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Harley Q1 North America Retail Unit Sales -17%, with Global down by -12%; Revenue up by +20%

In an effort to put a positive spin on what has to be viewed as disappointing first quarter results, Chairman, CEO and President Jochen Zeitz is quoted as saying: "Harley-Davidson delivered a solid start to the year, with consolidated first quarter revenue up 20%, driven by HDMC, reflecting the progress we continue to make in advancing our Hardwire strategic plan.

"Building on our commitment to innovate in our core categories, we have kicked-off a **new era of CVO touring bikes**, with the all-new 2023 CVO Street Glide and CVO Road Glide," stating that the new Variable Valve Train models were a "landmark for the company and our customers." **However, Wall Street is not known for its ability to appreciate nuance.**

On the day the fiscals were released (April 27, 2023), Harley stock opened at \$38.13 and dropped as low as \$33.80 before closing at around \$36.00. For context, the year-ago Harley stock price was \$36.32, and

since then it had been as low as \$29.81, with a 12-month high of \$51.72 in early February 2023.

Harley says the 21% increase in HDMC revenue also included a 1% pricing-driven increase in Parts & Accessories revenue, with Apparel revenue up 39% "behind sales of 120th



The CVO Road Glide - part of a "new era of CVO Touring bikes"

anniversary merchandise and product mix."

"First quarter gross margin was up 4.2 points behind pricing, shipment mix, and cost productivity more than offsetting the negative impacts from foreign currency and cost inflation.

First quarter operating income margin improved by 4.6 points largely for the same reasons."

Harley-Davidson cites **"timing of new product launches, as well as the shifting macro conditions"** as driving the 12% year-on-year decline in achieved global retail motorcycle sales (*though that excludes the 63 LiveWire units sold!*) and the 17% decline seen in North America.

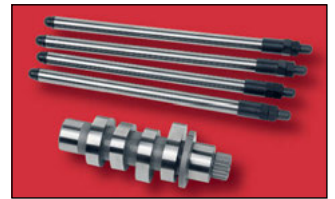
Growth in Asia Pacific "was driven by continued strong demand across key markets, including Japan and Australia. EMEA decline of 6% was primarily driven by market exits, in addition to a planned unit mix shift towards the profitable core product segments, following the sunseting of Sportster. Latin America continued to be adversely impacted by regional economic conditions."

HDFS' operating income decline of \$28m in the first quarter, or down 32%, was driven by higher interest expense and higher credit losses. "The

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JUNE 2023

ISSUE #287



EBR AT BARBER



Fast Johnnie Glide ST

There has been a flurry of Harley new model announcements in recent weeks. From an all-new CVO Road Glide and Street Glide to a new limited edition ICONS Collection FLHFB Electra Glide 'Highway King' and, seen here, three new limited edition Enthusiast Collection 'Fast Johnnie' ST models - see pages 31-32 ...



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JUNE 2023 (#287)



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Remember those "shark infested waters" that Robin Bradley said Harley would find themselves swimming in? That was some five years ago, long before Jochen Zeitz became CEO, and before the ill-fated 'More Roads' strategic plan. Is it headed back that way again?



BUDWEIS CUSTOM SHOW - Six classes, Indian motorcycles only30

More details have emerged of the 'Indians' only, six-class 'Budweis' Custom Show being staged at the Indian Riders Festival in the Czech Republic in June. The judging jury will be headed up by Ola Stenegård, Director of Industrial Design for Indian Motorcycle, as President of Honor of the judging panel.



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Chinese ATV/UTV manufacturer HISUN remembers the X-Wedge and is preparing to enter the V-twin cruiser market with the much underrated 60-degree V-twin that S&S developed some 15 years ago.

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Danger Ahead for Harley?

While "making more from less" is somewhat of a Holy Grail for any business, getting product "out there" is also a righteous goal - in financial terms, scarcity has to be a pathway to somewhere, not simply a goal in and of its own.

It has been a while since I stood on my "Harley, you could be doing better" soapbox, and I feel dirty about climbing back on to it now. It's not as if, with this iteration of Harley's strategic plans, I have a firm grasp of what the Motor Company should be doing in addition to or instead of 'HardWire' in order to keep the share price and bottom line moving in the right direction.

The problem is, if the recent loss of the CFO is anything to go by, Harley itself appears to have more questions than answers at this stage.

Corporate hubris and ego will prevent Harley from jettisoning LiveWire or finding a way to reverse it out of the SPAC cul-de-sac it has been driven down (btw - global EPTW sales numbers and market forecasts continue to suggest that its 100,000 units by 2025 objective remains the stuff of fantasy).

Within hours of the Q1 results being announced, some were pointing to the 14% increase in Q1 shipments - as opposed to retail sales - as marking a return to the bad old "Channel Stuffing" days that nearly brought the Motor Company to its knees 15 years ago.

However, Harley, quite rightly, points to the increase in available inventory coming "in advance of [the] key riding season," with the increase in wholesale shipments and continued global pricing realization "driving that [Q1] 21% increase in HDMC revenue." The problem with the way the income has been accounted for though is that Q2 may well have a bunch of sales with no profit score in the revenue column. But I guess it has always been thus.

Either way, Wall Street is not known for its ability to appreciate nuance.

On the day the Q1 fiscals were released (April 27, 2023), Harley stock opened at \$38.13 and dropped as low as \$33.80 before closing at around \$36.00. For context, the year-ago Harley stock price at that stage was \$36.32, and since then it had been as low as \$29.81, with a 12-month high of \$51.72 in early February 2023.

Despite the success it has had in taking back control of pricing and using scarcity to reinforce brand status, the stock market response was hardly the ringing endorsement of 'Hardwire' strategic plan progress that Zeitz was clearly claiming.

Whichever way the potential revenue/unit deficit in Q2 is looked at, the potential discrepancy surely represents a roll of the dice? Zeitz is betting that Harley's dealers will be able to sell the units, and more besides, otherwise Q2 results could see unit sales jump, but without the commensurate increase in revenue from motorcycle operations. The overall math may well have the tolerance to absorb such a "cost of doing business" priced in and, no doubt, there will be an (probably lesser) element of the cash movement cycle in the Q3 and Q4 fiscals too - indeed there is likely an element of perpetual carry-forward in such matters.

Meanwhile, has Wall Street taken a more nuanced and balanced view of Harley's progress in the days since the Q1 fiscals dropped? That's a big fat no! The Harley share price opened at \$36.63 on the day after the results were published and, despite a slight recovery to a high of \$37.56 since then, Harley stock closed at a modest \$34.10 the

evening before writing this piece on May 10.

Yes, okay, what shares have not been suffering this year? Sure, most have, but not all - there have been winners. Whichever way you slice and dice the market indexes, most shares have suffered badly so far this year, indeed, there has been around 18 months of volatility and the stock market momentum is decidedly negative (again this year) as we head into the low volumes of the summer months.

Why am I investing content real estate and keystrokes into this in such detail? Quite simply because if this continues for very much longer (maybe six to 18 months would be a timeframe), Harley could be headed back into take-over territory - and more likely hostile than 'White Knight.'

Only once in the past 24 months has Harley's share price been lower than at the time of writing, and it is way closer to that low than it is to any subsequent high.

The problem is that only very dubious balance sheets treat brand value as an asset. While Harley's (Zeitz') focus on the desirability of the brand has served certain kinds of businesses well in the past in fiscal terms (listed and privately held businesses), there is a balancing act to be struck. One where the potential acquisition price is lower than the long-term profit opportunities that a well curated brand can deliver.

Under such circumstances, the kind of multiples involved in trying to get investors to price unrealized profits into an acquisition are more closely associated with the lower-cost, high-unit number FMCG (Fast Moving Consumer Goods) markets that the present CEO is more accustomed to - not the higher priced, lower-unit number sectors that a business like a motorcycle manufacturer or automotive conglomerate occupies.

Such businesses breathe entirely different air. Harley-Davidson is in danger of becoming vulnerable again. There are trillions of dollars of investment capital out there for which the number of good homes is diminishing, and for which the 'quick buck is the best buck'. That capital is in the hands of investors for whom time is the enemy, not the opportunity. These are febrile times in which mergers and acquisitions activity is morphing, and not necessarily in a good way.

Don't get me wrong. This has been a tricky piece for me to write, expressly because, actually, overall and given the past and present circumstances, I personally think Harley's senior management team and its workforce are 'doing a good job.'

Yes, the Harley brand is important and should be nurtured in such a way that the metal commands a suitable premium. But unless the stock markets improve (hard and fast), then we will be approaching an era in which investors will have even less capacity to price that in than they do now.

“ could become vulnerable again ”

Robin Bradley
Co-owner/Editor-in-Chief
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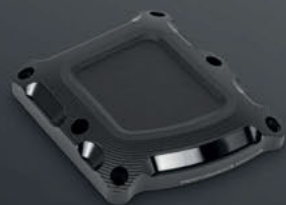
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<<< Continued from cover

increase in credit losses was driven by several factors relating to the current macro environment. Total quarter ending financing receivables were \$7.6bn, which was up 11% versus the prior year, driven primarily by an increase in wholesale receivables."

LiveWire revenue for the first quarter decreased by 2%, due to lower sales of electric motorcycles and STACYC electric balance bikes. "LiveWire operating loss of \$25m in the first quarter was driven by product development costs as well as increased costs versus prior year, associated with setting up the new organization."

Consolidated operating income in the first quarter was up 28%, driven by an increase of 53% at HDMC, a decline of 32% at HDFS, and an operating loss of \$25m in the LiveWire segment. Consolidated operating income margin in the first quarter was 21% relative to 19% in the first quarter a year ago, representing a 132 basis-point improvement.

Harley generated \$47m of cash from operating activities at an effective tax rate of 23% and paid cash dividends of \$24m. Q1 diluted EPS of \$2.04 was up 41% versus the prior year; the achieved HDMC operating income margin of 21.6% was an increase of 4.6 points versus the prior year, as pricing, unit mix and cost productivity more than offset inflation; Harley executed \$84m of share repurchases (2.0 million shares) on a discretionary basis. Cash and cash equivalents were \$1.6bn at the end of the quarter, and financing of \$1.25bn was raised for HDFS.

The company has reaffirmed its initial guidance for the full year 2023 and continues to expect HDMC revenue growth of between 4 and 7%, with an operating income margin of between 14.1 to 14.6%, an HDFS operating income decline of 20 to 25%, LiveWire motorcycle unit sales of 750 - 2,000, with an operating loss of between \$115m to \$125m, and H-D Inc. capital investments of \$225m to \$250m.

Last year, Harley had trailed and implemented a **new segment reporting structure** as a result of LiveWire Group, Inc. becoming a separate public company, trading on the New York Stock Exchange on September 27, 2022 (Ticker: LVWR). Following the close of that SPAC merger, Harley-Davidson was left with an equity interest in LiveWire of approximately 89.4% (well above its 74% target) and had raised some \$1.77bn - well below the expected \$2.3bn. Harley had continued to consolidate LiveWire Group results with new adjustments for non-

Harley-Davidson sales revenue and production data... 1st quarter 2023

Income statements in \$1,000s (except share)	THREE MONTHS ENDED	
	MARCH 2023	MARCH 2022
Net sales revenue	\$1,557,829	\$1,292,770
Gross profit	\$557,026	\$407,582
Operating income	\$369,609	\$289,232
Net income	\$301,829	\$222,502
Diluted earnings per common share	\$2.04	\$1.45
NET SALES REVENUE		
Motorcycles	\$1,302,378	\$1,057,005
Parts & Accessories	\$167,671	\$165,320
General Merchandise	\$71,391	\$51,404
PRODUCT MIX		
Grand American Touring	32,219	26,012
Cruiser	21,258	15,563
Sportster/Street	5,544	9,654
Lightweight	1,041	-
Adventure Touring	2,175	3,517
Total	62,237	54,746
RETAIL SALES OF H-D MOTORCYCLES:		
United States	24,277	29,344
Canada	1,744	1,869
EMEA	5,917	6,290
Asia Pacific Region	6,881	6,699
Latin America Region	606	809
Total	39,425	45,011



controlling shareholder interests. Consolidated net income attributable to Harley-Davidson, Inc. and EPS calculations now reflect these adjustments.

Beginning with the fourth quarter of 2022, the new business segment reporting now includes **Harley-Davidson Motor Company (HDMC)** - the Group that is accountable for the design,

manufacturing, marketing and sales of Harley-Davidson motorcycles and related products; **Harley-Davidson Financial Services (HDFS)** - the Group that provides motorcycle and related products, financing and insurance products and services for dealers and retail customers, and **LiveWire** - the Group that is accountable for the design, marketing and sales of LiveWire electric motorcycles and related products, including STACYC electric balance bikes.

Prior period segment results have been retrospectively adjusted based on the new segments. In addition, the consolidated results will continue to be reflected by **Harley-Davidson, Inc. (HDI)** - the corporate entity for the overall company under which HDMC, HDFS and LiveWire operate.



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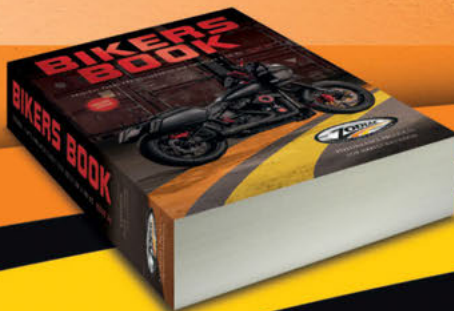
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Mees Takes Dallas Half-Mile Win

Reigning Grand National Champion Jared Mees (No. 1 Indian Motorcycle/Rogers Racing/SDI Racing FTR750) penned the latest chapter of a career of Half-Mile heroics with a victorious run in the Mission Dallas Half-Mile presented by Roof Systems (Round 5) at the Devil's Bowl Speedway in Mesquite, Texas, on April 22.

Mission SuperTwins presented by S&S Cycle

The premier-class king was one-quarter of an early scrap for the lead, along with a trio of Yamaha-mounted challengers in JD Beach (No. 95 Estenson Racing Yamaha MT-07 DT), Dallas Daniels (No. 32 Estenson Racing Yamaha MT-07 DT) and Dan Bromley (No. 62 Memphis Shades/Corbin/Vinson Construction Yamaha MT-07).

The opening stages of the contest proved to be a battle of extreme high and low lines. The high line showed itself to be the fast track up the order initially before giving way to a high-risk, high-reward tight-rope line at the bottom.

Just prior to half-distance, Mees and Daniels (second) exploited that tricky low line to break free and settle into a rematch of their Senoia shootout. Meanwhile, Beach (17th) and Bromley (sixth) fell into a five-rider fight for the final spot on the podium after being reeled in by the charging Brandon Robinson (No. 44 Mission Roof Systems Indian FTR750 - third), Davis Fisher (No. 67 Rackley Racing/Bob Lanphere's BMC Racing Indian FTR750 - fifth) and Briar Bauman (No. 3 Parts Plus/Jacob Companies KTM 890 Duke - fourth). Daniels made a couple of determined attempts to zero in on Mees, but never

got quite close enough to make a serious attempt at an overtake. A small bobble on the part of Daniels with less than a minute remaining gave the champ a bit of breathing space. He was then ceded even more as his young rival called off the assault to accept second. The win was the 34th Half-Mile win of Mees' historic career, placing him just one short of the all-time record held by Scott Parker.

