



Technical Service Bulletin

SUBJECT:		No: TSB-21-00-003	
TECHNICAL SPECIFICATIONS 2021 OUTLANDER PHEV		DATE: January 2021	
		MODEL: 2021 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

2021 OUTLANDER PHEV

2021 OUTLANDER PHEV	TECHNICAL AND MECHANICAL FEATURES		
Feature Description	SEL	LE	GT
Engine			
Type	2.4L MIVEC DOHC, 16-valve, 4-cylinder	2.4L MIVEC DOHC, 16-valve, 4-cylinder	2.4L MIVEC DOHC, 16-valve, 4-cylinder
Engine Code	4B12	4B12	4B12
Bore x Stroke	86.0 mm x 97.0 mm	86.0 mm x 97.0 mm	86.0 mm x 97.0 mm
Compression Ratio	12.0 : 1	12.0 : 1	12.0 : 1
Displacement	2.4L / 2,360 cc	2.4L / 2,360 cc	2.4L / 2,360 cc
Horsepower	126 hp @ 4,500 rpm	126 hp @ 4,500 rpm	126 hp @ 4,500 rpm
Torque	148 lb-ft @ 4,500 rpm	148 lb-ft @ 4,500 rpm	148 lb-ft @ 4,500 rpm
Emissions	Tier 3 Bin 30 / LEV III	Tier 3 Bin 30 / LEV III	Tier 3 Bin 30 / LEV III
Engine Oil type	SULEV30	SULEV30	SULEV30
Recommended Fuel Type	0W-20	0W-20	0W-20
Recommended Fuel Type	Regular Unleaded	Regular Unleaded	Regular Unleaded
Electric Motor Specifications			
Motor Type	Twin - AC synchronous permanent magnetic motor	Twin - AC synchronous permanent magnetic motor	Twin - AC synchronous permanent magnetic motor
Motor Code - Front	S61	S61	S61
Motor Power Output (kW) - Front	60kW	60kW	60kW
Motor Torque Output (Nm) - Front	137 Nm	137 Nm	137 Nm
Motor Code - Rear	Y61	Y61	Y61
Motor Power Output (kW) - Rear	70kW	70kW	70kW
Motor Torque Output (Nm) - Rear	195 Nm	195 Nm	195 Nm
Main Drive Battery			
Main Drive Battery Capacity and Chemistry	13.8 kWh Lithium-ion (Li-ion)	13.8 kWh Lithium-ion (Li-ion)	13.8 kWh Lithium-ion (Li-ion)
Voltage (V)	300-Volt	300-Volt	300-Volt
Cooling system (Forced air ventilation)	STD	STD	STD
Charging time: 120V / 8A	14.5 hours	14.5 hours	14.5 hours
Charging time: 120V / 12A	9.0 hours	9.0 hours	9.0 hours
Charging time: 240V / 16A EVSE	4.0 hours	4.0 hours	4.0 hours
Charging time: CHAdeMO DC Fastcharge (up to 80%)	25 minutes	25 minutes	25 minutes
Battery heater for cold weather	STD	STD	STD
Auxiliary Battery			
Battery type	S46B24L(S)	S46B24L(S)	S46B24L(S)
Generator Max Output (kW)	80 kW	80 kW	80 kW
Transmission			
Front	Single speed, drive mode switchable reduction gear box	Single speed, drive mode switchable reduction gear box	Single speed, drive mode switchable reduction gear box
Rear	Single speed, fixed reduction gear box	Single speed, fixed reduction gear box	Single speed, fixed reduction gear box
Suspension			
Front	MacPherson strut with stabilizer bar	MacPherson strut with stabilizer bar	MacPherson strut with stabilizer bar
Rear	Multi-link with stabilizer bar	Multi-link with stabilizer bar	Multi-link with stabilizer bar
Steering			
Type	Electric Power Steering	Electric Power Steering	Electric Power Steering
Overall Ratio	14.7 : 1	14.7 : 1	14.7 : 1
Turns, lock to lock	2.9	2.9	2.9
Turning circle	3.48ft/35.6 ft (Curb to Curb)	3.48ft/35.6 ft (Curb to Curb)	3.48ft/35.6 ft (Curb to Curb)
Brakes/ Tires/ Wheels			

