

CV Torque Specifications

Make/Model	Description	Torque	
ACURA			
INTEGRA 86-89	Spindle Nut	135 ft. lbs.	
	Lower Ball	29 ft. lbs.	
	Tie Rod End	32 ft. lbs.	
90-92	Spindle Nut	135 ft. lbs.	
	Lower Ball	40 ft. lbs.	
	Tie Rod End	32 ft. lbs.	
LEGEND	Spindle Nut	180 ft. lbs.	
	Lower Ball	70 ft. lbs.	
	Tie Rod End	32 ft. lbs.	
AMC			
EAGLE	Spindle Nut	180 ft. lbs.	
	Lower Ball	75 ft. lbs.	
	Fange Bolts	45 ft. lbs.	
AUDI			
80, 90	Hub Bolt (14mm)	88 ft. lbs. + 1/4 Turn	
	Hub Bolt (16mm)	147 ft. lbs. + 1/4 Turn	
	Lower Ball	48 ft. lbs.	
	Tie Rod End	22 ft. lbs.	
4000	Spindle Nut	167 ft. lbs.	
	Lower Ball		
	Pinch Bolt	36 ft. lbs.	
	Tie Rod End	22 ft. lbs.	
Flange Bolts		33 ft. lbs.	
100, 200, 5000	Spindle Nut	207 ft. lbs.	
	Tie Rod End	44 ft. lbs.	
	Flange Bolts	32 ft. lbs.	
QUATTRO	Spindle Nut	203 ft. lbs.	
	Tie Rod End	44 ft. lbs.	
	Flange Bolts	58 ft. lbs.	
V-8 QUATTRO	Spindle Nut	140 ft. lbs. + 1/4 Turn	
	Lower Ball		
	Pinch Bolt	48 ft. lbs.	
	Flange Bolts	58 ft. lbs.	
FOX to 74	Spindle Nut	145 ft. lbs.	
	Flange Bolts	32 ft. lbs.	
	75 Up	Spindle Nut	125 ft. lbs.
		Flange Bolts	32 ft. lbs.

Make/Model	Description	Torque
CHRYSLER/DODGE/PLYMOUTH (Domestic)		
ALL	Spindle Nut	180 ft. lbs.
	Pinch Bolt	70 ft. lbs.
CHRYSLER (Imports)		
COLT	Spindle Nut	144-188 ft. lbs.
	Ball	43-52 ft. lbs.
	Tie Rod End	11-25 ft. lbs.
COLT VISTA	Spindle Nut	145-188 ft. lbs.
SUMMIT WAGON (Fr.)	Ball	43-52 ft. lbs.
	Tie Rod End	17-25 ft. lbs.
SUMMIT WATON (Rr.)	Spindle Nut	116-159 ft. lbs.
DAIHATSU		
CHARADE	Spindle Nut	130-160 ft. lbs.
	Strut Attaching Bolts	65-94 ft. lbs.
	Tie Rod End	22-33 ft. lbs.
ROCKY	Spindle Nut	130-160 ft. lbs.
	Flange Bolts	43-58 ft. lbs.
	Lower Ball	65-87 ft. lbs.
	Tie Rod End	51-101 ft. lbs.
EAGLE		
MEDALLION	Spindle Nut	185 ft. lbs.
PREMIER	Spindle Nut	181 ft. lbs.
	Strut to Knuckle Bolts	123 ft. lbs.
SUMMIT	Spindle Nut	144-188 ft. lbs.
	Ball	43-52 ft. lbs.
	Tie Rod End	11-25 ft. lbs.
SUMMIT WAGON	Spindle Nut	145-188 ft. lbs.
	Ball	43-52 ft. lbs.
	Tie Rod End	17-25 ft. lbs.
FIAT		
X1/9, 128	Spindle Nut	100 ft. lbs.
STRADA	Spindle Nut	160 ft. lbs.
FORD/MERCURY		
ESCORT, TEMPO	Spindle Nut	180-200 ft. lbs.
LYNX, TOPAZ	Strut to Knuckle Bolts	66-81 ft. lbs.
	Lower Ball	
	Pinch Bolt	38-45- ft. lbs.
	Tie Rod End	22-33 ft. lbs.

Make/Model	Description	Torque
FORD/MERCURY - cont'd		
FESTIVA	Spindle Nut	117-174 ft. lbs.
	Lower Ball	
	Pinch Bolt	32-40 ft. lbs.
Tie Rod End		22-33 ft. lbs.
PROBE	Spindle Nut	116-174 ft. lbs.
	Strut to Knuckle Bolts	69-86 ft. lbs.
	Lower Ball	
	Pinch Bolt	32-40 ft. lbs.
Tie Rod End		22-33 ft. lbs.
TRACER 87-89	Spindle Nut	116-174 ft. lbs.
	Strut to Knuckle Bolts	69-72 ft. lbs.
	Lower Ball	
	Pinch Bolt	32-40 ft. lbs.
Tie Rod End		22-33 ft. lbs.
90-92	Spindle Nut	180-220 ft. lbs.
	Strut to Knuckle Bolts	66-81 ft. lbs.
	Lower Ball	
	Pinch Bolt	38-45 ft. lbs.
GENERAL MOTORS (Domestic)		
A, X BODY	Spindle Nut	192 ft. lbs.
	Strut to Knuckle Bolts	140 ft. lbs.
	Lower Ball	
	Pinch Bolt	33 ft. lbs.
Tie Rod End		28 ft. lbs.
J, N, BODY	Spindle Nut	185 ft. lbs.
	Strut to Knuckle Bolts	133 ft. lbs.
	Lower Ball	
	Pinch Bolt	45 ft. lbs.
Tie Rod End		28 ft. lbs.
L BODY	Spindle Nut	191 ft. lbs.
	Strut to Knuckle Bolts	129 ft. lbs.
	Lower Ball	
	Pinch Bolt	55 ft. lbs.
Tie Rod End		44 ft. lbs.
C, H BODY	Spindle Nut	180 ft. lbs.
	Strut to Knuckle Bolts	144 ft. lbs.
	Lower Ball	
	to Knuckle	88 ft. lbs. + 3/4 Turn
	Tie Rod End	35 ft. lbs.

