

Frame tightening torque values

Description	Q.ty	Thread/Pitch	Torques (Nm)		Notes
			Monster 937	Monster 937 Plus	
ACCESSORIES					
Screw securing Rear-view mirror	1	M8x1.25	25.0		PRE-APPLIED THREADLOCKER
Rear-view mirror ret. screw	1	M8x1.25 - LH	25.0		PRE-APPLIED THREADLOCKER
STAND					
Side stand rotation pin fastener	1	M8x1.25	24.0		GREASE B + LOCK 2
Side stand rotation pin lock nut fastener	1	M8x1.25	24.0		LOCK 2
Side stand plate to crankcase fastener	1	M10x1.5	50.0 ±5%		PRE-APPLIED THREADLOCKER
Stand sensor fastener	1	M6x1	5.0		PRE-APPLIED THREADLOCKER
CHAIN/SPROCKET					
Sprocket fastener	1	M25x1.5	186.0 ±5%		GREASE B
Sprocket cover fastener	3	M6x1	6.0		PRE-APPLIED THREADLOCKER
LIGHTS					
Front subframe to steering head and bottom yoke fastener	2+2	M6x1	8.0		PRE-APPLIED THREADLOCKER
Headlight to U-bolt support fastener	2+2	M5x0.8	5.0		PRE-APPLIED THREADLOCKER
Headlight adjustment guide fastener	2	ST4	1.0		
Headlight spring fastener	1	M5x0.8	3.0		
Front wiring to front subframe retainer	1	M5x0.8	3.0		
Headlight trim to front subframe fastener	2	M5x0.8	3.0		
Tail light fastener	2	Self-tapping	1.8		
Front turn indicators to tank panel fastener	2+2	M5x0.8	3.0		
Rear turn indicator fastener	1+1	M5x0.8	3.0		LOCK 2
Front turn indicator upp. support to lower USA turn indicator support fastener	1+1	M5x0.8	3.0		
Front USA turn indicators to tank panel fastener	2+2	M5x0.8	3.0		

Description	Q.ty	Thread/Pitch	Torques (Nm)		Notes
			Monster 937	Monster 937 Plus	
ACCESSORIES					
Front USA turn indicator fastener	1+1	M5x0.8	3.0		LOCK 2
Headlight trim fastener	1	ST4	0.5		
INSTRUMENTS					
Dashboard support to instrument panel fastener	1	M5x0.8	5.0		
Instrument panel cover fastener	2	M5x0.8	5.0		
FRONT FORK					
Steering bearing fastener	1	M35x1	35.0 ±5%		GREASE B
Brake hose cable ring to bottom yoke fastener	1	M6x1	10.0		
Steering limit stop lock nut fastener	2	M8x1.25	18.0		LOCK 2
Steering head on steering shaft fastener	1	M8x1.25	18.0 ±5%		GREASE B
Steering head on fork fastener (RH+LH)	1+1	M8x1.25	24 ±5%		GREASE B
Bottom yoke on fork fastener (RH+LH)	2+2	M8x1.25	16.0 ±5%		GREASE B
Fork bottom end fastener (RH+LH)	2+2	M6x1	10.0 ±5%		
Handlebar lower U-bolt to steering head fastener	2	M10x1.25	45.0 ±5%		
ABS sensor cable ring to LH fork axle lug fastener	2	M6x1	10.0		LOCK 2
ABS sensor to LH fork axle lug fastener	1	M6x1	8.0		PRE-APPLIED THREADLOCKER
Dashboard support to steering head fastener	2	M6x1	10.0		LOCK 2
ELECTRICAL-ELECTRONIC SYSTEM					
BBS support bracket to electrical sys. upp. support fastener	2	ST5	2.0		
El. sys. upper support to central subframe crossbeam fastener	2	M6x1	10.0		
Screw securing RICHCO clamp base to el. sys. upper support	2	ST3.5	1.0		
El. sys. upper support to el. sys. lower support screw	5	ST3.5	0.85		
Battery bracket fastener	2	M5x0.8	2.0		
Battery cable to terminal fastener	2	M6x1	2.5		
Glove compartment to rear crossbeam subframe fastener	2	M5x0.8	3.0		
Glove compartment to front crossbeam fastener	2	M5x0.8	3.0		
Solenoid starter cable to starter motor fastener	1	M6x1	5.0		GREASE D