Parts Unlimited AFT Singles presented by KICKER

Trent Lowe (No. 48 American Honda/Mission Foods CRF450R) can finally call himself a Parts Unlimited AFT Singles presented by KICKER Main Event winner after repeatedly knocking on the door of that landmark achievement for years.

Lowe's maiden Progressive AFT victory headlined a race that represented a monumental reversal of fortune compared with the four rounds that led into it.

After getting off to a slower-than-expected start to the season, the American Honda-backed Turner Racing team entered the day with just one podium between its talented trio of Lowe, Morgen Mischler (No. 13 American Honda/Mission Foods CRF450R - third) and Chase Saathoff (No. 88 American Honda/Mission Foods CRF450R - second).

The three went straight to the front and turned the first half of the race into a glorified poster shoot for the team, running side-by-side-by-side.

Lowe eventually shook free while the pack closed in on second-placed Saathoff and third-placed Mischler, but they ultimately held strong to secure the podium lockout.

Defending champ Kody Kopp (No. 1 Red Bull KTM Factory Racing 450 SX-F) was fourth by a mere 0.172 seconds, and Max Whale (No. 18 Red Bull KTM Factory Racing 450 SX-F) scored fifth.

BUILD TRAIN RACE

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Royal Enfield - Build.Train.Race.

With four rounds each at MotoAmerica and AFT races this season, Royal Enfield's Women Riders 'outreach' program to bring new female talent into racing had its first Flat Track outing for 2023 at the Mission Dallas Half-Mile race at the Devil's Bowl Speedway in Mesquite, Texas, on April 22. With all racers on air/oil-cooled Bosch fuel-injected Royal Enfield INT650 parallel twins that they themselves have race-converted and prepared, star of the weekend was Morgan Monroe, who took the win by five laps ahead



of Kenzie Luker in second, ahead of Zaria Martens by 0.638 second. Rider, team and series sponsors include Parts Unlimited, Drag Specialties, S&S Cycle, chassis specialists Harris Performance Products, Arai, Öhlins Suspension and Maxima Racing Oils. The Road Race series, on Royal Enfield GT 650s, will kick off at Road America (Elkhart Lake, WI) in June. The next three BTR Flat Track races will be at the Ventura Short Track meet in California on May 6, the Mineral Wells, West Virginia Half-Mile on July 1 and the Bridgeport Half-Mile at Swedesboro, NJ, on July 22nd.

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NEWS BRIEFS

The award-winning, high-tech, Australian owned Forcite helmet brand is now available to dealers in USA through Tucker Powersports. The Forcite MK1S is described as "the world's most advanced motorcycle helmet" and is said to tout a "first-to-market smart helmet system and advanced features in audio, visual and road alert systems for motorcycle riders."

BRP has inaugurated its Sophia Antipolis (Cote D'Azur, France) European Design and Innovation Center and has had some 15 or more industrial designers, color, material and finish specialists working there since late 2022 under the leadership of Nicolas Deluy. The team will provide design services to internal BRP partners in Europe and Scandinavia. The center, which will carry out advanced concept studies on sustainable urban mobility, "will play a leading role in BRP's global electrification strategy." Acting on its CSR25 program, the company committed to a technological transition. It aims to offer electric models in each of its existing product lines and to have 50% of its units sold to be electric by 2035.

Ducati CEO Claudio Domenicali has been reconfirmed as President of Motor Valley Development for a further two-year term. MVD is the association that brings together all the two and four-wheeled brands of the Emilia Romagna region. The sector boasts some 16,500 two and four-wheel related businesses in the area, employing some 90,000 people with an annual turnover of €16bn, generating €7bn of exports for the Italian economy.

Royal Enfield's electric motorcycles are "in advanced stages of testing," according to reports. A bike coded L1C is expected to be on sale by 2025. Meanwhile, in other and almost certainly not unconnected news, RE's parent company Eicher Motors recently made a strategic €50,000,000 (10.35%) investment in Anton Wass' 2019 founded Barcelona based Stark Future SL - of insanely good Stark 'Varga' electric MX bike fame.

< Daniels in Command at Inaugural Ventura Short Track

The dream season of ascending Progressive AFT star Dallas Daniels (No. 32 Estenson Racing Yamaha MT-07 DT) continued with a convincing victory in the inaugural Ventura Short Track at Ventura Raceway in Ventura, California, on May 6 (Round 6).

Mission SuperTwins Presented by S&S Cycle

As impressive as he was a year ago as a rookie, Daniels has taken his game to the next level in 2023. The prodigious teenager extended his unblemished run of firsts and seconds this season with a calm and controlled performance.

Daniels' teammate, JD Beach (No. 95 Estenson Racing Yamaha MT-07 DT), shot off the line in first but held the position for less than a single quick lap of the 1/5-mile clay oval. Beach did well to keep Daniels honest after being dropped to second and even reeled him back in at one point. But the relentless perfection of the title leader gradually stacked up to a near one-second advantage by the time the Main Event was seven minutes deep, with reigning champion Jared Mees (No. 1 Indian Motorcycle/Rogers Racing/SDI Racing FTR750) significantly further back in third.

A red-flag reset occurred after Brandon Robinson (No. 44 Mission



Roof Systems Indian FTR750) came out the worst in a crash that saw Jarod Vanderkooi (No. 20 JMC Motorsports/Fairway Ford Indian FTR750) get into the back of Johnny Lewis (No. 10 Moto Anatomy X Powered by Royal Enfield 650), leading directly to Robinson's spill. The fallen Robinson was subsequently clipped by Sammy Halbert (No. 69 Dodge Bros. Racing/Martin Trucking Harley-Davidson XR750), forcing a stoppage in the action.

However, that didn't stop Daniels ultimately scooping up a third win of the year to go with his three runner-ups. Beach completed the Estenson Racing Yamaha 1-2, while Mees managed to score third place. Two-time Grand National Champion Briar



Mission SuperTwins presented by S&S Cycle

Pos	Rider	Bike	Points
1	Dallas Daniels	138	3
2	Jared Mees	114	2
3	JD Beach	97	1
4	Briar Bauman	94	0
5	Davis Fisher	83	0
6	Brandon Robinson	72	0
7	Jarod Vanderkooi	70	0
8	Bronson Bauman	66	0
9	Johnny Lewis	64	0
10	Ben Lowe	62	0

Parts Unlimited AFT Singles presented by KICKER

Pos	Rider	Bike	Points
1	Kody Kopp	127	3
2	Dalton Gauthier	108	1
3	Max Whale	102	1
4	Chase Saathoff	97	0
5	Trevor Brunner	93	0
6	Morgen Mischler	74	0
7	Trent Lowe	71	1
8	Tom Drane	62	0
9	James Ott	58	0
10	Justin Jones	51	0

Bauman (No. 3 Parts Plus/Jacob Companies KTM 890 Duke) was fourth, with Lewis fifth.

As a result, Daniels tightened his grip on the title fight. He opened his lead to 24 points over Mees (138-114) a third of the way into the season, while Beach moved back ahead of Bauman for third (97-94).

Parts Unlimited AFT Singles Presented by KICKER

Like Daniels, Kody Kopp (No. 1 Red Bull KTM Factory Racing 450 SX-F) earned the third win of his 2023 season as he continued his Parts Unlimited AFT Singles presented by KICKER title defense in stellar fashion.

He was pushed to the brink by a hungry Chase Saathoff (No. 88 American Honda/Mission Foods CRF450R) and after hectic early laps the two got free from Saathoff's Turner Racing teammates, Morgen Mischler (No. 13 American Honda/Mission Foods CRF450R) and Trent Lowe (No. 48 American Honda/Mission Foods CRF450R). From that point on, the race became a two-rider duel for top honors, with Kopp taking the win.

Mischler held off Kopp's charging teammate Max Whale (No. 18 Red Bull KTM Factory Racing 450 SX-F - fourth) to pick up third place for a second consecutive podium, while Estenson Racing Yamaha's Trevor Brunner (No. 21 Estenson Racing Yamaha YZ450F) charged his way forward to fifth after getting off the line in ninth.

Next Up: The series stays in California for one more race - the Sacramento Mile on May 13 - then swings on to the Red Mile at Lexington, Ky., on May 27. After another three-week gap, Round 9 will mark the half-way point in the 2023 Championship with the last in the sequence of Mile races at DuQuoin, Ill., on June 17. After which the first of a four-race run of Half-Miles kicks-off with the popular Lima, Ohio Half-Mile on June 24, followed by the West Virginia Half-Mile at Mineral Wells, WV, on July 1st and the Orange County Half-Mile at Middletown, NY, a week later (July 8).

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Cobra USA: Freeway Case Guard

Dunlop: American Elite Front/Rear Tires

Klock Werks: 4" Red Flare™ Windshield, Klip Hanger Handlebars, iO Mount Kit

Legend Suspensions: 13" REVO ARC

Remote Reservoir Standard Shocks, AXEO21 49mm Front Suspension Kit

Rekluse: RadiusX Clutch Kit

Rough Crafts: Cam Cover, Rocker Box Lids

Thrashin Supply: TSC Shifter Peg

Saddlemen: Tour Step-Up Seat, Mounting Knob

Vance & Hines: FP4¹, VO2 Falcon Air Cleaner², Hi Output 2-into-1 Brushed Stainless Exhaust System¹

Wild Boar Audio: Complete Speaker & Amplifier Kit w/ Saddlebag Lids

Check out more details on this bike at various rallies and events throughout the year; or log onto dragspecialties.com/bike-builds to view the complete parts list.

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NEWS BRIEFS

Energica Motor Company has delivered its first shipments to Japan and Australia - deliveries include Energica's newest model, the Experia. In Japan it has signed a strategic partnership with importer Estar & Co., Ltd., who has opened a mono-brand showroom in Kobe, on the man-made Rokkō Island. It showed the 2023 Energica range at the Tokyo Motorcycle Show in March. Energica has partnered with Australian Electric Motor Co. to import its electric motorcycles into Australia and New Zealand. From its HQ on the Gold Coast, AEMC is developing a network of dealers throughout the continent. Additionally, Energica recently introduced its products to the Pakistan market.

Yamaha Motor has announced an investment in Andes Ag, Inc., a U.S.-based start-up pursuing research into beneficial microorganism technologies to remove CO2 from the air. This marks the first investment made through the \$100m Yamaha Motor Sustainability Fund, established in June last year specifically for investing in early-stage companies working to address climate change. This investment in Andes was made possible through Yamaha Motor's Silicon Valley-based group company Yamaha Motor Ventures (YMV), the corporate venture capital arm of Yamaha Motor Company.

In its 75th anniversary year, Honda has won Red Dot Design awards in the Product Design category for the European designed CB750 Hornet and XL750 Transalp models. Honda's design team in Rome created the CB750 Hornet "as a new, contemporary expression of technical beauty with sharp lines and aggressive angles." In addition, the XL750 Transalp received top honors from the Red Dot jury. Marking a return of the Transalp name to Honda's motorcycle line-up after nearly a decade, the XL750 Transalp "brings the comfortable do-it-all crossover to a new generation of riders. Built around the same all-new 755 cc parallel twin-cylinder engine as the Hornet, it faithfully references the iconic 1986 original XL600V Transalp, but with an unmistakably modern look, thanks to the sculpted fairing and screen."

Kyle Wyman Bags KOTB Double Header



The latest round of the MotoAmerica King Of The Baggers series, at the Michelin Raceway Road Atlanta in Braselton, Ga. (April 22-23, 2023), saw Kyle Wyman take two convincing series wins and set three lap records as the Harley-Davidson Screamin' Eagle factory rider took the series points lead.

Wyman has now won three consecutive races on the team's race-prepared Road Glide. Wyman paced the field in Friday's qualifying session on the 2.55-mile Road Atlanta course, setting a new track record for the King Of The Baggers class with a lap of 1:30.427. Wyman took the lead at the start of the eight-lap Saturday race and pulled away from the field, opening a gap of 2.67 seconds by lap 5 and breaking his own track record with a best lap of 1:30.304.

Factory Indian racer Tyler O'Hara finished second, 3.09 seconds behind Wyman. Hayden Gillim finished third on the Vance & Hines Racing Road Glide. H-D Screamin' Eagle factory rider Travis Wyman finished in sixth place.

On Sunday (Round 4), it was O'Hara leading the field from the start, with Kyle Wyman on his rear tire. But before the end of the first lap, O'Hara ran off the track as Wyman challenged him on the brakes in turn 6, with O'Hara ultimately overshooting the turn. Kyle then began to pull away from the field and led by 2.56 seconds after lap 4 and set yet another class record with a best lap time of 1:30.036. O'Hara recovered to finish second, 1.83 seconds behind Wyman, with Bobby Fong finishing third on the Roland Sands Indian. Gillim and James Rispoli finished fourth and fifth respectively on their Vance & Hines Racing Road Glides. Travis Wyman finished seventh on the Factory Harley-Davidson Road Glide.

After four of 14 rounds in the series, Kyle Wyman leads the championship with 75 points, followed by Rispoli with 67 points and Gillim with 65

points. O'Hara sits in fourth place with 61 points. Team Saddlemen Harley-Davidson rider Jake Lewis is fifth with 37 points.



MotoAmerica KOTB Results - Road Atlanta Race 1

1. Kyle Wyman (H-D) Screamin' Eagle Harley-Davidson
2. Tyler O'Hara (Ind) Progressive/Mission Foods
3. Hayden Gillim (H-D) Vance & Hines Racing
4. Bobby Fong (Ind) Sacramento Mile/SDI Racing/Roland Sands
5. James Rispoli (H-D) Vance & Hines Racing
6. Travis Wyman (H-D) Screamin' Eagle Harley-Davidson
7. Jake Lewis (H-D) Team Saddlemen
8. Max Flinders (Ind) M3/Revolution Performance
9. Kyle Ohnsorg (Ind) Roland Sands Design
10. Hawk Mazzotta (Ind) Lloyds Garage

Source: H-D/Paul James

MotoAmerica KOTB Results - Road Atlanta Race 2

1. Kyle Wyman (H-D) Screamin' Eagle Harley-Davidson
2. Tyler O'Hara (Ind) Progressive/Mission Foods
3. Bobby Fong (Ind) Sacramento Mile/SDI Racing/Roland Sands
4. Hayden Gillim (H-D) Vance & Hines Racing
5. James Rispoli (H-D) Vance & Hines Racing
6. Jeremy McWilliams (Ind) Progressive/Mission Foods
7. Travis Wyman (H-D) Screamin' Eagle Harley-Davidson
8. Kyle Ohnsorg (Ind) Roland Sands Design
9. Jake Lewis (H-D) Team Saddlemen
10. Patricia Fernandez (H-D) Team Saddlemen
11. Eric Stahl (H-D) Jiffy Tune Racing



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NEWS BRIEFS

In partnership with Cardo, Ducati's new communication system V3 intercom offers enthusiasts "the most innovative communication technologies - such as Dynamic Mesh Communication (DMC) connectivity - without sacrificing the unmistakable Ducati red. The streamlined, antenna-free silhouette makes this intercom aerodynamic, improving comfort, silence and aesthetics, and the magnetic mount for attachment to the helmet simplifies installation."

