

ENGINE GENERAL

SECTION EG

EG

CONTENTS

SPECIFICATIONS	EG-2	TIGHTENING TORQUE OF	
ENGINE SERIAL NUMBER LOCATION ..	EG-2	STANDARD BOLT	EG-3

Specifications

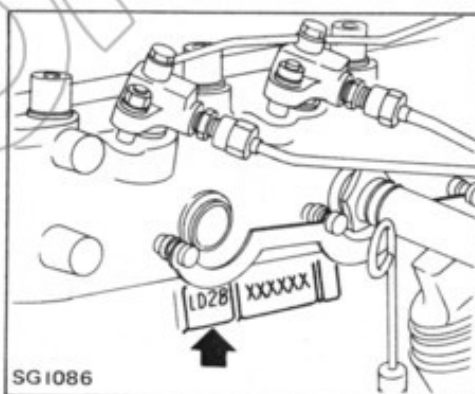
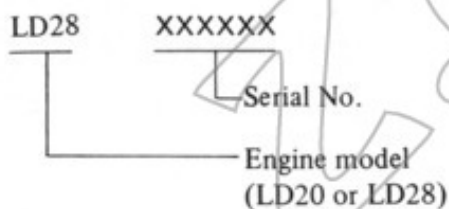
Engine Serial Number Location – ENGINE GENERAL

SPECIFICATIONS

Engine model		LD28	LD20
Cylinder arrangement		In-line	
Number of cylinders		6	4
Valve arrangement		O.H.C.	
Bore x stroke	mm (in)	84.5 x 83.0 (3.327 x 3.268)	85.0 x 86.0 (3.346 x 3.386)
Displacement	cm ³ (cu in)	2,792 (170.37)	1,952 (119.11)
Firing order		1-5-3-6-2-4	1-3-4-2
Number of piston rings	Compression	2	
	Oil	1	
Number of main bearings		7	5
Compression ratio		22.0	22.2
Cetane number of diesel fuel		More than 45	

ENGINE SERIAL NUMBER LOCATION

The engine number is stamped on the right side of the cylinder block.



TIGHTENING TORQUE OF STANDARD BOLT

Grade	Nominal size	Diameter mm	Pitch mm	Tightening torque		
				N·m	kg·m	ft·lb
4T	M6	6.0	1.0	3 - 4	0.3 - 0.4	2.2 - 2.9
	M8	8.0	1.25	8 - 11	0.8 - 1.1	5.8 - 8.0
			1.0	8 - 11	0.8 - 1.1	5.8 - 8.0
	M10	10.0	1.5	16 - 22	1.6 - 2.2	12 - 16
			1.25	16 - 22	1.6 - 2.2	12 - 16
			1.75	26 - 36	2.7 - 3.7	20 - 27
	M12	12.0	1.25	30 - 40	3.1 - 4.1	22 - 30
1.5			46 - 62	4.7 - 6.3	34 - 46	
7T	M6	6.0	1.0	6 - 7	0.6 - 0.7	4.3 - 5.1
	M8	8.0	1.25	14 - 18	1.4 - 1.8	10 - 13
			1.0	14 - 18	1.4 - 1.8	10 - 13
	M10	10.0	1.5	25 - 35	2.6 - 3.6	19 - 26
			1.25	26 - 36	2.7 - 3.7	20 - 27
	M12	12.0	1.75	45 - 61	4.6 - 6.2	33 - 45
			1.25	50 - 68	5.1 - 6.9	37 - 50
M14	14.0	1.5	76 - 103	7.7 - 10.5	56 - 76	
9T	M6	6.0	1.0	8 - 11	0.8 - 1.1	5.8 - 8.0
	M8	8.0	1.25	19 - 25	1.9 - 2.5	14 - 18
			1.0	20 - 27	2.0 - 2.8	14 - 20
	M10	10.0	1.5	36 - 50	3.7 - 5.1	27 - 37
			1.25	39 - 51	4.0 - 5.2	29 - 38
	M12	12.0	1.75	65 - 88	6.6 - 9.0	48 - 65
			1.25	72 - 97	7.3 - 9.9	53 - 72
M14	14.0	1.5	109 - 147	11.1 - 15.0	80 - 108	

1. Special parts are excluded.
2. This standard is applicable to bolts having the following marks embossed on the bolt head.

Grade	Mark
4T	4
7T	7
9T	9