



Technical Service Bulletin

SUBJECT:			No: TSB-18-00-017
TECHNICAL SPECIFICATIONS - 2019 OUTLANDER PHEV			DATE: November 2018
			MODEL: 2019 Outlander PHEV
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input type="checkbox"/> WARRANTY PROCESSOR	<input checked="" type="checkbox"/> SALES MANAGER

2019 OUTLANDER PHEV

GASOLINE ENGINE		SEL / GT / FE		MAIN DRIVE BATTERY (300V)	
Type	2.0L MIVEC DOHC, 16-valve, 4 cyl			Type	12 kWh Lithium-Ion (Li-ion), Forced Air Ventilation, w/ Cold Weather Battery Heater
Engine Code	4B11			Charging Times	
Engine Block/Cylinder Head	Aluminum/Aluminum			Level 1	120V / 8A 13.0 hrs
Displacement	2.0 L / 1998 cc			Level 1	120V / 12A 8.0 hrs
Bore x Stroke (in. / mm)	3.39 x 3.39 / 86.0 x 86.0			Level 2	240V / 16A EVSE 3.5 hrs
Horsepower (SAE net@rpm)	117 @ 4500 rpm			Level 3	CHAdeMO DC Fastcharge (up to 80%): 25 min.
Torque	137 lb-ft @ 4500 rpm			AUXILIARY BATTERY (12 V, 325 CCA)	
Compression Ratio	10.5:1			Type	S46B24L(S)
Fuel System	Electronically Controlled Multi-Point Fuel Injection			Generator	70 kW Max Output
Engine Oil Capacity (w/o filter)	4.5 qt / 4.3 L			TRANSMISSION	
Engine Oil Type	0W-20 Minimum: API Service Standard SN (ILSAC certification)			Front (F1EKA)	Single Speed, Drive Mode Switchable Reduction Gear Box
Emissions	Tier 3 Bin 30 LEV III SULEV-30			Rear (F1E1A)	Single Speed, Fixed Reduction Gear Box
ELECTRIC MOTORS		Front	Rear		
Type	Twin AC Synchronous Permanent Magnet			Total Gear Ratio (Front)	Motor - Differential 9.663
Model	S61	Y61			Generator - Engine 2.737
Power Output	60kW (max)				Engine - Differential 3.425
Torque Output	137 N-m	195 N-m		Total Gear Ratio (Rear)	7.065
SUSPENSION					
Front	Independent MacPherson struts with stabilizer bar				
Rear	Multi-link with stabilizer bar				
BRAKES					
Front Ventilated Disc Diameter	11.6 in. / 294 mm				
Rear Solid Disc Diameter	11.9 in. / 302 mm				
Anti-Lock Brake System	4-wheel, 4-channel, 4-sensor with EBD and Brake Assist				
EXTERIOR DIMENSIONS (in. / mm)					
Wheelbase	105.1 / 2670				
Length	184.8 / 4695				
Width	70.9 / 1800				
Height	67.3 / 1710				
Front & Rear Track	60.6 / 1540				
Ground Clearance (w/ Muffler Protector)	7.3 / 185.4				
INTERIOR DIMENSIONS (cu. ft.)		SEL	GT	FE	
Passenger Volume	102.1	101.0 w/sunroof		102.1	
Estimated Cargo Volume					
Behind front seats (estimated)	66.6	62.8 w/sunroof		66.6	
Behind 2nd row seats (estimated)	30.4				
PASSENGER SPACE (in./mm)		1st Row	2nd Row		
Headroom (w/ sunroof)	40.6 / 1030 (39.9 / 1014)		38.3 / 973 (38.1 / 968)		
Shoulder Room	56.4 / 1433		56.0 / 1422		
Hip Room	52.6 / 1336		51.9 / 1318		
Leg Room	40.9 / 1039 (max)		37.9 / 963		
Max. Passenger Capacity	5 passengers				
WARRANTIES					
	Basic	Powertrain	PHEV Components	Main Drive Battery	Roadside Assistance
Years	5	10	10	10	5
Miles	60,000	100,000	100,000	100,000	Unlimited
U.S. coverage shown. Coverage may vary according to terms in effect at the time of purchase.					
FLUID/COOLANT CAPACITIES					
Fuel Tank	11.3 gal / 43 L				
Front Transaxle Fluid	3.66 qt / 3.46 L				
Rear Transaxle Fluid	0.90 qt / 0.85 L				
Front Motor Fluid	2.3 qt / 2.2 L				
Frt Motor/Generator Cooler	0.58 gal / 2.2 L				
Rear Motor Coolant	6.9 qt / 6.5 L				
Engine Coolant	7.9 qt / 7.5 L				
Refrigerant (R-1234yf)*	18.2 ±0.7 oz / 515 ±20 g				
Refrigerant Oil (POE)	3.4 fl. oz / 100 mL				
ELECTRIC POWER STEERING					
Overall Ratio	14.7:1				
Turns, Lock - Lock	2.9				
Turning Circle, Curb-Curb (ft/m)	35.6 / 10.9				
WHEELS & TIRES					
Wheels	18 x 7.0J Aluminum Alloy				
Tires	P225/55 R18 97H				
Tire Repair Kit	Compressor, Sealant, Sticker				
WEIGHTS & TOW CAPACITIES					
Curb Weight (lbs/kg)	4178 / 1895				
GWR (lbs/kg)	5225 / 2370				
Weight Distribution (% Front / % Rear)	54% / 46%				
Max Tow Capacity (lbs/kg)	1500 / 680				
Max Trailer Tongue Weight (lbs/kg)	150 / 68				
EPA FUEL ECONOMY - ESTIMATED RATINGS					
Total Driving Range	310 mi				
Driving Range: Electricity + Gasoline	22 mi				
Charge-Depleting Electricity Consumption Rate	45 kWh per 100 mi				
Comb. Fuel Economy: Gasoline Only	25 MPG				
Comb. Fuel Economy: Electricity + Gasoline	74 MPGe				

* R1234yf refrigerant recovery machine (P/N MIT1234YF) can be used with both POE and PAG compressor oil without risk of cross-contamination; refer to User's Manual for proper procedure.