

2006 Harley-Davidson F-150 Chassis



"This truck builds on the legacy of toughness that's been the hallmark of the Ford brand."

– Steve Lyons, President, Ford Division

Built on the award-winning platform of the all-new F-150, the new 2006 Ford Harley-Davidson™ F-150 is designed to deliver a superb driving experience. Tremendous attention to detail and engineering enhancements have been applied to the chassis to deliver a confident, capable driving experience.

Boxed Frame for Increased Strength and Stiffness



The fully boxed frame with hydroformed front rails is about nine times stiffer in torsion and approximately 50 percent stiffer in bending compared to the previous generation Ford F-150. The result is less shakes and shudders on rough roads.

A solid and stable fully boxed frame with hydroformed front rails provides the foundation for exceptional handling, ride and quietness. The result is increased stiffness and stronger attachment points for the brackets that attach the body and suspension to the frame – with minimal shake and shudder on the roughest of roads.

Behind the new 2006 Ford Harley-Davidson™ F-150's precise driving feel is a performance sport handling suspension, specially tuned for this limited-edition model. Customers now also have the choice between 4x2 and all-wheel drive, with the capability to handle more challenging driving conditions and road surfaces – ranging from dry pavement to severe winter weather. The new AWD system continuously monitors the wheel speeds and throttle position to determine the appropriate amount of power to send to the front of the truck to help prevent slip. Customers also can choose to override

AWD by simply selecting the locked mode.

Serious Suspension Systems

Both 4x2 and AWD models use coil-on-shock, long-spindle, double wishbone front suspension with cast aluminum lower



control arms. The suspension reduces un-sprung weight to help provide better ride and stability on broken surfaces. The Hotchkiss-design rear suspension has been optimized with rear shock absorbers placed outboard of the frame rails for improved control of body lean and a smoother ride. Wider leaf springs increase the suspension's resistance to side loads, for increased stability.



The Hotchkiss-design rear suspension has been optimized with shock absorbers placed outboard of the frame rails to provide a smoother ride. Specifically, the design improves control of body lean, along with axle "skipping" and "skating" that can happen on washboard-type surfaces.