



SUBARU ENGINE REPAIR SPECIFICATIONS

IMPORTANT NOTE ALWAYS REFER TO THE ENGINE MODELS SERVICE MANUAL FOR SPECIFIC SERVICE AND MAINTENANCE INFORMATION

CROMMELINSTM PRODUCTS



ENGINE SPECIFICATIONS

TIGHTENING TORQUE

SUBARU ENGINE MODEL	CYLINDER (INSIDE DIAMETER)	PISTON RING END GAP Unit: mm (in.)				CLEARANCE BETWEEN VALVE STEM & VALVE GUIDE			VALVE CLEARANCE IN. & EX WHEN COLD	IGNITION COIL AIR GAP	SPARK PLUG		CRANK CASE OIL CAPACITY Max.L (minL)
		TOP RING	SECOND RING	OIL RING	LIMIT FOR END GAP	INTAKE	EXHAUST	LIMIT			MODEL	GAP	
		EX13	58.000-58.019 (2.2835-2.2842)	0.2-0.4 (0.0078-0.0157)	0.2-0.4 (0.0078-0.0157)	0.2-0.4 (0.0078-0.0157)	1.5 (0.0591)	0.045-0.078 (0.0018-0.0031)			0.056-0.092 (0.0022-0.0036)	0.3 (0.0118)	

CYLINDER HEAD BOLTS			CONNECTING ROD CAP BOLTS		
kgf.cm	N.m	ft.lb	kgf.cm	N.m	ft.lb
M8 X 68 250-270 (New: 280-300)	M8 X 68 25-27 (New: 28-30)	M8 X 68 18.1-19.5 (New: 20.3-21.7)	130-150	13-15	9.4-10.8
M8 X 35 170-190	M8 X 35 17-19	M8 X 35 12.3-13.7	170-200	17-20	12.3-14.5
290-310 (New: 370-390) M8: 170-190	29-31 (New: 37-39) M8: 17-19	21.0-22.4 (New: 26.7-28.2) M8: 12.3-13.7	225-275	28-28	16.3-19.9

EH025	34.00-34.02 (1.3386-1.3394)	0.1-0.25 (0.0039-0.0098)	0.1-0.25 (0.0039-0.0098)	0.1-0.6 (0.0039-0.0236)	0.8 (0.0315)	0.015-0.050 (0.0006-0.0020)	0.040-0.075 (0.0016-0.0030)	0.2 (0.0079)	0.15 (0.0059)	0.3 (0.012)	NGK-CM6A	0.7-0.8 (0.028-0.032)	0.08L (0.03L)
EH035	39.000-39.020 (1.5354-1.5362)	0.1-0.25 (0.0039-0.0098)	0.1-0.25 (0.0039-0.0098)	0.1-0.6 (0.0039-0.0236)	0.8 (0.0315)	0.017-0.050 (0.0007-0.0020)	0.040-0.075 (0.0016-0.0030)	0.2 (0.0079)	0.15 (0.0059)	0.3 (0.012)	NGK-CM6A CMR6A	0.7-0.8 (0.028-0.032)	0.10L (0.04L)
EH09-2 (EH09)	51.000-51.019 (2.008-2.009)	0.15-0.35 (0.006-0.014)	0.35-0.55 (0.014-0.022)	0.05-0.25 (0.002-0.010)	1.5 (0.0591)	0.045-0.078 (0.0018-0.0031)	0.056-0.092 (0.0022-0.0036)	0.3 (0.0118)	0.06-0.10 (0.0024-0.0039)	0.3-0.5 (0.012-0.020)	NGK BMR4A (NGK BMR6A)	0.6-0.7 (0.024-0.028)	STD 0.38L (0.22L) RAMMER 0.3L (0.2L)

EH025	45-65 (Cylinder Block)	5-7 (Cylinder Block)	3.3-4.7 (Cylinder Block)	-	-	-	-	-	-	-	-	-	-
EH035	45-65 (Cylinder Block)	5-7 (Cylinder Block)	3.3-4.7 (Cylinder Block)	-	-	-	-	-	-	-	-	-	-
EH09-2 (EH09)	190-210	19-21	13.7-15.2	60-80	6-8	4.3-5.7	-	-	-	-	-	-	-

