

## ENGINE & FRAME TORQUE VALUES

### FRAME BODY PANELS/EXHAUST SYSTEM

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Windscreen socket bolt	4	5	0.54 (0.06, 0.4)	
Windscreen stay socket bolt	4	6	12 (1.2, 9)	
Middle cowl socket bolt A	2	5	0.54 (0.06, 0.4)	
Front side reflector nut	2	6	1.8 (0.2, 1.3)	
Left rear cover bolt	2	6	12 (1.2, 9)	
Clutch EOP sensor cover socket bolt	2	6	10 (1.0, 7)	
Right rear engine cover socket bolt	2	6	10 (1.0, 7)	
Left main step bracket bolt	2	10	35 (3.6, 26)	
Sidestand switch bolt	1	6	10 (1.0, 7)	Replace with a new one.
Right main step bracket upper bolt	1	12	69 (7.0, 51)	
Right main step bracket lower bolt	1	8	32 (3.3, 24)	
Pillion step bracket bolt	4	8	32 (3.3, 24)	
Upper deflector socket bolt (long)	2	5	0.54 (0.06, 0.4)	
Upper deflector socket bolt (short)	4	5	0.42 (0.04, 0.3)	
Right lower deflector socket bolt	3	5	0.54 (0.06, 0.4)	
Left lower deflector socket bolt	3	5	0.54 (0.06, 0.4)	
Rear center cowl socket bolt	2	5	0.42 (0.04, 0.3)	
Rear carrier bolt	6	8	35 (3.6, 26)	
Rear reflector nut	1	5	1.8 (0.18, 1.3)	
Seat rail socket bolt	4	10	44 (4.5, 32)	
Rear master cylinder reservoir mounting bolt	1	6	10 (1.0, 7)	
Catalyst cover socket bolt	4	6	9.0 (0.92, 6.6)	
Exhaust outer cover socket bolt	1	6	9.0 (0.92, 6.6)	

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Exhaust pipe cover C socket bolt	4	6	9.0 (0.92, 6.6)	
Muffler band bolt	2	8	17 (1.7, 13)	
Muffler cover screw	1	6	9.0 (0.92, 6.6)	
Tail cap cover bolt	2	6	9.0 (0.92, 6.6)	
Exhaust pipe cover band screw	2	—	2.8 (0.29, 2.1)	Worm screw
Exhaust pipe joint nut	4	8	20 (2.0, 15)	
Exhaust pipe stud bolt	4	8	—	→
Sidestand pivot bolt	1	10	10 (1.0, 7)	→
Sidestand pivot nut	1	10	42 (4.3, 31)	→ Self lock nut

**MAINTENANCE**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Air cleaner element mounting screw	4	5	1.1 (0.11, 0.8)	Tapping screw
Air cleaner cover screw	6	5	1.1 (0.11, 0.8)	Tapping screw
Spark plug	4	10	22 (2.2, 16)	
Valve adjusting screw lock nut	4	5	10 (1.0, 7)	Apply engine oil to the threads and seating surface.
Timing hole cap	1	14	6.0 (0.61, 4.4)	Apply grease to the threads.
Crankshaft hole cap	1	30	8.0 (0.82, 5.9)	Apply grease to the threads.
Engine oil drain bolt	2	12	30 (3.1, 22)	
Oil filter boss (crankcase side)	1	20	—	Apply locking agent to the threads.
Engine oil filter cartridge	1	20	26 (2.7, 19)	Apply engine oil to the threads.
Clutch oil filter cover bolt (DCT model)	2	6	12 (1.2, 9)	
Rear axle nut	1	18	100 (10.2, 74)	Self-lock nut
Drive chain adjuster lock nut	2	8	27 (2.8, 20)	UBS-nut
Drive sprocket bolt	1	10	54 (5.5, 40)	
Driven sprocket nut	6	10	64 (6.5, 47)	Self-lock nut

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Oil bolt	5	10	34 (3.5, 25)	
Brake pipe joint nut	4	10	14 (1.4, 10)	Apply brake fluid to the threads.
Parking brake adjuster lock nut (DCT model)	1	8	17.2 (1.8, 13)	

