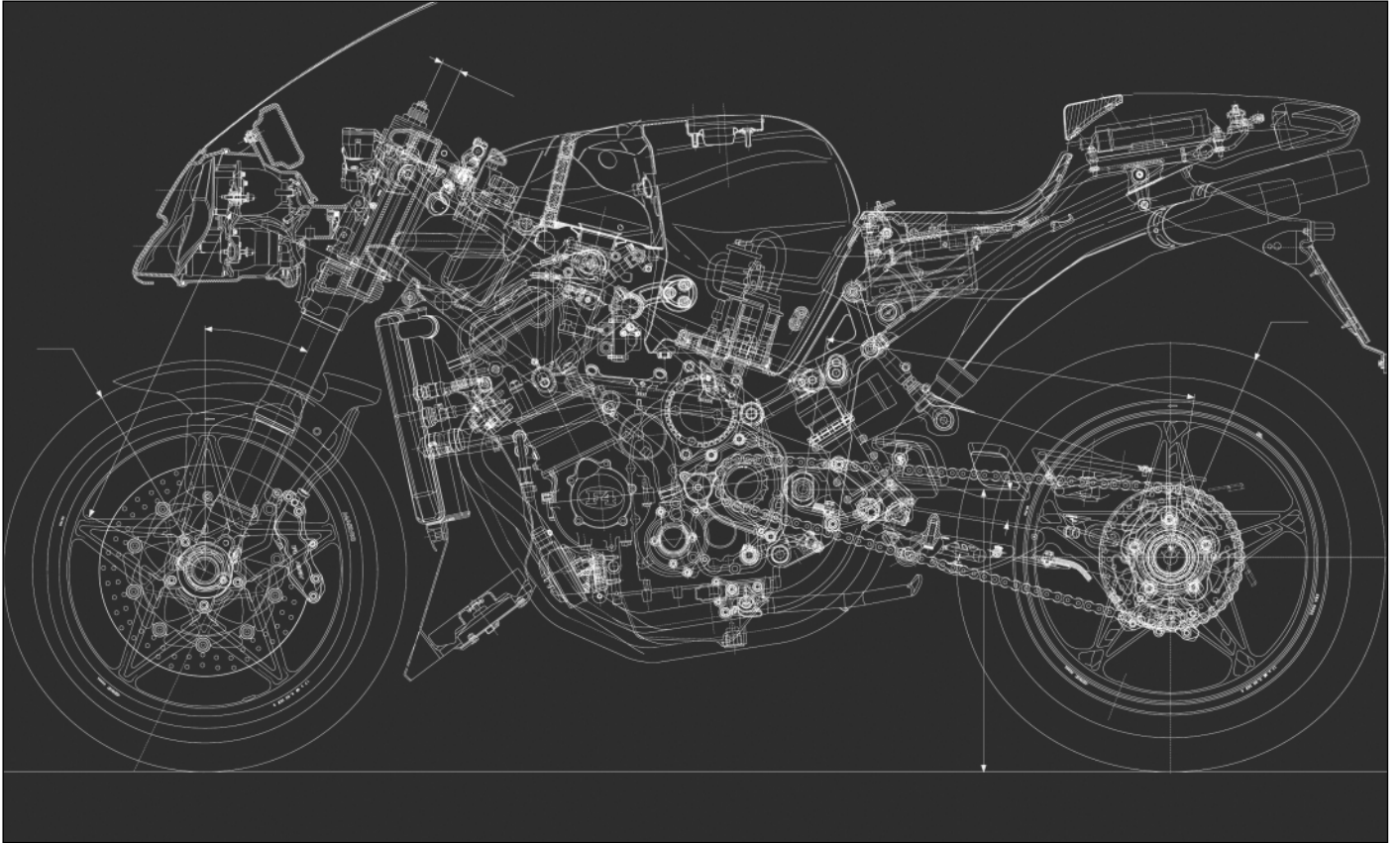




## Torque pressures



**SECTION N**

Revision 0

N



## Torque pressures

### SUMMARY

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## Torque pressures

### TORQUE PRESSURES – CYCLE PARTS, EXCLUDING ENGINE - MV AGUSTA F4 ORO

#### FRAME

Description	Type	Torque [N·m]	Notes
Front fixing screw – engine	M12x1,25	55/60	
Guide screw	M6x1 TEF	8/10	Loctite 242
Upper fixing screw - engine	M12x1,25	55/60	
Lower fixing screw - engine	M12x1,25	55/60	
Plate/frame fixing screw	M12x1,25 TEF	55/60	
Plate/frame lower fixing screw	M8x1,25 TCEIF	24/28	
Plate/frame upper fixing screw	M8x1,25 TCEIF	24/28	
Footrest eccentric screw	M8x1,25	26/30	
Upper fixing screw – plate/footrest support	M8x1,25 TCEIF	24/28	
Lower fixing screw - plate/footrest support	M8x1,25 TCEIF	24/28	
Sump/plate fixing screw	M8x1,25 TCEIF	23/25	Loctite 242
Side stand nut	M8 Gally	24/28	
Nut for lock	M22x1,5	In appoggio + 30°	

#### HANDLEBARS AND CONTROLS

Description	Type	Torque [N·m]	Notes
Clamp internal screw	M6x1 TCEIF	8/10	
Clamp external screw	M6x1 TCEIF	8/10	
Clip-on handlebar screw	M6x1 TCEIF	8/10	
Fixing screw – brake pump/clip-on handlebar	M6x1 TCEIF	5/6	
Accelerator screw	M6x1 TCEIF	6/8	
Eccentric screw – pedal	M6x1 TCEIF	8/10	
Pedal pin screw	M8x1,25	23/25	
Fixing screw – pump support	M6x1 TEF	8/10	
Fixing screw – pump support/engine	M8x1,25 TCEIF	23/25	
Fixing screw – pump support/engine	M6x1 TCEIF	8/10	
Gear change pedal screw	M6x1 TCEIF	8/10	
Special screw – hydraulic unions	M10x1,25	16/18	
Screw for hydraulic union with discharge	M10x1,25	16/18	
Clip-on handlebar counterweight screw	M6x1 TCEI	2	

#### FRONT SUSPENSION

Description	Type	Torque [N·m]	Notes
Screw – fork/wheel attachment	M10x1.25	20/22	
Fixing screw – base/inserts	M6x1 TCEIF	8/9	
