

# **SPECIFICATIONS**

## IMPREZA

### SPECIFICATIONS

## 1. Impreza

### A: DIMENSIONS

Model		Sedan	Wagon	OUTBACK	STi	
Overall length	mm (in)	4,415 (173.8)				
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)		1,890 (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)	1,485 (58.5)
Minimum road clearance	mm (in)	150 (5.9), 155 (6.1)* <sup>1</sup>	150 (5.9), 155 (6.1)* <sup>1</sup>	160 (6.3)	145 (5.7)	

\*1: WRX

\*2: With sun roof

### B: ENGINE

Model		Turbo 2.0 L	2.5 L	STi
Engine type		Horizontally opposed, liquid cooled, 4-cylinder, 4-stroke gasoline engine		
Valve arrangement		Overhead camshaft type		
Bore × Stroke	mm (in)	92 × 75 (3.62 × 2.95)	99.5 × 79 (3.92 × 3.11)	
Displacement	cm <sup>3</sup> (cu in)	1,994 (121.67)	2,457 (149.9)	
Compression ratio		8.0±0.2	10.0±0.2	8.2±0.2
Firing order		1 — 3 — 2 — 4		
Idle speed at Park/Neutral position	rpm	750±100	MT: 650±100 AT: 700±100	700±100
Maximum output	kW (HP)/ rpm	169 (227)/6,000	123 (165)/5,600	224 (300)/6,000
Maximum torque	N·m (kgf-m, ft-lb)/rpm	294 (30.0, 217)/4,000	226 (23.0, 166)/4,000	407 (41.5, 300)/4,000

### C: ELECTRICAL

Model		Turbo 2.0 L	2.5 L	STi
Ignition timing at idling	BTDC	12° ±10°	MT: 10° ±8° AT: 15° ±8°	17° ±10°
Spark plug	Type and manufacturer	NGK: PFR6G	CHAMPION: RC10YC4 (standard) NGK: BKR5E-11 NGK: BKR6E-11	NGK : IFLR6B
Generator		12 V — 75 A		12 V — 90 A
Battery	Type and capacity (5HR)	MT: 12 V — 48 AH (55D23L) AT: 12 V — 52 AH (65D23L)	MT: 12 V — 48 AH (55D23L) AT: 12 V — 52 AH (75D23L)	12 V — 48 AH (55D23L)

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### D: TRANSMISSION

Model		Turbo 2.0 L		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, 3.027*1	3.636	
	2nd	1.947	1.545	2.062	1.545, 1.619*1	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	
	Dual range	—	—	—	—	—	
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	3.900	4.111	3.900, 4.111*1	4.111, 4.444*1	3.900
Reduction gear (Rear drive)	Transfer reduction	Type of gear	Helical	—	Helical	—	
		Gear ratio	1.100	—	1.000	—	
	Final reduction	Type of gear	Hypoid	Hypoid	Hypoid	Hypoid	Hypoid
		Gear ratio	3.545	4.111	3.900, 4.111*1	4.111, 4.444*1	3.900

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

\*1: Sedan model

### E: STEERING

Model		TS	RS, OUTBACK, WRX	STi
Type		Rack and Pinion		
Turns, lock to lock		3.2	3.0	2.7
Minimum turning circle	m (ft)	Curb to curb	10.8 (35.4)	
		Wall to wall	11.7 (38.3)	

### F: SUSPENSION

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

### G: BRAKE

Model	Turbo 2.0 L, 2.5 L	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	

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## SPECIFICATIONS

### H: TIRE

Model	TS	RS, OUTBACK, WRX	STi
Rim size	15 × 6JJ	16 × 6 <sup>1</sup> / <sub>2</sub> JJ	17 × 7 <sup>1</sup> / <sub>2</sub> JJ
Tire size	P195/60R15 87H	P205/55R16 89V	225/45R17 90W
Type	Steel belted radial, Tubeless		