EY08	51-51.019 (2.0079-2.0086)	0.2-0.4 (0.0079-0.0157)	0.2-0.4 (0.0079-0.0157)	0.05-0.25 (0.0020-0.0098)	1.5 (0.0591)	0.020-0.050 (0.0008-0.0020)	0.056-0.092 (0.0022-0.0036)	0.3 (0.0118)	0.08-0.12 (0.0031-0.0047)	0.3-0.5 (0.012-0.020)	NGK BM4A	0.6-0.7 (0.024-0.028)	0.4L (0.25L)
EY15-3 (EY15)	63-63.019 (2.4803-2.4811)	0.2-0.4 (0.0079-0.0157)	0.2-0.4 (0.0079-0.0157)	0.1-0.3 (0.0039-0.0118)	1.5 (0.0590)	0.025-0.062 (0.0010-0.0024)	0.056-0.100 (0.0022-0.0039)	0.3 (0.0118)	0.08-0.12 (0.0031-0.0047)	0.3-0.5 (0.012-0.020)	NGK B6HS	0.6-0.7 (0.024-0.028)	0.6L (0.25L)

EY08	90-110	9-11	6.5-7.9	60-80	6-8	4.4-5.7	-	-	-	-	-	-	-
EY15-3 (EY15)	190-230	19-23	13.7-16.6	90-115	9-11	6.5-8.3	-	-	-	-	-	-	-

SUBARU ENGINE MODEL	CYLINDER (INSIDE DIAMETER)	PISTON RING END GAP Unit: mm (in.)				CLEARANCE BETWEEN VALVE STEM & VALVE GUIDE			VALVE CLEARANCE IN. & EX WHEN COLD	IGNITION COIL AIR GAP	SPARK PLUG		CRANK CASE OIL CAPACITY Max.L (minL)
		TOP RING	SECOND RING	OIL RING	LIMIT FOR END GAP	INTAKE	EXHAUST	LIMIT			MODEL	GAP	
DY23-2	70.000-70.019 (2.7559-2.7567)	0.15-0.35 (0.0059-0.0138)	0.35-0.55 (0.0138-0.0216)	0.1-0.3 (0.0039-0.0118)	1.0 (0.0394)	0.063-0.096 (0.0025-0.0038)	0.083-0.116 (0.0033-0.0046)	0.3 (0.0118)	0.12-0.16 (0.0047-0.0063)	195 kg/cm ² 2773 lb/in ²	18 kg/cm ² (400rpm) 256.0 lb/in ² (400rpm)	0.9L (0.5L)	

DY23-2	330-350	33-35	23.9-25.3	180-200	18-20	13.0-14.5	-	-	-	-	-	-
DY27-2	330-350	33-35	23.9-25.3	180-200	18-20	13.0-14.5	-	-	-	-	-	-

UPGRADE YOUR STEEL FRAME

- AUSTRALIAN MADE STEEL FRAMES
- CUSTOMISED TO YOUR SPECIFICATIONS
- HEAVY DUTY TUBULAR STEEL
- POWDER COATED



Crommelins can custom build any frame to protect your Generator, Drive Unit, Pressure Cleaner or Pump against accidental damage or misuse.



SPARE PARTS

Phone: 1300 554 524
 Freecall Fax: 1800 636 281
 spareparts@crommelins.com.au

SERVICE ENQUIRIES

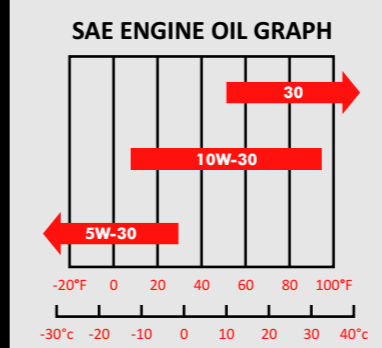
Phone: (08) 9350 5588
 Fax: (08) 9350 5763
 service@crommelins.com.au

SALES ENQUIRIES

East Coast: 1300 650 659
 WA Metro: (08) 9350 5588
 WA Regional: 1800 655 588
 sales@crommelins.com.au

- AWARD WINNING SPARE PARTS, BACKUP & SUPPORT
- AUSTRALIAN OWNED & RUN. ESTABLISHED 1958

RECOMMENDED OIL FOR SUBARU



Crommelins use SAE30 monograde oil in all their Petrol and Diesel Subaru industrial Powered Engines.

CROMMELINS PRODUCT PACK

All Crommelins manufactured products, powered by a Subaru engine are supplied with a Crommelins Hi-Viz Product Pack.

- The Pack Consists Of:
- 1L SAE30 Monograde Oil
 - Tools (if applicable)
 - Product Manual
 - Warranty Card
 - Safety Vest
 - A-Z Product Brochure

