

C3 Corvette chassis torque settings

Ft-lbs Size

Brakes:

Caliper Mounting Bolt - Front	70	5/8
Caliper Mounting Bolt - Rear	70	5/8
Caliper Housing Bolts - Front	130	13/16
Caliper Housing Bolts - Rear	60	5/8

Rear Suspension:

T-Arm Front Toe-In Shims	50+*	5/8 & 11/16 nut
Spring Retainer To Rear End spring)	70	13/16 bolt (de arch
U-Joint (inner) U-Bolts	15	9/16 nut
U-Joint (inner) Caps	30	9/16 bolt
U-Joint (outer) Flange Bolts	75	5/8 (use locks)
Strut Rod (Inner) Camber Bolt	70*	3/4 nut
Strut Rod (outer) Shock Mount	75+*	15/16 nut
Shock Absorber (upper) Bolt	60	5/8 & 11/16 nut
Shock Absorber (lower) Nut	40	3/4
Bearing Housing to T-Arm	30	9/16 nut
Spindle Nut	100+.	11/16

Warning: If the assembly was not properly set-up, tightening the spindle nut will load the bearings and cause imminent bearing failure.

Wheels:

Rally Wheels (steel)	75	3/4
Optional Wheels (aluminum)	80*	3/4 (re-torque at 100 mi.)

Front Suspension:

Upper A-Frame Bushing Bolt	35*	9/16
Upper A-Frame Align, Shim Nut	50	11/16
Lower A-Frame Fr. Mtg. Bolts	70	5/8
Lower A-Frame Rear Mounting	100	7/8 & 13/16 nut
Steering Arm to Spindle	70	3/4 Nuts (63-68, 11/16)
Ball Joint (upper)	45+	3/4 nut
Ball Joint (lower)	75+	7/8 nut
Ball Joint (replacement bolts)	25	1/2

Carrier:

Front Brackets to Frame	65	5/8 & 11/16 nut
Front Brackets to Housing	50+	5/8 & 11/16 nut
Strut Rod Bracket Bolts	35	9/16 (use locktite)
Rear Cover Bolts	50	5/8
Filler Plug	20	

+ plus additional torque when necessary to align cotter pin hole

* tighten bushings only when arms are at riding height

Source: VanSteel parts catalogue downloadable from <http://www.vansteel.com/>
4th August 08