### I: CAPACITY

Model	Turbo 2.0 L		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	ℓ (US qt, Imp qt) 4.5 (4.8, 4.0)		4.0 (4.2, 3.5)	
	Engine oil amount for refill	ℓ (US qt, Imp qt) Approx. 4.5 (4.8, 4.0)		Approx. 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 (9.8, 8.2)	—	9.3 (9.8, 8.2)	—
Front differential gear oil	ℓ (US qt, Imp qt) —	1.2 (1.3, 1.1)	—	1.2 (1.3, 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		2.5 L		Turbo 2.0L			
		RS		WRX			
		5MT	4AT	5MT			
Curb weight (C.W.)	Front	kgf (lb) 778 (1,715)	803 (1,770)	826 (1,820)	832 (1,834)	833 (1,836)	
	Rear	kgf (lb) 567 (1,250)	567 (1,250)	573 (1,265)	586 (1,292)	588 (1,297)	
	Total	kgf (lb) 1,345 (2,965)	1,370 (3,020)	1,399 (3,085)	1,418 (3,126)	1,421 (3,133)	
Gross axle weight (G.A.W.)	Front	kgf (lb) 939 (2,070)	939 (2,070)	998 (2,200)	998 (2,200)	998 (2,200)	
	Rear	kgf (lb) 907 (2,000)	907 (2,000)	916 (2,020)	916 (2,020)	916 (2,020)	
	Total	kgf (lb) 1,778 (3,920)	1,778 (3,920)	1,837 (4,050)	1,837 (4,050)	1,837 (4,050)	
Option	Power window	○	○	○	○	○	
	Power door lock	○	○	○	○	○	
	Cruise control	○	○	○	○	○	
	ABS	○	○	○	○	○	
	Air conditioner	○	○	○	○	○	
	Cold W package	—	—	—	○	○	
	Sun roof	—	—	—	○	○	
	Dual airbag	○	○	○	○	○	
	Side airbag	—	—	○	○	○	
	Rear spoiler	—	—	—	○	○	
	Seat in pure hide	—	—	—	—	○	
	Front LSD	—	—	—	—	—	
	Aluminum wheel	Gold color	—	—	—	—	—
		Silver color	—	—	—	—	—

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## SPECIFICATIONS

Model		Turbo 2.0 L			Turbo 2.5 L		
		WRX			STi		
		4AT			6MT		
Curb weight (C.W.)	Front	kgf (lb)	850 (1,875)	857 (1,889)	858 (1,891)	863 (1,903)	863 (1,903)
	Rear	kgf (lb)	574 (1,265)	586 (1,292)	588 (1,297)	613 (1,351)	613 (1,351)
	Total	kgf (lb)	1,424 (3,140)	1,443 (3,181)	1,446 (3,188)	1,476 (3,254)	1,476 (3,254)
Gross axle weight (G.A.W.)	Front	kgf (lb)	998 (2,200)	998 (2,200)	998 (2,200)	1,030 (2,271)	1,030 (2,271)
	Rear	kgf (lb)	916 (2,020)	916 (2,020)	916 (2,020)	920 (2,028)	920 (2,028)
	Total	kgf (lb)	1,837 (4,050)	1,837 (4,050)	1,837 (4,050)	1,880 (4,145)	1,880 (4,145)
Option	Power window		○	○	○	○	○
	Power door lock		○	○	○	○	○
	Cruise control		○	○	○	○	○
	ABS		○	○	○	○	○
	Air conditioner		○	○	○	○	○
	Cold W package		—	○	○	—	—
	Sun roof		—	○	○	—	—
	Dual airbag		○	○	○	○	○
	Side airbag		○	○	○	○	○
	Rear spoiler		—	○	○	—	—
	Seat in pure hide		—	—	○	—	—
	Front LSD		—	—	—	○	○
	Aluminum wheel	Gold color	—	—	—	○	—
		Silver color	—	—	—	—	○