Honda has confirmed the return of its miniMOTO, Scooter and Trials models - Ruckus, Metropolitan and Montesa Cota - with engine updates for a returning retro-inspired Trial125.

Nitro Circus will "bring motorcycle stunt mayhem" to the H-D Homecoming Festival from July 13 to 16 as the Motor Company marks its 120th anniversary with a non-stop, action-packed freestyle motocross show on the Milwaukee lakefront Veterans Park. In addition to elite moto-athletes performing insane ramp tricks and heart-racing stunts as they push themselves to their limits, the Ives Brothers Wall of Death is also scheduled for performances - along with Foo Fighters (Sat., July 15) and Green Day (Fri., July 14).

Derek Brooks of Yamaha and John Hinz of KTM have been elected to serve as Chair and Vice Chair respectively of the MIC Board of Directors. Jim Woodruff, CEO of NPA remains secretary and treasurer. MIC also welcomes new board members Bill Savino, senior manager of sales support for American Honda Motor Co., Inc., and Eric Sievers, director, sales planning and analysis at Kawasaki Motors Corp., USA as retiree replacements for Chuck Boderman and Bill Jenkins.

Polaris has announced the RZR Pro R Factory - described as the powersport's industry's first purpose built, race-ready UTV. It is an evolution of its class-leading RZR Pro R, featuring "race-tuned power, desert-proven strength and unmatched control."

2023 Mission Foods AMA Flat Track Grand Championship

The 2023 Mission Foods AMA Flat Track Grand Championship will be staged at the Du Quoin State Fairgrounds in Du Quoin, Illinois, on June 14-20. Pre-registration is open and closes at the end of May.

"The premier amateur flat track event in the United States, the GNC traces its roots to 1975," said AMA Track Racing Manager Ken Saillant, "and sees the AMA host different ages and classes with the only chance to earn an AMA National No. 1 plate in amateur flat track racing."

The annual event includes four



disciplines of flat track racing: Short Track, TT, Mile and Half-Mile.

In addition to AMA National No. 1 plates, the Nicky Hayden AMA 'Flat Track Horizon Award' - given to the most promising amateur rider on the verge of transitioning to the professional ranks - will be awarded following the seven days of racing. The AMA 'Fast Brain Award', AMA 'Vet/Senior Racer of the Year' and AMA



'Youth Racer of the Year' will also be announced.

American Flat Track (AFT) will bring pro-level action on Saturday, June 17, with a Grand National Mile where the sport's stars will take to Du Quoin's legendary "Magic Mile."

AmericanMotorcyclist.com

S&S to Sell Off-Road Product Through WPS

Western Power Sports (WPS - Boise, Idaho) has struck a deal with S&S Cycle to distribute its burgeoning range of off-road exhaust systems and performance parts to U.S. dealers through the seven-strong WPS warehouse network. "At a previous company, I sold S&S for 15 years, I know its high-quality products and long history in V-twin, and I'm thrilled to bring the brand to WPS," said Ronnie Wehr, Senior Vice President of Sales for WPS.



Ronnie Wehr

"It's an exciting opportunity to take a well-known company and help grow its presence in a new market. Our sales team is known for growing brands into powerhouses, and we hope to do that for the S&S Cycle off-road division."

The initial product offerings include XTO exhaust and tuning inserts that customize exhaust power and sound, and a clutch and billet fuel rail kit for



Eric Bondy

Kawasaki. WPS will also distribute S&S' Kawasaki KRX turbo kit. It offers, what is already one of the most durable and well-sorted 1000 cc SxS in the space, a 50% bump in horsepower.

"We're very excited to have been able to agree an open-ended partnership with the team at WPS, so they can offer their dealers our expanding



line-up of off-road performance products," said Eric Bondy, Vice President of S&S Cycle. "S&S and WPS are a great fit, and we're looking forward to getting these awesome performance products into dealerships and the consumers' hands!"

Ronnie Wehr went on to say that "this partnership supports WPS' strategy to offer dealers the best, most comprehensive high-performance products nationwide. The UTV and ATV industry is growing, and our customer demand for customized, personalized parts is growing with it."

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Bagger Racing League - Drag Specialties Battle of the Baggers, Pittsburgh

Bagger Racing League's 2023 season-opening Drag Specialties Battle of the Baggers race at Pittsburgh (May 6) was the largest attended race in BRL's history. Held at the Pittsburgh International Race Complex, the race, at one stage, had a two-mile long line of vehicles waiting to get in!

Featuring teams and racers from Australia, Canada and across the United States, the two-day motorcycle race festival featured a double header of Bagger Racing (Rounds 1 and 2 of the five-race 2023 BRL series) and "exciting fan experiences, on and off the track."

Along with the racing action, there was a successful kick-off party at presenting sponsor New Castle Harley-Davidson, "Boonie" minibike races hosted by ICON Motorsports and a double-feature bike show that was hosted by Pittsburgh natives Cycle Source Magazine and Hardcore Cycles - showcasing the area's best-



customized motorcycles.

"We're excited to see the culture, competition and community of the Bagger Racing League growing at such a rapid rate," said Rob Buydos, creator of bagger racing and president of the BRL.

"Heading into our third season, bagger racing isn't so much of a



novelty sport anymore. Our goal is to always improve the scale and quality of our race events and provide everyone with an unforgettable experience. Judging by the line of vehicles and motorcycles waiting to get into this weekend's race, we appear to be on the right track."

The race weekend also provided equal doses of drama and excitement as top bagger race teams, including defending 2022 champions Trask Performance of Arizona, Alloy Art and Feuling Parts from California, Wisconsin's Suburban Harley-Davidson, debutant Lloydz Performance, and many others, battled it out at one of the nation's most challenging road courses.

Next Up - July 15-16 at Blackhawk Farms Raceway in South Beloit, IL, another double header race weekend, followed by the season finale fifth round at the world famous Willow Springs International Raceway north of Los Angeles ("The fastest Road in the West") at Rosamond, California, on November 18-19.

www.baggerracingleague.com



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Drag Specialties Battle of the Baggers - Pittsburgh, Round 1 (May 6)

Andrews Products American Twins Unlimited

1. Cory Cowan | Alloy Art
2. Josh Baird | Lloydz Performance
3. Craig Braymiller

DP Brakes F/S Cup

1. Cory Cowan | Alloy Art
2. Josh Baird | Lloydz Performance
3. Ben Carson | Suburban Harley-Davidson

ICON Motorsports Lightweight Twins

1. Anthony Bangma
2. Carson Brown
3. Jake Masters

Namz Cycle Products Bagger GP

1. Shane Narbonne
2. Hawk Mazzota
3. Ben Carson

Drag Specialties Battle of the Baggers - Pittsburgh, Round 2 (May 7)

Andrews Products American Twins Unlimited

1. Lucas
2. Robert Parker

DP Brakes F/S Cup

1. Cory Cowan
2. Ben Carson
3. Josh Baird

ICON Motorsports Lightweight Twins

1. Carson Brown
2. Cody Gilmore
3. Megan Anderson

Namz Cycle Products Bagger GP

1. Benny Carlson
2. Jesse Janish
3. Hawk Mazzota



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On A Mission to Secure Buell Race Bikes for Barber Museum

Sweden based family company, Buell specialist and 'Flame Keeper' NCCR has announced a mission to secure Erik Buell's EBR 1190 IOMTT and WSBK race bikes for the Barber Motorsport Museum.

With help of Buell fans worldwide, project 'BringTheBikesHome.com' aims to be able to donate three EBR 1190 race bikes to the Barber Collection. The donation will be supported by a raffle of 100 Erik Buell Racing memorabilia prizes, including an original EBR 1190 RS race bike. Limited posters and booklets accompany each raffle slot.

The donation ceremony at Barbers Advanced Design Center, with Erik Buell and former Buell racer Mark Miller as guests of honor, will be on the 20th of May 2023 at the MotoAmerica weekend.

Erik Buell is quoted as saying: "Barber Motorsport Park is an incredible American treasure and represents George Barber's supreme passion for motorcycles and motorcycle racing. I cannot express enough my gratitude that in the Barber Museum he has built the quintessential display of Buell and EBR motorcycles and memorabilia.

"Adding these EBR racers is the perfect topper, as the 1190 RS represents my decades awaited ultimate American superbike. John

Dimbylow with Splitlath Motorsport and his riders did a tremendous job bringing it to iconic races like the Macau GP and the Isle of Man."

For the Barber Motorsport Museum, Nick LaCasse said: "Erik Buell's story of developing and building the American sports bike is an important part of U.S. motorcycle history. We have a long-standing relationship with Erik and are proud to have a collection of his work. From now, being able to tell the story of EBR's Isle of Man TT Racing, and having one of the original World Superbikes on display is an exciting addition to our collection."

Jens Krüper of NCCR in Sweden (Northern Classic, Custom & Race AB) explained: "When we took over the inventory from British race team Splitlath Motorsport, Barber Motorsport Museum was the first on the list to contact. Nowhere else is the heritage of Erik's work better represented than in its collection. The Barber Museum had proved for many years that it gives the bikes from East Troy/Wisconsin the space and attention they deserve.

"The bikes mark the peak in V-twin road racing technology and competed in some of the world's most difficult races. To preserve that history, make it accessible for the public and tell the stories, Barber is by far the best place."



The NCCR name should sound familiar. Two years ago, some 30 years after Ducati's legendary but limited production Supermono demonstrated the potential of converting a V-twin engine into a balanced single-cylinder, Jens and his NCCR team unveiled a new NCCR Rotax/Buell 'Helicon' SuperSingle - performing the same trick as Ducati on the Rotax made Buell Helicon engine.

The Helicon was the basis of the final generation of original Buell machines, including the 2007-on 1125R and 1125CR, and went on to form the basis of the Erik Buell Racing 1190 models that emerged from the ashes after Harley-Davidson closed Buell in the wake of the 2008 financial crisis, with power ranging from 146 hp to 185 hp.

Jens and Northern Classic, Custom & Race was EBR's European partner. The company looks after the original EBR WSB race bikes, and the EBRs that



competed at Macau and the IoM TT. NCCR plans to make these converted V-twin single engines available along with chassis kits and may even offer complete machines.

Located at Hay-on-Wye/Wales in the United Kingdom, the Splitlath Motorsport Team raced from 2014 on the EBR 1190 RS at the Macau GP, on the IoM TT and at the Chinese Pan Delta series with mostly American riders like Cory West, Brandon Cretu, Shelina Moreda and Mark Miller. From 2015 on, Splitlath was the Erik Buell Racing (EBR) factory race team.

www.BringTheBikesHome.com



Indian Motorcycle DTRA Europe Hooligan Race Team

Indian Motorcycle has announced that it is to continue its support for the growth of Hooligan Racing in Europe with the Hooligan class now to be renamed the Indian Motorcycle

Hooligan Championship 2023.

Following the recent U.S. race team announcements, it has announced the signing of Jamie Kimber and Gerard Bailo to contend the 2023 DTRA Hooligan class in Europe. Indian Motorcycle also continues its long-term support and promotion of flat track racing in Europe with sponsorship that sees the class renamed as the 'Indian Motorcycle Hooligan Championship 2023'.

Indian Motorcycle says its continued partnership with the DTRA (the UK based Dirt Track Riders Association) will "help to ensure the future of grassroots motorcycle sport and the development of youth riders in Europe. As a result, European flat track racing has grown substantially in recent years, being one of the most accessible and respected entry points to the sport outside of North America."

Anthony Brown, DTRA founder,

commented: "Indian Motorcycle has helped to grow the Hooligan class in the DTRA since its inception and we are honored and happy to have them along for the ride in 2023. It will be great to see a mixture of UK and overseas riders battle it out on Indian Scouts and FTRs against the rest of the Hooligan field. With some new tracks and events to be announced in the coming weeks, the 2023 Hooligan Championship is set to be the best one yet."

Jamie Kimber is an Indian Motorcycle Academy scholarship graduate, riding the Indian Scout Hooligan for the 2022 season, scoring 4th in the overall championship. She will ride the Indian FTR as a fully-fledged member of the team in 2023.

Gerard Bailo started in Supermoto racing, but has been committed to Flat Track since 2017. He had his best season in 2022, winning the FIM Flat

Indian
MOTORCYCLE RACING

TrackWorld Championship. Gerard will compete in the Indian Motorcycle Hooligan series aboard the Indian FTR 1200 prepared by S&S Cycle.

The Dirt Track Riders Association has announced dates for a full series of seven rounds in 2023, and there will be five Hooligans rounds.

