

# 02-50 TECHNICAL DATA

## SUSPENSION TECHNICAL DATA. . . . 02-50-1

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A5U025001013W01

Item				Specification	
WHEEL ALIGNMENT					
Front wheel alignment (Unloaded)*1	Total toe-in		(mm {in})	3 ±4 {0.12 ± 0.16}	
			(degree)	0°18' ± 24'	
	Maximum steering angle		Inner	38° ± 3°	
			Outer	33° ± 3°	
	Steering axis inclination (reference value)			11°38'	
	Camber angle*2	Height from center of wheel to front fender brim  (mm {in})	327—336 {12.9—13.2}	-0°32' ± 1°	
			337—346 {13.3—13.6}	-0°12' ± 1°	
			347—356 {13.7—14.0}	0°06' ± 1°	
			357—366 {14.1—14.4}	0°23' ± 1°	
			367—376 {14.5—14.8}	0°38' ± 1°	
	Caster angle*2	Height from center of wheel to rear fender brim  (mm {in})	346—355 {13.7—13.9}	6°17' ± 1°	
			356—365 {14.0—14.3}	6°03' ± 1°	
366—375 {14.4—14.7}			5°48' ± 1°		
376—385 {14.9—15.1}			5°34' ± 1°		
386—395 {15.2—15.5}			5°20' ± 1°		
Rear wheel alignment (Unloaded)*1	Total toe-in		(mm {in})	3 ±4 {0.12 ± 0.16}	
			(degree)	0°18' ± 24'	
	Camber angle*2	Height from center of wheel to rear fender brim  (mm {in})	346—355 {13.7—13.9}	-1°14' ± 1°	
			356—365 {14.1—14.3}	-0°59' ± 1°	
			366—375 {14.5—14.7}	-0°47' ± 1°	
			376—385 {14.9—15.1}	-0°38' ± 1°	
			386—395 {15.2—15.5}	-0°32' ± 1°	
			Thrust angle	0° ± 48'	
WHEELS AND TIRES					
Standard tire wheel	Size		15×6JJ		16×6 1/2JJ
	Offset		(mm {in})	40 {1.57}	
	Pitch circle diameter		(mm {in})	100 {3.94}	
	Material		Aluminum alloy		
Standard tire	Size		195/50R15 82V		205/45R16 83W
	Air pressure		(kPa {kgf/cm <sup>2</sup> , psi})	180 {1.8, 26}	
	Remaining tread	Standard tire	1.6 {0.063} min.		
		Snow tire	50% of tread		
Standard tire wheel and tire	Lug nut tightening torque		(N·m {kgf·m, ft·lbf})	89—117 {9—12, 66—86}	
	Wheel and tire runout	Radial direction	1.5 {0.059} max.		
		Lateral direction	2.0 {0.078} max.		
	Wheel imbalance*3		(g {oz})	9 {0.32} max.	Outside: 13 {0.46} max. Inside: 8 {0.28} max.
Temporary spare tire wheel	Size		14×4T		15×4T
	Offset		(mm {in})	45 {1.77}	
	Pitch circle diameter		(mm {in})	100 {3.94}	
	Material		Steel		
Temporary spare tire	Size		T115/70D14		T105/70D15
	Air pressure		(kPa {kgf/cm <sup>2</sup> , psi})	420 {4.3, 61}	
FRONT SUSPENSION					
Exposed thread of shock absorber piston rod			(mm {in})	15.7—17.7 {0.62—0.69}	
Lower arm ball joint rotation torque (Pull scale reading)			(N {kgf, lbf})	3.5—19.1 {0.35—1.95, 0.78—4.29}	

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Upper arm ball joint rotation torque (Pull scale reading) (N {kgf, lbf})	3.0—22.5 {0.3—2.3, 0.7—5.0}
Stabilizer control link starting torque (N·m {kgf·cm, in·lbf})	0.2—2.7 {1.4—27, 1.3—23.4}
<b>REAR SUSPENSION</b>	
Exposed thread of shock absorber piston rod (mm {in})	15.7—17.7 {0.62—0.69}
Stabilizer control link starting torque (N·m {kgf·cm, in·lbf})	0.2—2.7 {1.4—27, 1.3—23.4}

- \*1 : Fuel tank full. Engine coolant and engine oil are at specified levels. Spare tire, jack and tools are in designated position.
- \*2 : Difference between left and right must not exceed **1°30'**.
- \*3 : One balance weight: max. **60 g {2.1 oz}**. If the total weight exceeds **100 g {3.5 oz}** on one side, rebalance after moving the tire around on the rim. Do not use more than two balance weights on the inner or outer side of the wheel.