

Engine tightening torques

Application description	Thread length	Threading	Torque (Nm)			Note
			Nom.	Min.	Max.	
Head						
Idler pulley pin		M20x1	45	40	50	Pre-applied product
FIXED and MOBILE tensioner pin		M20x1	50	45	55	LOCK 2 or TB 1324
Camshaft pulley ring nut		M17x1	71	64	78	GREASE A
Rocker arm shaft blanking cap		M12x1.25	14	12	16	Pre-applied product
Water union temperature sensor		M12x1.5	23	20	26	LOCK 4: Lock insert when tightening
Cylinder/head stud bolt nut (snug torque)		M10x1.5	20			Apply GREASE C on nut underside and on stud bolt thread
Cylinder/head stud bolt nut (preload)		M10x1.5	40	38	42	
Cylinder/head stud bolt nut (tightening)		M10x1.5	60	57	63	
Cam cap retaining screw (preload)	32	M8x1.25	10	9	11	Apply oil SHELL ADVANCE ULTRA 4
Cam cap retaining screw (tightening)	32	M8x1.25	22,5	21	25	
Coil screw	18	M6x1	10	9	11	
Pulley flange retaining screw	12	M6x1	10	9	11	
Head cover retaining nut		M6x1	10	9	11	
Coil retaining nut		M6x1	10	9	11	
Intake manifold retaining nut		M6x1	10	9	11	
Head cover retaining screw		M6x1	10	9	11	
Secondary air cover retaining screw		M6x1	10	9	11	
Stud bolt for exhaust manifold	16	M6x1	10	9	11	LOCK 5
Screw for securing vacuum gauge to cylinder head	8	M6x1	5	4	6	LOCK 2 (or TB 1324) (Europe versions)
Union on head for canister		M6x1	5	4	6	LOCK 2 (or TB 1324) (California versions)
Horizontal head air breather union		M6x1	2,5	2	3	LOCK 2
Vertical head air breather blanking dowel	8	M6x1	10	9	11	LOCK 6

Intake manifold retaining screw	16	M6x1	10	9	11	
Water temperature sensor		M8x1.25	6	5	7	
Head unions on head retaining screw	16	M5x1	6	5	7	Pre-applied product
Crankcase						
Oil cartridge		M16x1.5	11	10	12	Oil SHELL ADVANCE ULTRA 4 on seal
Nipple for oil cartridge		M16x1.5	42	38	46	LOCK 2 (or TB 1324)
Oil intake duct cap		M16x1.5	24	21	27	LOCK 5
Oil cooler nipple		M14x1.5	32	29	35	LOCK 5
Oil drain plug with magnet		M12x1.5	20	18	22	TB1215
Clutch-side crankcase oil channel blanking cap	16	M10x1.5	15	13	17	LOCK 5
Taper cap		M10x1	20	18	22	LOCK 5
Neutral sensor		M10x1.25	10	9	11	
Oil pump screw adapter bush		M10x1				LOCK 5
Dowel for oil channel inside clutch-side crankcase	18	M10x1.5	15	13	17	LOCK 5
Roller bearing flange hole taper blanking plug	8	M10x1.5	22	20	24	LOCK 2 (or TB 1324)
Cylinder/head stud bolt		M10x1.5	30	28	32	LOCK 2 (or TB 1324)
Crankcase jointing screw at cylinder area (preload)	90	M8x1.25	19	17	21	GREASE B on thread
Crankcase jointing screw at cylinder area (tightening)	90	M8x1.25	25	22	28	
Central crankcase screw + swinging arm pivot (preload)	75	M8x1.25	19	17	21	GREASE B on thread
Central crankcase screw + swinging arm pivot (tightening)	75	M8x1.25	25	22	28	
Gear stopper retaining screw	21,5	M8x1.25	18	16	20	LOCK 2 (or TB 1324)
Special grub screw for roller bearing flange	14	M8x1.25	16	15	17	LOCK 2 (or TB 1324)
Blow-by valve retaining screw	16	M6x1	10	9	11	
Chain side secondary bearing retaining screw	12	M6x1	10	9	11	LOCK 2 (or TB 1324)
Clutch side primary bearing retaining screw	16	M6x1	10	9	11	LOCK 2 (or TB 1324)
Crankcase jointing screw at idle gear pin area	75	M6x1	10	9	11	