**PGM-FI SYSTEM**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
A/F sensor	2	12	24.5 (2.5, 18)	
MAP sensor screw/washer	1	6	4.9 (0.50, 3.6)	
IAT sensor mounting screw	2	5	1.1 (0.11, 0.8)	
ECT sensor	1	10	12 (1.2, 9)	
GP sensor mounting bolt (MT model)	1	6	12 (1.2, 9)	
Shift spindle switch	1	10	12 (1.2, 9)	Apply engine oil to the threads and seating surface.
Shift spindle switch terminal nut	1	4	1.7 (0.17, 1.3)	
CKP sensor bolt	1	6	12 (1.2, 9)	

**ELECTRIC STARTER**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Starter motor cable terminal nut/washer	1	6	10 (1.0, 7)	
Starter motor setting bolt	2	5	4.9 (0.50, 3.6)	
Negative brush screw/washer	1	5	3.7 (0.38, 2.7)	

**FUEL SYSTEM**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Fuel filler cap bolt	3	4	1.8 (0.18, 1.3)	
Front cross plate bolt	4	6	12 (1.2, 9)	
Fuel pump unit mounting nut	5	6	12 (1.2, 9)	→
				→

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Connecting hose band screw	2	4	—	
Insulator band screw	2	5	—	→
Fuel injector assembly mounting bolt	4	5	5.1 (0.52, 3.8)	
MAP sensor screw/washer	1	6	4.9 (0.50, 3.6)	
PAIR reed valve cover bolt	2	6	12 (1.2, 9)	

**COOLING SYSTEM**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Coolant drain bolt	1	6	13 (1.3, 10)	
Thermostat cover bolt	2	6	12 (1.2, 9)	
Water hose band screw	6	—	—	→
Fan motor shroud bolt	4	6	8.5 (0.87, 6.3)	
Cooling fan mounting nut	2	5	2.7 (0.28, 2.0)	Apply locking agent to the threads.
Fan motor mounting screw	6	5	2.7 (0.28, 2.0)	
Water pump cover bolt	4	6	13 (1.3, 10)	Apply locking agent to the threads. (*1)

**LUBRICATION SYSTEM**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Engine oil filter cartridge	1	20	26 (2.7, 19)	Apply engine oil to the threads.
Oil pump mounting bolt	3	6	16 (1.6, 12)	
Flange bolt	6	6	12 (1.2, 9)	
Sealing bolt (22 mm)	1	22	30 (3.1, 22)	Apply locking agent to the threads.
Sealing bolt (24 mm) (DCT model)	1	24	30 (3.1, 22)	Apply locking agent to the threads.
Oil pump driven gear set plate bolt	1	6	12 (1.2, 9)	Apply locking agent to the threads. (*1)

**CYLINDER HEAD/VALVE/CAMSHAFT**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Cylinder head cover bolt	3	6	10 (1.0, 7)	
Rocker arm shaft bolt	2	6	12 (1.2, 9)	Apply engine oil to the threads and seating surface.
Rocker arm shaft stopper bolt	1	14	18 (1.8, 13)	
Camshaft holder bolt	6	6	12 (1.2, 9)	Apply engine oil to the threads and seating surface.
Cam sprocket bolt	2	7	20 (2.0, 15)	Apply locking agent to the threads. (*2)
Cam chain tensioner pivot bolt	1	8	23 (2.3, 17)	Apply locking agent to the threads. (*1)
Cylinder head bolt/washer	6	12	83 (8.5, 61)	Apply molybdenum oil solution to the threads and seating surface. Apply engine oil to the washer.
Front head engine hanger bolt (right side)	1	8	32 (3.3, 24)	
Front head engine hanger bolt (left side)	2	8	32 (3.3, 24)	
Insulator mounting bolt	4	6	12 (1.2, 9)	

**ALTERNATOR/STARTER CLUTCH**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Alternator cover bolt	12	6	12 (1.2, 9)	
Stator bolt	5	6	12 (1.2, 9)	Apply locking agent to the threads. (*1)
Flywheel mounting bolt	1	12	137 (14.0, 101)	Apply engine oil to the threads and seating surface.
Starter clutch torx bolt	6	8	29 (3.0, 21)	Apply locking agent to the threads. (*2)