Phasing screw – steering head	M12x1	18/20	
Steering lock screw	M5x0.8 TCEIF	5/7	Loctite 242
Fixing screw – head/inserts	M8x1.25 TCEIF	16/18	
Fixing screw – frame head/steering sleeve	M8x1.25 TCEIF	22/24	
Terminal screw	M6x1	4/6	
Fixing screw – connecting rod/shock absorber support	M6x1	8/10	Loctite 270



## Torque pressures

### FRONT SUSPENSION

Description	Type	Torque [N-m]	Notes
Fixing screw – connecting rod/steering head	M6x1 TCEIF	8/10	Loctite 270
Steering shock absorber support screw	M6x1 TCEIF	4	
Steering shock absorber/frame screw	M6x1 TCEIF	8/10	
Steering bearing screw ring	M35x1	In contact + 10°	
Frame head steering screw ring	M76x1.25	95/100	With grease also on the conical part

### REAR SUSPENSION

Description	Type	Torque [N-m]	Notes
Rear brake pincer support peg	M12x1.25	30/35	Loctite 242
Upper guide screw	M6x1	2	
Upper chain cover screw	M6x1	4/5	
Lower attachment screw	M10x1.25 TCEIF	40/44	Loctite 242
Fork spindle screw	M15x1.25 TEF	70/75	
Lower connecting rod screw	M10x1.25	40/44	
Upper connecting rod screw	M10x1.25 TCEIF	40/44	
Compensator screw	M10x1.25	50/55	
Lower fixing screw – shock absorber	M10x1.25 TCEIF	40/44	
Upper fixing screw – shock absorber	M10x1.25 TCEIF	40/44	
Rear wheel hub screw	M12x1.25	28/32	

### FAIRING AND MUDGUARDS

Description	Type	Torque [N-m]	Notes
Front mudguard spoiler screw	M6x1 TCEIF	2	
Tail unit support fixing screw	M6x1 TCEIF	6/7	
Sub-frame/anti-heat wall fixing screw	M6x1 TCEIF	2/3	
Conduit/Headlight support screw	M6x1 TE	6/8	
Reflector nut	M4 GALLY	In contact + 90°	

### ELECTRICAL SYSTEM

Description	Type	Torque [N-m]	Note
Side stand micro-switch screw	M5x0.8 TCEIF	5/7	
Cover/air intake screw	M6x1	6/8	
Horn screw	M6x1	2/3	
Electrical wiring plate screw	M6x1	2/3	
Headlight support screw	M7x1	12/14	
Number plate light nut	M5x0,8 GALLY	In contact + 90°	