External crankcase jointing screw	35	M6x1	10	9	11	
Mesh filter cover screws TSPEI - TEF	16	M6x1	10	9	11	TB 1215
Radial pick-up retaining screw	18	M6x1	10	9	11	
Screw retaining upper shell of blow-by valve		M3	1,2	1	1,4	LOCK 5
Piston oil squirter screw	10	M5x0.8	8	7	9	LOCK 2 (or TB 1324)
Electric starter						
Inner starter motor retaining screw TCEI - TCEIF	18	M6x1	10	9	11	Pre-applied product
External starter motor retaining screw	25	M6x1	10	9	11	Pre-applied product
Rear starter motor retaining screw	30	M6x1	10	9	11	Pre-applied product
Idle gear pin retaining screw	70	M6x1	10	9	11	LOCK 2 (or TB 1324)
Connecting rods						
Flywheel nut		M24x1	330	313	346	LOCK 5
Steel/aluminium crankshaft plug		M20x1	15	13,5	16,5	LOCK 5
Balancing plug		M12x1.25	28	26	30	LOCK 5
Con-rod screw (Class 12.9)	4	M10x1				
1) Apply specified grease on the thread						GREASE B on thread
2) Tightening at 50 rpm				35		
3) Pause 2 seconds and undo by 360° at 30 rpm						
4) Pre-tighten at 30 rpm				20		
5) Pre-tighten at 10 rpm				35		
6) Tightening by 65° +/-1° at 14 rpm						
7) Torque check				70 ÷ 103		
Con-rod screw (Class 14.9)	4	M10x1				
1) Apply specified grease on the thread						GREASE B on thread
2) Tightening at 50 rpm				35		
3) Pause 2 seconds and undo by 360° at 30 rpm						
4) Pre-tighten at 30 rpm				20		
5) Pre-tighten at 10 rpm				35		
6) Tightening by 65° +/-1° at 14 rpm						

7) Torque check				70 ÷ 113		
Crankshaft grub screw	8	M8x1.25	13	11	15	LOCK 5
Crankshaft drilled grub screw	8	M8x1.25	13	11	15	LOCK 5
Gearchange mechanism						
Gearbox drum positioning screw		M16x1.5	30	27	33	
Gearbox pawl screw	25	M8x1.25	36	34	38	LOCK 2 (or TB 1324)
Pawl positioning nut		M6x1	10	9	11	
Gearbox pawl screw	20	M6x1	16	15	17	LOCK 2 (or TB 1324)
Timing system						
Timing transmission pulley ring nut		M15x1	71	64	78	GREASE A
Timing idle gear nut		M14x1	55	50	60	GREASE A
FIXED tensioner bearing stopper screw		M14x2	50	45	55	GREASE A
MOBILE tensioner retaining nut		M8x1.25	25	22	28	GREASE A
Carbon cover screw	18	M6x1	6	5,5	6,5	Pre-applied product
Plastic cover screw	18	M6x1	10	9	11	Pre-applied product
Carbon cover filter support screw	8	M4x0.7	1,75	1,5	2	
Self-tapping screw for cover filter	12	AF3.5	1,75	1,5	2	
Covers						
Water inlet union		M30x1.5	25	23	27	LOCK 5
Water delivery union		M22x1.5	25	23	27	LOCK 5
Wet clutch fluid filler cap		M20x1.5	5	4,5	5,5	
Pick-up inspection screw		M12x1	15	13	17	LOCK 2 (or TB 1324)
Water pump cover plug		M10x1	15	13,5	16,5	LOCK 5
Oil duct blanking cap		M10x1	15	13,5	16,5	LOCK 5
Water pump bearing stopper screw	16	M6x1	10	9	11	LOCK 2 (or TB 1324)
Timing inspection cover screw TSPEI	14	M6x1	5	4,5	5,5	
Water pump cover screw (through hole) TCEI	18	M6x1	10	9	11	LOCK 6
Water pump cover screw TCEI	18-25	M6x1	10	9	11	
Generator cover screw TCEIF	30-35	M6x1	13,5	12,5	14,5	
Generator stator retaining screw	30-40	M6x1	10	9	11	LOCK 2 (or TB 1324)
Clutch cover screw	30-80-90	M6x1	13,5	12,5	14,5	