Description	Q.ty	Thread/Pitch	Torques (Nm)		Notes
			Monster 937	Monster 937 Plus	
ACCESSORIES					
Solenoid starter cable on solenoid starter fastener	2	M6x1	5.0		
Ground cable on engine fastener	1	M6x1	10.0		
Ignition switch to frame fastener	2	M6x1	SHEAR SCREW		PRE-APPLIED THREADLOCKER
Regulator support to frame fastener	2	M5x0.8	6.0		
Voltage rectifier to support fastener	2	M6x1	5.0		
ECU support to airbox upper shell retainer	2	ST5	2.0		
IMU to bracket retainer	2	M6x1	6.0		
IMU support bracket to frame fastener	3	M5x0.8	6.0		
Horn to bracket fastener	1	M8x1.25	8.0		
Horn bracket to frame fastener	1	M5x0.8	5.0		PRE-APPLIED THREADLOCKER
MAP sensor bracket to frame fastener	2	M5x0.8	5.0		
El. sys. upper support to rear subframe crossbeam fastener	1	M6x1	6.0		
Hellermann cable ring to crankcase fastener	1	M5x0.8	2.0		
Wiring cover to generator casing fastener	2	M5x0.8	3.0		
Frame plugs retaining U-bolt fastener	1	M5x0.8	5.0		
FRONT BRAKE					
Front brake master cylinder to handlebar fastener	2	M6x1	10.0		
Front brake calliper fastener (RH+LH)	2+2	M10x1.25	45.0 ±5%		GREASE B
Front brake calliper pre-tightening tool for settling (RH+LH)	2+2	M10x1.25	2.0		GREASE B
REAR SWINGING ARM					
Wedge to swingarm shaft fastener	1	M8x1.25	18.0 ±5%		GREASE B
Upper chain sliding shoe fastener	1	M5x0.8	5.0		PRE-APPLIED THREADLOCKER
Lower chain sliding shoe retainer	2	M5x0.8	5.0		PRE-APPLIED THREADLOCKER
Fastener securing cable guide to swinging arm	1	M6x1	10.0		
Chain tensioner slider adjuster retainer	2	M8x1.25	8.0		GREASE B

Description	Q.ty	Thread/Pitch	Torques (Nm)		Notes
			Monster 937	Monster 937 Plus	
ACCESSORIES					
Cable guide to brake calliper plate fastener	1	M6x1	10.0		
ABS sensor to brake calliper plate fastener	1	M6x1	8.0		PRE-APPLIED THREADLOCKER
Pre-retaining the chain tensioner sliding shoe adjuster screw	2	M8x1.25	2.0		
REAR BRAKE					
Screw retaining rear brake calliper to calliper holder plate	2	M8x1.25	25.0 ±5%		GREASE B
Screw securing rear brake master cylinder and fluid reservoir retaining plate to RH footpeg	2	M6x1	10.0		LOCK 2
Screw securing rear brake fluid reservoir to support	1	M6x1	2.0		PRE-APPLIED THREADLOCKER
ABS SYSTEM BRAKE					
ABS control unit on bracket fastener	2	M6x1	6.8 ±1		LOCK 2
ABS hose support to frame fastener	2	M5x0.8	5.0		
NUMBER PLATE HOLDER					
Number plate holder to subframe fastener	4	M6x1	10.0		
Upper guard to lower guard fastener	4	ST5	2.0		
Number plate holder plate to rear guard retainer	3	M6x1	5.0		
Reflector fastener	2	M4x0.7	2.0		
Number plate light fastener	2	M4x0.7	1.2		LOCK 1
Reinforcement bracket fastener	2	M5x0.8	6		
Reinforcement bracket fastener	2	M4x0.5	2.5		
HANDLEBAR / CLUTCH CONTROL					
Handlebar U-bolt locking screws	2+2	M8x1.25	25.0 ±5%		GREASE B
RBW throttle to handlebar fastener	2	M5x0.8	1.5		
Clutch actuator to engine fastener	3	M6x1	10.0		FLUOROCARBON 880
Clutch master cylinder to handlebar fastener	2	M6x1	10.0		
LH switch fastener	2	M5x0.8	2.0		
RH switch fastener	2	M4x0.7	1.5		
Counterweight to handlebar tube retainer	1+1	M6x1	10.0		