### FUEL FEED

Description	Type	Torque [N-m]	Notes
Rapid engagement terminal	1/4" NPT	3	Loctite 577
Tank – lower flange screw	M6x1	5/6	

### WHEELS AND BRAKES

Description	Type	Torque [N-m]	Notes
Left nut – rear wheel spindle	M48x1.5	200/220	
Right nut – rear wheel spindle	M50x1.5 anti-clockwise	220/240	



## Torque pressures

### WHEELS AND BRAKES

Description	Type	Torque [N·m]	Notes
Front wheel spindle screw ring	M35x1	40/44	
Crown wheel nut	M10x1.25 polygonal	45/50	Without grease
Rear brake disc special nut	M7x1	18/20	Loctite 270
Rear brake pincer screw	M8x1.25 TCEIF	23/26	
Front brake disc screw	M8x1.25 TCEIF	23/25	
Upper front brake pincer/attachment screw	M10x1.25 TCEIF	38/42	
Lower front brake pincer/attachment screw	M10x1.25 TCEIF	38/42	
Pin screw	M8x1	20/22	Loctite 270

### EXHAUST SYSTEM

Description	Type	Torque [N·m]	Notes
Fixing braking nut – exhaust pipes/cylinder head	M8x1.25 GALLY	16/18	

### INSTRUMENTATION

Description	Type	Torque [N·m]	Notes
Instrument panel screw	M5x0.8	4/5	

### NUTS AND SCREWS NOT INDICATED IN THE TABLE:

Description	Type	Torque [N·m]
Generic nuts and screws	M5x0.8	5/7
Generic nuts and screws	M6x1	8/10
Generic nuts and screws	M8x1.25	22/24
Generic nuts and screws	M10x1.5	34/37
Generic nuts and screws	M12x1.75	52/57



## Torque pressures

### TORQUE PRESSURES – CYCLE PARTS, EXCLUDING ENGINE - MV AGUSTA F4 S/F4 S 1 + 1

#### FRAME

Description	Type	Torque [N-m]	Notes
Front fixing screw – engine	M12x1,25	55/60	
Guide screw	M6x1 TEF	8/10	Loctite 242
Upper fixing screw - engine	M12x1,25	55/60	
Lower fixing screw - engine	M12x1,25	55/60	
Plate/frame fixing screw	M12x1,25 TEF	55/60	
Plate/frame lower fixing screw	M8x1,25 TCEIF	24/28	
Plate/frame upper fixing screw	M8x1,25 TCEIF	24/28	
Fixing screw – plate/footrest support	M8x1,25 TCEIF	24/28	
Sump/plate fixing screw	M8x1,25 TCEIF	23/25	Loctite 242
Side stand nut	M8 Gally	24/28	
Nut for lock	M22x1,5	In contact + 30°	

#### HANDLEBARS AND CONTROLS

Description	Type	Torque [N-m]	Notes
Clamp internal screw	M6x1 TCEIF	8/10	
Clamp external screw	M6x1 TCEIF	8/10	
Clip-on handlebar screw	M6x1 TCEIF	8/10	
Fixing screw – brake pump/clip-on handlebar	M6x1 TCEIF	5/6	
Accelerator screw	M6x1 TCEIF	6/8	
Eccentric screw – pedal	M6x1 TCEIF	8/10	
Pedal pin screw	M8x1,25	23/25	
Fixing screw – pump support	M6x1 TEF	8/10	
Fixing screw – pump support/engine	M8x1,25 TCEIF	23/25	
Fixing screw – pump support/engine	M6x1 TEF	8/10	
Gear change pedal screw	M6x1 TCEIF	8/10	
Special screw – hydraulic unions	M10x1,25	16/18	
Screw for hydraulic union with discharge	M10x1,25	16/18	
Clip-on handlebar counterweight screw	M6x1 TCEI	2	

#### FRONT SUSPENSION

Description	Type	Torque [N-m]	Notes
Screw – fork/wheel attachment	M10x1.25	20/22	
Fixing screw – base/inserts	M6x1 TCEIF	8/9	
Phasing screw – steering head	M12x1	18/20	
Steering lock screw	M5x0.8 TCEIF	5/7	Loctite 242
Fixing screw – head/inserts	M8x1.25 TCEIF	16/18	
Fixing screw – frame head/steering sleeve	M8x1.25 TCEIF	22/24	
Terminal screw	M6x1	4/6	
Fixing screw – connecting rod/shock absorber support	M6x1	8/10	Loctite 270
Fixing screw – connecting rod/steering head	M6x1	8/10	Loctite 270
Steering shock absorber support screw	M6x1 TCEIF	4	



