



2014 **FourTrax Foreman Utility** ATV Series



DVD Digital Contents

- 2014 Honda FourTrax Foreman Utility ATV Series
- 2014 Honda FourTrax Foreman Expands 4x4 Capabilities
- 2014 Honda Foreman Design: A Stateside View
- Studio/Detail Images
- Action/Lifestyle Images
- Honda R&D Images
- Accessory Images
- Features/Specifications
- Video: Honda's All-New 2014 Rancher and Foreman ATVs



2014 Honda FourTrax Foreman Utility ATV Series

The FourTrax® Foreman® series of Honda ATVs has carved out an enviable reputation for making life easier—and a good deal more fun. No matter what's on the to-do list, these hard-working ATVs can help you tackle the big jobs, and they also know how to have plenty of fun when it's time for that well-earned getaway. Now that reputation grows stronger than ever as the next generation of Foreman models arrive for 2014 with an all-new chassis, upgraded suspension components, new 2WD/4WD drive system featuring an all-new locking front differential, fresh styling and more.

Machines to Match the Job

The manual-shift FourTrax Foreman 4x4 is the machine of choice for riders who prefer a conventional gearbox, while the FourTrax Foreman 4x4 ES boasts Honda's renowned Electric Shift Program (ESP®) that delivers push-button convenience for upshifts and downshifts. Both versions can be had with the option of a new, updated Electric Power Steering system as well, and both come equipped with a powerful liquid-cooled 500-class engine that's as durable and reliable as it is strong—just what you'd expect from Honda. Adding to the Foreman's already impressive versatility, owners can select add-ons from a wide assortment of Honda accessories that increase comfort, work capabilities and convenience.





Better Riding Through CAE

The biggest news for 2014 focuses on an all-new chassis built on a new double-cradle steel frame that wraps around the engine. Developed with the use of Computer Aided Engineering (CAE) to design and analyze every part of the vehicle, this in-depth analysis allowed the development team to confirm the design of every part before a prototype vehicle was ever built, and then fine-tune the actual mechanicals.

This new chassis offers increased stiffness (up 20 percent over the 2013 Foreman) to accommodate higher operating loads, along with improved compliance for a smoother ride while simultaneously delivering even more precise handling. Honda's CAE studies also analyzed major masses to achieve the lightest weight possible; as a result, this new frame also yields a five-pound reduction in weight over the previous-generation's frame.

An all-new enclosed-axle-type swingarm further enhances strength and rigidity in the chassis. A sturdy sleeve over the rear axle not only strengthens it but also gives better protection, and it allows the swingarm to support more of the rear-wheel loads—a thoughtful design that adds to driveline durability. To enhance rider comfort, this new swingarm mounts in new rubber swingarm pivot bushings that absorb loads at the swingarm/frame junction. As another plus, since these rubber bushings are bonded to the inner and outer swingarm collars, dirt can't enter the swingarm pivot area to cause wear—and that increases long-term durability. In addition, this rear-axle design locates the sealed mechanical rear drum brake in a more shielded area inside the right rear wheel for improved protection and more ground clearance—now increased to 7.5 inches. In addition, dual front hydraulic disc brakes add strong stopping power.

This new chassis also features completely redesigned front and rear suspension components that offer increased travel. These all-new shocks feature brand-new damping characteristics plus an increase to 7.3 inches of travel at each corner for a plush yet well-controlled ride. Adjustable spring preload capabilities front and rear allow quick and easy suspension tuning to match varying loads and riding conditions. Also, new sealed steering knuckle bearings extend durability, and a full-length composite lower skidplate with integrated front brush guard adds protection for the mechanicals.

New improvements have also been added to the Foreman models that incorporate Honda's Electric Power Steering. A new mounting system incorporates three anchoring points for the EPS mechanism and that locates the entire unit more solidly in place. As a result, these models now return even more precise steering than before. This EPS system is a next-generation setup for 2014 that incorporates new settings for improved linearity in steering response, reduced low-speed steering effort for enhanced maneuverability and decreased kickback traits for improved all-around steering action.

The Foreman Formula for Power

Much of the Foreman's stellar reputation among ATV riders can be traced to its muscular liquid-cooled 475cc single-cylinder OHV four-stroke engine that has earned proven creds for power and performance since its introduction. The overhead-valve design churns out a broad, easy-to-use powerband from an engine with a shorter cylinder head and notably compact dimensions. Furthermore, this reduced engine height works to lower the machine's center of gravity (CG) for better handling while also helping to yield excellent ground clearance. Because the engine is mounted longitudinally in the frame (front-to-back in the chassis) it allows direct driveshaft alignment to the front and rear wheels, thereby eliminating unnecessary power-sapping right-angle changes in the flow of power. That means the Foreman enjoys improved drivetrain efficiency compared to designs from other manufacturers with conventional engine mounting.