The Dirt Track Riders Association (DTRA) is run by riders and racers to promote European flat track racing. The series has grown year on year and is gaining popularity with riders from all disciplines of motorcycle sport from Rookie riders to Pro racers. The DTRA has been instrumental in growing all forms of dirt track racing outside of the USA and the DTRA supported 'Indian Motorcycle Flat Track Series' has grown to become the largest amateur championship outside of North America.

www.dirttrackriders.co.uk
www.indianmotorcycle.co.uk



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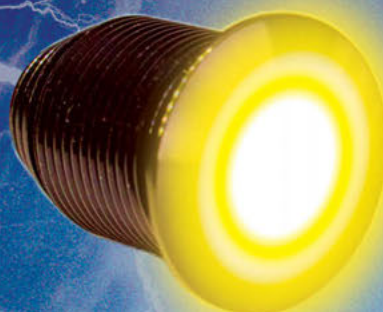
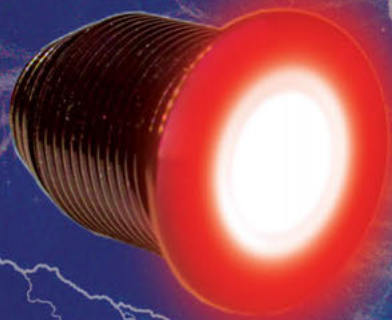
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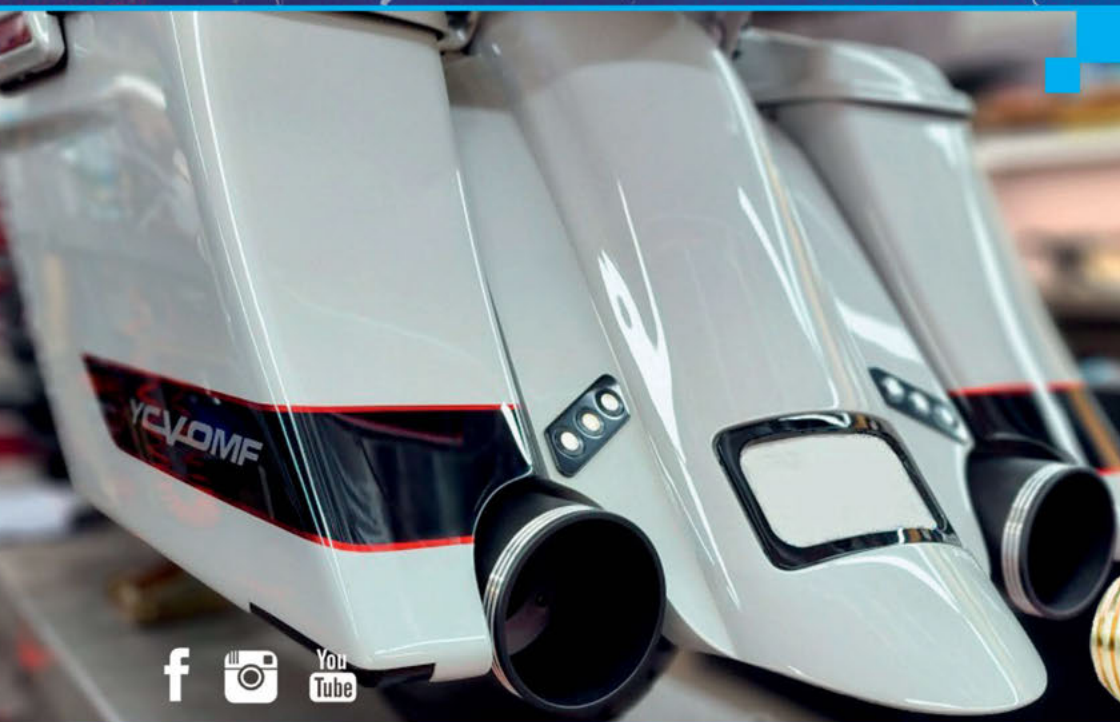
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HardDrive/WPS Adds Shinko 'Long Haul' Cruiser Tires

Manufactured to WPS/HardDrive specifications, the SR999 Long Haul "targets the motorcycle rider craving a high-mileage tire with advanced handling and a sturdier ride for cross country trips."

WPS/HardDrive is the exclusive U.S. distributor of Shinko tires, and this new addition to the cruiser segment of WPS' portfolio of Shinko sport bike, cruiser, scooter, off-road, and dual sport tires is offered in 19 sizes, front and rear.

"Designed for the cruiser rider looking for exceptional tread life and performance, features include an all-new rubber compound formulated for high mileage and inspiring grip. Functional tread grooves are said to deliver superior traction in wet and dry conditions, with a reinforced carcass



Richard Kelsey, Director of Sales, Tire and Wheel

for a stable and planted feel with Aramid belting providing ample load capacity while also providing stability."

"We have helped to grow and develop the Shinko brand in the U.S. and have a great relationship with the company," said Richard Kelsey,

Director of Sales, tire and wheel, at the Boise, Idaho headquartered distributor.

"Most of their cruiser tires are sold in America, so when we wanted to develop a long-haul tire for U.S. terrain and conditions, they were right there with us. Shinko has owned the performance cruiser segment, and consumers know and trust the SR777 line. The SR999 Long Haul tire is a great alternative for the rider looking for higher mileage on cross country rides," Kelsey said.

Headquartered in Osaka, Japan, the Shinko Group purchased the motorcycle tire technology and molds



from Yokohama Rubber Co. and began production of the Yokohama motorcycle tire line under the Shinko name in 1998.

"With manufacturing based in South Korea and design based in Japan, the company has seamlessly combined Japanese engineering and design principles with South Korean production and quality control standards. Today Shinko Tires produces approximately 200,000 motorcycle tires per month. The company continues to build on the foundation of Yokohama's technology, conducting R&D in Japan. The Yokohama Rubber Company, Limited was founded in 1917 and began manufacturing tires under a joint venture between Yokohama Cable Manufacturing and B.F. Goodrich."

Yamaha - Recycled Polypropylene as a Raw Material

Following its announcement about the use of Green Aluminum in motorcycle component manufacturing, Yamaha Motor has followed that up with news that it has succeeded in developing a high-quality and environmentally-friendly recycled polypropylene (PP) material, which can be used for the main exterior bodywork of motorcycles. The company will begin using the new raw material with the main 2023 commuter models for ASEAN markets.

This eco-friendly recycled PP material is made only from pre-consumer materials with a traceable manufacturing history and no risk of containing environmentally hazardous substances, such as the purging compounds and scraps that are generated in the production processes



of petrochemical and molding manufacturers.

Resin materials are often used for the exterior bodywork of motorcycles, and PP materials account for about half of these parts, making it a major raw

material for the company. Yamaha Motor has been driving the development and the use of recycled PP in its products for some time now, but this newly developed material offers even higher levels of strength

and quality looks compared to conventional recycled materials. It can also be used for areas requiring greater aesthetic appeal.

With the use of this eco-friendly recycled PP going forward, Yamaha Motor plans to raise the usage ratio of such recycled materials in motorcycles and gradually adopt the material in other product categories as well.

In line with the Yamaha Motor Group Environmental Plan 2050, Yamaha is aiming to achieve carbon neutrality throughout all of its business activities, including its entire supply chain, by 2050. To realize this, the company has set a goal of switching to 100% sustainable materials by 2050 and will expand its efforts to adopt green and other recycled materials for its products.



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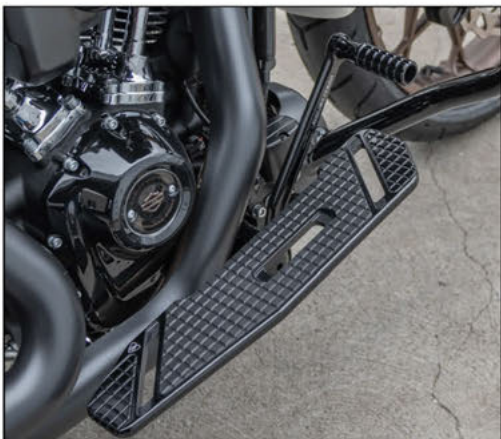




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HiSun Pouring Money Into Entering V-twin Motorcycle Market

HiSun might not be a name that is familiar in the motorcycle market, but buyers of ATVs and side-by-side UTVs might well know the company. It already has a 7.1 million sq ft factory making four-wheelers and a U.S. distribution subsidiary (HiSun Motors Corp., U.S.A.) at McKinney, Texas.

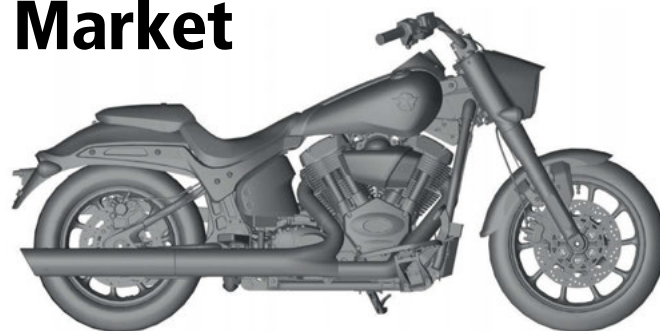
However, it would appear that HiSun's parent company, Chongqing Huansong Technology Industry Co, is now turning its attention to motorcycles. The parent company is

'filings show the former S&S owned X-Wedge 60-degree V-twin'

the main shareholder of a new motorcycle brand - Chongqing Weiqi Technology - and developing a range of large-capacity V-twin machines. The company was established in 2020, with an opening investment of 100m yuan (around \$15m) from five shareholders, led by Chongqing Huansong and its owners.

While we don't yet know what the Chongqing Weiqi's bikes will be called, the new company has applied for several trademarks, including a graphic 'X' logo and two names, 'Knight' and 'Whiskey', for upcoming models.

Designs for two bikes have been registered so far by the company, as well as the visual appearance of the S&S V-twin engine that it appears to be intending to use. The first model is a Fat Boy-style cruiser, the second a



full-dress tourer along the lines of the Harley Ultra Limited. Both use the same Softail-style frame, with hidden rear suspension, and the same engine which carries the S&S logo and '121' badges, showing it to be the 121 cubic

open up engineering and manufacturing bandwidth for a more diverse product line, with the IP and all manufacturing equipment subsequently sold to HiSun Motors in 2020.

Although we're yet to see these bikes in the metal, the design images show machines that could easily pass for American V-twins, and with 121 cu in (nearly 2,000 cc) engines, they're promising to be the largest motorcycles yet to come from a Chinese brand.



inch version of S&S's 60-degree X-Wedge design.

According to sources at S&S Cycle, the X-Wedge engine family had been removed from their lifecycle plan to

'Tires. Shop. Service' Catalog

Tucker Powersports has updated its popular 'Tires. Shop. Service' catalog and at 920 pages of detail it is cross-reference Nirvana for professional motorcycle workshops of all kinds - including V-twin shops.

Taken with the 'Tucker V-twin' catalog, this adds up to as complete a V-twin dealer's shopping experience as could be wished for.

In addition to a wide selection of ADV tire options for Harley's Pan America, cruiser tire brands in inventory at Tucker's distribution centers include Dunlop, Kenda, Bridgestone, Continental and 'get-them-while-you-can' Avons, following the news that the historic Avon factory in the UK is closing (has closed already?) so far there is no news as to whether or not owner Goodyear intends to make them elsewhere or kill off the brand entirely.

Workshop and service supplies include V-twin air and oil filters (K&N, S&S, Maxima ProFilters, Twin Power, BMC), batteries (Yuasa, Shorai, Antigravity, BikeMaster and Twin Power Max and Shockers), electricals (NAMZ, BikeMaster, NGK, DEI), oils (Twin Power, VP Racing, Maxima, Motorex, Silkolene), chemicals and cleaners, hardware (Bolt, Gardner-Westcott, Colony), shop equipment and supplies (K&L, JIMS, BikeMaster) and specialty V-twin tools from the likes of MotionPro, JIMS, Feuling, NAMZ and Kibblewhite).

www.tucker.com





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Roberto Santiago Assumes Key Account Manager Role at S&S Cycle



S&S Cycle has announced a promotion for Roberto Santiago to the newly created Key Accounts Manager role.

"Rob has more than proven himself within the organization, and we're excited to see him take on a broader role. Going forward, he will be the primary point of contact for a number of major accounts including distributors, E-com and OEM customers," said VP of Sales Eric Bondy.

Roberto joined S&S Cycle in 2017, initially working from its Viola, Wisconsin headquarters and then assuming responsibility for Southwest dealer and rep support. Roberto is also a fixture at the S&S rally rig during shows like Daytona and Sturgis Bike Weeks and will continue to support consumer-facing events as time allows.

Going forward, industry stalwart and S&S Territory Manager Scott Hakins will assume much of the dealer and rep support in the Southwest.

www.sscycle.com

Andrews Sponsors Bagger Racing League Big Twin Class

Mount Prospect, Illinois based camshafts, transmission and gears specialist Andrews Products is bringing "elite performance products" to the Big Twin Class at the Bagger Racing League as an Official 2023 Series Sponsor.

"We are thrilled to have Andrews Products as an official sponsor of Bagger Racing League for 2023," says BRL founder and President, Rob Buydos. "As one of the top aftermarket manufacturers of performance parts for Harley-Davidson motorcycles, Bagger Racing League is the ideal platform to showcase how its industry-leading innovation, engineering and quality translates to performance both

on and off the track.

"Bagger Racing League continues to be the nation's premier racing league for custom and performance V-twin motorcycles. As one of the fast-growing racing events in motorsports, Bagger Racing League has garnered the reputation as the 'racers' league' featuring more classes, competitors and pure racing action of its kind."

Mike Pedersen, General Manager of Andrews Products, said: "At Andrews Products, we are committed to pushing the boundaries when it comes to engineering design and manufacturing technology both on and off the track. Bagger Racing League has taken the



Mike Pedersen, Andrews Products General Manager



world of motorcycle racing by storm with its unique style of racing at the nation's top road tracks and we are excited to be an official sponsor."

Following the double header at the Pittsburgh International Raceway in early May, the series moves on to the Black Hawk Farms Raceway at South Beloit, Illinois, for another double header on July 15 and 16 before wrapping its five-race 2023 series at Willow Springs International Raceway at Rosamond, California, on November 18-19.

www.andrewsproducts.com
baggerracingleague.com



Andrews offers multiple bolt-in cam grind options for use with or without high lift valves in all Harley M-8 (and prior) engines from 107" M-8 right up to 143". In 124" and 128" big bore kits, Andrews cams are designed to "allow riders to take full advantage of increased cam duration and timing to better match the increased capacity, providing great low-end torque and power through the entire rpm range." The M-8 554 cam seen here delivers 173 ft/lbs max. torque at 3,700 rpm and 155 hp max. power at 5,600 rpm in a 143" engine. Andrews cams can be installed with stock pushrods, but the recommendation is to upgrade to its E-Z install chrome-moly designs.



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Budweis Indian Motorcycle Custom Show

Following our report two months ago about the innovative Indian Riders Fest (IRF), Indian Motorcycle in Europe has released more information about the second edition of the Budweis Indian Motorcycle Custom Show being staged as a centerpiece of the event.

The highly anticipated event will showcase the exceptional craftsmanship of European custom bike builders and Indian Motorcycle dealers.

It will take place during the IRF in České Budějovice (Budweis), Czech Republic, June 9-11, 2023.

Indian Motorcycle Europe says that "with the IRF already expected to be the world's largest gathering of Indian Motorcycle owners, the Budweis Indian Motorcycle Custom Show is a huge stage for builders to show the world their skills and vision with entirely transformed bikes, insane custom motorcycle concepts, unusual design projects or spectacular masterpieces.



Conferred as President of Honor of the panel will be Ola Stenegård, Director of Industrial Design for Indian Motorcycle. His passion for customization is evident from his long history of producing show-winning builds - including participation in the AMD European Championship "back in the day!"

"In recognition of the developing profile of the Budweis Indian Motorcycle Custom Show, American Motorcycle Dealer has confirmed its "AMD Approved" status to the show, making it one of just four shows to receive this accolade so far."

As a new event to the 'AMD Family', the Indian Riders Fest and its associated Budweis Indian Motorcycle Custom Show "has made great progress in terms of its status, backing and profile in the past 24 months. It represents a genuine first for AMD, and for the international custom motorcycle market in general, as the first show that is 100 percent dedicated to past and present Indian motorcycles," said Robin Bradley, Editor-in-Chief, American Motorcycle Dealer.