Description	Q.ty	Thread/Pitch	Torques (Nm)		Notes
			Monster 937	Monster 937 Plus	
ACCESSORIES					
Clutch hose bracket retainer	1	M6x1	10.0		
REAR SUSPENSION					
Shock absorber on swinging arm and vertical head fastener	2	M10x1.25	42.0 ±5%		GREASE B
FRONT MUDGUARD					
Front mudguard fastener (RH+LH)	2+2	M6x1	8.0		PRE-APPLIED THREADLOCKER
ABS line cable ring clamp	1	ST3.5	0.5		
WATER RADIATOR					
Radiator to frame upper retainer	2	M6x1	10.0		
Threaded pin to horizontal head fastener	1	M6x1	10.0		
Radiator connecting rod to engine lower fastener	1	M5x0.8	5.0		
Water hose fastener: radiator, thermostat and water pump	4		3.0		
Water hose fastener: thermostat and engine	3		3.0		
Expansion reservoir to ABS control unit support bracket fastener	2	M5x0.8	4.0		
ABS control unit support bracket to manifold fastener	2	M6x1	8.0		
ABS control unit supp. bracket to engine fastener	2	M6x1	1.0		
Wiring bracket to engine fastener	1	M6x1	8.0		
Fan fastener	4	M5x0.8	4.0		
Fan deflector fastener	2	Self-tapping	2.0		
V.H. breather pipe fastener	1		0.6		
FOOTPEGS AND LEVERS ON BRAKE SIDE					
Switch screw on rear brake lever fastener	1	M6x1	8.0		
Brake master cylinder control rod fastener	1	M6x1	5		
Rear brake rod spacer to counteract spring fastener	1	M6x1	10.0		LOCK 2
Brake lever pin on RH footpeg holder plate fastener	1	M8x1.25	24.0		PRE-APPLIED THREADLOCKER
LH footpeg holder plate to engine fastener	2	M10x1.5	36.0		
RH footpeg support to swingarm shaft upper fastener	1	M12x1.25	55.0 ±5%		GREASE B

Description	Q.ty	Thread/Pitch	Torques (Nm)		Notes
			Monster 937	Monster 937 Plus	
ACCESSORIES					
Stop sensor plate to footpeg holder plate fastener	1	M5x0.8	5.0		LOCK 2
FOOTPEGS AND LEVERS ON GEARBOX SIDE					
LH footpeg holder plate to engine fastener	1	M10x1.5	36.0		
LH footpeg holder plate to engine fastener	1	M10x1.5	36.0		
LH footpeg support to swingarm shaft upper fastener	1	M12x1.25	55.0 ±5%		GREASE B
DQS joint to con-rod fastener	1	M6x1	10.0		
Gearchange lever (connecting rod) to pawl fastener	1	M6x1	10.0		PRE-APPLIED THREADLOCKER
Gearchange lever pin on LH footpeg holder plate fastener	1	M8x1.25	24.0		PRE-APPLIED THREADLOCKER
DQS joint fastener	1	M6x1	5.0		LOCK 1
DQS to gear change pedal fastener	1	M6x1	10.0		
REAR MUDGUARD					
Front chain guard and splash guard fastener	1	M5x0.8	5.0		PRE-APPLIED THREADLOCKER
Chain guard fastener	1	M5x0.8	5.0		PRE-APPLIED THREADLOCKER
Rear mudguard fastener	2	M5x0.8	5.0		PRE-APPLIED THREADLOCKER
FRONT WHEEL					
Brake disc fastener (RH+LH)	5+5	M8x1.25	30.0 ±5%		PRE-APPLIED THREADLOCKER
Front wheel nut fastener	1	M25x1.25	63.0 ±5%		GREASE B
Angle valve fastener (PLANT DMT)	1	M8x1.25	9.0		LOCK 2
REAR WHEEL					
Rear sprocket fastener	5	M10x1	46+/-5%		LOCK 2
Brake disc fastener	6	M8x1.25	25+/-5%		PRE-APPLIED THREADLOCKER
Rear wheel shaft nut fastener	1	M25x1.25	145+/-5%		GREASE B-2
Pre-tightening of wheel shaft nut for chain tensioning	1	M25x1.25	20.0		
Pin on rear sprocket flange fastener	5	M14x1.5	46+/-5%		LOCK 5