New mapping for the Programmed Fuel Injection (PGM-FI) system combined with new oxygen sensor feedback technology improves power delivery and throttle response, while also improving engine emissions and increasing fuel economy for greater range. All models feature super-heavy-duty clutch construction for excellent driveability and towing capability. Elsewhere in the drivetrain, new tougher, plastic CV joint boots add long-term durability thanks to their more puncture- and tear-resistant qualities.

New for 2014 and also a first in the Honda ATV lineup, the Foreman now incorporates a new 2WD/4WD drive system with the added benefit of a selectable, locking front differential for extra pull when the going gets really tough. As a result, this system now offers three drive modes: 2WD; 4WD with TraxLok® torque-sensing front differential; and now a new 4WD mode with locked front differential for maximum traction. This new TraxLok system also features a Speed Override mode that can be engaged when the front differential is locked, which allows increased wheel speed under severe conditions such as deep mud. *[See sidebar for full details].*



The 4WD selector is located on the right-side handlebar; to engage the front locking differential simply rotate the differential lock switch and it's set to go.



Sweating the Details

Other changes for 2014 include a new fuel pump that is derived from Honda automobile technology, which mounts in the fuel tank for better heat isolation and increased filter life. AC generator output has also been boosted to 481 watts—a 16 percent increase—to allow powering of more electrical accessories. The stainless-steel exhaust system includes a USDA-qualified spark arrester/muffler designed for quiet operation without servicing for long-lasting performance.

The new, aggressively styled bodywork on all the Foreman models also provides more effective mud protection, and now there's a one-piece tank/side cover that allows easy access (no tools required) for maintenance to the air intake, electrical components, engine, fuel tank and more. Outdoorsmen who prefer an ATV that blends in with the background will love the new Honda Phantom Camo scheme. In addition to its excellent camouflage properties for use in a wide range of field environments, new Honda manufacturing processes also provide better graphic adhesion of the camo scheme, excellent durability and improved resistance to fuel spillage to keep things looking better, longer. Also, load capacity for both front and rear

carriers has increased 33 percent to a total of 264 pounds—88 pounds up front and 176 pounds on the rear—to keep the Foreman ready for a hard day's work.

A newly upgraded meter display for the Foreman line features handy added functions: clock, coolant temperature gauge, a “maintenance minder” system that tracks both hours of run time, plus miles driven and a differential lock indicator. For improved visibility after dark, the twin-headlight system has been redesigned and now features 35-watt headlights with a more focused light distribution pattern. As another thoughtful and practical touch, the top assist light now operates independently of the front headlights; it can be turned off while carrying a load on the front carrier to eliminate reflected light bounce-back. A newly optimized rider triangle promotes added comfort, while a 0.8 inch-increase in seat foam thickness and softer seat foam density add further to rider comfort.

The Foreman is very feature-rich in stock configuration, yet Honda Genuine Accessories offers another 17 accessories that can make life even more pleasant and allow this favorite among ATVs to work even harder and more efficiently.

And in the end, that's what the Foreman is really all about: This is an efficient, hard-working and versatile machine that gets even better in so many ways for 2014. Thanks to its completely redesigned chassis, new selectable 2WD/4WD drive system featuring a locking front differential, greater load capacity, added drivetrain durability, fresh styling and more, this new Foreman series is the perfect way to lighten the load when work calls, or get far away from it all when it's time to have some weekend fun.

In addition to its excellent camouflage properties for use in a wide range of field environments, new Honda Phantom Camo manufacturing processes also provide better graphic adhesion of the camo scheme, excellent durability and improved resistance to fuel spillage to keep things looking better, longer.



Honda FourTrax Foreman and FourTrax Rancher shown

2014 Honda FourTrax Foreman Expands 4x4 Capabilities

Innovative Honda technology plays a big role in giving Honda ATVs a decisive advantage. Honda's 2WD/4WD drive system is a prime example of such technology, and the 2014 FourTrax® Foreman® 4x4 models now feature a new, selectable locking front differential with a fully locked mode that provides even more traction in really tough terrain.