Screw securing special clutch cover to stud bolt	30	M6x1	13,5	12,5	14,5	
Clutch cover cable grommet retaining screw	12	M6x1	10	9	11	
Generator cover to clutch rod plug retaining screw	12	M6x1	10	9	11	
Gearbox and clutch						
Wet clutch drum nut.		M25x1.5	190	180	200	GREASE B
Wet clutch spring screw	20	M5x0.8				
Ignition						
Spark plug		M10x1	12	11	13	
Rotor to flywheel retaining screw	25-35	M6x1	13	11	15	Pre-applied product
Oil pump						
By-pass pump cap		M15x1	17	15	19	LOCK 5
Oil pump screw	40	M8x1.25	26	23	29	
Oil pump assembly screw	25	M6x1	10	9	11	
Oil pump screw	25	M6x1	10	9	11	
Cylinders						
Water delivery union		M22x1.5	25	23	27	LOCK 5
Cooling circuit						
Water circuit clamps			2,5	2	3	

Frame tightening torques

Application description	Threading	Nm Tolerance ±10%	Note
Accessories			
Left rear-view mirror fastener	M10x1.25	40	
Right rear-view mirror fastener	M10x1.25-LH	40	
LH heated grip fastener	M4x0.7	2,8	
Fastener retaining RBW heated twistgrip to handlebar	M5x0.8	4,5±0,5	Sequence 1-(UP)-2-1
Fastener securing short retaining element to lower support (right+left) (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M6x1	10	
Fastener securing long retaining element to grab handle (right+left) (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M6x1	10	
Fastener retaining pannier support to compartment (front) (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M8x1.25	22	
Fastener retaining pannier support to compartment (rear) (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M8x1.25	22	
Side stand			
Side stand rotation pivot lock nut tightening	M10x1.25	24	
Side stand plate to crankcase fastener	M10x1.5	36	Preapplied threadlocker
Side stand sensor fastener	M6x1	5	Preapplied threadlocker
Side stand rotation pivot fastener	M10x1.25	35	GREASE A
Centre stand rotation pivot fastener (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M18x1.5	70	
Centre stand spring rotation pivot fastener (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M6x1	10	LOCK 2
Chain and sprocket			
Sprocket fastener	25x1.5	186*	GREASE B
Sprocket cover fastener	M6x1	6	
Lights and reflectors			
Fastener retaining headlight to headlight fairing frame	AF5	3	
Fastener retaining tail light to compartment	AF5	4	
Handlebar end hand guard fastener (right+left)	M6x1	10	
Fastener retaining hand guard clamp to handlebar (right+left)	M5x0.8	3	Sequence 2-(DOWN)-1-2

