



Technical Service Bulletin

SUBJECT:		TECHNICAL SPECIFICATIONS- 2023 OUTLANDER PHEV		No: TSB-22-00-012
				DATE: October 2022
				MODEL: 2023 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

2023 OUTLANDER PHEV Feature Description K-Model	TECHNICAL AND MECHANICAL FEATURES						
	ES GN0WDXMHZL2M	SE GN0WDXHZL2M	SE PKG GN0WDXHZL2M	SEL GN0WDXUHZL2M	SEL Touring GN0WDXUHZL2M	SEL Prem GN0WDXUHZL2M	SEL 40th Ann GN0WDXUHZL2M
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	2.4L MIVEC DOHC, 16-valve, 4-cylinder	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	4B12	4B12	4B12	4B12
Bore x Stroke	88.0mm x 97.0mm	88.0mm x 97.0mm	88.0mm x 97.0mm	88.0mm x 97.0mm	88.0mm x 97.0mm	88.0mm x 97.0mm	88.0mm x 97.0mm
Compression Ratio	11.8 : 1	11.8 : 1	11.8 : 1	11.8 : 1	11.8 : 1	11.8 : 1	11.8 : 1
Displacement	2.4L / 2,360cc	2.4L / 2,360cc	2.4L / 2,360cc	2.4L / 2,360cc	2.4L / 2,360cc	2.4L / 2,360cc	2.4L / 2,360cc
Horsepower	131hp @ 5000rpm	131hp @ 5000rpm	131hp @ 5000rpm	131hp @ 5000rpm	131hp @ 5000rpm	131hp @ 5000rpm	131hp @ 5000rpm
Torque	144lb-ft @ 4300rpm	144lb-ft @ 4300rpm	144lb-ft @ 4300rpm	144lb-ft @ 4300rpm	144lb-ft @ 4300rpm	144lb-ft @ 4300rpm	144lb-ft @ 4300rpm
Emissions	Tier3-Bin30 / LEVIII-SULEV30	Tier3-Bin30 / LEVIII-SULEV30	Tier3-Bin30 / LEVIII-SULEV30	Tier3-Bin30 / LEVIII-SULEV30	Tier3-Bin30 / LEVIII-SULEV30	Tier3-Bin30 / LEVIII-SULEV30	Tier3-Bin30 / LEVIII-SULEV30
Engine Oil type	0W-20	0W-20	0W-20	0W-20	0W-20	0W-20	0W-20
Recommended Fuel Type	Regular Unleaded	Regular Unleaded	Regular Unleaded	Regular Unleaded	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	Twin - AC synchronous permanent magnetic motor	Twin - AC synchronous permanent magnetic motor	Twin - AC synchronous permanent magnetic motor	Twin - AC synchronous permanent magnetic motor
Motor Code - Front	S91	S91	S91	S91	S91	S91	S91
Motor Power Output (kW) - Front	114hp (85kw)	114hp (85kw)	114hp (85kw)	114hp (85kw)	114hp (85kw)	114hp (85kw)	114hp (85kw)
Motor Torque Output (Nm) - Front	188lb-ft (255Nm)	188lb-ft (255Nm)	188lb-ft (255Nm)	188lb-ft (255Nm)	188lb-ft (255Nm)	188lb-ft (255Nm)	188lb-ft (255Nm)
Motor Code - Rear	YA1	YA1	YA1	YA1	YA1	YA1	YA1
Motor Power Output (kW) - Rear	134hp (100kw)	134hp (100kw)	134hp (100kw)	134hp (100kw)	134hp (100kw)	134hp (100kw)	134hp (100kw)
Motor Torque Output (Nm) - Rear	144lb-ft (195Nm)	144lb-ft (195Nm)	144lb-ft (195Nm)	144lb-ft (195Nm)	144lb-ft (195Nm)	144lb-ft (195Nm)	144lb-ft (195Nm)
Main Drive Battery							
Main Drive Battery Capacity and Chemistry	20 kWh Lithium-Ion (Li-Ion)	20 kWh Lithium-Ion (Li-Ion)	20 kWh Lithium-Ion (Li-Ion)	20 kWh Lithium-Ion (Li-Ion)	20 kWh Lithium-Ion (Li-Ion)	20 kWh Lithium-Ion (Li-Ion)	20 kWh Lithium-Ion (Li-Ion)
Voltage (V)	350-Volt	350-Volt	350-Volt	350-Volt	350-Volt	350-Volt	350-Volt
Cooling system (A/C Refrigerant)	STD	STD	STD	STD	STD	STD	STD
Charging time: 120V / 8A	—	—	—	—	—	—	—
Charging time: 120V / 12A	Approx 16.0 hours	Approx 16.0 hours	Approx 16.0 hours	Approx 16.0 hours	Approx 16.0 hours	Approx 16.0 hours	Approx 16.0 hours
Charging time: 240V / 15A EVSE	Approx 6.5 hours	Approx 6.5 hours	Approx 6.5 hours	Approx 6.5 hours	Approx 6.5 hours	Approx 6.5 hours	Approx 6.5 hours
