

SUSPENSION SYSTEM – GENERAL INFORMATION

[G2344318]

SPECIFICATIONS

ITEM	SPECIFICATION
* Nominal heights from hub centre to underside of wheel arch (not liner):	Air spring suspension
Front	509 ± 12 mm (20.04 ± 0.47 in)
Rear	520 ± 13 mm (20.47 ± 0.51 in)

* Measurement taken with vehicle at unladen weight

Wheel Alignment Specification - Front - Air Spring Suspension - Non Plug-in Hybrid Electric Vehicle (PHEV)



NOTE:

All figures are with vehicle at 'Showroom' ride height - full fluids, full tank of fuel, no occupants/luggage, tires inflated to normal pressures

ITEM		LEFT-HAND		RIGHT-HAND		TOTAL/BALANCE	
Camber		Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
	Decimal degrees	-0.61°	± 0.75°	-0.61°	± 0.75°	0.0°	± 0.75°
	Degrees/minutes	0°-37'	0°45'	0°-37'	0°45'	0°0'	0°45'
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
	Decimal degrees	-1.36°	0.14°	-1.36°	0.14°	-0.75°	0.75°
	Degrees/minutes	-1°22'	0°8'	-1°22'	0°8'	0°-45'	0°45'
Castor		Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
	Decimal degrees	4.00°	± 0.75°	4.00°	± 0.75°	0.0°	± 0.75°
	Degrees/minutes	4°0'	0°45'	4°0'	0°45'	0°0'	0°45'
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
	Decimal degrees	3.25°	4.75°	3.25°	4.75°	-0.75°	0.75°
	Degrees/minutes	3°15'	4°45'	3°15'	4°45'	0°-45'	0°45'

ITEM		LEFT-HAND		RIGHT-HAND		TOTAL/BALANCE	
Toe						Nominal	Tolerance
	Decimal degrees					0.26°	± 0.14°
	Degrees/minutes					0°16'	0°8'
						Minimum	Maximum
	Decimal degrees					0.12°	0.40°
	Degrees/minutes					0°7'	0°24'

Wheel Alignment Specification - Front - Air Spring Suspension - PHEV



NOTE:

All figures are with vehicle at 'Showroom' ride height - full fluids, full tank of fuel, no occupants/luggage, tires inflated to normal pressures

ITEM		LEFT-HAND		RIGHT-HAND		TOTAL/BALANCE	
Camber		Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
	Decimal degrees	-0.61°	± 0.75°	-0.61°	± 0.75°	0.0°	± 0.75°
	Degrees/minutes	0°36'	0°45'	0°36'	0°45'	0°0'	0°45'
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
	Decimal degrees	-1.36°	0.15°	-1.36°	0.15°	-0.75°	0.75°
	Degrees/minutes	-1°21'	0°9'	-1°21'	0°9'	0°-45'	0°45'
Castor		Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
	Decimal degrees	4.05°	± 0.75°	4.05°	± 0.75°	0.0°	± 0.75°
	Degrees/minutes	4°3'	0°45'	4°3'	0°45'	0°0'	0°45'
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
	Decimal degrees	3.30°	4.80°	3.30°	4.80°	-0.75°	0.75°
	Degrees/minutes	3°18'	4°48'	3°18'	4°48'	0°-45'	0°45'
Toe						Nominal	Tolerance
	Decimal degrees					0.26°	± 0.14°
	Degrees/minutes					0°16'	0°8'
						Minimum	Maximum
	Decimal degrees					0.12°	0.40°

ITEM		LEFT-HAND		RIGHT-HAND		TOTAL/BALANCE	
	Degrees/minutes					0°7'	0°24'

Wheel Alignment Specification - Rear - Air Spring Suspension - Non PHEV



NOTE:

All figures are with vehicle at 'Showroom' ride height - full fluids, full tank of fuel, no occupants/luggage, tires inflated to normal pressures

ITEM		LEFT-HAND		RIGHT-HAND		TOTAL/BALANCE		THRUST ANGLE	
Camber		Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
	Decimal degrees	-1.46°	± 0.75°	-1.46°	± 0.75°	0.0°	± 0.75°	0°	± 0.07°
	Degrees /minutes	-1°28'	0°45'	-1°28'	0°45'	0°0'	0°45'	0°0'	0°4'
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
	Decimal degrees	-2.21°	-0.71°	-2.21°	-0.71°	-0.75°	0.75°	-0.07°	0.07°
	Degrees /minutes	-2°13'	0°-43'	-2°13'	0°-43'	0°-45'	0°45'	0°-4'	0°4'
Toe		Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance		
	Decimal degrees	0.13°	± 0.10°	0.13°	± 0.10°	0.26°	± 0.14°		
	Degrees /minutes	0°8'	0°6'	0°8'	0°6'	0°16'	0°8'		
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum		
	Decimal degrees	0.03°	0.23°	0.03°	0.23°	0.12°	0.40°		
	Degrees /minutes	0°2'	0°14'	0°2'	0°14'	0°7'	0°24'		

Wheel Alignment Specification - Rear - Air Spring Suspension - PHEV



NOTE:

All figures are with vehicle at 'Showroom' ride height - full fluids, full tank of fuel, no occupants/luggage, tires inflated to normal pressures

ITEM		LEFT-HAND		RIGHT-HAND		TOTAL/BALANCE		THRUST ANGLE	
Camber		Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance
	Decimal degrees	-1.47°	± 0.75°	-1.47°	± 0.75°	0.0°	± 0.75°	0°	± 0.07°
	Degrees /minutes	-1°28'	0°45'	-1°28'	0°45'	0°0'	0°45'	0°0'	0°4'
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
	Decimal degrees	-2.22°	-0.72°	-2.22°	-0.72°	-0.75°	0.75°	-0.07°	0.07°
	Degrees /minutes	-2°13'	0°-43'	-2°13'	0°-43'	0°-45'	0°45'	0°-4'	0°4'
Toe		Nominal	Tolerance	Nominal	Tolerance	Nominal	Tolerance		
	Decimal degrees	0.13°	± 0.10°	0.13°	± 0.10°	0.26°	± 0.14°		
	Degrees /minutes	0°8'	0°6'	0°8'	0°6'	0°16'	0°8'		
		Minimum	Maximum	Minimum	Maximum	Minimum	Maximum		
	Decimal degrees	0.03°	0.23°	0.03°	0.23°	0.12°	0.40°		
	Degrees /minutes	0°2'	0°14'	0°2'	0°14'	0°7'	0°24'		