric start kits for 2006 Dyna models and 2007 and up Dyna and FL models, available with a choice of a 2" or 3" wide Cyclone primary belt drive or its 530 O-ring chain drive system.

The Pennel, Pennsylvania based manufacturer is celebrating 25 years in the industry "providing quality products. We manufacture high torque gear reduction starters for all applications as well as 4-speed electric start kits for Flathead, Knuckle, Panhead, ratchet top, rotary top, 5/4, 6/4, early FXRs, 5/6 speed Evo, Twin Cam, Dyna, FL and all late models.



"During our 25 years we are proud to say that we have built a reputation for precision, reliability and quality. We have become a trusted manufacturer of H-D starters, belt drives and accessories because we understand that *'the Left Side Matters!'*"

Tech Cycle Performance Products has been a pioneer, and among the first products they designed,

engineered and manufactured were 4-speed and 5-speed electric start conversion kits for open primary H-D and V-twin kickstart motorcycles.

A complete line of engineered high torque, gear reduction starters for 1965-88 closed primary models followed, and once in the marketplace, the industry embraced Tech Cycle and recognized its high-performance gear reduction starters as a great starter option - especially for cranking big-inch, high-compression motors.

Over the years, Tech Cycle has expanded its product lines to include a complete line of high styled open primary belt drive systems and engine components. The product line is broad and deep - from 1936 Knuckleheads/Panheads through to Pan-Shovelheads, Shovelheads, 'Cowpies', Evos and Twin Cams right up to current H-D production.

"We have become standard equipment on many custom bike builder and OEM offerings, and we continue to look to the future with great optimism - offering the market an ever-expanding line of products engineered for excellence.

"Our mission is to remain the leading supplier of motorcycle starter solutions worldwide through product innovation, manufacturing consistency and enhancement of customer productivity with product efficacy and service solutions."

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Metalsport Adds Vee Rubber's VTR 350 Tire Product Line



Recent news from South Gate, California based Metalsport Wheels has included the addition of wheel and wheel/tire package applications and fitments for the current generation of Indian Motorcycle models with 6061-T6 aluminum hub fitments for the most popular Indian design - the Chief models from 2014 and up, available with matching floating rotors.

The latest news from Metalsport is of another diversification - this time with replacement tires for Can-Am Spyders. The company says that it and its sister wheel blank business MSI will maintain inventory on the Vee Rubber VTR 350 Arachnid tire product line - these tires were specially designed for Can-Am Spyders "to provide excellent traction and great mileage. They are great all-weather tires that provide awesome handling and exceptional grip in the wet."

Features of the Vee Rubber Arachnids are said to include "outstanding straight-line performance for acceleration and



braking, heavy duty construction for the additional weight and two-up riding, a newly formulated compound specifically for Spyders for exceptional mileage and a tread depth of 10/32. They are also available in a new touring construction for RT 1330 Ace models."

The tires are radial, tubeless and said to weigh-in at approximately 16 lbs. Metalsport offers a full line of 3D, 2D and now hybrid finished wheels featuring over 25 designs, including the Chip Foose Signature Series. "We have one of the largest selections of wheel sizes in the USA and wheel sizes start from the 16" wheel to our monster 34" wheel.

"All our wheels come with your choice of hub and we offer matching rotors, pulleys, sprockets and hubs. We can even offer the wheel already mounted with a Vee Rubber tire."

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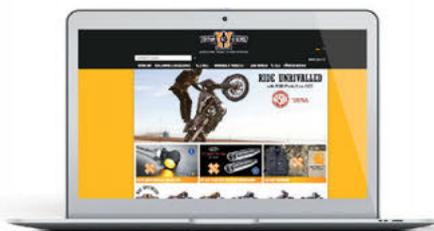
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*Motorplates can be supplied with a 2" or 3" Cyclone Primary Drive



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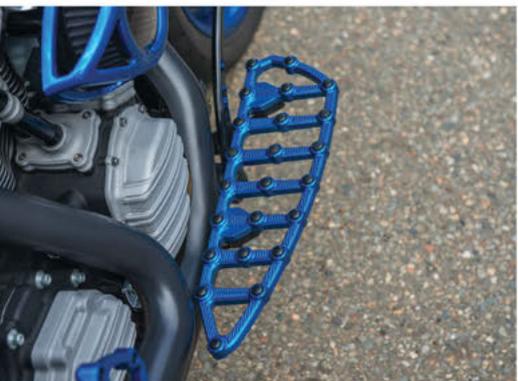
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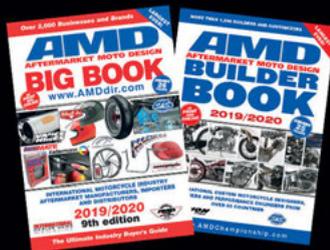
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NEWS BRIEFS

It's hard to say whether it is rumor or hard news, but the smart money is on Harley



releasing two new mid-cycle 2020 models - a CVO Road Glide and a Softail Standard. It is also thought likely that, with the 60-degree 'Revolution Max' engine 1,100 cc Pan American ADV and 975 cc Bronx Streetfighter taking center stage for the MY2021 announcement, the 'core' range will most probably be dominated by accessory upgrades and paint jobs.