Description	Q.ty	Thread/Pitch	Torques (Nm)		Notes
			Monster 937	Monster 937 Plus	
ACCESSORIES					
Angle valve fastener (PLANT DMT)	1	M8x1.25	9.0		LOCK 2
FUEL TANK					
GAC retainer	6	M5x0.8	5.0		GREASE B
Screw tank plug fastener (external)	3	M5x0.8	4.0		
Tank plug fastener (internal)	1	M5x0.8	4.0		
Tank to frame fastener (rear)	2	M6x1	10.0		GREASE B
Tank to frame fastener (front)	2	M6x1	10.0		
EXHAUST					
Exhaust pipe flange to hor./vert. head nut	3+3	M6x1	10.0		
Pre-silencer fastening clamp	2	M6x1	4.0		GREASE I
Lambda sensor fastener (HOR.+VER.)	1+1	M18x1.5	24.5		
RH-LH connecting rod to pre-silencer fastener	1+1	M6x1	10.0		
RH connecting rod to exhaust support bracket fastener	1	M6x1	10.0		
LH connecting rod to footpeg holder plate fastener	1	M6x1	10.0		
Silencer retaining clip	1	M6x1	10.5		GREASE I
Heat guard on silencer fastener	3	M5x0.8	5.0		
Screw securing Silencer to bracket	1	M8x1.25	20.0		
Heat protection support bracket to engine fastener (rear)	1	M6x1	10.0		
Heat protection support bracket to engine fastener (front)	1	M5x0.8	5.0		
Heat guard on exhaust pipe fastener (VER.)	3	M6x1	10.0		
SEAT					
Seat plate to seat fastener	2	M5x0.8	6.0		
Seat plate to frame fastener	1	M5x0.8	4.0		
Strap to rear frame fastener	2	M6x1	6.0		
FRAME					
Frame to H/V heads fastener	4	M12x1.25	90 ±5%		GREASE B
Screws retaining subframe to vertical head	2	M18x1.5	150 ±5%		GREASE B