Fastener retaining hand guard to support (right+left)	M6x1	5	
Instruments			
Fastener retaining instrument panel to headlight fairing frame	M5x0.8	3	
Front fork			
Steering bearing fastener	M35x1	30*	GREASE B
Fastener retaining brake hose cable ring to bottom yoke fastener	M6x1	10	
Steering limit check nut fastener		18	LOCK 2 (to nut thread only)
Fastener retaining steering head to steering shaft		18*	GREASE B
Fastener retaining steering head to fork (right+left)	M6x1	10*	GREASE B (Sequence 1-2-1)
Fastener retaining bottom yoke to fork (right+left)		16*	GREASE B (Sequence 1-2-1)
MARZOCCHI fork bottom end fastener (right+left) (SP)	M6x1	10*	Sequence 1-2-1
Fastener retaining KAYABA fork bottom end (right+left) (HYPERMOTARD, HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M6x1	10*	GREASE B (Sequence 1-2-1)
Fastener retaining handlebar lower U-bolt to steering head		45*	
Fastener retaining headlight fairing support to steering head	M6x1	10	LOCK 2
Fastener retaining headlight fairing support to bottom yoke	M6x1	10	LOCK 2
Fastener retaining ABS sensor cable ring to fork bottom end	M6x1	10	
Electrical and electronic system			
Fastener retaining switches to handlebar (right+left)	M4x0.7	1,3	
Fastener retaining battery cable to terminal	M6x1	10	
Fastener retaining solenoid starter cable to starter motor	M6x1	5	GREASE D
Fastener retaining solenoid starter cable to solenoid starter	M6x1	5	
Fastener retaining earth cable to engine	M6x1	10	
Fastener retaining ABS sensor on wheels (front+rear)	M6x1	7	Preapplied threadlocker
Fastener retaining fuse support to solenoid starter and compartment	AF5	4	
Fastener retaining horn to headlight fairing	M6x1	8	
Fastener retaining voltage regulator to small support	M6x1	5	
Fastener retaining bracket to vertical head manifold.	M6x1	10	
Fastener retaining power outlet to frame (HYPERSTRADA WITH LOW SEAT)	M18x1	3,5	
Fastener retaining power outlet to piggyback support (HYPERSTRADA WITH LOW SEAT)	M18x1	3,5	

Braking system: ABS			
Fastener retaining brake hose unions (rear master cylinder + rear calliper)	M10x1	23	
Fastener retaining unions on ABS control unit	M10x1	23	
Fastener retaining brake hose union (front master cylinder)	M10x1	23	
Fastener retaining double eyelet union (front right master cylinder)	M10x1	23	
Fastener retaining single eyelet union (front left master cylinder)	M10x1	23	
Bleeder fastener (front right+left calliper)	M6x1	4	
Fastener retaining ABS control unit on bracket	M6x1	6,8±1	LOCK 2
Fastener retaining ABS control unit on bracket	M6x1	6,8±1	LOCK 2
Fastener retaining ABS control unit bracket to frame	M6x1	10	Preapplied threadlocker
Braking system: front brake			
Fastener retaining front brake master cylinder to handlebar	M6x1	10	Sequence 1-(UP)-2-1
Front brake calliper fastener (right+left)	M10x1.25	45*	GREASE B
Front brake calliper pre-tightening for setting (right+left)	M10x1.25	2	GREASE B
Braking system: rear brake			
Rear brake calliper fastener	M8x1.25	25*	GREASE B
Fastener retaining rear brake master cylinder to footpeg holder plate	M6x1	10	
Fastener retaining rear brake master cylinder to footpeg holder plate	M6x1	10	
Fastener retaining rear brake fluid reservoir to cable ring	M5x0.8	2	
Fastener retaining ABS hose cable ring to frame	M5x0.8	2	
Rear swinging arm			
Swinging arm shaft fastener	M8x1.25	18*	GREASE B
Calliper holder plate pin fastener	M12x1.25	33*	Preapplied threadlocker
Fastener retaining eccentric to swinging arm	M12x1.25	31*	GREASE B. Sequence 1-2-1
Fastener retaining speed sensor cable ring	M4x0.7	1	LOCK 2
Upper chain sliding fastener	M5x0.8	5	Preapplied threadlocker
Fastener retaining chain sliding shoe/lower hose clamp	M5x0.8	5	Preapplied threadlocker
Fastener retaining lower hose clamp protection to swinging arm	M5x0.8	5	Preapplied threadlocker
Fastener retaining Australia chain guard to chain sliding shoe (AUSTRALIA VERSION)	5	1,2	