PSB report that Black Book used vehicle pricing has started to fall more sharply this winter than has been the case in recent years. The biggest movers are metric cruisers, down -4.6%, with domestic V-twins down by -3.5%. The only segment to see an increase in pricing in November was snowmobiles, +1% over October values.

Metalsport has announced that Shell Barr, who had recently retired from Vee Rubber after almost 10 years, has agreed to join the South Gate, California



wheel manufacturer. "With his in depth knowledge of the product, Shell will be a great asset to our team," stated Ron Loynds, President of Metalsport Inc. Prior to Vee Rubber, Shell was the Technical Service Manager for Triumph Motorcycles America for almost 15 years, National Service Manager for Cagiva North America and held numerous service and parts management positions within motorcycle dealerships in the Northeast.

New Euro 5 Environmental Standard Enters into Force January 1st 2020 for all New Motorcycles and Mopeds in Europe



As of 1 January 2020, all new type-approved motorcycles and mopeds sold in the European Union (EU) and the European Free Trade Area (EFTA) will have to meet the new Euro 5 environmental standard, replacing the current Euro 4 specification.

For existing moped and motorcycle models type-approved before the 1 January 2020, Euro 5 will become mandatory as of the first day of 2021. This brings the pollutant emissions of L-category vehicles (i.e. mopeds, motorcycles, tricycles and quadricycles) to the same level as Euro 6 cars.

In a release dated December 16th, ACEM, the Brussels based international motorcycle trade association in Europe said that "technical innovation in the motorcycle industry has played a key role in progressively lowering vehicle emissions. Since the introduction of the Euro 1 standard for motorcycles and mopeds in 1999, pollutant emissions have been drastically reduced. Combined emissions of hydrocarbons (HC) and nitrogen oxides (NOx) have gone down by 96.6%, whilst carbon monoxide (CO) emissions have been reduced by 92.3%.

"Under the new Euro 5 standard, tailpipe emissions of mopeds, motorcycles, tricycles and quadricycles will not be allowed to exceed 1,000 mg/km of carbon monoxide (CO), 100 mg/km total hydrocarbons (THC), 68



Antonio Perlot, ACEM Secretary General: "From a supply side perspective, vehicle technology has been instrumental in improving the environmental performance of motorcycles."

mg/km non-methane hydrocarbons (NMHC), 60 mg/km of oxides of nitrogen (NOx) and 4.5 mg/km of particulate matter (PM). These Euro 5 tailpipe pollutant emission limits are the same as those of Euro 6 for cars. "The new Euro 5 standard that will replace the previous one (Euro 4) will become mandatory for all new type-approved motorcycles and mopeds as of 1 January 2020. Some niche segments (i.e. enduro and trial motorcycles, three-wheeled mopeds designed for utility purposes and light quadrimobles) have been granted

additional lead time. These niche products will have to comply with the new Euro 5 tailpipe emissions limits as of 1 January 2024.

"Durability provisions and evaporative emission levels are equally becoming more stringent. Another important innovation is the progressive introduction of a second stage on-board diagnostic (OBD), allowing advanced identification and flagging of malfunction and deterioration of emission control systems."

Antonio Perlot, ACEM Secretary General, said: "From a supply side perspective, vehicle technology has been instrumental in improving the environmental performance of motorcycles. ACEM members have invested heavily in research and product development to develop Euro 5 compliant motorcycles equipped with technologies such as 3-way catalysts with oxygen sensor controls, complex electronic engine management systems, advanced fuel injection and variable valve timing and lift technologies.

"As a result of this, the environmental performance of Euro 5 motorcycles will be equivalent to that of Euro 6 cars. ACEM sees this fitting within the vision of the recent European Green Deal of achieving less polluting transport, especially in cities, and further enabling the contribution of our range of vehicles to a multimodal transport system."

Sources: AMD, IDN, FT, Reuters, PSB, MPN, B&B, BDN, MCN, AP, Bloomberg, MSNW, Electrek

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