

Civic X Torque Specs Si and Type R

Engine Electrical (L15B7: Si)

Location	Item	Torque
Starting system	Starter bolt (10 mm)	33 lb-ft
	Starter bolt (12 mm)	48 lb-ft
	Positive starter cable nut	6.6 lb-ft
Ignition system	Spark plugs	16 lb-ft
Charging system	Alternator bolts	18 lb-ft
	Positive alternator cable nut	9 lb-ft
	Drive belt auto-tensioner bolt (8 mm)	18 lb-ft
	Drive belt auto-tensioner bolt (10 mm)	41 lb-ft

Engine Electrical (K20C1: Type-R)

Location	Item	Torque
Starting system	Starter bolt (10 mm)	33 lb-ft
	Starter bolt (12 mm)	48 lb-ft
	Positive starter cable nut	6.6 lb-ft
Ignition system	Spark plugs	16 lb-ft
Charging system	Alternator bolts (8 mm)*1	18 lb-ft
	Alternator bolt (10 mm)*1	27 lb-ft
	Positive alternator cable nut	9 lb-ft
	Drive belt auto-tensioner bolt (8 mm)	18 lb-ft
	Drive belt auto-tensioner bolt (10 mm)	41 lb-ft

Engine Mechanical (L15B7: Si)

Location	Item	Remark	Torque	
Engine assembly	Side engine mount bolts (12 mm)	Use new bolts	36 lb-ft	
	Side engine mount bolts (14 mm)	Use new bolts	69 lb-ft	
	Side engine mount nut	Use new nut	69 lb-ft	
	Side engine mount bracket bolts	Use new bolts	40 lb-ft	
	Torque rod bolts *2	Use new bolts	69 lb-ft	
	Torque rod bracket bolts	Use new bolts	69 lb-ft	
	Transmission mount bolts	Use new bolts	55 lb-ft	
	Transmission mount bracket bolts	Use new bolts	58 lb-ft	
	Transmission mount bracket nuts	Use new nuts	58 lb-ft	
Engine lubrication	Oil pressure switch	Apply liquid gasket on threads	13 lb-ft	
	Oil pan drain bolt	Use new washer	30 lb-ft	
	Oil filter		9 lb-ft	
Intake manifold and exhaust system	Intake manifold bolts *1		18 lb-ft	
	Intake manifold nuts *1		18 lb-ft	
	Exhaust pipe A self-locking nuts	TWC side	Use new gasket and nuts	40 lb-ft
	Muffler self-locking nuts		Use new gasket and nuts	24 lb-ft
	Turbocharger self-locking nuts*2		Use new gasket and nuts	33 lb-ft
	Turbocharger bolts*2		Use new gasket	33 lb-ft

Engine Mechanical (K20C1: Type-R)

Location	Item	Remark	Torque
Engine assembly	Side engine mount bolts (12 mm)	Use new bolts	36 lb-ft
	Side engine mount bolts (14 mm)	Use new bolts	69 lb-ft
	Side engine mount nut	Use new nut	69 lb-ft
	Side engine mount bracket bolts	Use new bolts	40 lb-ft
	Torque rod bolts *2	Use new bolts	69 lb-ft
	Torque rod bracket bolts	Use new bolts	69 lb-ft

	Transmission mount bolts	Use new bolts	55 lb-ft	
	Transmission mount bracket bolts	Use new bolts	40 lb-ft	
	Transmission mount bracket nuts	Use new nuts	40 lb-ft	
Engine lubrication	Oil pan drain bolt	Use new washer	30 lb-ft	
	Oil filter		9 lb-ft	
Intake manifold and exhaust system	Intake manifold bolts *1		18 lb-ft	
	Intake manifold nuts *1		18 lb-ft	
	Exhaust pipe A self-locking nuts	TWC side	Use new gasket and nuts	40 lb-ft
	Muffler self-locking nuts		Use new gasket and nuts	24 lb-ft
	Turbocharger self-locking nuts*2		Use new gasket and nuts	33 lb-ft
	Turbocharger bolts*2	Use new gasket	33 lb-ft	