SPC-5



# IMPREZA

## SPECIFICATIONS

### Wagon

Model			2.5 L		2.5 L	
			TS		OUTBACK	
			5MT	4AT	5MT	4AT
Curb weight (C.W.)	Front	kgf (lb)	778 (1,715)	801 (1,765)	783 (1,725)	805 (1,775)
	Rear	kgf (lb)	603 (1,330)	605 (1,335)	601 (1,325)	603 (1,330)
	Total	kgf (lb)	1,381 (3,045)	1,406 (3,100)	1,384 (3,050)	1,408 (3,105)
Gross axle weight (G.A.W.)	Front	kgf (lb)	939 (2,070)	939 (2,070)	939 (2,070)	939 (2,070)
	Rear	kgf (lb)	953 (2,100)	953 (2,100)	953 (2,100)	953 (2,100)
	Total	kgf (lb)	1,833 (4,040)	1,833 (4,040)	1,833 (4,040)	1,833 (4,040)
Option	Power window		○	○	○	○
	Power door lock		○	○	○	○
	Cruise control		○	○	○	○
	ABS		○	○	○	○
	Air conditioner		○	○	○	○
	Cold W package		—	—	—	—
	Sun roof		—	—	—	—
	Dual airbag		○	○	○	○
	Side airbag		—	—	—	—
	Rear spoiler		—	—	—	—
	Seat in pure hide		—	—	—	—
	Roof rail		○	○	○	○

Model			Turbo 2.0 L			
			WRX			
			5MT		4AT	
Curb weight (C.W.)	Front	kgf (lb)	826 (1,820)	826 (1,820)	851 (1,875)	851 (1,875)
	Rear	kgf (lb)	610 (1,345)	610 (1,345)	610 (1,345)	610 (1,345)
	Total	kgf (lb)	1,436 (3,165)	1,436 (3,165)	1,461 (3,220)	1,461 (3,220)
Gross axle weight (G.A.W.)	Front	kgf (lb)	998 (2,200)	998 (2,200)	998 (2,200)	998 (2,200)
	Rear	kgf (lb)	953 (2,100)	953 (2,100)	953 (2,100)	953 (2,100)
	Total	kgf (lb)	1,901 (4,190)	1,901 (4,190)	1,901 (4,190)	1,901 (4,190)
Option	Power window		○	○	○	○
	Power door lock		○	○	○	○
	Cruise control		○	○	○	○
	ABS		○	○	○	○
	Air conditioner		○	○	○	○
	Cold W package		—	○	○	—
	Sun roof		—	—	—	—
	Dual airbag		○	○	○	○
	Side airbag		○	○	○	○
	Rear spoiler		—	—	—	—
	Seat in pure hide		—	—	—	—
	Roof rail		○	○	○	○

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## SPECIFICATIONS

### 2. FOR CANADA MODEL

#### Sedan

Model			2.5 L		Turbo 2.0 L		
			RS		WRX		
			5MT	4AT	5MT		
Curb weight (C.W.)	Front	kgf (lb)	780 (1,720)	805 (1,775)	825 (1,820)	832 (1,834)	833 (1,836)
	Rear	kgf (lb)	570 (1,256)	570 (1,256)	576 (1,270)	586 (1,292)	588 (1,297)
	Total	kgf (lb)	1,350 (2,976)	1,375 (3,031)	1,401 (3,090)	1,418 (3,126)	1,421 (3,133)
Gross axle weight (G.A.W.)	Front	kgf (lb)	939 (2,070)	939 (2,070)	998 (2,200)	998 (2,200)	998 (2,200)
	Rear	kgf (lb)	907 (2,000)	907 (2,000)	916 (2,020)	916 (2,020)	916 (2,020)
	Total	kgf (lb)	1,778 (3,920)	1,778 (3,920)	1,837 (4,050)	1,837 (4,050)	1,837 (4,050)
Option	Power window		○	○	○	○	○
	Power door lock		○	○	○	○	○
	Cruise control		○	○	○	○	○
	ABS		○	○	○	○	○
	Air conditioner		○	○	○	○	○
	Cold W package		—	—	—	—	—
	Sun roof		—	—	—	○	○
	Dual airbag		○	○	○	○	○
	Side airbag		—	—	○	○	○
	Rear spoiler		○	○	○	○	○
	Seat in pure hide		—	—	—	—	○
	Front LSD		—	—	—	—	—
	Aluminum wheel	Gold color	—	—	—	—	—
Silver color		—	—	—	—	—	

