

2016 Subaru XV Crosstrek Hybrid

Specifications

Vehicle type	5-door, 5-passenger crossover; body with special aerodynamic enhancements, including active grille shutter system
Hybrid System	4-cyl. BOXER engine and Lineartronic [®] continuously variable transmission (CVT) with integrated electric drive motor; integrated starter/generator for auto start-stop function (with dedicated 12V battery); brake regeneration
Electric motor	13.4 hp, 48 lb.-ft. (integrated into CVT)
Hybrid battery	13.5kW, 100V nickel-metal-hydride battery; drive motor inverter and DC/DC converter installed under rear cargo area
Gasoline engine	4-cyl. horizontally opposed (BOXER), alloy cylinder block and cylinder heads
Displacement	1,995 cc / 122 cu. in.
Bore x stroke	3.31 in. x 3.54 in.
Compression ratio	10.8:1
Fuel system	Sequential multi-port fuel injection, electronic throttle control
Valvetrain	Double overhead chain-driven camshafts (DOHC), 4 valves per cylinder, Dual Active Valve Control System (DAVCS) controls valve timing on intake and exhaust camshafts; tumble generator valves
Horsepower	Gas engine: 148 @ 6,000 rpm Total hybrid system: 160 @ 6,000 rpm
Torque	Gas engine: 145 lb.-ft. @ 4,200 rpm Total hybrid system: 163 lb.-ft. @ 2,000 rpm
Ignition	Direct type with platinum-tipped sparkplugs
Transmission	Lineartronic CVT (continuously variable transmission) with integrated 13.4-hp electric motor; manual mode with steering wheel paddle switches
Symmetrical All-Wheel Drive	Active Torque Split All-Wheel Drive with electronically managed continuously variable hydraulic transfer clutch
Stability/traction control	Vehicle Dynamics Control with all-wheel, all-speed traction control (TCS) and rollover sensor
Chassis	Unitized body construction, Ring Shaped Frame Reinforcement safety structure
Suspension	4-wheel independent, raised, with special sport tuning exclusive to Hybrid model
Front	MacPherson-type struts, lower L-arms, coil springs, stabilizer bar, hydraulic engine mounts
Rear	Double wishbone, coil springs, stabilizer bar, subframe support
Brakes	Power-assisted 4-wheel disc with Electronic Brake-force Distribution (EBD) and 4-channel / 4-sensor ABS with Brake Assist and Brake Override safety systems 11.6-in. ventilated front discs and 10.8-in. solid rear discs Brake regeneration integrated into hybrid system
Steering	Quick-ratio rack-and-pinion with electric power assist Ratio: 14.0:1 Turns, lock-to-lock: 2.8 Turning circle: 34.8 ft.
Wheels	17 x 7 aluminum alloy, aerodynamic design
Tires	225/55R17 all-season low-rolling resistance

Exterior Dimensions	
Wheelbase	103.7 in.
Length	175.2 in.
Width	70.1 in. (78.8 in. inc. mirrors)
Height	63.6 in. with roof rails
Ground clearance	8.7 in. at front crossmember
Angle of approach	18.0 deg.
Angle of departure	27.7 deg.
Ramp breakover angle	20.2 deg.
Track (front/rear)	60.0/60.0 in.
Curb weight (lbs.)	3,451 Touring: 3,495
Interior Dimensions	
Headroom (f/r)	39.8/37.7 in.
Legroom (f/r)	43.5/35.4 in.
Hip room (f/r)	52.2/53.1 in.
Shoulder room (f/r)	55.6/54.2 in.
EPA interior volume	97.5 cu. ft.
Trunk liftover height	28.1. in.
Cargo area height	28.5 in.
Cargo volume	Rear seats up/down: 21.5 cu. ft./50.2 cu. ft.
EPA classification	Small station wagon
Fuel economy	
EPA city / highway / combined	30 / 34 / 31 MPG
Fuel tank capacity	13.7 gal.