**CLUTCH/GEARSHIFT LINKAGE (MT model)**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Right crankcase cover bolt	15	6	12 (1.2, 9)	
Clutch center lock nut	1	25	128 (13.1, 94)	Apply engine oil to the threads and seating surface. Stake.
Clutch set plate bolt	3	6	12 (1.2, 9)	
Primary drive gear bolt	1	10	103 (10.5, 76)	Apply engine oil to the threads and seating surface.
Shift drum stopper arm pivot bolt	1	6	12 (1.2, 9)	Apply locking agent to the threads. <a href="#">(*1)</a>
Shift drum center bolt	1	8	23 (2.3, 17)	Apply locking agent to the threads. <a href="#">(*2)</a>
Gearshift spindle set plate bolt	1	6	12 (1.2, 9)	Apply locking agent to the threads. <a href="#">(*1)</a>
Gearshift spindle cover bolt	2	6	12 (1.2, 9)	
Gearshift pedal pivot bolt	1	8	27 (2.8, 20)	
Clutch lever pivot bolt	1	6	1.0 (0.10, 0.7)	
Clutch lever pivot nut	1	6	5.9 (0.60, 4.4)	Self-lock nut
Clutch switch mounting screw	1	3	1.5 (0.15, 1.1)	
Clutch cruise cancel switch mounting screw	1	3	0.6 (0.06, 0.4)	

**DUAL CLUTCH TRANSMISSION (DCT model)**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Feed pipe guide plate bolt	2	5	5.0 (0.51, 3.7)	
Feed pipe cover bolt	3	6	12 (1.2, 9)	
Right crankcase cover bolt	15	6	12 (1.2, 9)	
Water pipe bolt	2	6	12 (1.2, 9)	
Clutch EOP sensor wire stay bolt	2	6	12 (1.2, 9)	
Shift spindle angle sensor bolt	1	6	12 (1.2, 9)	

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Linear solenoid valve body cover bolt	4	6	12 (1.2, 9)	
Linear solenoid valve stopper plate bolt	1	6	12 (1.2, 9)	Apply locking agent to the threads. (*1)
Linear solenoid valve body mounting bolt	4	6	12 (1.2, 9)	
Primary drive gear nut	1	22	118 (12.0, 87)	Apply engine oil to the threads and seating surface. Left-hand thread
Reduction gear cover torx bolt	3	6	14 (1.4, 10)	
Shift control motor mounting torx bolt	3	6	14 (1.4, 10)	
Shift control motor cover bolt	2	6	12 (1.2, 9)	
Shift drum center bolt	1	8	31 (3.2, 23)	Apply locking agent to the threads. (*2)
Drum shifter guide plate/drum shifter assembly mounting bolt	2	6	12 (1.2, 9)	Apply locking agent to the threads. (*1)
TR sensor mounting bolt	1	6	12 (1.2, 9)	
No.1/No.2 clutch EOP sensor	2	10	20 (2.0, 15)	
Clutch line EOP sensor	1	10	20 (2.0, 15)	
EOT sensor	1	10	15 (1.5, 11)	Apply engine oil to the threads and seating surface.
EOP sensor	1	10	22 (2.2, 16)	
Neutral switch	1	10	12 (1.2, 9)	Apply engine oil to the threads and seating surface.
Neutral switch terminal nut	1	4	1.7 (0.17, 1.3)	

**CRANKCASE/TRANSMISSION/BALANCER**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Front balancer bearing set plate bolt	3	6	12 (1.2, 9)	Apply locking agent to the threads. (*1)
Front balancer shaft bolt	1	10	103 (10.5, 76)	