## Torque pressures

### FRONT SUSPENSION

Description	Tipo	Torque [N·m]	Notes
Steering shock absorber/frame screw	M6x1 TCEIF	8/10	
Steering bearing screw ring	M35x1	In contact + 10°	
Frame head steering screw ring	M76x1.25	95/100	With grease also on the conical part

### REAR SUSPENSION

Description	Tipo	Torque [N·m]	Notes
Rear brake pincer support peg	M12x1.25	30/35	Loctite 242
Upper guide screw	M6x1	2	
Upper chain cover screw	M6x1	4/5	
Lower attachment screw	M10x1.25 TCEIF	40/44	Loctite 242
Fork spindle screw	M15x1.25 TEF	70/75	
Lower connecting rod screw	M10x1.25	40/44	
Upper connecting rod screw	M10x1.25 TCEIF	40/44	
Compensator screw	M10x1.25	50/55	
Lower fixing screw – shock absorber	M10x1.25 TCEIF	40/44	
Upper fixing screw – shock absorber	M10x1.25 TCEIF	40/44	
Rear wheel hub screw	M12x1.25	28/32	

### FAIRING AND MUDGUARDS

Description	Tipo	Torque [N·m]	Notes
Front mudguard spoiler screw	M6x1 TCEIF	2	
Tail unit support fixing screw	M6x1 TEF	6/7	
Sub-frame/anti-heat wall fixing screw	M6x1 TEF	2/3	
Conduit/Headlight support screw	M6x1 TEF	6/8	
Reflector nut	M4 GALLY	In contact + 90°	
Tail rotation fork screw	M5 x 0,8 TSPEI	3	

### ELECTRICAL SYSTEM

Description	Tipo	Torque [N·m]	Notes
Side stand micro-switch screw	M5x0.8 TCEIF	5/7	
Cover/air intake screw	M6x1	6/8	
Horn screw	M6x1 TEF	2/3	
Electrical wiring plate screw	M6x1 TEF	2/3	
Headlight support screw	M7x1	12/14	
Number plate light nut	M5x0,8 GALLY	In contact + 90°	
Rear stoplight fixing screw	M6 x 1 TCEIF	5	

### FUEL FEED

Description	Tipo	Torque [N·m]	Notes
Rapid engagement terminal	1/4" NPT	3	Loctite 577
Tank – lower flange screw	M6x1	8/10	

### WHEELS AND BRAKES

Description	Tipo	Torque [N·m]	Notes
Left nut – rear wheel spindle	M48x1.5	200/220	
Right nut – rear wheel spindle	M50x1.5 left	220/240	



## Torque pressures

### WHEELS AND BRAKES

Description	Type	Torque [N·m]	Notes
Front wheel spindle screw ring	M35x1	40/44	
Crown wheel nut	M10x1.25 poligonale	45/50	Without grease
Rear brake disc special nut	M7x1	18/20	Loctite 270
Rear brake pincer screw	M8x1.25 TCEIF	23/26	
Front brake disc screw	M8x1.25 TCEIF	23/25	Loctite 242
Upper front brake pincer/attachment screw	M10x1.25 TCEIF	38/42	
Lower front brake pincer/attachment screw	M10x1.25 TCEIF	38/42	
Pin screw	M8x1	20/22	Loctite 270

### EXHAUST SYSTEM

Description	Type	Torque [N·m]	Notes
Fixing braking nut – exhaust pipes/cylinder head	M8x1.25 GALLY	16/18	

### INSTRUMENTATION

Description	Type	Torque [N·m]	Notes
Instrument panel screw	M5x0.8	4/5	

### SEAT

Description	Type	Torque [N·m]	Notes
Seat screw and rear anti-vibration	M5x0.8 TBEI	2	

### NUTS AND SCREWS NOT INDICATED IN THE TABLE:

Description	Type	Torque [N·m]
Generic nuts and screws	M5x0.8	5/7
Generic nuts and screws	M6x1	8/10
Generic nuts and screws	M8x1.25	22/24
Generic nuts and screws	M10x1.5	34/37
Generic nuts and screws	M12x1.75	52/57