



Technical Service Bulletin

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|---|---|--|---|--|
| SUBJECT: | | | | No: TSB-23-00-016 |
| TECHNICAL SPECIFICATIONS - 2024 OUTLANDER PLUG-IN HYBRID | | | | DATE: August 2023 |
| | | | | MODEL: Outlander Plug-in Hybrid |
| 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 checked="" type="checkbox"/> WARRANTY PROCESSOR | <input checked="" type="checkbox"/> SALES MANAGER | |

| 2024 OUTLANDER PLUG-IN HYBRID | TECHNICAL AND MECHANICAL FEATURES | | | | | |
|--|--|--|--|--|--|--|
| Feature Description | ES | SE | SE PKG | SEL | SEL Touring | SEL Prem |
| 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 |
| Engine Code | 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 |
| Compression Ratio | 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 |
| Horsepower | 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 |
| 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 |
| Engine Oil type | 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 |
| 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 |
| Motor Code - Front | S91 | S91 | S91 | S91 | S91 | S91 |
| Motor Power Output (kW) - Front | 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) |
| Motor Code - Rear | YA1 | YA1 | YA1 | YA1 | YA1 | YA1 |
| Motor Power Output (kW) - Rear | 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) |
| 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) |
| Voltage (V) | 350-Volt | 350-Volt | 350-Volt | 350-Volt | 350-Volt | 350-Volt |
| Cooling system (A/C Refrigerant) | 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 |
| 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 |
| 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 |
| Battery self-heating function (when plugged in) | STD | STD | STD | STD | STD | STD |
| Auxiliary Battery | | | | | | |
| Battery type | 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) |
| 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 |
| 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 |
| 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 |
| 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 |
| Steering | | | | | | |
| Type | 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 |
| Turns, lock to lock | 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 |
| 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 |
| 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 |
| 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 |
| Wheels | 18 x 7 1/2 aluminum alloy | 20 x 83 aluminum alloy | 20 x 83 aluminum alloy | 20 x 83 aluminum alloy | 20 x 83 aluminum alloy | 20 x 83 aluminum alloy |
| Tires | P235/60 R18 | 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 |
| Overall length (inches) | 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 |
| Overall width (inches) w/ mirror unfolded | 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 |
| Track, front (inches) | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| Track, rear (inches) | 63 | 63 | 63 | 63 | 63 | 63 |
| Ground clearance (inches) | 7.8 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |

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| 2024 OUTLANDER PLUG-IN HYBRID | | TECHNICAL AND MECHANICAL FEATURES | | | | | |
|---|--------------------------|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|
| Feature Description | ES | SE | SE PKG | SEL | SEL Touring | SEL Prem | |
| 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) | |
| 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) | |
| Leg room | | | | | | | |
| Front (Inches) | 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 | |
| Shoulder room | | | | | | | |
| Front (Inches) | 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 | |
| Hip room | | | | | | | |
| Front (Inches) | 54 | 54 | 54 | 54 | 54 | 54 | |
| 2nd row (Inches) | 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) | |
| SAE cargo volume - Behind front seats (with sunroof) (cu.ft) | 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 | |
| SAE cargo volume - Behind 2nd row seats (with sunroof) (cu ft.) | 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 | |
| SAE cargo volume - Behind 3rd row seats (with sunroof) (cu ft.) | 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 | |
| Capacities | | | | | | | |
| Passenger Seating | 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 | |
| Oil | 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 | |
| Trailer Tongue Weight (MAX)(lbs.) with 2 Person | 150 | 150 | 150 | 150 | 150 | 150 | |
| Weights | | | | | | | |
| Curb Weight (lbs.) | 4,607 | 4,651 | 4,651 | 4,685 | 4,685 | 4,685 | |
| GVWR (lbs.) | 6,063 | 6,063 | 6,063 | 6,063 | 6,063 | 6,063 | |
| Weight distribution (% Ft / % Rr) (C/W + Accessory + Passenger) | 53% Fr / 47% Rr | 53% Fr / 47% Rr | 53% Fr / 47% Rr | 52% Fr / 48% Rr | 52% Fr / 48% Rr | 52% Fr / 48% Rr | |
| Curb Weight (lbs.) 7P | 4,642 lbs | 4,642 lbs | 4,642 lbs | 4,642 lbs | 4,642 lbs | 4,642 lbs | |
| GVWR (lbs.) 7P | 6,063 lbs | 6,063 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 | |
| Driving Range: EV | 38 miles | 38 miles | 38 miles | 38 miles | 38 miles | 38 miles | |
| Charge-Depleting Electricity Consumption Rate | 52 kWh/100ml | 52 kWh/100ml | 52 kWh/100ml | 52 kWh/100ml | 52 kWh/100ml | 52 kWh/100ml | |
| Combined Fuel Economy - Gasoline Only | 26 MPG | 26 MPG | 26 MPG | 26 MPG | 26 MPG | 26 MPG | |
| Combined Fuel Economy - Electricity + Gasoline | 64MPGe | 64MPGe | 64MPGe | 64MPGe | 64MPGe | 64MPGe | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |
| 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 | |