



Technical Service Bulletin

SUBJECT:		No: TSB-19-00-015	
TECHNICAL SPECIFICATIONS - 2020 OUTLANDER PHEV		DATE: September 2019	
		MODEL: 2020 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

2020 OUTLANDER PHEV

GASOLINE ENGINE		FE / SEL / GT				
Type	2.0L MIVEC DOHC, 16-valve, 4 cyl					
Engine Code	4B11					
Engine Block/Cylinder Head	Aluminum/Aluminum					
Displacement	2.0 L / 1998 cc					
Bore x Stroke (in. / mm)	3.39 x 3.39 / 86.0 x 86.0					
Horsepower (SAE net@rpm)	117 @ 4500 rpm					
Torque	137 lb-ft @ 4500 rpm					
Compression Ratio	10.5:1					
Fuel System	Electronically Controlled Multi-Point Fuel Injection					
Engine Oil Capacity (w/o filter)	4.5 qt / 4.3 L					
Engine Oil Type	0W-20 Minimum: API Service Standard SN (ILSAC certification)					
Emissions	Tier 3 bin 30 LEV III SULEV-30					
ELECTRIC MOTORS		Front	Rear			
Type	Twin AC Synchronous Permanent Magnet					
Motor Code	561	Y61				
Power Output	60kW (max)					
Torque Output	137 N-m	195 N-m				
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.)		FE / SEL	GT			
Passenger Volume	102.1	101.0 w/sunroof				
Estimated Cargo Volume						
Behind front seats (estimated)	66.6	62.8 w/sunroof				
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	Limited Powertrain	PHEV Components	Main Drive Battery	Anti-corrosion	Roadside Assistance
Years	5	10	10	10	7	5
Miles	60,000	100,000	100,000	100,000	100,000	Unlimited
U.S. coverage shown. Coverage may vary according to terms in effect at the time of purchase.						
MAIN DRIVE BATTERY (300V)						
Type	12 kWh Lithium-Ion (Li-ion), Forced Air Ventilation, w/ Cold Weather Battery Heater					
Charging Times						
Level 1	120V / 8A	13.0 hrs				
	120V / 12A	8.0 hrs				
Level 2	240V / 16A EVSE		3.5 hrs			
Level 3	CHAdeMO DC Fastcharge (up to 80%): 25 min.					
AUXILIARY BATTERY (12 V, 325 CCA)						
Type	S46B24L(S)					
Generator	70 kW Max Output					
TRANSMISSION						
Front (FIEKA)	Single Speed, Drive Mode Switchable Reduction Gear Box					
Rear (FIE1A)	Single Speed, Fixed Reduction Gear Box					
Total Gear Ratio (Front)	Motor - Differential	9.663				
	Generator - Engine	2.737				
	Engine - Differential	3.425				
Total Gear Ratio (Rear)	7.065					
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)	4222 / 1915					
GVWR (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	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.