Engine Cooling (L15B7: Si)

Location	Item	Torque
Cooling system	Water passage bolts	18 lb-ft
	Water passage nuts	18 lb-ft
	Thermostat housing bolts	18 lb-ft
	Thermostat housing nuts	18 lb-ft

Engine Cooling (K20C1: Type-R)

Location	Item	Torque
Cooling system	Water passage bolts	33 lb-ft
	Water passage nuts	33 lb-ft
	Thermostat housing bolts	18 lb-ft
	Thermostat housing nuts	18 lb-ft

Fuel Emissions (L15B7: Si)

Location	Item	Remark	Torque	
Fuel and emissions	Accelerator pedal module		10 lb-ft	
	A/F sensor		33 lb-ft	
	ECT Sensor 1/2	Use new O-ring	9 lb-ft	
	Exhaust chamber cover		18 lb-ft	
	Fuel tank*2	Fuel tank bolts		17 lb-ft
		Support strap bolts		28 lb-ft
	Knock sensor		16 lb-ft	
	Secondary HO2S		33 lb-ft	
	Throttle body bolts*2	Use new gasket	9 lb-ft	
	Catalytic converter bracket bolts*2	Catalytic converter side		33 lb-ft
		Engine side		33 lb-ft
	Catalytic converter upper bolts	Use new gaskets and nuts	33 lb-ft	
Catalytic converter upper nuts	Use New gaskets and nuts	33 lb-ft		

Fuel Emissions (K20C1: Type-R)

Location	Item	Remark	Torque	
Fuel and emissions	Accelerator pedal module		10 lb-ft	
	A/F sensor		33 lb-ft	
	ECT Sensor 1/2	Use new O-ring	9 lb-ft	
	Exhaust chamber cover		16 lb-ft	
	Fuel tank*2	Fuel tank bolts		18 lb-ft
		Support strap bolts		28 lb-ft
	Knock sensor		15 lb-ft	
	Rocker arm oil pressure switch	Use new O-ring	16 lb-ft	
	Rocker arm oil pressure sensor	Use new O-ring	16 lb-ft	
	Secondary HO2S		33 lb-ft	

	Throttle body bolts*2		Use new gasket	16 lb-ft
	Catalytic converter bracket bolts*2	Catalytic converter side		33 lb-ft
		Engine side		33 lb-ft
	Catalytic converter upper bolts		Use new gaskets and nuts	33 lb-ft
	Catalytic converter upper nuts		Use new gaskets and nuts	33 lb-ft

Clutch

Location	Item	Torque	
Clutch	Clutch master cylinder push rod locknut	13 lb-ft	
	Clutch pedal position switch locknut	6.9 lb-ft	
	Clutch pedal adjusting bolt locknut	6.9 lb-ft	
	Master cylinder nuts	10 lb-ft	
	Slave cylinder bolts	16 lb-ft	
	Flywheel bolts*1	L15B7: Si	87 lb-ft
		K20C1: Type-R	91 lb-ft
	Pressure plate bolts*1	19 lb-ft	
Release fork bolt	21 lb-ft		

Manual Transmission and M/T Differential

Location	Item	Remark	Torque	
Manual transmission	MTF drain plug	Use new sealing washer	32 lb-ft	
	MTF filler plug	L15B7: Si	Use liquid gasket on threads	32 lb-ft
		K20C1: Type-R	Use new sealing washer	32 lb-ft
	Back-up light switch	Use liquid gasket on threads	21 lb-ft	
	Transmission assembly mounting bolts (transmission side)		47 lb-ft	
	Transmission assembly mounting bolts (engine side)		48 lb-ft	
	Change wire bracket bolts*2	L15B7: Si		20 lb-ft
	Change wire bracket bolts	K20C1: Type-R		20 lb-ft

