

# **SPECIFICATIONS**

# Impreza

## SPECIFICATIONS

### 1. Impreza

#### A: DIMENSION

Model		Sedan	Wagon	OUTBACK	STI	
Overall length	mm (in)	4,465 (175.8)				
Overall width	mm (in)	1,740 (68.4)	1,695 (66.7)	1,710 (67.3)	1,740 (68.1)	
Overall height (at C.W.)	mm (in)	1,440 (56.7)	1,485 (58.5)	1,495 (58.9)	1,430 (56.3)	
Compartment	Length	mm (in)	1,890 (74.4)	1,845 (72.6)		1,890 (74.4)
	Width	mm (in)	1,380 (54.3)			
	Height	mm (in)	1,180 (46.5), 1,125 (44.3)* <sup>2</sup>	1,200 (47.2), 1,150 (45.3)* <sup>2</sup>	1,200 (47.2), 1,150 (45.3)* <sup>2</sup>	1,180 (46.5)
Wheelbase	mm (in)	2,525 (99.4)			2,540 (100.0)	
Tread	Front	mm (in)	1,485 (58.5)	1,465 (57.7)	1,460 (57.5)	1,490 (58.7)
	Rear	mm (in)	1,475 (58.1), 1,480 (58.3)* <sup>1</sup>	1,455 (57.3)	1,455 (57.3)	1,495 (58.9)
Minimum road clearance	mm (in)	160 (6.3)	160 (6.3)	170 (6.7)	145 (5.7)	

\*1: WRX

\*2: With sun roof

#### B: ENGINE

Model		2.5 L Turbo	2.5 L	STI
Engine type		Horizontally opposed, liquid cooled, 4-cylinder, 4-stroke gasoline engine		
Valve arrangement		DOHC	SOHC	DOHC
Bore × Stroke	mm (in)	99.5 × 79 (3.92 × 3.11)		
Displacement	cm <sup>3</sup> (cu in)	2,457 (149.94)		
Compression ratio		8.4±0.2	10.0±0.2	8.2±0.2
Firing order		1 — 3 — 2 — 4		
Idle speed at Park/Neutral position	rpm	700±100	MT: 650±100 AT: 700±100	700±100
Maximum output	kW (HP)/rpm	172 (230)/5,600	129 (173)/6,000	224 (300)/6,000
Maximum torque	N·m (kgf-m, ft-lb)/rpm	319 (32.5, 235)/3,600	226 (23.0, 166)/4,400	407 (41.5, 300)/4,000

#### C: ELECTRICAL

Model		2.5 L Turbo	2.5 L	STI
Ignition timing at idling	BTDC	17°±10°/700	MT: 10°±8°/650 AT: 15°±8°/700	17°±10°/700
Spark plug	Type and manufacturer	NGK: ILFR6B	NGK: FR5AP-11	NGK: ILFR6B
Generator		12 V — 110 A	12 V — 90 A	12 V — 90 A
Battery	Type and capacity (5HR)	AT: 12 V — 52 AH (75D23L) MT: 12 V — 48 AH (55D23L)		12 V — 48 AH (55D23L)

## D: TRANSMISSION

Model		2.5 L Turbo		2.5 L		STI	
Transmission type		5MT	4AT	5MT	4AT	6MT	
Clutch type		DSPD	TCC	DSPD	TCC	DSPD	
Gear ratio	1st	3.454	2.785	3.454	2.785	3.636	
	2nd	1.947	1.545	2.062	1.545	2.375	
	3rd	1.366	1.000	1.448	1.000	1.761	
	4th	0.972	0.694	1.088	0.694	1.346	
	5th	0.738	—	0.780	—	0.971	
	6th	—	—	—	—	0.756	
	Reverse	3.333	2.272	3.333	2.272	3.545	
Reduction gear (Front drive)	1st reduction	Type of gear	—	Helical	—	Helical	
		Gear ratio	—	1.000	—	1.000	
	Final reduction	Type of gear	Hypoid	Hypoid	Hypoid	Hypoid	Hypoid
		Gear ratio	3.700	3.900	3.900	4.111	3.900
Reduction gear (Rear drive)	Transfer reduction	Type of gear	Helical	—	Helical	—	
		Gear ratio	1.000	—	1.000	—	
	Final reduction	Type of gear	Hypoid	Hypoid	Hypoid	Hypoid	Hypoid
		Gear ratio	3.700	3.900	3.900	4.111	3.545