Model			Turbo 2.0 L			Turbo 2.5 L	
			WRX			STi	
			4AT			6MT	
Curb weight (C.W.)	Front	kgf (lb)	851 (1,875)	857 (1,889)	858 (1,891)	866 (1,909)	866 (1,909)
	Rear	kgf (lb)	576 (1,270)	586 (1,292)	588 (1,297)	618 (1,363)	618 (1,363)
	Total	kgf (lb)	1,427 (3,145)	1,443 (3,181)	1,446 (3,188)	1,484 (3,272)	1,484 (3,272)
Gross axle weight (G.A.W.)	Front	kgf (lb)	998 (2,200)	998 (2,200)	998 (2,200)	1,030 (2,271)	1,030 (2,271)
	Rear	kgf (lb)	916 (2,020)	916 (2,020)	916 (2,020)	920 (2,028)	920 (2,028)
	Total	kgf (lb)	1,837 (4,050)	1,837 (4,050)	1,837 (4,050)	1,880 (4,145)	1,880 (4,145)
Option	Power window		○	○	○	○	○
	Power door lock		○	○	○	○	○
	Cruise control		○	○	○	○	○
	ABS		○	○	○	○	○
	Air conditioner		○	○	○	○	○
	Cold W package		—	—	—	—	—
	Sun roof		—	○	○	—	—
	Dual airbag		○	○	○	○	○
	Side airbag		○	○	○	○	○
	Rear spoiler		○	○	○	—	—
	Seat in pure hide		—	—	○	—	—
	Front LSD		—	—	—	○	○
	Aluminum wheel	Gold color	—	—	—	○	—
Silver color		—	—	—	—	○	

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Model			2.5 L		2.5 L	
			TS		OUTBACK	
			5MT	4AT	5MT	4AT
Curb weight (C.W.)	Front	kgf (lb)	778 (1,715)	801 (1,765)	783 (1,725)	805 (1,775)
	Rear	kgf (lb)	603 (1,330)	605 (1,335)	601 (1,325)	603 (1,330)
	Total	kgf (lb)	1,381 (3,045)	1,406 (3,100)	1,384 (3,050)	1,408 (3,105)
Gross axle weight (G.A.W.)	Front	kgf (lb)	939 (2,070)	939 (2,070)	939 (2,070)	939 (2,070)
	Rear	kgf (lb)	953 (2,100)	953 (2,100)	953 (2,100)	953 (2,100)
	Total	kgf (lb)	1,833 (4,040)	1,833 (4,040)	1,833 (4,040)	1,833 (4,040)
Option	Power window		○	○	○	○
	Power door lock		○	○	○	○
	Cruise control		○	○	○	○
	ABS		○	○	○	○
	Air conditioner		○	○	○	○
	Cold W package		—	—	—	—
	Sun roof		—	—	—	—
	Dual airbag		○	○	○	○
	Side airbag		—	—	—	—
	Rear spoiler		—	—	—	—
	Seat in pure hide		—	—	—	—
	Roof rail		○	○	○	○

Model			Turbo 2.0 L			
			WRX			
			5MT		4AT	
Curb weight (C.W.)	Front	kgf (lb)	826 (1,820)	832 (1,834)	833 (1,836)	851 (1,875)
	Rear	kgf (lb)	610 (1,345)	620 (1,367)	622 (1,372)	610 (1,345)
	Total	kgf (lb)	1,436 (3,165)	1,452 (3,201)	1,455 (3,208)	1,461 (3,220)
Gross axle weight (G.A.W.)	Front	kgf (lb)	998 (2,200)	998 (2,200)	998 (2,200)	998 (2,200)
	Rear	kgf (lb)	953 (2,100)	953 (2,100)	953 (2,100)	953 (2,100)
	Total	kgf (lb)	1,901 (4,190)	1,901 (4,190)	1,901 (4,190)	1,901 (4,190)
Option	Power window		○	○	○	○
	Power door lock		○	○	○	○
	Cruise control		○	○	○	○
	ABS		○	○	○	○
	Air conditioner		○	○	○	○
	Cold W package		—	—	—	—
	Sun roof		—	○	○	—
	Dual airbag		○	○	○	○
	Side airbag		○	○	○	○
	Rear spoiler		—	—	—	—
	Seat in pure hide		—	—	○	—
	Roof rail		○	○	○	○