Driveline/Axle

Location	Item	Remark	Torque	
Driveline/axle	Driveshaft spindle nut	L15B7: Si	<ul style="list-style-type: none"> ● Use oil on the seating surface ● Use new nut 	181 lb-ft
		K20C1: Type-R	<ul style="list-style-type: none"> ● Use oil on the seating surface ● Use new nut 	242 lb-ft
	Intermediate shaft dowel bolts			29 lb-ft
	Intermediate shaft flange bolt			29 lb-ft

Steering

Location	Item	Remark	Torque	
Steering	Steering wheel bolt	Use new bolt	36 lb-ft	
	Steering joint bolt		21 lb-ft	
	Steering column bolts*1		16 lb-ft	
	Steering column nuts*1		16 lb-ft	
	Steering gearbox bolt(s)*1	Right-front left-rear	Use new bolts	63 lb-ft
		Left-front, (lower side)	Use new bolt	77 lb-ft
		Right-rear, left-front (upper side)	Use new bolts	40 lb-ft
	Steering gearbox stiffener bolts*1		Use new bolts	40 lb-ft
	Tie-rod end ball joint nuts	Si		40 lb-ft
	Tie-rod end ball joint castle nuts	Type-R		40—47 lb-ft
Tie-rod end locknuts			32 lb-ft	

Suspension (Si)

Location	Item	Remark	Torque
Front suspension	Wheel nuts		80 lb-ft
	Knuckle damper pinch bolts		58 lb-ft
	Lower arm ball joint castle nut (to knuckle)	Use new nut	58 – 65 lb-ft
	Lower arm nuts (to lower ball joint)*1	Use new nuts	47 lb-ft
	Lower arm bolt (front side)	Use new bolt	89 lb-ft
	Lower arm bolts (rear side)	Use new bolts	69 lb-ft
	Stabilizer bar bushing holders flange bolts*1	Use new bolts	55 lb-ft
	Stabilizer link flange nut (to damper)	Use new nut	47 lb-ft
	Stabilizer link flange nut (to stabilizer bar)	Use new nut	47 lb-ft
	Damper nuts (to body)	Use new nuts	55 lb-ft
	Damper self-locking nut	Use new nut	48 lb-ft
Rear suspension	Wheel nuts		80 lb-ft
	Upper arm bolt (to subframe)	Use new bolt	56 lb-ft
	Upper arm bolt/nut (to knuckle)	Use new bolt/nut	56 lb-ft
	Lower arm A bolt/nut (to knuckle)	Use new bolt/nut	56 lb-ft
	Lower arm A bolt (to subframe)	Use new bolt	56 lb-ft
	Lower arm B bolt (to knuckle)	Use new bolt	51 lb-ft
	Lower arm B bolt/nut (to subframe)	Use new bolt/nut	69 lb-ft
	Trailing arm bolts/nuts (to knuckle)	Use new bolts/nuts	87 lb-ft
	Trailing arm bolts (to body)	Use new bolts	87 lb-ft
	Stabilizer bar bushing holders flange bolts	Use new bolts	27 lb-ft
	Stabilizer link flange nut (to stabilizer bar)	Use new nut	55 lb-ft
	Stabilizer link (to lower arm B)	Use new bolt	30 lb-ft
	Damper bolt (to knuckle)	Use new bolt	60 lb-ft
	Damper bolts (to body)	Use new bolts	30 lb-ft
	Damper self-locking nut	Use new nut	22 lb-ft

Suspension (Type-R)