5MT: 5-forward speeds with synchromesh and 1-reverse

4AT: Electronically controlled fully-automatic, 4-forward speeds and 1-reverse

6MT: 6-forward speeds with synchromesh and 1-reverse

DSPD: Dry Single Plate Diaphragm

TCC: Torque Converter Clutch

## E: STEERING

Model		2.5i, OUTBACK	WRX	STI
Type		Rack and Pinion		
Turns, lock to lock		3.0	2.7	2.6
Minimum turning circle	m (ft)	Curb to curb		11.4 (37.4)
		Wall to wall		12.0 (39.4)

## F: SUSPENSION

Front	Macpherson strut type, Independent, Coil spring
Rear	Dual-link type, Independent, Coil spring

## G: BRAKE

Model	2.5i, OUTBACK	WRX	STI
Service brake system	Dual circuit hydraulic with vacuum suspended power unit		
Front	Ventilated disc brake		
Rear	Disc brake	Ventilated disc brake	
Parking brake	Mechanical on rear brakes		

## H: TIRE

Model	2.5i, OUTBACK	WRX	STI
Rim size	16 × 6 <sup>1</sup> / <sub>2</sub> JJ	17 × 7JJ	17 × 8JJ
Tire size	P205/55R16 89V	215/45R17 91W	225/45R17 90W
Type	Steel belted radial, Tubeless		

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## SPECIFICATIONS

### I: CAPACITY

Model		2.5 L Turbo		2.5 L		STI		
		5MT	4AT	5MT	4AT	6MT		
Fuel tank		ℓ (US gal, Imp gal)					60 (15.9, 13.2)	
Engine oil	Total capacity (at overhaul)	ℓ (US qt, Imp qt)		5.0 (5.3, 4.4)		4.8 (5.1, 4.2)	5.0 (5.3, 4.4)	
	Filling amount of engine oil (at filter replacement)	ℓ (US qt, Imp qt)		4.3 (4.5, 3.8)		4.2 (4.4, 3.7)	4.3 (4.5, 3.8)	
	Filling amount of engine oil (without filter replacement)	ℓ (US qt, Imp qt)		4.0 (4.2, 3.5)				
Transmission gear oil		ℓ (US qt, Imp qt)		3.5 (3.7, 3.1)	—	3.5 (3.7, 3.1)	—	4.1 (4.3, 3.6)
ATF		ℓ (US qt, Imp qt)		—	9.3 — 9.6 (9.8 — 10.1, 8.2 — 8.4)	—	9.3 — 9.6 (9.8 — 10.1, 8.2 — 8.4)	—
Front differential gear oil		ℓ (US qt, Imp qt)		—	1.1 — 1.3 (1.2 — 1.4, 1.0 — 1.1)	—	1.1 — 1.3 (1.2 — 1.4, 1.0 — 1.1)	—
Rear differential gear oil		ℓ (US qt, Imp qt)		0.8 (0.8, 0.7)			1.0 (1.1, 0.9)	
Power steering fluid		ℓ (US qt, Imp qt)					0.7 (0.7, 0.6)	
Engine coolant		ℓ (US qt, Imp qt)		7.7 (8.1, 6.8)	7.6 (8.0, 6.7)	7.0 (7.4, 6.2)	6.9 (7.3, 6.1)	7.7 (8.1, 6.8)

