



DE LOREAN MOTOR COMPANY

# SERVICE BULLETIN

NUMBER ST-09-7/81

**CATEGORY:** TECHNICAL

**ATTENTION:** ALL DMC DEALERS/SERVICE MANAGERS

**SUBJECT:** TORQUE SPECIFICATION

Attached to this bulletin is the listing of torque specifications for the indicated fasteners along with the fasteners thread size. These torque specifications should not be exceeded.

Please inform all personnel concerned.

Sincerely,

Lutz Feuerabendt  
Technical Service Manager

Attachment (s)

ISSUED 7-27-81

## 1981 De Lorean Torque Specifications

IMPORTANT NOTE: TORQUE SPECIFICATIONS SHOULD NOT BE EXCEEDED.

<u>DESCRIPTION</u>	<u>THREAD SIZE</u>	<u>NM</u>	<u>FT. LB.</u>
<u>CHASSIS:</u>			
Fuel tank cover plate	M8 x 13	22	16
Fuel tank front	M6 x 10	11	8
Horn bracket attachment	M6 x 10	11	8
Radiator mounting bracket to frame	M8 x 13	22	16
Horn to bracket	M6 x 10	11	8
Radiator stay bracket to frame	M6 x 10	11	8
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<u>REAR SUSPENSION:</u>			
Trailing arm bush attachment	M8 x 13	22	16
Lower link both ends	1/2" x 19	80	60
Upper link both ends	1/2" x 19	80	60
Trailing arm hub to carrier	M12 x 19	75	55
Outer drive shaft to hub	M22 x 32	370	270
Trailing arm to pivot bush	M12 x 19	75	55
Shaft to inner and outer drive shafts	M10 x 17	40	30
Parking brake cable bracket to hub carrier	M6 x 10	7	5.5
Caliper - hub carrier	7/16" x 16	55	40
Flex brake pipe attachment	3/8" x 15	16	12
Wheels	M12 x 19	80	60

<u>DESCRIPTION</u>	<u>THREAD SIZE</u>	<u>NM</u>	<u>FT. LB.</u>
<u>TRANSMISSION AND FINAL DRIVE:</u>			
Drain and fill plugs	M10 x 17	20	15
Mounts	<u>M8 x 13</u>	<u>25</u>	<u>18</u>
	M10 x 17	36	26
<u>TRANSMISSION SHIFT LINKAGE:</u>			
Auto and manual relay pivot bolts	M8 x 17	22	16
<u>FRONT SUSPENSION:</u>			
Caliper to mounting bracket	7/16" x 19	75	55
Dust shield	M8 x 13	28	20
Front disc to hub (w/Loctite 601)	M8 x 13	28	20
Stub axle to steering knuckle	M22 x 32	220	165
Hub bearing to stub shaft	M22 x 32	190	145
Upper control arm pivot bolt	1/2" x 19	80	60
Lower control arm pivot bolt	1/2" x 19	80	60
Shock absorber (upper)	3/8" x 14	28	20
Shock absorber (lower)	1/2" x 19	80	60
Stabilizer bar - lower control arm	M12 x 19	75	55
Stabilizer bar pivot (on chassis)	M10 x 17	36	26
Flex brake pipe attachment	M10 x 15	16	12
Upper ball joint to steering knuckle	7/16" x 16	60	45
Lower ball joint to steering knuckle	1/2" x 19	60	45

<u>DESCRIPTION</u>	<u>THREAD SIZE</u>	<u>NM</u>	<u>FT. LB.</u>
<u>ENGINE:</u>			
Engine Mounts	M8 x 13	25	18
A/C compressor bracket to engine	M7 x 13	16	12
Heat shields to exhaust crossover	M6 x 10	11	8
Exhaust crossover pipe to manifold	M10 x 17	40	30
'U' Bolt Catalyst to muffler	M8 x 13	15	11
Muffler support bracket on engine	<u>M8 x 13</u> M10 x 17	22 30	16 22
Muffler rubber mounts	M6 x 10	11	8
<u>BRAKE LINES:</u>			
"T" connections to frame	<u>M6 x 10</u> M8 x 13	11 22	8 16
Flex pipe to frame	M10 x 15	16	12
Line union through frame	M10 x 15	16	12
<u>RADIATOR:</u>			
Fan cowl to radiator	<u>M6 x 8</u> M6 x 10	7	5
<u>STEERING UNITS:</u>			
Lower column to universal joint to rack pinion and letter column	M8 x 13	22	16
Tie rod to steering knuckle	7/16" x 14	36	26
Tie rod lock nut	M12 x 19	65	48
Steering rack assembly to frame	M8 x 13	15	11