Charging time: CHAdeMO DC Fastcharge (up to 80%)	Approx 38 minutes	Approx 38 minutes	Approx 38 minutes	Approx 38 minutes	Approx 38 minutes	Approx 38 minutes	Approx 38 minutes
Battery heater for cold weather	STD	STD	STD	STD	STD	STD	STD
Auxiliary Battery							
Battery type	L1	L1	L1	L1	L1	L1	L1
Generator Max Output (kW)	(It cannot output higher than engine power)	(It cannot output higher than engine power)	(It cannot output higher than engine power)	(It cannot output higher than engine power)	(It cannot output higher than engine power)	(It cannot output higher than engine power)	(It cannot output higher than engine power)
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	Single speed, drive mode switchable reduction gear box	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	Single speed, fixed reduction gear box	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	MacPherson strut with stabilizer bar	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	Multi-link with stabilizer bar	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	Electric Power Steering	Electric Power Steering	Electric Power Steering	Electric Power Steering
Overall Ratio	14.1:1	14.1:1	14.1:1	14.1:1	14.1:1	14.1:1	14.1:1
Turns, lock to lock	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Turning circle	36.1 ft	36.1 ft	36.1 ft	36.1 ft	36.1 ft	36.1 ft	36.1 ft
Brakes/ Tires/ Wheels							
Front	Ventilated disc, 13.8 in	Ventilated disc, 13.8 in	Ventilated disc, 13.8 in	Ventilated disc, 13.8 in	Ventilated disc, 13.8 in	Ventilated disc, 13.8 in	Ventilated disc, 13.8 in
Rear	Ventilated disc, 13.0 in	Ventilated disc, 13.0 in	Ventilated disc, 13.0 in	Ventilated disc, 13.0 in	Ventilated disc, 13.0 in	Ventilated disc, 13.0 in	Ventilated disc, 13.0 in
ABS	4 sensor, 4 channel with Electronic Brake Distribution	4 sensor, 4 channel with Electronic Brake Distribution	4 sensor, 4 channel with Electronic Brake Distribution	4 sensor, 4 channel with Electronic Brake Distribution	4 sensor, 4 channel with Electronic Brake Distribution	4 sensor, 4 channel with Electronic Brake Distribution	4 sensor, 4 channel with Electronic Brake Distribution
Wheels	18 x 7 1/2 aluminum alloy	20 x 8.3 aluminum alloy	20 x 8.3 aluminum alloy	20 x 8.3 aluminum alloy	20 x 8.3 aluminum alloy	20 x 8.3 aluminum alloy	20 x 8.3 aluminum alloy
Tires	P235/60 R18	P255/45 R20	P255/45 R20	P255/45 R20	P255/45 R20	P255/45 R20	P255/45 R20
Exterior Dimensions							
Wheelbase (inches)	106.5	106.5	106.5	106.5	106.5	106.5	106.5
Overall length (inches)	185.4	185.4	185.4	185.4	185.4	185.4	185.4
Overall width (inches) w/ mirror folded	74.7	74.7	74.7	74.7	74.7	74.7	74.7
Overall width (inches) w/ mirror unfolded	84.4	84.4	84.4	84.4	84.4	84.4	84.4
Overall height (inches)	68.5	68.7	68.7	68.7	68.7	68.7	68.7
Track, front (inches)	62.7	62.7	62.7	62.7	62.7	62.7	62.7
Track, rear (inches)	63	63	63	63	63	63	63
Ground clearance (inches)	7.8	7.9	7.9	7.9	7.9	7.9	7.9

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2023 OUTLANDER PHEV		TECHNICAL AND MECHANICAL FEATURES					
Feature Description	ES	SE	SE Pkg	SEL	SEL Touring	SEL Prem	SEL 40th Ann
	GN0WXDMHZL2M	GN0WXDXHZL2M	GN0WXDXHZL2M	GN0WXDUHZL2M	GN0WXDUHZL2M	GN0WXDUHZL2M	GN0WXDUHZL2M
Interior Dimensions							