## J: WEIGHT

### 1. FOR U.S. MODEL

#### Sedan

Model			Non-turbo		Turbo		
			2.5i		WRX		
			5MT	4AT	5MT		
Curb weight (C.W.)	Front	kg (lb)	792 (1,746)	818 (1,803)	861 (1,898)	870 (1,918)	869 (1,916)
	Rear	kg (lb)	576 (1,270)	573 (1,263)	587 (1,294)	599 (1,321)	598 (1,318)
	Total	kg (lb)	1,368 (3,016)	1,391 (3,067)	1,448 (3,192)	1,469 (3,239)	1,467 (3,234)
Gross axle weight (G.A.W.)	Front	kg (lb)	939 (2,070)	939 (2,070)	998 (2,200)	998 (2,200)	998 (2,200)
	Rear	kg (lb)	907 (2,000)	907 (2,000)	916 (2,020)	916 (2,020)	916 (2,020)
Gross vehicle weight (G.V.W.)		kg (lb)	1,778 (3,920)	1,778 (3,920)	1,850 (4,079)	1,850 (4,079)	1,850 (4,079)
Option	Power window		○	○	○	○	○
	Power door lock		○	○	○	○	○
	Cruise control		○	○	○	○	○
	ABS		○	○	○	○	○
	Front LSD		—	—	—	—	—
	DCCD auto		—	—	—	—	—
	Cold W package		—	—	—	○	—
	Aluminium wheel	Gold color	—	—	—	—	—
		Silver color	—	—	—	—	—
	Air conditioner		○	○	○	○	○
	Sun roof		—	—	—	○	○
	Dual airbag		○	○	○	○	○
	Side airbag		○	○	○	○	○
	Rear spoiler		—	—	—	○	—
Seat in pure hide		—	—	—	○	—	

Model			Turbo		
			WRX		STI
			4AT		6MT
Curb weight (C.W.)	Front	kg (lb)	893 (1,969)	895 (1,973)	886 (1,953)
	Rear	kg (lb)	580 (1,279)	600 (1,323)	634 (1,398)
	Total	kg (lb)	1,473 (3,247)	1,495 (3,296)	1,520 (3,351)
Gross axle weight (G.A.W.)	Front	kg (lb)	998 (2,200)	998 (2,200)	1,030 (2,271)
	Rear	kg (lb)	916 (2,020)	916 (2,020)	920 (2,028)
Gross vehicle weight (G.V.W.)		kg (lb)	1,870 (4,128)	1,870 (4,128)	1,900 (4,189)
Option	Power window		○	○	○
	Power door lock		○	○	○
	Cruise control		○	○	○
	ABS		○	○	○
	Front LSD		—	—	○
	DCCD auto		—	—	○
	Cold W package		—	○	—
	Aluminium wheel	Gold color	—	—	○
		Silver color	—	—	—
	Air conditioner		○	○	○
	Sun roof		—	○	—
	Dual airbag		○	○	○
	Side airbag		○	○	○
	Rear spoiler		—	○	—
Seat in pure hide		—	○	—	

# Impreza

## SPECIFICATIONS

### Wagon

Model			Non-turbo			
			2.5i		OUTBACK	
			5MT	4AT	5MT	4AT
Curb weight (C.W.)	Front	kg (lb)	786 (1,733)	806 (1,777)	788 (1,737)	811 (1,788)
	Rear	kg (lb)	607 (1,338)	609 (1,343)	603 (1,329)	604 (1,332)
	Total	kg (lb)	1,393 (3,071)	1,415 (3,120)	1,391 (3,067)	1,415 (3,120)
Gross axle weight (G.A.W.)	Front	kg (lb)	939 (2,070)	939 (2,070)	939 (2,070)	939 (2,070)
	Rear	kg (lb)	953 (2,100)	953 (2,100)	953 (2,100)	953 (2,100)
Gross vehicle weight (G.V.W.)		kg (lb)	1,833 (4,041)	1,833 (4,041)	1,833 (4,041)	1,833 (4,041)
Option	Power window		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Power door lock		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Cruise control		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	ABS		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Front LSD		—	—	—	—
	DCCD auto		—	—	—	—
	Cold W package		—	—	—	—
	Aluminium wheel	Gold color	—	—	—	—
		Silver color	—	—	—	—
	Air conditioner		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Sun roof		—	—	—	—
	Dual airbag		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Side airbag		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Rear spoiler		—	—	—	—
	Seat in pure hide		—	—	—	—