Number plate holder			
Fastener retaining front number plate holder to compartment	M8x1.25	20	
Rear fastener retaining number plate holder to compartment	M8x1.25	20	
Fastener retaining rear turn indicators to rear guard	M5x0.8	3	LOCK 2
Fastener retaining upper to lower guard	M5x0.8	3,5	
Fastener retaining upper to lower guard	AF5	5	
Fastener retaining number plate holder to guard	M6x1	5	
Reflector fastener	M4x0.7	2	
Number plate light fastener (reed support)	AF4	2	
Fastener retaining rear number plate holder to compartment (AUSTRALIA VERSION)	M8x1.25	20	
Fastener retaining gravel guard to number plate holder (AUSTRALIA VERSION)	M6x1	3	
Fastener retaining number plate holder to rear guard (AUSTRALIA VERSION)	M6x1	5	
Handlebar - clutch control			
Fastener retaining handlebar upper U-bolt	M8x1.25	25*	GREASE B (sequence 1-2-3-4-3)
Fastener retaining RBW twistgrip to handlebar	M5x0.8	4,5±0,5	Sequence 1-(UP)-2-1
Fastener retaining clutch lever to handlebar	M6x1	8-9	
Fastener retaining clutch lever to lever body	M6x1	10-15	
Rear suspension			
Fastener retaining shock absorber to swinging arm and frame	M10x1.25	42*	GREASE B
Fastener retaining shock absorber preload adjuster (press) to frame (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M6x1	10	
Fastener retaining piggyback support and side body panel to compartment (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M5x0.8	5	
Piggyback support closure and fastener (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M5x0.8	3	
Front mudguard			
Fastener retaining front mudguard (right + left)	M6x1	8	Preapplied threadlocker
Rear suspension			
Fastener retaining front mudguard (right + left)	M6x1	8	Preapplied threadlocker
Fastener retaining front mudguard (right + left) (SP)	M6x1	8	
Fastener retaining front mudguard (right + left) (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M6x1	8	

Water radiator			
Fastener retaining radiator to frame	M6x1	10	
Fastener retaining radiator to engine	M5x0.8	5	
Fastener retaining threaded pin on horizontal head.	M6x1	10	
Fastener retaining fan to radiator (right+left)	M3x0.5	1,5	
Fastener retaining expansion reservoir supp. bracket to manifold	M6x1	10	
Fastener retaining expansion reservoir to bracket	M6x1	10	
Fastener retaining bushing to reservoir	M6x1	8	
Fastener retaining water hose clamps on engine and radiator		2,5	
Fastener retaining fairing supp. bracket to radiator (right+left)	M5x0.8	5	
Fastener retaining water hose clamp to engine horizontal head union		0,6	
Water hose tie fastener on thermostat		2	
Footpegs and levers: brake side			
Fastener retaining brake lever pin on right footpeg holder plate	M8x1.25	24	Preapplied threadlocker
Screw retaining switch on rear brake lever	M6x1	5	
Fastener retaining brake master cylinder control rod	M6x1	7,5	
Fastener retaining right footpeg holder plate to engine	M10X1.25	36	
Upper fastener retaining right footpeg support to swinging arm shaft	M12x1.25	55*	GRASE B
Stop light switch fastener	M8x1	5	
Fastener retaining rear brake rod spacer for spring contrast	M6x1	10	LOCK 2
Footpegs and levers: gearbox side			
Gearbox rod nut fastener	M6x1	8	LOCK 2
Fastener retaining left footpeg holder plate to engine	M10x1.5	36	
Fastener retaining left footpeg holder plate to engine	M10x1.25	36	
Upper fastener retaining left footpeg support to swinging arm shaft	M12X1.25	55*	GRASE B
Fastener retaining linkage and gearchange control lever rod junction	M6x1	10	
Fastener retaining gearchange lever to selector pawl	M6x1	10	LOCK 1
Fastener retaining gearbox lever pin on left footpeg holder plate	M8x1.25	24	Preapplied threadlocker
Rear mudguard			
Rear mudguard fastener (HYPERMOTARD, SP)	M5x0.8		Preapplied threadlocker
Rear mudguard fastener (HYPERSTRADA, HYPERSTRADA WITH			