Description	Q.ty	Thread/Pitch	Torques (Nm)		Notes
			Monster 937	Monster 937 Plus	
ACCESSORIES					
Subframe to engine fastener	1	M12x1.25	60 ±5%		GREASE B
Subframe jointing upper brackets fastener	4+4	M6x1	10 ±5%		
Subframe jointing lower bracket fastener	4	M6x1	10 ±5%		
Latch to rear subframe fastener	2	M6x1	5.0		
Seat lock to rear subframe ring nut	1	M22x1.5	4.0		
Wiring retaining bracket fastener	1+1	M6x1	5.0		
Rear subframes with rear crossbeam fastener	4	M6x1	10 ±5%		
Hellermann to frame fastener	1	M6x1	5.0		
OIL COOLER					
Pressure switch support to engine fastener	1	M6x1	10.0		
Pressure switch to remote oil pipe fastener	1	M10x1	24.0		
Pressure switch oil pipe to engine retainer	1	M14x1.5	32.0		
AIR INLET / OIL BREATHER					
Filter cover to Airbox upper shell fastener	6	ST5	2.0		
Duct to Airbox upper shell fastener	2	ST5	2.0		
Cable ring to Airbox upper shell fastener	1+1	ST5	2.0		
Temperature sensor to Airbox upper shell fastener	2	ST3	0.3		
Connector bracket to Airbox upper shell fastener	2	ST5	2.0		
Upper shell to Airbox lower shell fastener	12	ST5	2.25		
Blow-by hose clips on blow-by valve fastener	1	1.5		
Upper belt guard fastener	5	M6x1	10.0		Pre-applied threadlocker
FUEL SUPPLY SYSTEM					
Injector cap to throttle body fastener	2	M5x0.8	5.0		
Intake funnel to throttle body fastener	2+2	M5x0.8	5.0		PRE-APPLIED THREADLOCKER
Throttle body to airbox lower shell fastener	4+4	M6x1	8.0		
Throttle body to intake manifold retainer	2	2.5		

Description	Q.ty	Thread/Pitch	Torques (Nm)		Notes
			Monster 937	Monster 937 Plus	
ACCESSORIES					
FAIRING ASS.					
Ignition switch cover fastener	2	M6x1	4.0		
RH/LH cover to tank fastener	3+3	M5x0.8	3.0		
RH/LH panel to tank fastener	2+2	M5x0.8	3.0		
RH-LH panel to RH-LH tank cover fastener	1+1	M5x0.8	3.0		
Rear subframe cover retainer	2+2	M5x0.8	2.0		
Rear subframe cover retainer	1+1	M5x0.8	2.0		
Tail guard cover to frame fastener	4	M5x0.8	2.0		
V.H. wiring support to engine fastener	3	M5x0.8	5.0		
Engine cylinder head LH protection to V.H. wiring support fastener	1	M5x0.8	3.0		
Engine cylinder head LH protection to engine fastener	1	M5x0.8	3.0		
Canister cover to frame fastener	2	M5x0.8	3.0		
Expansion reservoir cover to frame fastener	2	M5x0.8	3.0		
Expansion reservoir cover to ABS control unit support fastener	1	M5x0.8	3.0		
LH-RH frame heat protection fastener	2+2	ST4	1.0		
Frame plug retainer	2	M5x0.8	3.0		
Radiator cover fastener	1	M5x0.8	2.0		PRE-APPLIED THREADLOCKER
Clutch casing cover fastener	3	M5x0.8	3.0		
Seat plate to single-seater cover bottom fastener	2	M5x0.8		6.0	
Dashboard support to instrument panel fastener	2	M5x0.8		5.0	
Headlight fairing support bracket to Dashboard support fastener	4	M5x0.8		5.0	
Headlight fairing side body panels to headlight fairing support bracket fastener	2	M5x0.8		3.0	
PLEXIGLAS to headlight fairing retainer	2	M4x0.5		0.2	

*dynamic safety-critical point; tightening torque tolerance must be Nm \pm 5%.