Model			Turbo			
			WRX			
			5MT		4AT	
Curb weight (C.W.)	Front	kg (lb)	856 (1,887)	863 (1,903)	881 (1,942)	888 (1,958)
	Rear	kg (lb)	619 (1,365)	631 (1,391)	619 (1,365)	630 (1,389)
	Total	kg (lb)	1,475 (3,252)	1,494 (3,294)	1,500 (3,307)	1,518 (3,347)
Gross axle weight (G.A.W.)	Front	kg (lb)	998 (2,200)	998 (2,200)	998 (2,200)	998 (2,200)
	Rear	kg (lb)	953 (2,100)	953 (2,100)	953 (2,100)	953 (2,100)
Gross vehicle weight (G.V.W.)		kg (lb)	1,910 (4,211)	1,910 (4,211)	1,930 (4,255)	1,930 (4,255)
Option	Power window		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Power door lock		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Cruise control		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	ABS		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Front LSD		—	—	—	—
	DCCD auto		—	—	—	—
	Cold W package		—	<input type="radio"/>	—	<input type="radio"/>
	Aluminium wheel	Gold color	—	—	—	—
		Silver color	—	—	—	—
	Air conditioner		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Sun roof		—	<input type="radio"/>	—	<input type="radio"/>
	Dual airbag		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Side airbag		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Rear spoiler		—	—	—	—
	Seat in pure hide		—	<input type="radio"/>	—	<input type="radio"/>

## 2. FOR CANADA MODEL

### Sedan

Model			Non-turbo		Turbo		
			2.5i		WRX		
			5MT	4AT	5MT		
Curb weight (C.W.)	Front	kg (lb)	792 (1,746)	818 (1,803)	862 (1,902)	870 (1,918)	869 (1,916)
	Rear	kg (lb)	576 (1,270)	573 (1,263)	590 (1,300)	599 (1,321)	598 (1,318)
	Total	kg (lb)	1,368 (3,016)	1,391 (3,067)	1,452 (3,202)	1,469 (3,239)	1,467 (3,234)
Gross axle weight (G.A.W.)	Front	kg (lb)	939 (2,070)	939 (2,070)	998 (2,200)	998 (2,200)	998 (2,200)
	Rear	kg (lb)	907 (2,000)	907 (2,000)	916 (2,020)	916 (2,020)	916 (2,020)
Gross vehicle weight (G.V.W.)		kg (lb)	1,778 (3,920)	1,778 (3,920)	1,850 (4,079)	1,850 (4,079)	1,850 (4,079)
Option	Power window		○	○	○	○	○
	Power door lock		○	○	○	○	○
	Cruise control		○	○	○	○	○
	ABS		○	○	○	○	○
	Front LSD		—	—	—	—	—
	DCCD auto		—	—	—	—	—
	Cold W package		—	—	○	○	—
	Aluminium wheel	Gold color	—	—	—	—	—
		Silver color	—	—	—	—	—
	Air conditioner		○	○	○	○	○
	Sun roof		—	—	—	○	○
	Dual airbag		○	○	○	○	○
	Side airbag		○	○	○	○	○
	Rear spoiler		—	—	○	○	—
Seat in pure hide		—	—	—	—	—	