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
				Apply engine oil to the threads and seating surface.
Rear balancer shaft holder bolt	3	8	29 (3.0, 21)	
Mainshaft bearing set plate bolt	3	6	12 (1.2, 9)	Apply locking agent to the threads. (*1)
Shift drum bearing setting bolt/washer	2	6	12 (1.2, 9)	Apply locking agent to the threads. (*1)
Crankcase main journal bolt	6	10	43 (4.4, 32)	Apply molybdenum oil solution to the threads and seating surface.
Crankcase 10 mm bolt	1	10	39 (4.0, 29)	
Crankcase 8 mm bolt	9	8	24 (2.4, 18)	

**CRANKSHAFT/PISTON/CYLINDER**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Crankpin bearing cap bolt (new)	4	9	22 (2.2, 16) + 120°	Apply engine oil to the threads and seating surface. Replace with a new one.
Crankcase main journal bolt	6	10	43 (4.4, 32)	Apply molybdenum oil solution to the threads and seating surface.
Crankpin bearing cap bolt (retightening)	4	9	22 (2.2, 16) + 90°	Apply engine oil to the threads and seating surface.

**ENGINE REMOVAL/INSTALLATION**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Right front lower engine hanger bolt (short)	1	8	32 (3.3, 24)	
Right front lower engine hanger bolt (long)	1	8	32 (3.3, 24)	
Rear engine upper hanger bolt	2	6	12 (1.2, 9)	
Swingarm pivot nut	1	16	80 (8.2, 59)	



ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
				Apply engine oil to the threads and seating surface. Self-lock nut
Rear lower nut	1	10	44 (4.5, 32)	
Front lower nut	1	10	44 (4.5, 32)	
Front engine hanger nut (8 mm)	2	8	32 (3.3, 24)	
Front engine hanger nut (10 mm)	1	10	44 (4.5, 32)	
Front head engine hanger bolt (right side)	1	8	32 (3.3, 24)	
Front head engine hanger bolt (left side)	2	8	32 (3.3, 24)	
Rear upper nut	1	8	32 (3.3, 24)	
Drive sprocket bolt	1	10	54 (5.5, 40)	
Clutch EOP sensor wire stay bolt	2	6	12 (1.2, 9)	
Neutral switch terminal nut	1	4	1.7 (0.2, 1.3)	
Shift spindle switch terminal nut	1	4	1.7 (0.2, 1.3)	
Alternator cover bolt	12	6	12 (1.2, 9)	

**FRONT WHEEL/SUSPENSION/STEERING**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Handlebar upper holder bolt	4	8	32 (3.3, 24)	
Right handlebar switch screw	2	5	2.5 (0.25, 1.8)	
Front master cylinder holder bolt	2	6	9.8 (1.00, 7.2)	
Left handlebar switch screw	2	5	2.5 (0.3, 1.8)	
Handlebar weight bolt	2	6	10 (1.0, 7)	Replace with a new one. Apply locking agent to the threads.
Handlebar lower holder nut	2	10	39 (4.0, 29)	Self lock nut
Front brake disc bolt	10	6	20 (2.0, 15)	Replace with a new one. Apply locking agent to the threads.
Pulser ring bolt	5	5	7.0 (0.71, 5.2)	Replace with a new one.

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
				Apply locking agent to the threads.
Front axle nut	1	14	59 (6.0, 44)	
Front axle holder pinch bolt	4	8	27 (2.8, 20)	
Front brake caliper mounting bolt	4	10	45 (4.6, 33)	Replace with a new one. Apply locking agent to the threads.
Right fork damper lock nut	1	9	18 (1.8, 13)	
Left fork damper lock nut	1	12	28 (2.9, 21)	
Tire valve clamp nut	1	—	6.5 (0.66, 4.8)	
Fork cap	2	46.5	35 (3.6, 26)	
Fork bottom bridge pinch bolt	4	8	25 (2.5, 18)	
Fork top bridge pinch bolt	4	8	22 (2.2, 16)	
Steering stem adjusting nut	1	26	30 (3.1, 22)	→
Steering stem nut	1	24	100 (10.2, 74)	→