The Budweis Indian Motorcycle Custom Show is committed to showcasing young, rising and experienced custom builders with wild creativity and is open



to all - regardless of experience or background. Prominently positioned next to the main stage, all participating bikes will be assessed by the international judging panel in six distinct classes, allowing each motorcycle to be judged on its own merits.

Chairing the judging panel will be **Onno Wieringa**, founder and owner of Madness Photography. Onno, an ambassador for AMD, has decades of knowledge and experience from running and judging many shows over several years. **Conferred as President of Honor of the panel will be Ola Stenegård, Director of Industrial Design for Indian Motorcycle**, whose passion for customization is evident from his long history of producing show-winning builds.

"The custom world is on fire with cool builds based on every Indian Motorcycle model. Chops, bobs, baggers, trackers, you name it. The scene is just exploding with creative energy, and I'm super-stoked to see what builders will bring to the Budweis Indian Motorcycle Custom Show to display their creativity, skills and craftsmanship," commented Stenegård. The 'Best in Show' at the Budweis Indian Motorcycle Custom Show will be awarded to the most outstanding build, combining the best elements from all six classes. This is the ultimate prize, awarded to the builder whose motorcycle stands out as the most exceptional and innovative creation at the Indian Riders Fest 2023.

"This is an excellent opportunity for builders to showcase their passion for Indian Motorcycle and to be recognized by a panel of international experts from across the custom motorcycle industry." For more details and to complete the official entry form, please visit:

www.budweiscustom.show
www.IndianRidersFest.eu



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Best Bagger

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Best Indian Vintage up to 1953

All customized/modified vintage Indian motorcycles based on original model built until 1953, symbolizing the proud heritage of Indian Motorcycle.

Best FTR/Sports Bike/Streetfighter

All custom bikes with an original Indian Motorcycle engine produced after 2013.

Best Killer Look

The best paint job, surface enhancement like engravings, 3D metal artworks, hydrofoil - "push it further than just a custom airbrush."

Best in Show

'Best of the Budweis Indian Motorcycle Custom Show' will be awarded to the most outstanding build, combining the best elements from all six classes.

Although ride-in entries will be accepted during the show until Saturday June 10, pre-registration is highly recommended as it provides entrants with three free entry tickets to the Indian Riders Fest 2023. Pre-registration closes on Wednesday, 31 May 2023.

www.budweiscustom.show
www.IndianMotorcycle.eu



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Burly Brand's iconic slammed look, the look they have been known for for over a decade, is expanding to the M8 Softail segment! The all-new M8 Softail Slammer Shock and Slammer Fork Kit is designed to give Harley-Davidson Milwaukee-Eight (M8) Softail riders the ultimate "slammed" look that is sure to turn heads on the road.

M8 Softail Slammer Shock: \$479.95

M8 Softail Slammer Fork Kit - \$124.95 (conventional) & \$134.95 (inverted)

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Harley Adds Limited Edition Enthusiast 'Fast Johnnie' and Electra Glide 'Highway King' to Icons Collection Premium Offerings

Conceived as an exercise in premium brand desirability, and a chance to perpetuate its premium priced paint programs, Harley has added to its Enthusiast Motorcycle Collection of limited run bikes featuring factory-direct custom paint and graphic treatments and to its once a year, limited edition classic Harley homage Icons Motorcycle Collection.

Fast Johnnie Glide ST



Celebrating high performance 1960s and '70s muscle car culture and its racing heritage, the 2023 addition to the Enthusiast Motorcycle Collection is 'Fast Johnnie' - a limited edition trio of Low Rider ST, the Street Glide ST and

'1960s and '70s muscle car culture'

the Road Glide ST motorcycles executed in Celestial Blue with white racing stripes, with combined production limited to no more than 2,000 of each model globally. "Enthusiast Motorcycle Collection models celebrate Harley-Davidson

riders and are inspired by their stories and legacies. The 'Fast Johnnie' paint scheme taps into iconic design themes featured on high-performance muscle cars and pony cars of the 1960s and 1970s - contrasting 'racing' or 'rally' striping over a bold base color, and a clever or symbolic character or logo incorporated into the graphics package.

"Both elements served to create an obvious visual difference between the high-performance version of a car and the standard version of the same model. The 'Fast Johnnie' character applied to the left side of the fuel tank also appears on the Harley-Davidson Screamin' Eagle factory team motorcycles raced in the MotoAmerica

King Of The Baggers series.

"It was inspired by the story of a piglet named Johnnie adopted in 1920 by Harley-Davidson racer and member of the infamous 'Wrecking Crew,' **Ray Weishaar**, which became a team mascot. The piglet often perched on a motorcycle fuel tank for a post-race victory lap and is usually cited as the source of the 'Hog' moniker that to this day is often applied to anything Harley-Davidson."

Brad Richards, Harley-Davidson Vice President of Design and Creative Director, said: "The striping graphic effect is a powerful signal to the generation that came of age during

this era and is still impactful today.

"The Celestial Blue base color selected for 'Fast Johnnie' recalls a popular tone from the muscle car era. For the graphic striping, we created a custom white color formulated to authentically reflect the era, executed in a classic thin-wide-thin pattern on the sides and top of the motorcycle bodywork. The look is a nod to pure Americana."

On the tank and front fender, the "Harley-Davidson" script replaces one of the thin stripe elements. Depending on the motorcycle model, the striping

'named for a piglet named Johnnie'

Fast Johnnie Road Glide ST



is applied to the front and rear fenders, the fuel tank top and sides, the front of the fairing and the side covers and saddlebags. The Enthusiast Motorcycle Collection logo is on the rear fender. All three are built on the M-8 117 powertrain platform. The Low Rider ST "is an American V-Twin sport-touring bike for the rider who digs clean-and-lean West Coast style - connecting these riders with pure Harley-Davidson attitude. Mechanical features are identical to the 2023 Low Rider ST model."

The 'Fast Johnnie' Street Glide ST "pairs tough West Coast styling

www.AMDchampionship.com

influences with new dark and bronze finishes. Undiminished comfort and the iconic batwing fairing appeal to the traditionalist mindset - meet the new breed of speed and style from Harley-Davidson." Mechanical features are identical to the 2023 Street Glide ST model.

The 'Fast Johnnie' Road Glide ST "projects more menace than ever and backs it up with West Coast styling elements and black and bronze finishes - setting this bike apart from the performance bagger crowd. Legendary comfort and the 'sharknose' fixed fairing appeal to a rider who wants to make quick work of the open road." Mechanical features are identical to the 2023 Road Glide ST model.

The Electra Glide Highway King, the third model in the Harley-Davidson Icons Motorcycle Collection, "impresses with pure nostalgia." Featuring wire-spoke wheels, whitewall tires, a two-tone windshield, the suspension solo saddle and the selected paint colors

are "inspired by a classic Harley-Davidson: the 1968 FLH Electra Glide - a motorcycle that conquered the highways in the era of paper maps and 15 cent burgers."

The Electra Glide Highway King "combines the flair of the **Swingin' Sixties** with the comfort and technology of a modern Harley-Davidson Grand American touring bike."

As part of the Icons Motorcycle Collection, the Motor Company

'West Coast styling influences'

presents a model once a year in a strictly limited edition that pays homage to a classic Harley-Davidson. Every single machine in the collection is numbered and is only produced in the respective year of its release. Only 1,750 units of the new Electra Glide Highway King will be produced.

In 1968, the Electra Glide was Harley-

Davidson's top model. "At that time, if you wanted even more comfort and convenience on your tours, you could order your bike with King of the Highway accessories, which included a suitcase, a windshield, a luggage rack and engine guards. In that era, the Electra Glide was a very luxurious motorcycle," said Brad Richards.

"The colors we chose for the Highway King are reminiscent of the original paint variants that were offered in **1968**. We even carefully matched the paint at the bottom of the windshield to the paintwork. In 1968, the optionally available fiberglass cases were only offered in white, so we kept them in white in 2023 as well. The result is a thoroughly modern bike that looks like an authentic classic."

The Highway King is offered in two color variants - Hi-Fi Orange (limited to 1,000 copies) and Hi-Fi Magenta (limited to 750 copies). The cases are finished in Birch White. "The accent stripe, which sets the black denim areas on the tank apart from the base color, is the same color. Even the tank logo is based on that of the 1968 model. Harley-Davidson uses laser engraving for the graphics of the Icons Motorcycle Collection and a serial number into an insert of the tank console."

The removable windshield is tinted in the lower area to match the color of the paintwork. Harley says

that the sprung, black and white solo saddle with chrome railing is also reminiscent of the style of the FL models of the 1960s. "The chrome-plated wire-spoke wheels and the wide whitewall tires contribute to the nostalgic look, as do the chrome-plated trim on the front fender and on the cases, the metal applications on the front fender and the fan air filter cover. Both sides of the front fender are adorned with Electra Glide lettering." The backbone of the Electra Glide Highway King is the stiff H-D Touring frame and a chassis designed for long-distance use. With a rotary control, the preload of the rear emulsion shocks can be hydraulically adjusted to achieve optimal handling depending on the load of the bike and the needs

'FLHFB - the third model in the Icons Motorcycle Collection'

of the rider. Dual-bending valve technology optimizes the damping behavior of the 49 mm fork, which ensures a safe riding experience, especially on uneven roads.

The FLHFB Electra Glide Highway King 114 inch (1,868 cc) M-8 is equipped with a 'Screamin' Eagle exhaust system; electronic cruise control is available as standard, and additional features include halogen headlights and auxiliary headlights, 'Reflex' braking system with a package of assistance systems (the RDRS Safety Enhancements - cornering anti-lock braking, corner-optimized electronic brake force distribution, cornering traction control, traction control and vehicle holding assist).

Fast Johnnie Low Rider ST



2023 Electra Glide Highway King



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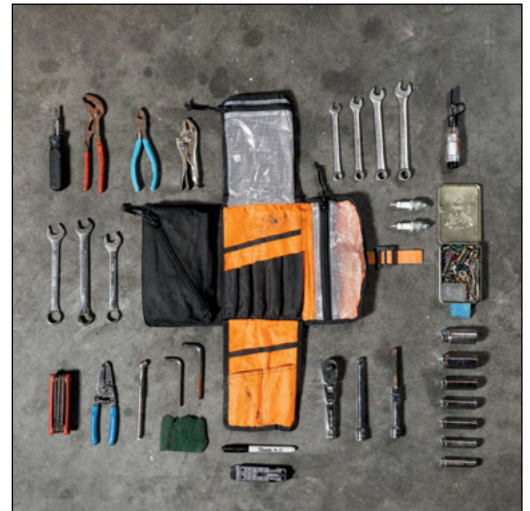
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The Good Can Get Better!

Made in a highly abrasion-resistant 600 denier polyester nylon outer shell, Biltwell's updated and improved EXFIL-0 2.0 tool roll now features translucent rip-stop pockets - better for holding sockets than the old elastic band method of construction - and two wider slots that work great for pliers or wire cutters, plus another rip-stop pocket in the top flap. The largest zippered pocket inside is perfect for holding bailing wire, spark plugs, screwdrivers, jet kits and other service essentials; MOLLE system on the exterior provides options for storage and expansion. The tools shown are for illustrative purposes only.

The EXFIL-2 mini tank bag "might just be the most convenient piece of kit we've made yet. The compact size makes it easy to live with and it holds a surprising amount of stuff. A charging cord easily slips through the hidden seam in the front of the bag and the lid is crystal clear and touch-screen sensitive, so you can use your smartphone."

The EXFIL-2 is made with a UV-treated 1680D denier ballistic nylon exterior. The lid features a fleece-lined phone slot with touch-friendly clear panel for smartphone operation, and it



EXFIL-0 2.0 tool roll



EXFIL-2 mini tank bag



EXFIL-65 dry bag

mounts with three super-powerful magnets.

Also seen here, the improved EXFIL-65 dry bag is made with 100% waterproof, UV-treated 500 sides and 1000-denier bottom PVC-coated tarpaulin.

"Perhaps the most versatile bag in our line of EXFIL gear, it works mounted vertically on a sissy bar, or laid down on or across a luggage rack. Multiple tie-down points on each side and now 11 rows of laser-cut MOLLE give plenty of options for add-ons and mounting."

A roll-top closure with reinforced nylon, quick-release buckles keep contents sealed tight and double-thick bottom

construction with external PVC coating gives greater durability. The 2-inch-wide, ballistic-grade polyester nylon loops and box-stitched handles on the sides feature woven reflective thread for better night-time visibility.

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Upgraded Andreani Suspension Toolbox Functionality

Andreani, one of the most popular suspension equipment brands, has announced the release of an upgraded version of its famous suspension technician's toolbox, powered by Beta. "This new toolbox is not only changed in terms of style and look, but also provides upgraded functions compared to the previous version. "The newly designed toolbox is now available in a sleek black color and contains all the essential tools required to set up suspensions for the market segment of your choice. The Andreani



toolbox is available for both motorbike and MTB segments, with the latter undergoing a significant restyling to include many features that simplify the daily work of technicians - as well as many other tools developed by the company and included in the toolbox or in the additional packages. "This professional-grade tool kit is designed to cater to all types of suspension available on the market. The Andreani toolbox offers tools that can be purchased singularly or as a package. The additional packages are divided into different categories: for the motorbike sector there are Track/Street packages and Off-Road packages, while the MTB sector packages are divided by suspension brand - with Öhlins, Fox, Cannondale, Cane Creek and RockShox options available.

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R&G - Additions

British parts manufacturer R&G (who recently renewed its Road America race sponsorship in the USA for another year) is best known for its precision-made, advanced motorcycle protection designs. In fact, though, the range of components and accessories it makes for almost all makes and models of motorcycle is huge - many of them model-specific, and all of them made using quality materials and robust, well thought-out, ergonomic designs. Most of R&G's parts designs are modification-free, fully reversible bolt-ons. Represented in the United States by 'Brands That Shine' (www.brandsthatshine.com) and distributed by Twisted Throttle of Rhode Island (www.twistedthrottle.com), R&G recently unveiled one of the largest selections of accessory designs we have yet seen for the H-D Pan America ADV models:

Bar End Sliders



Designed for the Harley-Davidson Pan America 1250 '21 and up, these bar end sliders are not compatible with the Special model OEM handguards, but then not many replacement items are - least of any that are actually well designed and safe. R&G bar end sliders are made from high-quality materials and are a direct replacement for the original manufactured item. Massively popular in all motorcycle scenes, from track bikes to adventure, the outstanding protection they offer has 'pedigree'. In any drop or crash, the end of the handlebar is likely to be a primary impact victim and without good protectors the damage is always likely to be worse than it needed to be. Designed not to snap off on impact, they protect the bar end and upper fairing/screen in most crash situations.

Factory Carbon Lever Defender



The R&G range of lever guards includes this deceptively simple looking molded carbon brake lever design. R&G lever guards include brake lever guards, molded lever guards and carbon lever guards and are also approved by BSB and MotoAmerica.