Engine tightening torque values

Application	Length	Thread / pitch	Torque (Nm)			Notes
			Min	Nominal	Max	
GEAR SELECTOR CONTROL						
Gearbox pawl screw	25	M8x1.25	34	36	38	PRE-APPLIED THREADLOCKER
Selector drum cam retaining screw	20	M8x1.25	22	25	28	LOCK 2
Gearbox pawl screw	20	M6x1	15	16	17	PRE-APPLIED THREADLOCKER
GEARBOX / CLUTCH						
Clutch drum nut	-	M25x1.5	180	190	200	GREASE B
FCC wet clutch spring screw	40	M6x1	9	10	11	
TIMING SYSTEM						
Timing layshaft belt roller ring nut	-	M15x1	64	71	78	GREASE A
Camshaft gear nut	-	M14x1	50	55	60	GREASE B
FIXED and MOBILE tensioner retaining nut	-	M8x1.25	22	25	28	GREASE A
Stud bolt special screw securing vertical belt guard	18	M6x1	9	10	11	PRE-APPLIED THREADLOCKER
PLASTIC cover retaining screw	18	M6x1	9	10	11	PRE-APPLIED THREADLOCKER
PLASTIC cover filter support self-tapping screw	12	3.5	1.5	1.75	2	
IGNITION SYSTEM						
Spark plug	-	M10x1	11	12	13	
Screw securing rotor to flywheel	18–25–35	M6x1	11	13	15	PRE-APPLIED THREADLOCKER
Starter clutch flange retaining screw	16	M6x1	9	10	11	PRE-APPLIED THREADLOCKER (LOCK 5)
CON-RODS						
Flywheel retaining nut	-	M24x1	313	330	346	LOCK 5
Primary sprocket retaining ring nut	-	M22x1	171	190	209	GREASE B
Steel oil recess blanking plug - NITRIDED	-	M20x1	45	50	55	LOCK 5
Balancing plug	-	M12x1.25	26	28	30	PRE-APPLIED THREADLOCKER
Connecting rod bolt (Class 14.9)	-	M10x1	Apply GREASE C			GREASE C

Application	Length	Thread / pitch	Torque (Nm)			Notes
			Min	Nominal	Max	
			Tighten to 35 Nm			
			Snug torque to 20 Nm			
			Snug torque to 35 Nm			
			Tightening 105° +/-1°			
			Torque check 80±110 Nm			
Crankshaft dowel	8	M8x1.25	11	13	15	LOCK 5
Crankshaft drilled dowel	8	M8x1.25	11	13	15	LOCK 5
COVERS						
Wet clutch fluid filler cap	-	M20x2.5	4.5	5	5.5	
Water pump cover plug + washer	-	M10x1	13.5	15	16.5	
Clutch recess blanking plug + washer	-	M10x1	10	11	12	
Water pump bearing retaining screw + washer	16	M6x1	9	10	11	LOCK 2
Timing inspection cover screw	14	M6x1	4.5	5	5.5	
Generator stator retaining screw	-	M6x1	12.1	13.5	14.9	PRE-APPLIED THREADLOCKER LOCK 5
Sound-deadening panel retaining screw	10	M6x1	10	12	14	PRE-APPLIED THREADLOCKER
Generator cover, clutch and water pump cover closing screw (aluminium)	19-27-32	M6x1	1) First tightening to 3±3.5Nm 2) Final tightening with a rotation of 90° 3) Torque check 5±10Nm			
Rotary gear sensor retaining screw	16	M4x0.7	2	2.5	3	LOCK 2
CRANKCASE						
Oil mesh filter plug	-	M32x1.5	38	42	46	
Plastic oil mesh filter	-	M24x1.5	9	10	11	GREASE A
Oil intake service hole plug - steel/aluminium	-	M22x1.5	38	42	46	LOCK 5
Oil cartridge	-	M16x1.5	12	13	14	ENGINE OIL (on seal)
Nipple for oil cartridge	-	M16x1.5	38	42	46	LOCK 2
Stud bolt special screw for heat protection support	-	M16x1.5	27	30	33	
Clutch crankcase oil delivery channel plug (lobe pump)	-	M15x1	22	25	28	LOCK 5