**REAR WHEEL/SUSPENSION**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Rear axle nut	1	18	100 (10.2, 74)	Self-lock nut
Tire valve clamp nut	1	—	6.5 (0.66, 4.8)	
Rear brake disc bolt	4	8	42 (4.3, 31)	Replace with a new one. Apply locking agent to the threads.
Driven sprocket nut	6	10	64 (6.5, 47)	Self-lock nut
Pulser ring bolt	3	5	7.0 (0.71, 5.2)	Replace with a new one. Apply locking agent to the threads.
Shock absorber upper nut	1	10	54 (5.5, 40)	Self-lock nut
Shock absorber lower nut	1	10	44 (4.5, 32)	Self-lock nut
Cushion connecting rod nut (rear side)	1	10	54 (5.5, 40)	Self-lock nut
Brake hose guide screw	2	5	1.2 (0.12, 0.9)	Replace with a new one.
Brake hose clamp screw	1	5	1.2 (0.12, 0.9)	Replace with a new one.

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Cushion arm nut	1	12	74 (7.5, 55)	Self-lock nut
Cushion connecting rod nut (front side)	1	10	44 (4.5, 32)	Apply engine oil to the threads and seating surface. Self-lock nut
Drive chain slider screw	3	5	4.2 (0.4, 3.1)	Replace with a new one. Apply locking agent to the threads.
Swingarm pivot nut	1	16	80 (8.2, 59)	Apply engine oil to the threads and seating surface. Self-lock nut

**HYDRAULIC BRAKE**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Brake caliper bleed valve	3	8	5.4 (0.55, 4.0)	
Front master cylinder reservoir cap screw	2	4	1.5 (0.15, 1.1)	
Rear master cylinder reservoir cap screw	2	4	1.5 (0.15, 1.1)	
Rear master cylinder reservoir mounting bolt	1	6	10 (1.0, 7)	
Front brake caliper mounting bolt	4	10	45 (4.6, 33)	Replace with a new one. Apply locking agent to the threads.
Rear brake caliper mounting bolt	1	8	22 (2.2, 16)	Replace with a new one.
Rear brake pad pin	1	10	17 (1.7, 13)	
Parking brake caliper mounting bolt (DCT model)	2	8	30 (3.1, 22)	Replace with a new one. Apply locking agent to the threads.
Parking brake pad pin (DCT model)	2	8	17.2 (1.8, 13)	Replace with a new one.
Front master cylinder holder bolt	2	6	9.8 (1.00, 7.2)	
Oil bolt	5	10	34 (3.5, 25)	
Front brake lever pivot bolt	1	6	1.0 (0.10, 0.7)	
Front brake lever pivot nut	1	6	5.9 (0.60, 4.4)	
Front brake switch mounting screw	1	4	1.2 (0.12, 0.9)	

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Rear master cylinder mounting bolt	2	6	14 (1.4, 10)	
Rear master cylinder connector screw	1	4	1.5 (0.15, 1.1)	
Rear master cylinder push rod lock nut	1	8	17.2 (1.8, 13)	
Front brake caliper assembly torx bolt	6	8	27 (2.8, 20)	Apply locking agent to the threads.
Rear brake caliper pin bolt	1	12	27 (2.8, 20)	
Parking brake lever cap screw	2	5	4.2 (0.43, 3)	
Parking brake caliper pin bolt (DCT model)	1	8	22 (2.2, 16)	Apply locking agent to the threads.
Parking brake adjuster lock nut (DCT model)	1	8	17.2 (1.8, 13)	

**ANTI-LOCK BRAKE SYSTEM (ABS)**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Brake hose guide screw	2	5	1.2 (0.12, 0.9)	Replace with a new one.
Brake hose clamp screw	1	5	1.2 (0.12, 0.9)	Replace with a new one.
Oil bolt	5	10	34 (3.5, 25)	
Brake pipe joint nut	4	10	14 (1.4, 10)	Apply brake fluid to the threads.

