

The 2013 Land Rover LR4

Technical Data

(All numbers are preliminary manufacturer estimates)

Engine	
Configuration	90-degree V8, aluminum-alloy cylinder block and heads
Displacement	5,000 cc / 305 cu. in.
Bore x Stroke	92.5 x 93.0 mm / 3.64 x 3.66 in.
Compression ratio	11.5:1
Valvetrain	Chain-driven double overhead camshafts, four valves per cylinder, torque-activated Variable Camshaft Timing (VCT)
Fuel/Induction	Sequential direct fuel injection
Ignition	Distributorless
Engine management system	Denso Gen 1.5
Horsepower	375 @ 6,500 rpm
Torque	375 lb.-ft. @ 3,500 rpm
Emissions compliance	ULEV 2
Fuel requirement	Premium
Drivetrain	
Transmission	ZF6 HP28 six-speed electronically controlled automatic transmission with CommandShift™ (Normal, Sport and Manual shift modes); locking torque converter
Transfer gearbox	Two-speed electronic transfer gearbox; shift-on-the-move capability; electronically controlled, infinitely variable locking center differential Transfer gear ratio: 2.93
Drive system	Permanent four-wheel drive with four-wheel Electronic Traction Control (4ETC)
Dynamic control systems	Dynamic systems include: All-terrain Dynamic Stability Control (DSC), Active Roll Mitigation (ARM), Cornering Brake Control (CBC) and Hill Descent Control (HDC) with Gradient Release Control (GRC).
Terrain Response®	Modifies response of engine, transmission, differentials, dynamic systems (DSC, 4ETC, HDC) and air suspension. Multi-mode system to maximize traction and control in a variety of driver-selectable settings: General (optimizing systems for most normal driving conditions), Grass/Gravel/Snow, Mud/Ruts, Sand, Rock Crawl
Transmission ratios	
Forward 1 - 6	4.17 2.34 1.52 1.14 0.87 0.69
Reverse	3.40
Final drive ratio	3.54
Chassis/Structure	Integrated body-frame with hydroformed members and advanced high-strength steels, including boron steel in the A and B pillars. Body panels made from double-sided zinc-coated steel and aluminum alloy.
Suspension	4-wheel independent Electronic air suspension with automatic load-leveling and multiple modes: Access, Standard, Off-Road and Extended Height. Terrain sensing software and cross-link valving for improved off-road performance.
Front	Double wishbone; long-travel variable-rate computer-controlled air springs; gas-filled shock absorbers, anti-roll bar. Vertical wheel travel: 10.0 inches (255 mm)
Rear	Double-wishbone with long-travel variable rate computer-controlled air springs with cross valving and gas-filled shock absorbers. Vertical wheel travel: 13.0 inches (330 mm)
Brakes	Power-assisted 4-wheel disc with Electronic Brake-force Distribution (EBD), 4-channel all-terrain Anti-lock Braking System (ABS), Emergency Brake Assist (EBA), and electronic parking brake.
Front rotors	14.2-inch dia. (360 mm), ventilated
Rear rotors	13.8-inch dia. (350 mm), ventilated
Steering	Speed-sensitive power-assisted rack-and-pinion
Turns, lock-to-lock	3.32

Turning circle	37.6 ft.
Wheels	19 x 8 in. aluminum alloy (20-in. available)
Tires	255/55R-19 performance all-season
Exterior Dimensions	
Coefficient of drag (Cd)	0.40
Wheelbase	113.6 in. (2,885 mm)
Length	190.1 in. (4,829 mm)
Width	With mirrors: 85.7 in. (2,176 mm) With mirrors folded: 75.4 in. (1,915 mm)
Height	74.1 in. (1,882 mm)
Track (front/rear)	63.2/63.5 in. (1,605/1,613 mm)
Min. ground clearance	Standard mode: 7.3 in. (185 mm) Off-road mode: 9.5 in. (240 mm)
Angle of approach	32.2-37.2 deg. (range with EAS in Standard and Off-Rode modes)
Angle of departure	26.7-29.6 deg. (range with EAS in Standard and Off-Rode modes)
Ramp breakover angle	22.8-29.9 deg. (range with EAS in Standard and Off-Rode modes)
Max. wading depth	27.6 in. (700 mm) (Off-Road mode)
Ascent/descent	45/40 deg. drive-through 35/35 deg. continuous
Base curb weight	5,659 lbs.
Max roof-rack load	165 lbs.
Towing capacity	Braked trailer: 7,716 lbs. Unbraked trailer: 1,653 lbs.
Max tongue weight	551 lbs.
Interior Dimensions	
Seating capacity	5 or 7
Headroom (f/r/3 rd)	40.4/42.4/40.1 in. (1,027/1,076/1,018 mm)
Legroom (f/r/3 rd)	42.4/37.6/36.3 in. (1,078/955/923 mm)
Shoulder room (f/r/3 rd)	59/59.2/42.8 in. (1,499/1,503/1,087 mm)
Max. loadspace length	Behind 1 st row: 76.8 in. (1,950 mm) Behind 2 nd row: 44.3 in. (1,125.2 mm) Behind 3 rd row: 13.3 in. (337.8 mm)
Width between wheel housings	45.1 in. (1,146 mm)
Max. cargo area width	48.6 in. (1,235 mm)
Cargo space (Cu.Feet) (7-seat)	90.3 behind first row, 42.1 behind second row, 9.9 behind third row
Performance	
0-60 mph	7.5 sec.
0-100 km/h	7.9 sec.
Max. track speed	121 mph (195 km/h)
Fuel Economy (EPA)	
City/combined/highway mpg	12/14/17
Fuel capacity	22.8 gal. (86.3 liters)