Model			Turbo				
			WRX			STI	
			4AT			6MT	
Curb weight (C.W.)	Front	kg (lb)	889 (1,960)	895 (1,973)	888 (1,958)	886 (1,953)	886 (1,953)
	Rear	kg (lb)	589 (1,299)	599 (1,321)	588 (1,296)	634 (1,398)	634 (1,398)
	Total	kg (lb)	1,478 (3,259)	1,494 (3,294)	1,476 (3,254)	1,520 (3,351)	1,520 (3,351)
Gross axle weight (G.A.W.)	Front	kg (lb)	998 (2,200)	998 (2,200)	998 (2,200)	1,030 (2,271)	1,030 (2,271)
	Rear	kg (lb)	916 (2,020)	916 (2,020)	916 (2,020)	920 (2,028)	920 (2,028)
Gross vehicle weight (G.V.W.)		kg (lb)	1,870 (4,128)	1,870 (4,128)	1,870 (4,128)	1,900 (4,189)	1,900 (4,189)
Option	Power window		○	○	○	○	○
	Power door lock		○	○	○	○	○
	Cruise control		○	○	○	○	○
	ABS		○	○	○	○	○
	Front LSD		—	—	—	○	○
	DCCD auto		—	—	—	○	○
	Cold W package		○	○	—	—	—
	Aluminium wheel	Gold color	—	—	—	○	—
		Silver color	—	—	—	—	○
	Air conditioner		○	○	○	○	○
	Sun roof		—	○	—	—	—
	Dual airbag		○	○	○	○	○
	Side airbag		○	○	○	○	○
	Rear spoiler		○	○	—	—	—
Seat in pure hide		—	—	—	—	—	

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### Wagon

Model			Non-turbo			
			2.5i		OUTBACK	
			5MT	4AT	5MT	4AT
Curb weight (C.W.)	Front	kg (lb)	786 (1,733)	806 (1,777)	788 (1,737)	811 (1,788)
	Rear	kg (lb)	607 (1,338)	609 (1,343)	603 (1,329)	604 (1,332)
	Total	kg (lb)	1,393 (3,071)	1,415 (3,120)	1,391 (3,067)	1,415 (3,120)
Gross axle weight (G.A.W.)	Front	kg (lb)	939 (2,070)	939 (2,070)	939 (2,070)	939 (2,070)
	Rear	kg (lb)	953 (2,100)	953 (2,100)	953 (2,100)	953 (2,100)
Gross vehicle weight (G.V.W.)		kg (lb)	1,833 (4,041)	1,833 (4,041)	1,833 (4,041)	1,833 (4,041)
Option	Power window		○	○	○	○
	Power door lock		○	○	○	○
	Cruise control		○	○	○	○
	ABS		○	○	○	○
	Front LSD		—	—	—	—
	DCCD auto		—	—	—	—
	Cold W package		—	—	—	—
	Aluminium wheel	Gold color	—	—	—	—
		Silver color	—	—	—	—
	Air conditioner		○	○	○	○
	Sun roof		—	—	—	—
	Dual airbag		○	○	○	○
	Side airbag		○	○	○	○
	Rear spoiler		—	—	—	—
	Seat in pure hide		—	—	—	—

Model			Turbo			
			WRX			
			5MT		4AT	
Curb weight (C.W.)	Front	kg (lb)	857 (1,889)	863 (1,902)	856 (1,887)	882 (1,944)
	Rear	kg (lb)	620 (1,368)	630 (1,390)	619 (1,365)	620 (1,368)
	Total	kg (lb)	1,477 (3,257)	1,493 (3,292)	1,475 (3,252)	1,502 (3,312)
Gross axle weight (G.A.W.)	Front	kg (lb)	998 (2,200)	998 (2,200)	998 (2,200)	998 (2,200)
	Rear	kg (lb)	953 (2,100)	953 (2,100)	953 (2,100)	953 (2,100)
Gross vehicle weight (G.V.W.)		kg (lb)	1,910 (4,211)	1,910 (4,211)	1,910 (4,211)	1,930 (4,255)
Option	Power window		○	○	○	○
	Power door lock		○	○	○	○
	Cruise control		○	○	○	○
	ABS		○	○	○	○
	Front LSD		—	—	—	—
	DCCD auto		—	—	—	—
	Cold W package		○	○	—	○
	Aluminium wheel	Gold color	—	—	—	—
		Silver color	—	—	—	—
	Air conditioner		○	○	○	○
	Sun roof		—	○	—	—
	Dual airbag		○	○	○	○
	Side airbag		○	○	○	○
	Rear spoiler		○	○	—	○
	Seat in pure hide		—	—	—	—