Tank Traction Grips



R&G tank traction grip kits are specifically designed to be both soft and durable, providing the rider with the grip and feel he/she needs to assist in better bike control, enabling the rider to maintain a stable body position while cornering and braking, whilst also relieving fatigue and providing the rider with complete confidence, allowing him/her to fully focus on the road (or trail) ahead instead of slipping and sliding on the tank. Each tank traction grip kit is supplied with precision pre-cut adhesive pieces, designed to fit the intended bike, typically in either two, four or six pieces (in total), depending on the shape of the tank and adjoining fairing. The high-strength adhesive backing ensures a highly durable product that will stay exactly where you put it, as well as not affecting or damaging paintwork. Available in black and ultra-clear finishes to blend into the bike's paintwork or stand out, depending on your preference. R&G Eazi-Grip works in both wet and dry conditions. For the Pan America, R&G has a model-specific two-piece kit.

Kickstand Shoe



Kickstand shoes bolt onto the bottom of the sidestand to enlarge the original's footprint by up to 100%, significantly spreading the load placed upon it, to help prevent the stand 'piercing' the ground. Despite this enlargement, the shoe does not affect ground clearance or interfere with the chain run during normal riding. This design-specific model fits the Harley-Davidson Pan America (Special) 1250 '21 and up models.

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'Grand National' 2:1 Performance Exhaust System for Indian Scout Models



The power-hungry crew at S&S seems to be pumping out performance parts for the Indian brand more than any other aftermarket company has so far, and keeping with that momentum, recently shared its two into one exhaust for the Indian Scout.

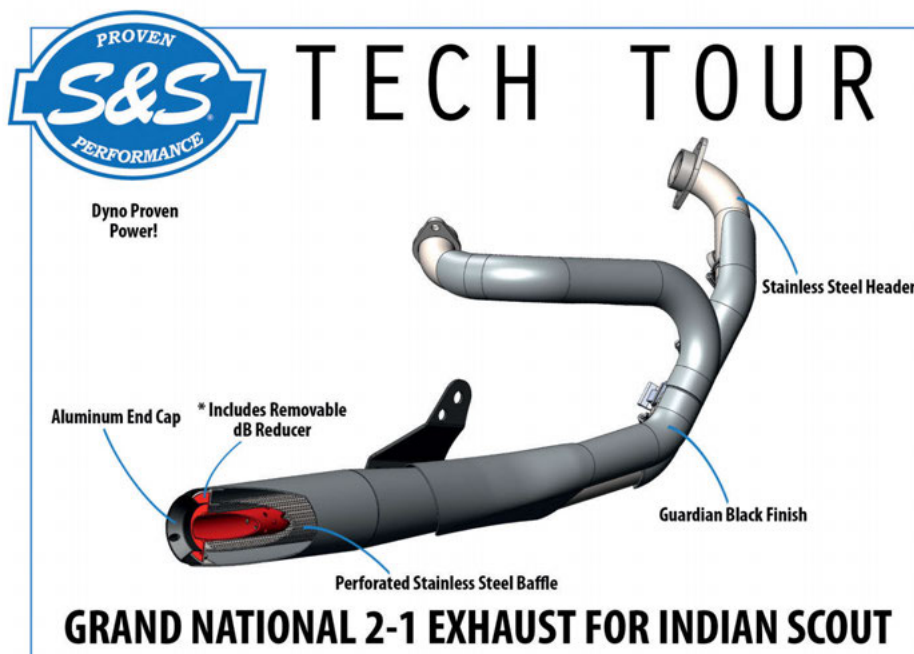
S&S' David Zemla says: "The Scout motor reacts differently than a traditional V-twin and wants a little longer pipe (more volume) to make optimal power. The smaller Scout platform does not want a long pipe.

"Our 2:1 'Grand National' delivers added power, clean lines and a commanding sound - a winning combination from a fully

shielded exhaust with a stainless header, aluminum tip and a removable dB reducer that allows you to tune the exhaust for sound and power.

"S&S also uses a unique coating it calls Guardian Black that makes the deep black finish stay that way. The venerable Scout deserves a proper exhaust, and we're glad that the S&S brand of performance is now available for this popular platform."

S&S CYCLE INC.
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www.sscycycle.com



Mix and Match



Vity's Design, Italy, (Matteo Vity) says that dealers and their customers can now "build their own perfect, 'Massive' air cleaner by configuring from a wide array of colors, finishes and compatibilities" on the Vity's Design website.

"For a long-lasting engine we need good air going



into the engine - air free from the external particles that could deteriorate it. CNC-machined from billet aluminum and available in various finishes and colors, our 'Massive' air cleaners are Made in Italy, easy to install and feature a see-through polycarbonate window."

Made deliberately simple, with a back plate and a simple front cover with a twist on it and the polycarbonate transparent window, riders can mix and match to create a truly individual and color-matched custom look.

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KURYAKYN 

BLEND OUT

Bag Bolt Taillight Kits and Thunder Pods

Shipping complete with two sets of Lightning or Thunder Bolts, these new Bagger Nation kits are for customizing the rear end of Sport Glides, Low Rider ST, or any M-8 Softail with hard bags.

The Paul Yaffe Originals Bag Bolt taillight kit is an all-inclusive taillight and wiring package that helps you



add either a set of Thunder Bolts or Lightning Bolts without the need to use an additional load equalizer - it is built-in. All the wiring, heat shrink and connectors are included for quick and easy bag removal.

"With the Bag Bolt taillight kit, you can add two sets of our Lightning Bolts or Thunder Bolts to your M-8 Softail with hard bags," says Paul Yaffe. "The kit provides you with two sets of Lightning Bolts (red/red) or two sets of Thunder Bolts (red/amber), both utilizing C.O.B. technology. These compact,



laser-bright taillights are the smallest and highest quality lights available and can be mounted horizontally or vertically.

"To complete a genuine, clean custom look, check out our 'The Fix Fender,' which can also be universally mounted on any flat surface.

"Laser-bright yet super small, C.O.B. technology increases visibility, providing running light, brake light and signal functions. Lightning Bolts are available in black, chrome, brass and satin finishes; Thunder Bolts are available in black, chrome and brass finishes.

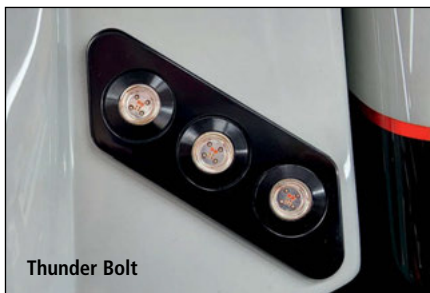
"Lightning Bolts are smaller than a dime - and Thunder Bolts are smaller than a nickel. Both are an easy install - just bolt them in and wire them up. Each kit includes two sets (four) taillights, a wiring kit, pins and plugs and is backed by a lifetime warranty."

Also seen here, Bagger Nation Thunder Pod taillight kits include three pairs of red to amber Thunder Bolts.



"Our laser-bright Thunder Bolts provide both red running and brake light functions and feature our new amber switchback signal function.

"When coupled with our CNC-machined billet aluminum 'Pods,' they provide a crazy bright, super custom look with a multitude of radical applications.



The only limit is your imagination!" Thunder Bolts are Euro and Canada compliant.

"The latest addition to our 'Pod' line of designer COB taillights, each set is CNC-machined from 6061-T6 billet aluminum and available in a black or chrome finish, with three sets of matching Thunder Bolts featuring our laser-bright, flush-mounted red running/brake light functions with an all-new amber switchback signal function.

"These bolt-on billet mounting plates can be installed on any flat surface and add a killer custom look to your project. Bolt them on your Bagger, Dyna, Softail, Sportster, car, boat, or even your spaceship - for a truly out-of-this-world taillight array."

See pages 22-23 for further information

PAUL YAFFE ORIGINALS
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www.baggernation.com



'Slammer Plus' - Extra Comfort and Control



Masters of "The Look" and "Engineers of Ergonomics", Burly Brand's 'Slammer Plus' shocks give riders an added cushion by offering nearly 2" of additional suspension travel.

Utilizing a flat wire spring and a progressive main spring built around an 11.5" high-pressure gas charged damper, 'Slammer Plus' suspension "provides a smooth and stable ride on any terrain. The 'Slammer Plus' suspension sits at a ride height of 10.5", making it the perfect fit for riders of all sizes - but especially shorter riders," says Brand Specialist Josh Rowlands.

"For shorter men and women, the 'Slammer Plus' suspension provides a comfortable and confident ride, allowing them to touch the ground with ease. One of the key features of the 'Slammer Plus' suspension is its five-click preload adjustability, allowing riders to fine-tune their suspension according to their individual riding style and preferences.

"This feature makes the 'Slammer Plus' suspension suitable for riders who want to hit the open road or cruise around town, delivering comfort, control and 'attitude' for an exceptional all-round riding experience."

Offered in choice of chrome or black, fitments are available for 1988-current Sportsters, 1991-2017 Dyna and 1980-current Touring models.

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BS Battery - Lithium "Solutions, Not Just Products"

French battery and charger manufacturer BS Battery recently extended its successful multi-year European distribution relationship with Parts Europe, adding availability to US dealers through Drag Specialties (and Parts Unlimited).

The announcement came just before this year's NVP Product Expo at Louisville, Kentucky, where BS Battery made its debut as an exhibiting vendor, and AMD took the opportunity to meet up with former Yamaha man Frank Pittman - its brand support manager in North America.

This year, the French manufacturer has stepped up its lithium battery and charger program, and in anticipation of the demand it is expecting to see from the U.S. V-twin market, Frank told us that "we have extended the range of powersports lithium battery

"They are inventory-friendly, too. Our lithium batteries have a longer battery life on shelves and can take a much higher number of charge cycles - which is an important advantage for dealers."



The installation of lithium batteries needs some care. Frank explained that BS Battery strongly advises checking the regulator and maximum draw of the bike before installation - a lithium battery cannot handle a voltage over 15V. "This is something that many vendors do not explain. It is simple enough to get it right, but the advantages of lithium mean that they are different to orthodox lead-acid technology. "Once checked, then installation is easy. All lithium batteries from BS Battery are 100% ready to use, you just have to plug and play.



Frank Pittman

'V-twin specific applications for H-D and Indian models'

market segment application coverage we offer in anticipation of the specific demand we expect to see in the United States, with added product numbers for the power-hungry ATV and UTV/SSV markets.

"But the performance and weight saving lithium story is proving particularly popular with Harley



dealers, V-twin shops and customizers. We offer coverage for all segments - street, off-road, race bikes, ATV/SSV, and even PWC and snowmobiles. But Drag Specialties' sales representatives are telling us that it is the V-twin and Cruiser segment applications

'three part numbers cover 80 percent of applications'

"Here at Louisville, we have been meeting a lot of the Drag Specialties representatives for the first time, and inevitably they want to know why they should recommend BS lithium batteries rather than other brands, but the answers are really quite straight forward.

"Our batteries are developed with and for Original Equipment manufacturers. We test their reliability continuously in racing conditions - our BSLi-02 is approved by many racing teams all over the world. The technical feedbacks from the racing engineers

dealers can immediately know the state of charge before or without disconnecting the battery from the bike.

"Being much smaller than acid batteries, our lithiums are delivered with spacers to limit vibrations for a better riding comfort and battery durability. We've also designed robust brass terminals to enhance electrical performance. Our mantra is that 'we don't just provide products, we provide solutions.' Our



France based R&D engineers are entirely focused on making our dealers' and riders' lives easier."

The BS Battery lithium range includes some 13 specific part numbers, "but the good news for dealers is that 80 percent of applications can be covered by just three of them. In case dealers or riders want to make sure that a battery is the right one for their motorcycle or powersports vehicle, we have created an online tool called 'Battery Finder,' which is available on our website to help the dealers and riders in their research."

'known for their durability'

that set the BS Battery brand apart from others, with specific fitments for Harley-Davidson and Indian models."

In Europe, BS Battery's lithiums are known for their durability and ability to maintain their charge and cope with extreme heat and cold. Frank says: "Our batteries can resist up to 230°C heat temperature and are also able to start an engine after a very long period of storage, even in very cold temperature conditions - summer or winter. They are a genuine and genuinely reliable year-round solution.

"Compared to lead-acid batteries, weight is one of the biggest advantages of lithium, with up to 70% weight savings compared to lead-acid equivalents. With a faster charging process too, up to twice as fast. Lithium batteries are also a lot more versatile in terms of where they can sit on the motorcycle. They can be installed with an inclination angle of 180°, which makes them very popular with customizers.



allow us to improve our range constantly. BSLi-02 is used by many European vehicle makers on street bikes as well.

"We are also paying attention to the small details that can make all the difference. Details such as the LED indicator on top of the casing, so riders and

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Drag Specialties Additions

Sintered Metal Front Brake Pads for Indian Models



Sintered metal brake pads are second-to-none in their stopping abilities and wear characteristics, while still providing an excellent reduction in noise and dust compared to other compounds. These U.S. made pads are asbestos, nickel and lead-free. The brake pads are available for '20-'23 Challenger/Dark Horse/Dark Horse Limited and '23 Challenger Elite and '22-'23 Pursuit Limited models that come equipped with Brembo calipers and cast wheels. Also available for '18-'23 FTR 1200, FTR 1200 Rally, FTR 1200 S, FTR 1200 R Carbon and '19-'20 FTR 1200 S Race Replica.

Predator III Seats

This Drag Specialties Predator III seat features a 7" tall driver support that gently slopes down to the passenger seat area and is narrower at the front end design for better leg clearance. It is constructed with a high-quality automotive-grade vinyl cover and



molded polyurethane foam for maximum comfort and styling. The 3/16" thermoformed ABS seat base gives the perfect fit, while the carpeted bottom protects the paint.

Predator III seats fit with most Drag Specialties and H-D sissy bars. They are available in Smooth or Double Diamond stitch with black, red or silver thread for '18-'23 FLSB, FXLR, FXLRS and FXLRST models.

Spin-On Oil Filter



It is well understood that contaminants in oil such as metal filings, dirt and combustion residue can damage the engine and shorten its lifespan. These Drag Specialties spin-on oil filters are a high-quality, dependable replacement for the stock filter that is easily installed and removed during an oil change.

They are available in black for '21-'23 RH1250S Sportster S and '22-'23 RH975 Nightster models (replacing OEM #62700280).

Hydraulic Clutch Master Cylinder Rebuild Kits

These kits for rebuilding the internals of the hydraulic



clutch master cylinder meet or exceed OEM specifications and are a direct replacement for the stock system. The kits are available for '17-'20 FL Touring models (replacing OEM part number 37700132) and '14-'16 FL Touring models (replacing OEM #3720096B).

Oil Pressure Sensor

Protect your engine with this Drag Specialties oil pressure sensor. It is a precision-calibrated and accurate reproduction of the OEM sending unit, and it is available for '99-'16 FLHT, FLHR, FLHX, FLTR and FLTRX models (replaces OEM part number 74438-99A).