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2021 OUTLANDER PHEV		TECHNICAL AND MECHANICAL FEATURES		
Feature Description		SEL	LE	GT
Front	Ventilated disc, 11.6 in rotors	Ventilated disc, 11.6 in rotors	Ventilated disc, 11.6 in rotors	Ventilated disc, 11.6 in rotors
Rear	Solid disc, 11.9 in	Solid disc, 11.9 in	Solid disc, 11.9 in	Solid disc, 11.9 in
ABS	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD) and Brake Assist	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD) and Brake Assist	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD) and Brake Assist	4-wheel, 4-channel, 4-sensors with Electronic Brake-force Distribution (EBD) and Brake Assist
Wheels	18 x 7J aluminum alloy	18 x 7J aluminum alloy	18 x 7J aluminum alloy	18 x 7J aluminum alloy
Tires	P225/55 R18	P225/55 R18	P225/55 R18	P225/55 R18
Exterior Dimensions				
Wheelbase (inches)	105.1	105.1	105.1	105.1
Overall length (inches)	184.8	184.8	184.8	184.8
Overall width (inches)	70.9	70.9	70.9	70.9
Overall height (inches)	67.3	67.3	67.3	67.3
Wheel Tread, front (inches)	60.6	60.6	60.6	60.6
Wheel Tread, rear (inches)	60.6	60.6	60.6	60.6
Ground clearance (inches)	7.3	7.3	7.3	7.3
Interior Dimensions				
Head Room (with sunroof)				
Front (inches)	40.6	(39.9)	(39.9)	(39.9)
2nd row (inches)	38.3	(38.1)	(38.1)	(38.1)
Leg room				
Front (inches)	40.9	40.9	40.9	40.9
2nd row (inches)	37.9	37.9	37.9	37.9
Shoulder room				
Front (inches)	56.4	56.4	56.4	56.4
2nd row (inches)	56.0	56.0	56.0	56.0
Hip room				
Front (inches)	52.6	52.6	52.6	52.6
2nd row (inches)	51.9	51.9	51.9	51.9
SAE volume				
SAE passenger volume (with sunroof)	102.1 cubic ft.	(101.0 cubic ft.)	(101.0 cubic ft.)	(101.0 cubic ft.)
SAE cargo volume - Behind front seats (with sunroof)	66.6 cubic ft.	(62.8 cubic ft.)	(62.8 cubic ft.)	(62.8 cubic ft.)
SAE cargo volume - Behind 2nd row seats (with sunroof)	30.4 cubic ft.	30.4 cubic ft.	30.4 cubic ft.	30.4 cubic ft.
Capacities				
Passenger Seating	5	5	5	5
Fuel	11.3 gallons	11.3 gallons	11.3 gallons	11.3 gallons
Oil	4.5 qt	4.5 qt	4.5 qt	4.5 qt
Tow Capacity (MAX) (lbs.)	1,500	1,500	1,500	1,500
Trailer Tongue Weight (MAX)(lbs.)	150	150	150	150
Weights				
Curb Weight (lbs.)	4,224	4,224	4,224	4,224
GVWR (lbs.)	5,269	5,269	5,269	5,269
Weight distribution (% Ft / % Rr)	54 / 46 %	54 / 46 %	54 / 46 %	54 / 46 %
Fuel Economy				
Total Driving Range (EPA estimate)	320	320	320	320
Driving Range: EV	24	24	24	24
Charge-Depleting Electricity Consumption Rate	45	45	45	45
Combined Fuel Economy - Gasoline Only	26	26	26	26
Combined Fuel Economy - Electricity + Gasoline	74	74	74	74
Warranties				
Basic	5-year / 60,000 miles	5-year / 60,000 miles	5-year / 60,000 miles	5-year / 60,000 miles
Limited Powertrain	10-year / 100,000 miles	10-year / 100,000 miles	10-year / 100,000 miles	10-year / 100,000 miles
PHEV Components	10-year / 100,000 miles	10-year / 100,000 miles	10-year / 100,000 miles	10-year / 100,000 miles
Main Drive Battery	10-year / 100,000 miles	10-year / 100,000 miles	10-year / 100,000 miles	10-year / 100,000 miles
Anti-corrosion	7-year / 100,000 miles	7-year / 100,000 miles	7-year / 100,000 miles	7-year / 100,000 miles
Roadside Assistance	5-year / unlimited miles	5-year / unlimited miles	5-year / unlimited miles	5-year / unlimited miles