Application	Length	Thread / pitch	Torque (Nm)			Notes
			Min	Nominal	Max	
Stud bolt special screw for heat protection support	-	M12x1.5	18	20	22	
Oil drain plug with magnet	-	M12x1.5	18	20	22	THREE BOND TB 1215 (on thread only)
Oil channel tapered dowel on clutch (delivery+ return to oil cooler)	8	M10x1	18	20	22	LOCK 5
Cylinder/head stud bolt	-	M10x1.5	28	30	32	LOCK 2
Casing jointing screw in cylinder area Central jointing screw + swinging arm connection area	75	M8x1.25	Apply GREASE B			GREASE B (On thread only)
			Preload torque	19	21	
			Tightening torque	25	28	
Gear stopper lever retaining screw	21.5	M8x1.25	16	18	20	LOCK 2
Gearbox pawl inertial retaining screw	15	M8x1.25	20	22	24	LOCK 2
Nut retaining oil adjustment screw to clutch	5	M8x1	10	11	12	
Blow-by valve retaining screw	16	M6x1	9	10	11	
Secondary bearing, chain side, stop screw	12	M6x1	9	10	11	LOCK 2
Primary bearing, clutch side, stop screw	12	M6x1	9	10	11	LOCK 2
Casing jointing screw in idle gear shaft area	75	M6x1	9	10	11	
Casing outer jointing screw	35	M6x1	9	10	11	
Selector drum bearing retaining screw	10	M6x1	9	10	11	PRE-APPLIED THREADLOCKER (LOCK 2)
Radial pick-up retaining screw	16	M6x1	9	10	11	
Oil squirter under piston retaining screw	10	M5x0.8	7	8	9	LOCK 2
Blow-by valve upper shell screw	14	M3x0.5	1	1.2	1.4	LOCK 5
ELECTRIC STARTER						
Starter motor inner retaining screw	18-20	M6x1	12.5	13.5	14.5	DRILLOC 218
Starter motor inner retaining screw	25	M6x1	12.5	13.5	14.5	DRILLOC 218
Starter motor rear retaining screw	30	M6x1	9	10	11	PRE-APPLIED THREADLOCKER
COOLING CIRCUIT						
Water circuit ties	-	-	2	2.5	3	
OIL PUMP						
By-pass pump plug	-	M15x1	15	17	19	LOCK 5

Application	Length	Thread / pitch	Torque (Nm)			Notes
			Min	Nominal	Max	
Oil lobe pump assembling screw	16-50	M6x1	9	10	11	
CYLINDER HEADS						
FIXED and MOBILE tensioner pin	-	M20x1	45	50	55	LOCK 2
Camshaft belt roller ring nut	-	M17x1	64	71	78	GREASE A
Temperature sensor on water union	-	M12x1.5	20	23	26	LOCK 4 (hold insert while tightening)
Rocker arm shaft blanking plug + washer	-	M12x1.25	14	15	16	PRE-APPLIED THREADLOCKER (LOCK 2)
Nut for head/cylinder stud bolt	-	M10x1.5	Apply GREASE C			AGIP GR FD33 (on thread and underhead)
			Snug torque to 20 Nm			
			Preload torque	40	42	
			Tightening torque	60	63	
Camshaft cap retaining screw	32	M8x1.25	Apply SHELL ULTRA 4			SHELL ULTRA 4
			Preload torque	10	11	
			Tightening torque	22.5	25	
Coil retaining screw	18	M6x1	9	10	11	PRE-APPLIED THREADLOCKER (LOCK 2)
Pulley flange retaining screws 10.9	12	M6x1	12.5	14	15.5	
Intake manifold retaining nut	-	M6x1	9	10	11	
Head cover retaining screw	-	M6x1	9	10	11	
Head cover retaining special screw M6-M5	-	M6x1	9	10	11	
Exhaust manifold stud bolt	-	M6x1	9	10	11	LOCK 5
Vacuumeter retaining screw + washer	8	M6x1	4	5	6	
Horizontal head air breather union + washer	-	M6x1	2	2.5	3	LOCK 2
MAP sensor special screw	-	M6x1	4	5	6	
Vertical head air breather screw + washer	8	M6x1	7	8	9	LOCK 2
Intake manifold retaining screw	16	M6x1	9	10	11	
Secondary air cover retaining screw	-	M5x0.8	5	6	7	
Stud bolt special screw securing water unions to head	16	M5x0.8	5	6	7	PRE-APPLIED THREADLOCKER

Application	Length	Thread / pitch	Torque (Nm)			Notes
			Min	Nominal	Max	
Screw securing water unions to head	16	M5x0.8	5	6	7	PRE-APPLIED THREADLOCKER
CANISTER						
Union for canister + washer	-	M6x1	4	5	6	