**LIGHTS/METERS/SWITCHES/OTHER ELECTRONIC CONTROL UNITS**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
License light bolt	2	4	2.0 (0.20, 1.5)	
Meter/MID screw	7	5	1.0 (0.10, 0.7)	
Open air temperature sensor screw	1	4	1.2 (0.12, 0.9)	
EOP switch (MT model)	1	PT 1/8	12 (1.2, 9)	Apply sealant to the threads.
EOP switch terminal bolt/washer (MT model)	1	4	2.0 (0.20, 1.5)	
Ignition switch mounting bolt	2	8	26 (2.7, 19)	Replace with a new one.
Left handlebar switch screw	2	5	2.5 (0.25, 1.8)	

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Right handlebar switch screw	2	5	2.5 (0.25, 1.8)	
Front master cylinder holder bolt	2	6	9.8 (1.00, 7.2)	
Parking brake switch mounting screw/washer	1	3	0.39 (0.04, 0.3)	
Parking brake lever cap screw	2	5	4.2 (0.43, 3.1)	
Neutral switch (MT model)	1	10	12 (1.2, 9)	Apply engine oil to the thread and seating surface.
Neutral switch terminal nut (MT model)	1	4	1.7 (0.17, 1.3)	
Left main step bracket bolt	2	10	35 (3.6, 26)	
Sidestand switch bolt	1	6	10 (1.0, 7)	Replace with a new one. Apply locking agent to the threads.

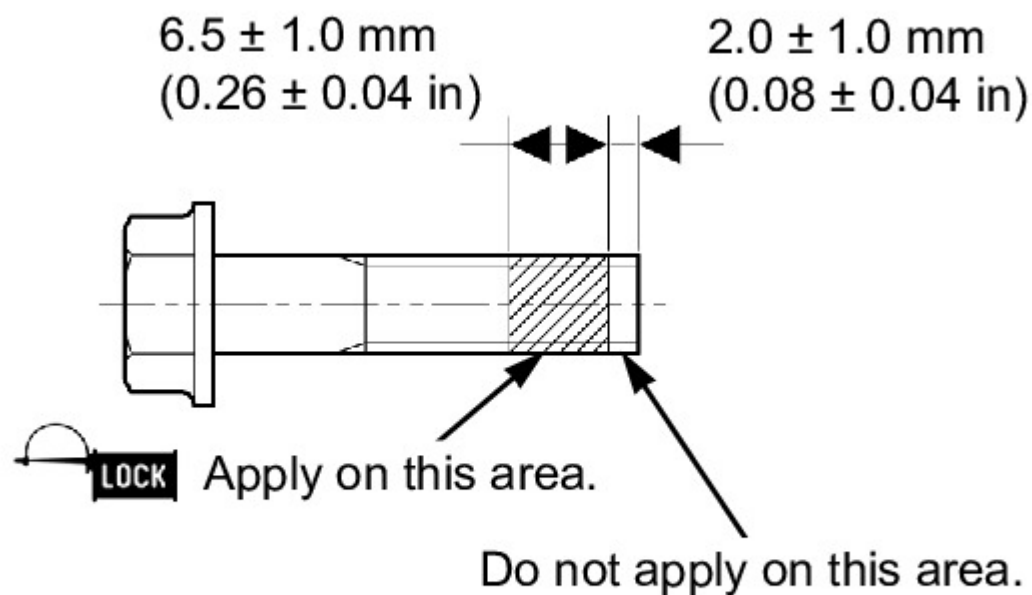
**OTHERS**

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Front cowl stay bolt	2	8	43 (4.4, 32)	
MAP sensor stay mounting screw/washer	1	6	4.9 (0.50, 3.6)	
Cylinder head sealing bolt	2	18	27 (2.8, 20)	Apply locking agent to the threads.
Oil pan sealing bolt (14 mm) (DCT model)	1	14	18 (1.8, 13)	Apply locking agent to the threads. Coating width: $5 \pm 1$ mm ( $0.2 \pm 0.04$ in) except $2 \pm 1$ mm ( $0.1 \pm 0.04$ in) from bolt end
Oil pan sealing bolt (16 mm)	1	16	23 (2.3, 17)	Apply locking agent to the threads. Coating width: $5 \pm 1$ mm ( $0.2 \pm 0.04$ in) except $2 \pm 1$ mm ( $0.1 \pm 0.04$ in) from bolt end
Oil pan sealing bolt (20 mm)	1	20	45 (4.6, 33)	Apply locking agent to the threads. Coating width: $5 \pm 1$ mm ( $0.2 \pm 0.04$ in) except $2 \pm 1$ mm ( $0.1 \pm 0.04$ in) from bolt end