The basic TraxLok® 2WD/4WD system has long served riders well aboard Honda 4x4 ATVs. TraxLok utilizes a two-way mechanical roller clutch incorporating a series of hardened-steel rollers. These rollers lock up in a mere six degrees of rotation, which makes for a smooth, virtually instantaneous response either accelerating or decelerating on flat ground or on an incline.

In addition, the system also operates when Reverse gear is engaged. To promote smooth operation, the TraxLok system engages only when the speed differential between the front and rear wheels is less than six mph. Once engaged, the system remains engaged on downhills to deliver true 4WD braking.

For 2014, the FourTrax Foreman 4x4 ATVs feature a brand-new TraxLok system that incorporates the option of engaging a locked front differential. As before, riders can enjoy the option of an easily selectable 2WD or 4WD mode. However, the 2014 Foreman now has the capacity to operate in a third mode: a locked front differential in 4x4 mode that gets power to both front wheels equally, effectively locking them together, for maximum traction in challenging terrain. This option is very easy for the rider to engage; after pressing the 4WD selector button on the right-side handlebar, just rotate the differential lock switch and it's set to go. An indicator light on the instrument display shows when the differential lock is engaged.

In addition, the Foreman features a Speed Override mode that can be engaged when the front differential is locked, which allows increased wheel speed under severe conditions such as deep mud. When riding with the front differential locked, speeds in normal usage are limited to 20 mph. However, when encountering conditions such as deep mud that slows the ATV while the wheels spin, pushing and holding the starter button for the Speed Override function allows higher wheel speeds for extra pulling power—quite a benefit when the going gets tough.

Without a doubt, Honda's TraxLok 2WD/4WD system adds a significant degree of versatility to 4x4 Honda ATVs, and these new additions to the FourTrax Foreman 4x4 TraxLok system reflect Honda's commitment to advancing Honda ATV technology to benefit riders in real-world conditions.



2014 Honda Foreman Design: A Stateside View

Q: Where and how did the new design for the 2014 Foreman begin to take shape?

A: The new Foreman was developed from concept to production by our U.S.-based Honda operations. The bold new styling was developed by our design team in Los Angeles, and every part on the new Foreman was designed, tested, and developed by our engineers in Ohio. The new Foreman is built at our facility in South Carolina. It is an ATV developed in the U.S. by a design and engineering team made up of Powersports enthusiasts who are passionate about the products they create.

Q: What were the overall goals for the new Foreman design?

A: Enhance utility, and reinvent recreation. Those were the key concepts. The Foreman is a multi-use vehicle for both utility and recreation. The previous-generation Foreman is very good for utility, but we felt that we could make big improvements in the recreation area: specifically, items related to handling and ride comfort. The development team's goal was to maintain functionality and utility while making improvements to handling and ride comfort. The team also ensured that all of the Honda requirements and standards were achieved to maintain our legendary durability, quality and reliability.



Q: How were these goals determined?

A: We used a combination of direct customer feedback coupled with our local development engineers' understanding of the ATV market.

Q: What kinds of feedback did you consider from Honda customers as well as other ATV customers?

A: When our development team visited Foreman customers, they were surprised to find that the overwhelming response to the question: "What would you change about

your Foreman?" was: "Nothing." We also learned what was important to the Multi Purpose ATV customer and tried to implement as many of those needs into the design of the next generation Foreman models.

Of course, this was good news for everyone except for the team that had been assigned to develop the next generation Foreman—how do you go about making happy customers even happier without alienating them? So given this very positive feedback, the development team asked themselves a question: How do we improve a product that everyone already seems to love?

This is where the advantage of having a unique development team comprised of highly skilled engineers who are also Powersports enthusiasts pays off. The development team scrutinized every aspect of the current Foreman with a unique perspective, a view that combined the outlook of both customer and development engineer. The result is our best ever Foreman—these 2014 models are more comfortable and better handling ATVs that are fully functional, wrapped up in all-new, rugged styling.

Q: How and where did you gather this Honda customer feedback?

A: Our development team visited customers, rode with customers at a variety of ATV events and attended focus groups all around the country to better understand the customer's usage and preferences.

Q: Which demographic populations are important to Foreman sales?

A: The Foreman spans the entire range of off-road customer usage. The previous-generation Foreman already carried a strong reputation for its work usage and we have made no compromises to this functionality. With the improvements we have made to handling and ride comfort, we feel that more customers will expand their usage of the new Foreman for recreation and trail riding.