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'Color Collection' Full Halo LED Headlamps for Indian Models

These 7" 'Color Collection' wide array, cool white LED headlamps by Oreland, Pennsylvania based NAMZ Custom Cycle Products have a full halo and adapter ring and ship with a wiring adapter for a 100% plug-and-play easy install on all 2014-up Indian Motorcycle models (except Scout and FTR). Always "Making it easy to do it right," Jeff Zielinski and his engineers have thought of everything with these kits - the 7" headlamp has a black aluminum, IP67 (waterproof) housing with a durable, optically precise polycarbonate lens.

The bright light operates at 6000K to 6500K color temperature, is DOT, SAE and E-Mark compliant and backed by a lifetime warranty.

They are available in a choice of colorways such as blue, gold, red and black. There is also a choice of standard and premium wide array black and chrome finishes and a selection of lens styles such as 'Aggressive' and 'Shot' style multi-mini headlights - with or without matching 4.5" full halo passing lights in black or chrome.

Celebrating 21 years in business, NAMZ and Badlands products are available through Drag Specialties, Parts Unlimited, Tucker, Mid-USA, J&P Cycles, V-Twin, Parts Canada, Parts Europe, Custom Chrome Europe, Motorcycle Storehouse, W&W, Zodiac, Rolles Speed Shop in Australia and Performance Cycle Wholesale Limited in New Zealand.

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LED chrome premium headlight



Maxima Pro Plus+ Full Synthetic for Pan America

AMD readers will have become very familiar with Santee, California based Maxima's range of V-twin-specific engine oils and its ProFilter inclusive 'Oil-Change-in-a-Box' programs for M-8 and Twin Cam engine Harleys.

However, the advent of the 1250 cc Revolution Max liquid-cooled 60-degree V-twin that Harley is using in its Pan America ADV models brings with it a very different engine oil requirement.

AMD checked in with Maxima, and its recommendation for Pan America



applications is its 20W-50 Pro Plus+ Full Synthetic.

This is an ester-fortified 4-stroke engine oil that is "designed to ensure optimum protection, peak performance and positive clutch feel. The surface-active, oxidatively-stable formulation provides excellent film thickness while maintaining viscosity across all operating temperatures."

Maxima's advanced, proprietary additive system "keeps the engine running clean, trouble-free and extends the life of the machine." Pro Plus+ Full Synthetic engine oil exceeds the requirements of API SN PLUS/JASO MA2.

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465B

Excellent choice for baggers and heavyweight bikes because of the low 1200 to 5600 RPM range. Produces 135 ft. lbs. torque and 116 HP in a 114 cu. in. engine!

Timing		Duration	Lift
10	20	210	.464"
46	10	236	.460"

485

Highest lift available with stock valve springs. Perfect choice for lighter bikes, 1500 to 5600+ RPM. Produces 136 ft. lbs. torque and 125 HP in a 114 cu. in. engine!

Timing		Duration	Lift
7.5	29.5	217	.485"
52.5	14.5	247	.485"

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Thermally Efficient Race Line Series Engine Covers

These stylish new Race Line Series engine covers from California based Performance Machine "are carefully crafted with the utmost precision to dissipate heat more effectively and provide a race-inspired look."

"We went beyond simply designing a series of engine covers which only enhance the appearance of the M-8 platform," says PM Director of Sales and Marketing Ana Lizarraga.

"CNC-machined from billet aluminum, painstaking hours were spent chasing forms and shapes which transfer heat away from the engine and transmission more efficiently, to better accommodate the increased temperatures synonymous with racing.

"To complete the look, these covers

come in the innovative Black Ops finish with laser-engraved logos to provide a durable, yet elegant appearance."

The product line consists of M-8 cam cover, 6-speed hydraulic and clutch covers, 2019 and up M-8 Softail and 2016 and up Touring derby covers and M-8 transmission and rocker box covers.



Derby cover

6-speed clutch cover



Rocker box cover



M-8 cam cover



M-8 transmission cover



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REV'IT! 'Grit' ADV Gear and Apparel

When Harley first launched the Pan America a couple of years ago, they did so with the usual accompanying selection of accessories - hard parts and G&A.

As usual, among the options was an ubiquitous apparel selection. However, someone, somewhere at Harley had clearly done their homework because from among the dozens, if not hundreds of ADV apparel wannabe brands (just take a walk around the Milan show sometime), Harley had selected Dutch apparel designer REV'IT! as its vendor of choice for ADV gear.

One of Europe's top-end apparel businesses,

REV'IT! designs and makes seriously good gear. Seen here, this 'Grit' jacket and pants combo was the primary ADV riding option included by Harley in that initial launch selection.

Designed with VCS Aquadefence direct ventilation, stay-dry material to repel rain and removable thermal and Hydratex superior abrasion and tear-resistant 3L membrane waterproof liners for modular weather options, the 'Grit' is enhanced with REV'IT! Seeflex CE Level 2 shoulder and elbow protectors (certified to EN 17092-3:2020), and an abrasion-resistant 500D, 100% polyester ripstop textile shell.

The jacket can be matched with 'Grit' adventure riding pants, adventure gloves and the DOT/ECE (P/J) 'Grit' J09 modular/flip-up helmet (Boom! Audio 205 Bluetooth headset-ready).



REV'IT! SPORT

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Dynojet PC 6

New to Mid-USA, Dynojet's "tried, true and tested" Power Commander 6 has been developed for a "streamlined user interface to make choosing and tuning a map easier for the end user." Tune settings can be easily changed and upgraded as parts are upgraded. Features include compact design for discrete placement and ease of installation, with each cylinder able to be mapped individually and for each gear, giving riders a more

granular level of control. It can be paired with other Power Commander accessories such as the Autotune, Quickshifter or POD-300, and ships with a one-year warranty.

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Dynojet PC6 seen here for 2021 and later Touring models

More Accessories for Indian Chief

In addition to recently introduced custom parts for Indian Chief models, WUNDERKIND-Custom (Germany) has now added further accessory designs, including these drop-mount mirror clamps. To enable WUNDERKIND-Custom mirrors and other aftermarket mirrors to be mounted below the brake



and clutch levers, in Café Racer style, these special clamps accept M10 x 1.25 mirror threads. The surface of these clamps has been matched to the finish of the OE fitting. The left clamp additionally provides a space where, for example, a Jekyll & Hyde variable exhaust volume switch could be positioned.

For the frame triangle at the handlebar head, WUNDERKIND is offering a new engine cover match gap filler cover, which hides any visible cables on both sides.

The newly developed engine cover seen here enhances the look of the front part of the motor as well as protecting vulnerable areas - specific

mounting set provided.

Rear end parts include a rear light, which was adapted to match the original rear fender and can simply be exchanged for the OE part. Attached below the end of the fender (with the included holder set), it fits seamlessly into the rounded shape of the fender. The belt cover seen here is an easy install direct exchange with the OE piece.

WUNDERKIND is a custom parts-specific brand by noted sports bike parts and accessory manufacturer ABM of Breisach (near Freiburg) in Germany. "WUNDERKIND-Custom parts and accessories have been developed and made from the highest quality materials in-house and tested to conform to German legislation or come with a parts certificate."

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M-8 Beehive Spring Rocker Shim Conversion System

Manufacturing valvetrain for 80 years and two generations, this new M-8 beehive spring rocker shim conversion system by Pacifica, California based Kibblewhite Precision Machining (KPMI) is an innovative design that adds a 9.5 mm hardened steel shim between the valve tip and rocker arm.

This increases allowable rocker wipe area for maximum valve lift - up to 0.625" valve lift compatibility.

They are offered with either titanium or H.T. steel retainers and include heavy duty 9° H.T. steel keepers, 9.5 mm steel shim, red Viton seals and a H.T. steel base washer.

The kit utilizes the proven KPMI 0.625" beehive spring and a lightweight retainer that houses a standard 9.5 mm hardened steel

shim. The rocker arm rides directly on the shim surface and the 9.5 mm diameter significantly increases the allowable rocker wipe area. This provides the ability to utilize larger lift cams than previously able to run on a 6 mm valve stem.

Additionally, the rocker shim thickness can be varied to adjust effective stem protrusion.

When larger camshafts are used, and valvetrain acceleration values increase, KPMI strongly recommends running titanium valves for maximum performance. To maximize shim contact in the retainer, KPMI recommends "tipping" (shortening the valve tip). There is anticipated to be a roughly 0.100" increase in effective stem protrusion with the use of the shim.



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Clutch Solid Adapters



From the innovation of AIM's billet pressure plate ('98+ Big Twin six-stud) comes a redefined take on three-stud A&S clutch systems, both hydraulic and cable. This new approach eliminates the use of a retaining ring, "giving you no signs of flexing."

For a hydraulic solution, it offers a pressure plate equipped with a robust angular ball bearing. For cable clutch systems, AIM says "our easy-to-install pressure plate is the way to go."

The hydraulic clutch solid adapter features a high-speed and high-precision angular contact ball bearing. Designed and manufactured to be durable and compact, the ball bearings hold both radial and thrust movement.

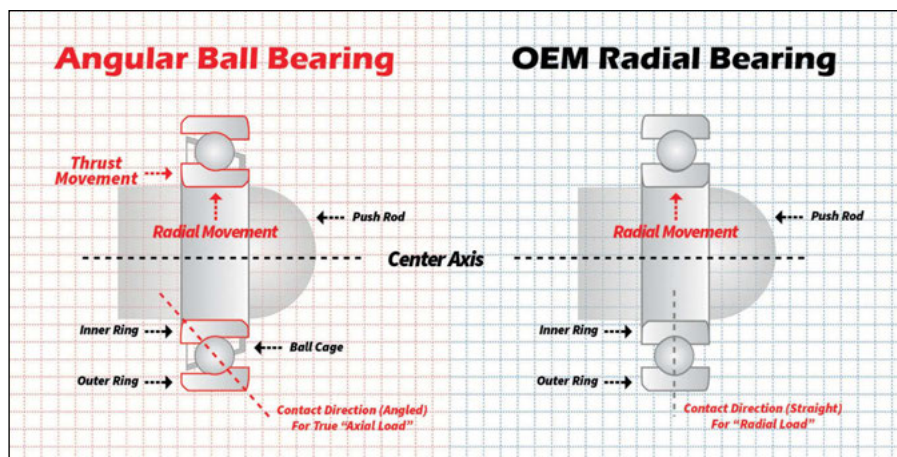
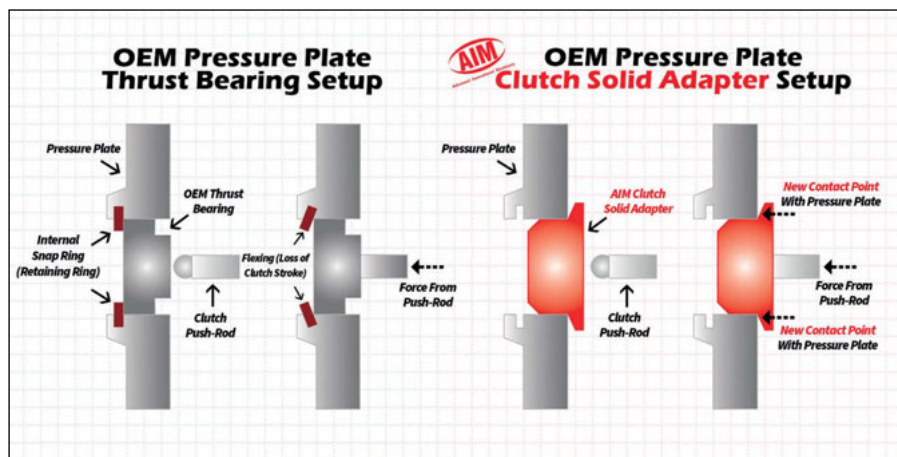
"As a fully functional ball bearing, they are ideal for high load situations. The OEM bearings only hold radial movement, our bearings offer longer lasting efficiency."

"Our solid clutch adapters are OEM compatible, but we also designed them to take the beast that is our VP-SDR V2 Max. Boasting over 170 lbs-ft of torque (and 200+ with our AIM high performance springs), some setups may produce a harder clutch, which our adapters can help mitigate the pressure going to the



clutch system, delivering precise balance with power and control over your clutch when going at a high rpm."

AIM CORP.
Huntington Beach, California, USA
Tel: 714 848 3030
info@aim-tamachi.com
www.aim-tamachi.com



Spiegler 'Vario' Steel Braided Lines



Custom Chrome Europe has added the German made Spiegler Bremstechnik range of 'Vario' steel braided brake and hydraulic clutch lines.

Noted for their premium quality, Spiegler 'Vario' is a modular program of precision-manufactured components. Offered in choice of lengths with flexible connections that are screwed to the line, the versatile system can be used both as a brake and clutch line - making it ideal for OEM replacements or custom conversions.

The hydraulic 'Vario' lines are also tested for ABS motorbikes and offer slim design fittings and connectors, "making them a great choice for concealed or internal routing. The 360° rotatable connection between fitting and line enables optimal, tension-free line routing."

"The precise pressure point and the best dosing characteristics ensure excellent braking and clutch response and control. A UV-resistant PVC cover (in black) with Teflon inside guarantees durability and resistance."

"For smooth assembly, we offer a wide variety of stainless steel fittings and adapters that fit perfectly on brake and clutch cylinders, ABS HCU's and other components."



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Bagger pictured with "Diamond" style.
Sportster pictured with "Basket Weave" style.
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Grand Prix 2:1 for Softails

Firebrand has been in the exhaust game for well over a decade, "but the last few years they've really stepped up their game, and the new Grand Prix two into one is a solid example of that work." Using a shorty

version of its bulge end Grand Prix muffler, Firebrand has mated it to a stepped collector and a high flow stainless header. Firebrand's Director of Marketing, Jon Montgomery, says: "The end result is a



quality system that looks the business on modern Softails. We integrated a perforated baffle and a durable packing material into the Grand Prix 2:1 for a commanding exhaust note without the 'pitchiness' that can come with a short system. Naturally, we made sure there was a noticeable bump in power as well."

The Grand Prix two into one is available in brushed stainless as well as its durable black coating and fits most narrow wheel M-8 powered Softails from 2018 to 2023 - clearing bags and passenger pegs. It is also available as a 49-state or race-only version. Firebrand is distributed exclusively through WPS/HardDrive.

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Baker Direct Drive 7-Speed

The Baker Direct Drive 7-speed (DD7) was engineered to make full use of the torque and power output of the Twin Cam and M-8 motors via precise gear ratio management, delivering "smooth, crisp shifting, continuously pulling acceleration and strong take-offs from stoplights."

The DD7 upgrades any existing 2006-later Big Twin 6-speed to a full 7-speed transmission.