LOW SEAT)	M5x0.8		Preapplied threadlocker
Front wheel			
Fastener retaining brake discs (right + left)	M8x1.25	30*	Preapplied threadlocker (for spare parts, LOCK 2)
Front wheel nut fastener	M25x1.25	63*	GREASE B
Valve fastener	M8x1.25	10	
Rear wheel			
Rear sprocket fastener	M10x1.25	48	GREASE B
Fastener retaining wheel shaft on rear sprocket side (left)	M33x1.5	156*	GREASE B
Fastener retaining wheel shaft on rim side (right)	M38x1.5	176*	GREASE B
Driving pin fastener	M6x1	11	LOCK 2
Brake disc screw	M8x1.5	25*	Preapplied threadlocker (for spare parts, LOCK 2)
Phonic wheel fastener	M5x0.8	5	Preapplied threadlocker
Valve tightening	M8x1.5	10	
Fuel tank			
GAC flange to fuel tank fastener	M5x0.8	5	
Fastener for plug union to tank	M5x0.8	5	
Fastener retaining GAC flange to tank with double thread screw	M5x0.8	5	
GAC flange cover fastener	M5x0.8	3	
Fastener retaining seat to tank	M5x0.8	2	
Fastener retaining tank to compartment	M8x1.25	10	Preapplied threadlocker; Hold on tank
Fastener retaining tank pads to frame (right+left)	M6x1	8	
Fastener retaining tank pads to frame (right)	M6x1	10	
Fastener retaining fuel hose grommet to tank	M5x0.8	5	
Exhaust			
Fastener retaining exhaust pipe flange to head (horizontal + vertical)	M6x1	10	
Fastener retaining CO2 plugs on exhaust pipes (horizontal + vertical)	G1/8" A	25	
Lambda sensor fastener (horizontal + vertical)	M12x1.25	18±1,5	
Fastener retaining exhaust valve pulley	M6x1	10	

Fastener retaining heat guard to horizontal exhaust	M6x1	8	Preapplied threadlocker
Fastener retaining heat guard on silencer	M6x1	8	
Fastener retaining bracket to silencer	M8x1.25	22	
Fastener retaining silencer to right footpeg holder plate	M8x1.25	22	
Fastener retaining central body / exhaust supporting bracket	M6x1	5	
Fastener retaining silencer clamp on exhaust valve	M10x1.5	25	Speed 300 rpm
Frame			
Fastener retaining frame to engine	M12x1.25	60*	GREASE B) on thread and underside)
Fastener retaining front subframe to subframe	M8x1.25	24*	
Fastener retaining rear subframe to frame	M8x1.25	24*	
Ignition switch cover blind retaining nuts	M6x1	7	
Fastener retaining ignition switch to frame	M6x1	>12	Preapplied threadlocker; Tighten down the screw head until it fails
Fastener retaining lock latch to compartment	M6x1	5	
Supp. tie on frame fastener	M4x0.7	2	LOCK 2
Fastener retaining rear cross bar and compartment to subframes	M8x1.25	18	
Fastener retaining subframe front cross bar	M8x1.25	18	
Fastener retaining upper cross bar to frame	M8x1.25	24	Preapplied threadlocker
Fastener retaining BBS supp. bracket to rear cross bar	M4x0.7	2	
Exhaust valve actuator fastener	M6x1	8	
Exhaust valve actuator fastener	M6x1	fully home	
Lubrication			
Fastener retaining pressure switch to remote oil hose	M10x1	24	GREASE B) on thread and underside)
Fastener retaining oil hose pressure switch to engine	M14x1.5	32	
Fastener retaining pressure switch support to engine (HYPERMOTARD, SP)	M6x1	10	
Fastener retaining pressure switch to engine with sump guard (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M6x1	10	LOCK 2
Air intake - oil breather			
Fastener retaining filter cover to filter box	AF5	2	
Air filter ring nut	M6x1	6	