We also feel that the new aggressive styling will attract a wide range of customers. It's a more aggressive and bold style that makes the new Foreman stand out from the crowd.

Q: What key design elements were included in prototype versions of the Foreman?

A: The key focus of the development activity was to refine the frame and chassis design to achieve the best comfort and ride handling. The development team also ensured that each part met the stringent Honda requirements to maintain our legendary reliability. The team thoroughly tested and refined every aspect of the vehicle until all targets and criteria were satisfied.

Q: How were these design elements evaluated in early development?

A: In the early stages of development, the team used advanced CAE (computer aided engineering) to design and analyze every part of the vehicle. This in-depth engineering analysis allowed the development team to confirm the design of every part before a prototype vehicle was ever built. After the prototype vehicle was built, the team confirmed the actual vehicle to the targets and requirements and refinements were made and reconfirmed to achieve the final product.

Q: Which new elements bring the largest increases in performance? How and why?

A: The first thing that customers will likely notice about the new Foreman is the great new styling. But it's what's underneath this new bodywork that will be most appreciated—the handling and comfort of the new Foreman. The development team started with the proven 475cc engine and re-engineered every part around it. The all-new frame and swingarm have been designed to optimize strength, rigidity and comfort. The front and rear suspension components have been completely redesigned and the suspension travel increased. The ride position has been optimized and the seat thickness increased to create a comfortable riding position for a wide range of riders. All of these changes work together to create the most comfortable and best-handling Foreman.

Q: What key advantages will customers enjoy with this new-generation Foreman?

A: With this new-generation Foreman riders will enjoy everything past versions of the Foreman have been famous for, plus improved handling and ride comfort, bold new styling and the best value possible in the ATV market.



Image Gallery



14_Foreman_Blue



14_Foreman_Camo



14_Foreman_Olive



14_Foreman_Red



14_Foreman_ES_PS_Blue



14_Foreman_ES_PS_Olive



14_Foreman_Action_06



14_Foreman_Action_07



14_ForemanES_Action



14_ForemanES_Action_02



14_ForemanES_Action_03



14_ForemanES_Action_04



14_Foreman_RR34_Blue



14_Foreman_RR34_Camo



14_Foreman_RR34_Red



14_Foreman_Front



14_Foreman_Rear



14_Foreman_Overhead



14_ForemanES_Action_05



14_ForemanES_Action_06



14_Foreman_Rancher_Action_01



14_Foreman_Rancher_Action_02



14_Foreman_Rancher_Action_03



14_Foreman_Rancher_Action_04



14_Foreman_GasTankCover



14_Foreman_RHP_BodyOff



14_Foreman_RearSusp_BodyOff



14_Foreman_PowerSteering_BodyOff



14_Foreman_Meter_LockDiff



14_Foreman_Switch_4WD



14_Foreman_Rancher_Action_05



14_Foreman_Rancher_Action_06



14_Foreman_Rancher_Action_07



14_Foreman FR Diff



Honda R&D Anechoic Test Cell



Honda R&D Hot and Cold Chamber



14_Foreman_Switch_DiffLock



14_Foreman_Action_01



14_Foreman_Action_02



14_Foreman_Action_03



14_Foreman_Action_04



14_Foreman_Action_05



Honda R&D Ohio Center



Honda R&D Power Sports Dyno Control Room



Honda R&D Power Sports Dyno



Honda R&D Power Sports Shop Area



Honda R&D Strength Lab Dyno



Honda R&D Strength Lab



14_Foreman_Accessory_Heated Grips



14_Foreman_Accessory_A-ArmGuards_Front



14_Foreman_Accessory_Rear_Soft_RackBag



14_Foreman_Accessory_FrameSkidPlate



14_Foreman_Accessory_Shield



14_Foreman_Accessory_Blade-Front



14_Foreman_Accessory_PlowPushTubes



14_Foreman_Accessory_PlowMountKit



14_Foreman_Accessory_Winch



14_Foreman_Accessory_Front_Soft_RackBag



14_Foreman_Accessory_WinchMountKit



14_Foreman_Accessory_PocketSideNet



14_Foreman_Accessory_XXL_OutdoorCvr



Honda FourTrax Foreman and FourTrax Rancher shown

American Honda Motor Co., Inc., Powersports Press Department
1919 Torrance Blvd., Torrance, CA 90501 • Phone [310] 783-3745
Information and images are available for media only at
www.hondanews.com. *(Please do not post this link.)*

©2013 American Honda Motor Co., Inc., Printed in U.S.A. [11/13]