CAUTION: Always tighten the spindle nuts with the vehicle on the ground. Always use a torque wrench, never an air impact gun. Always refer to the OE manufacturer's service manual for more specific installation procedures and torque specifications.

CV Torque Specifications (cont'd)

Make/Model Description Torque

GENERAL MOTORS (Domestic) - cont'd

W BODY	Spindle Nut	184 ft. lbs.
	Lower Ball	15 ft. lbs. + 1/4 Turn
	Tie Rod End	50 ft. lbs.

E BODY	67-78 Spindle Nut	175 ft. lbs.
	Lower Ball	95 ft. lbs.
	Tie Rod End	40 ft. lbs.
	79-84 Tie Rod End	35 ft. lbs.
	79 Lower Ball	95 ft. lbs.
80 Lower Ball	90 ft. lbs.	
81-82 Lower Ball	95 ft. lbs.	
83-84 Lower Ball	90 ft. lbs.	

E, K BODY	85 Spindle Nut	175 ft. lbs.
	Lower Ball	83 ft. lbs.
	Tie Rod End	30 ft. lbs.
86-90	Spindle Nut	180 ft. lbs.
	Lower Ball	*
	Tie Rod End	7.5 ft. lbs. + 1/2 Turn

GENERAL MOTORS (Imports)

LEMANS	Spindle Nut	**
	Ball Joint	50 ft. lbs.
	Tie Rod End	45 ft. lbs.

NOVA, PRIZM	Spindle Nut	137 ft. lbs.
	Strut to Knuckle Bolts	105 ft. lbs.
	(Exc. 16 v)	
	Strut to Knuckle Bolts (16 v)	166 ft. lbs.

Make/Model Description Torque

GENERAL MOTORS (Imports) - cont'd

SPECTRUM	Spindle Nut	137 ft. lbs.
	Lower Ball Joint, Pinch Bolt	51 ft. lbs.
	Strut to Knuckle Bolts	87 ft. lbs.
	Tie Rod End	29 ft. lbs.

SPRINT	Spindle Nut	109-195 ft. lbs.
	Ball Joint	37-51 ft. lbs.
	Tie Rod End	22-40 ft. lbs.

METRO	Spindle Nut	129 ft. lbs.
	Lower Ball Joint	44 ft. lbs.
	Tie Rod End	32 ft. lbs.

HONDA

CIVIC	72-87 Spindle Nut	134 ft. lbs.
	Lower Ball Joint	32 ft. lbs.
	Tie Rod End	32 ft. lbs.
88-91	Spindle Nut	134 ft. lbs.
	Lower Ball Joint	40 ft. lbs.
	Tie Rod End	32 ft. lbs.

ACCORD	76-86 Spindle Nut	134 ft. lbs.
	Lower Ball Joint	32 ft. lbs.
	Tie Rod End	32 ft. lbs.
87-89	Spindle Nut	134 ft. lbs.
	Lower Ball Joint	40 ft. lbs.
	Tie Rod End	32 ft. lbs.
90-92	Spindle Nut	180 ft. lbs.
	Lower Ball Joint	40 ft. lbs.
	Tie Rod End	32 ft. lbs.

Make/Model Description Torque

HONDA - cont'd

PRELUDE	79-86 Spindle Nut	134 ft. lbs.
	Lower Ball Joint	32 ft. lbs.
	Tie Rod End	32 ft. lbs.
87-89	Spindle Nut	134 ft. lbs.
	Lower Ball Joint	40 ft. lbs.
	Tie Rod End	32 ft. lbs.
90-92	Spindle Nut	180 ft. lbs.
	Lower Ball Joint	40 ft. lbs.
	Tie Rod End	32 ft. lbs.

HYUNDAI

EXCEL, SCOUPE	Spindle Nut	145-188 ft. lbs.
	Strut to Knuckle Bolt	65-76 ft. lbs.
	Lower Ball Joint	43-52 ft. lbs.
	Tie Rod End	11-25 ft. lbs.

SONATA	Spindle Nut	145-188 ft. lbs.
	Strut to Knuckle Bolt	65-76 ft. lbs.
	Lower Ball Joint	43-52 ft. lbs.
	Tie Rod End	11-25 ft. lbs.

* On Reatta, Riviera, Toronado, and Trofeo torque ball to 37 ft. lbs. On Eldorado & Seville torque ball to 48 ft. lbs.

** With weight of vehicle on ground torque to 74 ft. lbs., back off nut & re-torque to 15 ft. lbs. + 1/4 turn.

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