Fastener retaining blow-by hose tie on valve and filter box		1,5	
Fastener retaining filter box drain hose ring on engine	M5x0.8	5	
Fastener retaining regulator rubber blocks to airbox	AF4	3	
Fastener retaining MAP Sensor support to filter box	M5x0.8	5	
Fuel system			
Fastener retaining throttle bodies to manifolds (FRONT+REAR)	M6x1	10*	
Fastener retaining injector caps to plastic manifold	M5x0.8	5	LOCK 2
Filter box ties		2,5	
Fastener retaining canister to bracket (USA/CAL)	M6x1	8	
Fastener retaining canister bracket to engine (USA/CAL)	M6x1	10	
Fairings			
Fastener retaining tail guard central cover to subframe (right+left) (HYPERMOTARD, SP)	M8x1.25	22	
Fastener retaining painted tail guard to subframe (right+left) (HYPERMOTARD, SP)	M5x0.8	5	
Fastener retaining painted tail guard to subframe (right+left) (HYPERMOTARD, SP)	AF5	3	
Fastener retaining fairing to bracket on radiator (right+left)	M5x0.8	5	
Fastener retaining central cover to tank plug	M5x0.8	3	
Fastener retaining central cover to tank (right+left)	M5x0.8	3	
Fastener retaining central and lateral cover to tank (right+left)	M5x0.8	4	
Fastener retaining radiator cover (right+left)	M5x0.8	3	
Fastener retaining instrument panel to headlight fairing frame (HYPERMOTARD, SP)	M5x0.8	5	
Fastener retaining silent block to headlight fairing frame	M6x1	5	
Fastener retaining headlight fairing support to silent blocks	M6x1	7	
Fastener retaining painted headlight trim to headlight fairing frame	M5x0.8	2	
Fastener retaining tank internal front panel (right + left)	M5x0.8	2	
Underseat side body panel fastener (HYPERMOTARD, SP)	M5x0.8	5	Preapplied threadlocker
Fastener retaining seat lock to right side body panel	M22x1.5	4	
Fastener retaining front side body panel to frame and subframe (right+left)	M5x0.8	5	Preapplied threadlocker
Fastener retaining clip to headlight fairing frame	AF4	2	
Fastener retaining instrument panel to headlight fairing frame (HYPERSTRADA and HYPERMOTARD WITH LOW SEAT)	M5x0.8	5	

Fastener retaining windscreen to headlight fairing frame (HYPERSTRADA and HYPERMOTARD WITH LOW SEAT)	M5x0.8	3	
Underseat side body panel fastener (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M5x0.8	5	Preapplied threadlocker
Hand grab central fastener (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M6x1	5	
Fastener retaining tail guard to subframe (right + left) (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M5x0.8	5	
Fastener retaining tail guard to subframe (right + left) (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M8x1.25	20	
Fastener retaining sump guard to plate (right + left) (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M5x0.8	5	
Fastener retaining sump guard to central plate (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M6x1	5	
Fastener retaining sump guard supporting plate to engine (right + left) (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M5x0.8	5	
Fastener retaining hand grab to central cover (HYPERSTRADA, HYPERSTRADA WITH LOW SEAT)	M6x1	10	

* critical point for dynamic safety. Tightening torque tolerance must be $\pm 5\%$.