Bert Baker says that "the Baker DD7 is more than just another gear added to the mix for the sake of one-upmanship. That 7th gear enables the motorcycle to now make full use, by way of gear ratio management, of the torque and power put out by the new 96 ci and 110 ci motors rolling off the assembly line in Milwaukee. We did not make this transmission a deep overdrive, rather we shortened 1st gear and tightened up the gears to deliver the riding experience that riders were after when they bought their bike."

"The gear ratios leave the rider with the experience of smooth, crisp, continuously pulling acceleration from 1st all the way through 4th gear. Then you are able to start getting into the cruising portion of the program in gears 5-7. No big drops in rpm from one gear to the next or lugging the motorcycle off of a stop light, just smooth, uninhibited acceleration."

"We did not stop at just fixing the gear ratios. We improved the smoothness and crispness of the

shifting by reducing the main shaft mass by only having 1st gear be a part of the shaft, rather than 1st-4th gears like on the stock unit.

"Reduction in rotating mass for shift quality is a fact that has been utilized in the automotive world for years. We ditched the stock detent arm and spring assembly from the door in favor of a linear detent that decreased friction while increasing smoothness when coupled with the all-new shift drum design."

"We have tightened up the dog teeth on the gears to prevent the loud clacking noise that accompanies every shift on the factory 6-speed. Through the use of a billet bearing door, 28% wider bearings in the door, steel bearing retainer plates and full width gears, the durability and strength of our unit is a drastic improvement over stock. By utilizing fully diamond ground, helical gears in 1st and 4th-7th, we are able to deliver a much quieter riding experience. 2nd and 3rd gears are diamond ground, with spur gears to handle the peak torque that is reached in that range."

The DD7 includes a Baker shifter pawl, new main drive gear bearing and seal, door, top and side cover gaskets and is compatible with all types of aftermarket hydraulic side covers, as well as the stock Screamin' Eagle versions.

This is a direct slide-in installation with no case modifications needed, that clears all exhausts and



works with all aftermarket clutches. Backed by a five-year limited warranty, it is available for 2007-later Softail, 2007-later Touring FL, FLT, FLH and 2006-later Dyna.

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The 'Do-it-All' Go-To Jumper, Inflator and Charger

California based lithium battery and restart technology specialist Antigravity has updated its award-winning MICRO-START lineup. The latest addition is its all-new XP-15 - its 'do-it-all' device - a compact jump-starter, tire inflator/air pump and electronics charger all in one unit. It even has a voltmeter function.

"We consider it the perfect roadside assistant to carry in your vehicle, especially on motorcycles and powersports vehicles where space is at a premium. It is also an ideal garage accessory to jumpstart, inflate tires, or to fast-charge or power USB devices with its PD 60W charging ability," says CEO and owner Scott Schafer.

"The new XP-15 is an all-in-one go-to jump-starter that can easily start cars, trucks, motorcycles, powersports vehicles, boats and more. Jumpstart trucks up to 6.7 l diesel engines and gas engines up to 10 l. It's simpler than ever with a digital display screen that shows status for starting and makes it easy to see capacity, set tire pressure, read battery voltage and more."

Scott explained that the XP-15 delivers "super-fast charging and powerful USB Type-C PD 60W



charging. With PD 60 watt you can quickly charge your Apple or Windows laptops, tablets, phones, cameras and much more, or recharge the XP-15 in just one hour. It also has a USB-A QC3.0 port to quickly charge a second device.

"The XP-15 has a built-in tire inflator and detachable air hose, so you can maintain tire pressure anywhere you go. Use the included adapters to pump up small rafts, sports balls and more. The inflator will automatically shut off when the pre-set pressure is reached, or it can be operated manually. The charging status is visible on the digital display, along with real-time pressure monitoring while inflating. There are safety protections and a bright LED flashlight built-in."

Scott says that Antigravity additionally has new designs for its XP-1 and the XP-10 MICRO-START models - also offering super-fast Type-C charging, a digital display and other updated features, plus two new, larger portable power stations will be available soon to complement its popular PS-45 and PS-80. "They will have numerous inputs and outputs and massive capacity, while still being compact and lightweight for portability."

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Power Vision 4 for H-D and Indian

The Power Vision 4 from Dynojet Research Inc. (just add phone!) puts riders in control and "unlocks the vehicle's hidden potential," according to the North Las Vegas, Nevada based performance specialist.

"Gain access to hundreds of different tunes for various aftermarket components and easily flash any of them to the ECU. If you want to tune another bike, no problem - licensing additional vehicles can be performed right from the app."

"Unbelievably quick and easy to use, Power Vision 4 puts the rider in control of the bike's performance with custom tuning supported by our vast network of experienced Dynojet authorized tuning centers."

Power Vision 4 is a fully plug and play installation with Bluetooth connectivity (Apple and Android) and instant access to Dynojet's tune database for data and diagnostics from hundreds of available tunes for optimal performance. Connectors may vary based on vehicle; PV 4 fits most H-D models 2001-2017, and most Indian motorcycle models 2014-2023. It also fits most 2015-2023 Can-Am and Polaris 2010-2023 UTV/ATV models. This product is 49-State legal in USA - not legal for sale in California.

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North Las Vegas, Nevada, USA
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KBS MAXX Single Stage Paint

KBS MAXX provides a "beautiful, durable, UV-stable finish with excellent gloss retention. This single stage, two-component (2K) polyurethane topcoat paint performs like an all-in-one base coat and clear coat. KBS MAXX has superior impact, weather and UV resistance, while providing fast drying characteristics.

The long-lasting, high solids coating offers outstanding adhesion and superb opacity. KBS Advanced Cross-Linked Coatings Technology makes it both flexible and durable.

KBS MAXX has low VOC and HAPs, is chemical-resistant and withstands continuous temperatures of



up to 300-400°F. The paint can be applied by brush, roller or sprayer and features excellent flow-out for a smooth finish with no brush marks. KBS MAXX and the KBS MAXX Activator Medium are easy to mix and yield a pre-thinned paint that is ready to spray or brush. KBS MAXX is currently offered in 19 colors and in clear.

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Zodiac International - Precision Power Audio Additions

Soundstream Replacement Radios with Apple CarPlay and Android Auto for H-D



Plug-n-play Soundstream Reserve Motorcycle Audio by Precision Power are upgrade head units for OEM Harley radios. Apart from the regular AM/FM radio and Bluetooth connection for phone calls and music, these units allow use of Apple CarPlay or Android Auto. By plugging the phone into the USB outlet, riders can get directions, send and receive messages and listen/browse music and even use Siri (Apple) or



Google Assistant (Android) with the radio's touchscreen display - the apps have been reimagined for easier viewing.

Head units feature 7" (17.8 cm) capacitive high-definition, customizable touchscreen and USB smartphone charging while connected (5V/1.5A). They have low-pressure IPx5 water protection rating, built-in equalizer, MP3/WMA/AAC/FLAC audio playback via USB (64 GB max.), 50W per channel, 2 Ohm stable four-channel amplifier and 4V RCA pre-

outs, UV protection and conformal coated circuits. Units are bolt-in using the stock mounting hardware on 1998-2013 Touring to replace the stock single DIN radio, and on 2014 to present Touring and Trike models to replace standard Harley 4.3 and GT audio.

Atom Mini Amp



Zodiac says that Precision Power's Atom Mini amplifier gives Class-D performance, reliability and a compact footprint that fits inside your motorcycle's fairing, measuring 9.25" (23.5 cm) long, 5.375" (13.7 cm) wide and 1.875" (4.8 cm) high. "All pre-amp and crossover options are conveniently located on one side of this amplifier, while quick-disconnect connection plugs for power and speaker outputs are on the other."

Additions to the circuit board include improved



internal power supply and output stage components. The Atom Mini has 4Ω 100W x four and 2Ω 150W x four RMS power and a fairing installation kit with brackets and wiring for 2014 to present Touring and Trike and 1998-2013 Touring and 2009-2013 Trike models.

Fairing Speaker Kits

Precision Power coaxial fairing speaker kits come with a mid-range notch filter, engineered and designed for the best sound when installed with OE speaker pods for 2014 and newer Touring and Trike models (except twin-cooled). If not using the speaker pods, it is not required to use the included crossover



networks; Precision Power provides unique woofer grills for stylish, easy and efficient custom-mounting install.

These speakers deliver 2 Ohm, 75 watt RMS when used with the OEM audio system; 4 Ohm, 75 watt RMS with aftermarket audio systems. They are also available as 2 Ohm/75 watt kits for OEM audio use on 1998-2013 Touring and 2009-2013 Trike models.

Powered Saddlebag Subwoofers

Precision Power has created its SBW-powered saddlebag drop-in subwoofer as a "perfect marriage of the custom enclosure, subwoofer and built-in digital amplifier that adds bass without the complicated mathematics of matching up an amplifier or taking away the saddlebag structure's integrity."

This SBW kit comes equipped with a custom subwoofer paired with a passive radiator to increase bass response with a built-in 300 watt digital amplifier. A Neodymium magnet motor enhances the subwoofer's motor's strength; it is also extremely light, which means more output and less weight. "The sealed enclosure provides optimum sound quality, protected by rugged rotational molded ABS plastic. High- and low-level adjustment switches allow you to connect it to any configuration; the system plug-n-plays behind either OEM radios or even our aftermarket Apple CarPlay and Android Auto replacement radio.

"With all this new bass comes a new solution to port



bass coming from the saddles without destroying the structure of the bags. Each subwoofer kit comes with ported grommets, equipped with a unique membrane allowing sound to pass through while keeping the elements out - the kind of technology commonly found in sports earbuds. Left and right side drop-in hard luggage subwoofer kits available for 2014 to present or 1998-2013 Touring models." Replacement parts are available.

Precision Power Speakers

Manufactured with industrial grade materials and optimized for harsh environments, these speakers feature titanium dome tweeters that resist corrosion, low mass Neodymium magnets for maximum output and integrated 6 dB high-pass crossover to protect tweeters from harmful frequencies.

The speakers are a direct replacement for the OEM speakers; for saddlebag speakers, Precision Power has installation kits with cutting guides, grills and hardware for the factory lids on hard-shell bags. Available in size, shape and power options for 2014 to present and 1998-2013 Touring and Trike models.



Vented Fairing Lower with Speakers

Precision Power's direct fitment solution for lower fairing speakers is an excellent solution for 2014 to present Touring and Trike, 1998-2013 Touring and 2009-2013 Trike models (except those with twin-cooled engines) - added speaker pods give additional audio punch. The housing construction uses high-grade industrial ABS plastic and is painted in vivid black.

"They come with 6 1/2", 4 Ohm, 75 watt RMS waterproof speakers installed and include waterproof quick-disconnect plugs. They also come with a midrange notch filter designed and engineered for the best sound for vented lower fairings. They are pre-wired for the Atom digital amplifier, but are easy to rewire for use with other amplifiers."



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NEWS BRIEFS

The Bagger Racing League (BRL) has hired former Buffalo Chip and Electrify Expo publicist Lon Nordbye's Yatzke Marketing to lead marketing and commercial development.

Windy City Motorcycle Company, a motorcycle distributor in the Midwest and operator of 'The National Online Used Motorcycle Dealership,' has acquired Triumph Detroit and partnered with Moto House of Grand Junction, Colorado. The two new stores will be added to its existing operations of thirteen Harley-Davidson, two Triumph, two KTM, one BMW and one Royal Enfield locations. Triumph Detroit is an iconic dealership in the history of Triumph Motorcycles in America, setting the overall motorcycle land speed record with the Triumph Detroit Gyrone X-1. It was at one time the largest Triumph dealership in the world. Moto House primarily sells Honda, Ducati and CF Moto - Windy City will manage the operations of the dealership.

A recent spate of blog appearances of so-called spy pictures of Hero's upcoming Indian market Harley models stemmed from a teaser campaign prompted by unmarked envelopes appearing on the desks of several Indian magazine editors. They were clearly Hero inspired, rather than genuine 'spy-shots,' as no genuine spy photographer shoots in black and white, let alone anonymously distributes the results in the form of prints without asking for any payment.

Norton Motorcycle, the TVS/India owned comeback, has opened its first flagship showroom at the Bike Shed in London.

US Indian Motorcycle Unit Retail Flat in a Down Market

Polaris has reported Q1 sales up by +22% compared to the year ago at \$2,180m, with market share gains across all segments - "strong performance in Snow, as well as sustained demand in utility Off Road and Indian Motorcycle more than offset softness in recreational Off Road."

Retail sales for the quarter were down 5% versus Q1, 2022, but +14% versus Q1, 2019. Primary sales drivers in the quarter were said to be favorable unit ship volumes, product mix and net pricing, partially offset by higher finance interest.

North America unit retail sales for Indian Motorcycle were flat. North America unit retail sales for the comparable motorcycle industry were down low-double digits percent.

On Road segment results were bolstered by better product availability, given an improving supply chain environment, as well as the improved product mix. **Segment PG&A sales increased +19%.** Segment gross profit margin performance was driven by favorable product mix and higher volumes.

CEO Mike Speetzen is quoted as saying: "We started the year off strong, delivering on our sales, margin and EPS expectations, as well as share gains across the portfolio. In January, we promised 2023 would bring industry-leading vehicle news, and with the recent launch of our fully redesigned RZR XP and production underway of our all-electric RANGER XP Kinetic, we are just getting started on that commitment and believe we will continue this momentum throughout the year."

"While retail remains mixed, we are seeing good signs within the business

CONSOLIDATED STATEMENTS OF INCOME (LOSS)

	Three months ended March 31	
	2023	2022
Sales	2,179.7	1,781.5
Cost of sales	1,710.5	1,428.6
Gross profit	469.2	352.9
Operating expenses:		
Selling and marketing	137.6	111.6
Research and development	96.5	80.8
General and administrative	90.8	71.7
Total operating expenses	324.9	264.1
Income from financial services	16.8	11.4
Operating income	161.1	100.2
Net income	113.6	69.9
Diluted Net income per share:	\$1.95	\$1.14



as we enter the spring selling season. We remain agile and confident in our ability to execute against our plans, drive profitable growth and bring compelling offerings to dealers and customers in 2023."

Polaris North America ORV unit retail sales were down -10%. Estimated North America industry ORV unit retail sales were down low-double digits percent.

Segment Parts, Garments and Accessories (PG&A) sales were flat. Segment gross profit margin performance was driven by favorable net pricing and lower cost premiums,

more than offsetting higher finance interest. Snow season-end retail was up low-single digits percent versus the industry estimate of down low-single digits percent.

Total North America sales of \$1,842m represented 85% of total company sales and increased 24% from \$1,491m in 2022. International sales of \$338m represented 15% of total company sales and increased +16% versus the first quarter of 2022.

In terms of continuing 2023 business outlook, Polaris says it "continues to expect 2023 sales to be flat to up 5% versus 2022. The company continues to expect adjusted diluted EPS from continuing operations attributed to Polaris Inc. common shareholders to be down 3% to up 3% versus 2022.

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