Head Room (with sunroof)							
Front (Inches)	40.6 (38.8)	40.6 (38.8)	40.6 (38.8)	40.6 (38.8)	40.6 (38.8)	40.6 (38.8)	40.6 (38.8)
2nd row (Inches)	39.1 (37.4)	39.1 (37.4)	39.1 (37.4)	39.1 (37.4)	39.1 (37.4)	39.1 (37.4)	39.1 (37.4)
Leg room							
Front (Inches)	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2nd row (Inches)	38.1	38.1	38.1	38.1	38.1	38.1	38.1
Shoulder room							
Front (Inches)	57.9	57.9	57.9	57.9	57.9	57.9	57.9
2nd row (Inches)	55.9	55.9	55.9	55.9	55.9	55.9	55.9
Hip room							
Front (Inches)	54	54	54	54	54	54	54
2nd row (Inches)	53.3	53.3	53.3	53.3	53.3	53.3	53.3
SAE volume							
SAE passenger volume (cu ft.)	122.9 (118.3)	122.9 (118.3)	122.9 (118.3)	122.9 (118.3)	122.9 (118.3)	122.9 (118.3)	122.9 (118.3)
SAE cargo volume - Behind front seats (with sunroof) (cu.ft)	64.7	64.7	64.7	64.7	64.7	64.7	64.7
SAE cargo volume - Behind front seats (w/o sunroof) (cu.ft)	64.7	64.7	64.7	64.7	64.7	64.7	64.7
SAE cargo volume - Behind 2nd row seats (with sunroof) (cu ft.)	30.8	30.8	30.8	30.8	30.8	30.8	30.8
SAE cargo volume - Behind 2nd row seats (w/o sunroof) (cu ft.)	30.8	30.8	30.8	30.8	30.8	30.8	30.8
SAE cargo volume - Behind 3rd row seats (with sunroof) (cu ft.)	12.8	12.8	12.8	12.8	12.8	12.8	12.8
SAE cargo volume - Behind 3rd row seats (w/o sunroof) (cu ft.)	12.8	12.8	12.8	12.8	12.8	12.8	12.8
Capacities							
Passenger Seating	7	7	7	7	7	7	7
Fuel	14.79 gallons	14.79 gallons	14.79 gallons	14.79 gallons	14.79 gallons	14.79 gallons	14.79 gallons
Oil	4.97 qt	4.97 qt	4.97 qt	4.97 qt	4.97 qt	4.97 qt	4.97 qt
Tow Capacity (MAX) (lbs.) with 2 Person	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Trailer Tongue Weight (MAX)(lbs.) with 2 Person	150	150	150	150	150	150	150
Weights							
Curb Weight (lbs.)	4,607	4,651	4,651	4,685	4,685	4,685	4,685
GVWR (lbs.)	6,063	6,063	6,063	6,063	6,063	6,063	6,063
Weight distribution (% Ft / % Rr)	53% Fr / 47% Rr	53% Fr / 47% Rr	53% Fr / 47% Rr	52% Fr / 48% Rr	52% Fr / 48% Rr	52% Fr / 48% Rr	52% Fr / 48% Rr
(C/W + Accessory + Passenger)							
Curb Weight (lbs.) 7P	4,642 lbs	4,642 lbs	4,642 lbs	4,642 lbs	4,642 lbs	4,642 lbs	4,642 lbs
GVWR (lbs.) 7P	6,043 lbs	6,043 lbs	6,043 lbs	6,063 lbs	6,063 lbs	6,063 lbs	6,063 lbs
Weight distribution (% Ft / % Rr) 7P	54% Fr / 46% Rr						
Fuel Economy							
Total Driving Range (EPA estimate)	420 miles	420 miles	420 miles	420 miles	420 miles	420 miles	420 miles
Driving Range: EV	38 miles	38 miles	38 miles	38 miles	38 miles	38 miles	38 miles
Charge-Depleting Electricity Consumption Rate	52 kWh/100mi	52 kWh/100mi	52 kWh/100mi	52 kWh/100mi	52 kWh/100mi	52 kWh/100mi	52 kWh/100mi
Combined Fuel Economy - Gasoline Only	26 MPG	26 MPG	26 MPG	26 MPG	26 MPG	26 MPG	26 MPG
Combined Fuel Economy - Electricity + Gasoline	62 MPGe	62 MPGe	62 MPGe	62 MPGe	62 MPGe	62 MPGe	62 MPGe
Warranties							
Basic	5-year / 60,000 miles	5-year / 60,000 miles	5-year / 60,000 miles	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	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	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	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	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	5-year / unlimited miles	5-year / unlimited miles	5-year / unlimited miles