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
Gearshift spindle return spring pin	1	8	23 (2.3, 17)	
Right crankcase cover sealing bolt (6 mm) (DCT model)	5	6	10 (1.0, 7)	
Right crankcase cover sealing bolt (10 mm) (DCT model)	4	10	12 (1.2, 9)	
Right crankcase cover sealing bolt (12 mm) (DCT model)	1	12	16 (1.6, 12)	
Right crankcase cover orifice (DCT model)	1	—	2.0 (0.2, 1.5)	
Right crankcase cover inner cover bolt (DCT model)	6	6	12 (1.2, 9)	Apply locking agent to the threads. ( <a href="#">*1</a> )
Upper crankcase sealing bolt (8 mm)	1	8	23 (2.3, 17)	Apply locking agent to the threads. Coating width: $5 \pm 1$ mm ( $0.2 \pm 0.04$ in) except $2 \pm 1$ mm ( $0.1 \pm 0.04$ in) from bolt end
Lower crankcase sealing bolt (10 mm) (DCT model)	1	10	12 (1.2, 9)	Apply locking agent to the threads. Coating width: $4.5 \pm 1$ mm ( $0.2 \pm 0.04$ in) except $2 \pm 1$ mm ( $0.1 \pm 0.04$ in) from bolt end
Lower crankcase sealing bolt (18 mm)	2	18	29 (3.0, 21)	Apply locking agent to the threads. Coating width: $5 \pm 1$ mm ( $0.2 \pm 0.04$ in) except $2 \pm 1$ mm ( $0.1 \pm 0.04$ in) from bolt end
Lower crankcase sealing bolt (22 mm) (MT model)	1	22	59 (6.0, 44)	Apply locking agent to the threads. Coating width: $4.5 \pm 1$ mm ( $0.2 \pm 0.04$ in) except $2 \pm 1$ mm ( $0.1 \pm 0.04$ in) from bolt end
Lower crankcase sealing bolt (22 mm) (DCT model)	1	22	30 (3.1, 22)	Apply locking agent to the threads. Coating width: $4.5 \pm 1$ mm ( $0.2 \pm 0.04$ in) except $2 \pm 1$ mm ( $0.1 \pm 0.04$ in) from bolt end

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\*1: Apply locking agent to the threads as shown.

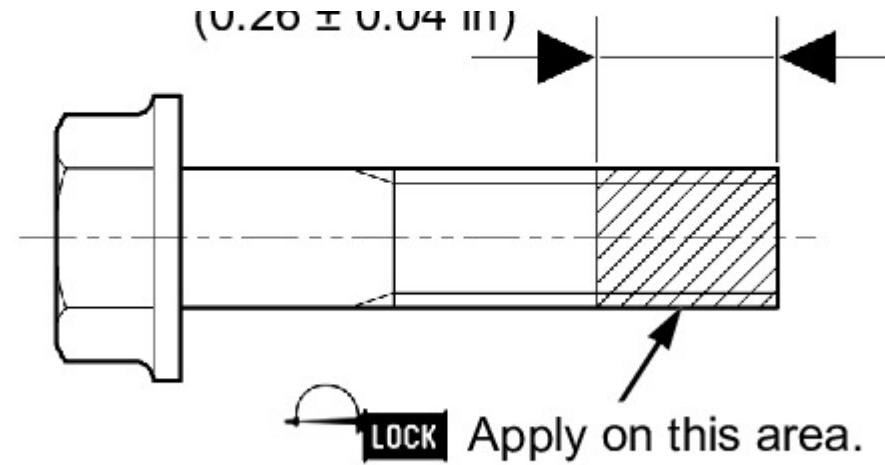


The bolt shown is typical.

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\*2: Apply locking agent to the threads as shown.

$6.5 \pm 1.0 \text{ mm}$   
( $0.26 \pm 0.04 \text{ in}$ )



The bolt shown is typical.

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