Location	Item	Remark	Torque
Front suspension	Wheel nuts		94 lb-ft
	Damper fork bolts*1	Use new bolt	47 lb-ft
	Housing bracket ball joint castle nut	Use new nut	76 – 83 lb-ft
	Housing bracket bolt (to damper fork upper)*1	Use new bolt	90 lb-ft
	Housing bracket bolt (to damper fork lower)*1	Use new bolt	44 lb-ft
	Housing bracket TORX bolt (to knuckle)*1	Use new bolt	61 lb-ft
	Lower arm bolt (front side)	Use new bolt	127 lb-ft
	Lower arm bolts (rear side)	Use new bolt	77 lb-ft
	Stabilizer bar bushing holders flange bolts*1	Use new bolts	55 lb-ft
	Stabilizer link flange nut (to damper)	Use new nut	47 lb-ft
	Stabilizer link flange nut (to stabilizer bar)	Use new nut	26 lb-ft
	Stopper link flange nuts	Use new nuts	52 lb-ft
	Damper nuts (to body)	Use new nuts	46 lb-ft
	Damper self-locking nut	Use new nut	44 lb-ft

Location	Item	Remark	Torque
Rear suspension	Wheel nuts		94 lb-ft
	Upper arm bolt (to subframe)	Use new bolt	56 lb-ft
	Upper arm bolt/nut (to knuckle)	Use new bolt/nut	56 lb-ft
	Lower arm A bolt/nut (to knuckle)	Use new bolt/nut	60 lb-ft
	Lower arm A bolt (to subframe)	Use new bolt	56 lb-ft
	Lower arm B bolt (to knuckle)	Use new bolt	51 lb-ft

	Lower arm B bolt/nut (to subframe)	Use new bolt/nut	85 lb-ft
	Trailing arm bolts/nuts (to knuckle)	Use new bolts/nuts	87 lb-ft
	Trailing arm bolts (to body)	Use new bolts	116 lb-ft
	Stabilizer bar bushing holders flange bolts	Use new bolts	27 lb-ft
	Stabilizer link flange nut (to stabilizer bar)	Use new nut	55 lb-ft
	Stabilizer link (to lower arm B)	Use new bolt	30 lb-ft
	Damper bolt (to knuckle)	Use new bolt	30 lb-ft
	Damper bolts (to body)	Use new bolts	30 lb-ft
	Damper self-locking nut	Use new nut	24 lb-ft

Brakes

Location	Item	Remark	Torque
Conventional brake	Front brake caliper bracket bolts	Si	80 lb-ft
		Type-R	103 lb-ft
	Front brake caliper bolts	Si	37 lb-ft
	Front brake hose banjo bolt	Si	Use new washers 26 lb-ft
	Rear brake caliper bracket bolts		80 lb-ft
	Rear brake caliper pin bolts		18 lb-ft
	Rear brake hose banjo bolt		Use new washers 26 lb-ft
	Master cylinder nuts (to brake booster)	Si	11 lb-ft
		Type-R	10 lb-ft
	Master cylinder brake line		16 lb-ft
	Brake booster/brake pedal nuts		9 lb-ft
Brake pedal support member bolts/nuts		16 lb-ft	
VSA	VSA modulator-control unit brake line (10 mm)		11 lb-ft
	VSA modulator-control unit brake line (12 mm)		16 lb-ft

Body

Location	Item	Remark	Torque	
Frame	Front subframe bolts	Use new bolts	76 lb-ft	
	Front subframe rear stay bolts	Use new bolts	67 lb-ft	
	Rear subframe bolts	Si	Use new bolts	55 lb-ft
		Type-R	Use new bolts	47 lb-ft
	Front brace bolts (10 mm)	Use new bolts	43 lb-ft	
Front brace bolts (12 mm)	Use new bolts	55 lb-ft		

Heating, Ventilation, and Air Conditioning

Location	Item	Remark	Torque
A/C compressor	A/C compressor bolts		16 lb-ft
	A/C compressor center bolt	Use new bolt	13 lb-ft
	A/C compressor relief valve	Use new O-ring	6.3 lb-ft
Discharge hose	A/C pressure sensor	Use new O-ring	8 lb-ft

Body Electrical

Location	Item	Torque
Wipers/washers	Windshield wiper arm nut	21 lb-ft
	Windshield wiper link nut	23 lb-ft
	Rear wiper arm nut	6.9 lb-ft