YAMAHA
YZ450F 2027

Motocross · 450cc 4T · US version

Safety recalls: see motoxsports.com/bikes/recalls/

Engine and chassis figures, as the manual prints them, are on the live page.

Verified
33 of 33 figures read off a manual page

GEARING

Stock front sprocket	13T	p. 2-4
Stock rear sprocket	51T	p. 2-4
Chain pitch	520	p. 2-7
Stock chain links	114	p. 2-7
Stock final drive ratio	3.923 : 1	p. 2-4

WHEELS AND TIRES

Front rim	21x1.6	p. 2-5
Rear rim	19x2.15	p. 2-5
Front tire	80/100-21 51M	p. 2-5
Rear tire	120/80-19 63M	p. 2-5

SUSPENSION

Fork	Telescopic fork	p. 2-6
Fork travel	310 mm (12.2 in)	p. 2-6
Shock travel	295 mm (11.6 in)	p. 2-6
Stock fork spring rate	5 N/mm	p. 10-3
Stock shock spring rate	56 N/mm	p. 10-4
Static sag, bike only	– Not yet verified	
Race sag, rider on	– Not yet verified	

FLUIDS AND CAPACITIES

Engine oil spec — p. 2-2
SAE 10W-40 (or 10W-50, 15W-40, 20W-40, 20W-50), API SG or higher, JASO MA

Engine oil capacity (oil change)	0.94 L (0.99 US qt)	p. 2-2
Engine oil capacity, with filter change	0.96 L (1.01 US qt)	p. 2-2
Coolant capacity	1.03 L (1.09 US qt)	p. 2-2
Fuel capacity	6.2 L (1.6 US gal)	p. 2-2

SERVICE SPECS

Fork oil — p. 2-6
Yamaha Suspension Oil S1; Quantity (left) 501.0 cm³ (16.94 US oz, 17.67 Imp.oz); Quantity (right) 501.0 cm³ (16.94 US oz, 17.67 Imp.oz)

Brake fluid	DOT 4	p. 2-5

Coolant type — p. 3-23
High quality ethylene glycol antifreeze containing anti-corrosion for aluminum engine

Fuel octane	Octane number (RON) 95	p. 2-2
Idle speed	1900-2100 r/min	p. 2-4

Valve clearance — pp. 2-2, 2-3
Intake 0.10-0.17 mm (0.0039-0.0067 in); Exhaust 0.15-0.22 mm (0.0059-0.0087 in), cold

MAINTENANCE

Tire pressure (off-road) — p. 2-5
100 kPa (15 psi) front and rear

Chain slack — p. 2-7
50.0-60.0 mm (1.97-2.36 in), on a maintenance stand

Spark plug and gap	NGK LMAR8G, gap 0.7-0.8 mm	p. 2-2

Chain wear limit — p. 2-7
15-link length limit 242.9 mm (9.56 in)

Brake pad wear limit	1.0 mm (0.04 in)	p. 2-5

DIMENSIONS

Seat height	965 mm (38.0 in)	p. 2-1
Wheelbase	1475 mm (58.1 in)	p. 2-1
Weight (curb weight)	109 kg (242 lb)	p. 2-1

SHOP NOTES

Date / hours

Sprockets run

● printed on the manual page shown
ⓘ maker web page or spec sheet ⊜ calculated, not printed
≈ converted by MotoXSports – not yet verified

Check your own manual before ordering parts or setting up the bike. Torque values are not published here: use the manual.

motoxsports.com/bikes/yamaha-yz450f/ · data checked 2026-

1 Yamaha 2027 YZ450F Owner's Service Manual (YZ450FV, USA), LIT-11626-40-37, D03-2819U-11 pp. 2-1, 2-2, 2-2, 2-3, 2-3, 2-4, 2-5, 2-6, 2-7, 2-8, 3-23,

The live page, with