

12. REAR WHEEL / BRAKE / DRIVE MECHANISM



HONDA
ATC 250R

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SERVICE INFORMATION

GENERAL INSTRUCTION

- This section covers maintenance of the rear wheel and drive mechanism.
- A jack or block is required to support the ATC.

TOOLS

Special

Lock Nut Wrench 41 mm
Tire Disassembling Tool

07916 – 9180000 or commercially available 41mm wrench
07722 – 0010000 or M987X-350-XXXXX (Available in USA only)

Common

Attachment 62 x 68 mm
Driver handle
Pilot 35 mm

07746 – 0010500
07749 – 0010000
07746 – 0040800

TORQUE VALUES

Rear wheel rim nut	18 – 25 N-m	(1.8 – 2.5 kg-m, 13 – 18 ft-lb)
Rear brake arm bolt	8 – 12 N-m	(0.8 – 1.2 kg-m, 6 – 9 ft-lb)
Rear axle nut (inner)	35 – 45 N-m	(3.5 – 4.5 kg-m, 25 – 33 ft-lb)
(outer)	120 – 140 N-m	(12.0 – 14.0 kg-m, 87 – 101 ft-lb)
Rear wheel hub nut	80 – 100 N-m	(8.0 – 10.0 kg-m, 53 – 72 ft-lb)
Final driven sprocket	18 – 25 N-m	(1.8 – 2.5 kg-m, 13 – 18 ft-lb)
Final driven sprocket	18 – 25 N-m	(1.8 – 2.5 kg-m, 13 – 18 ft-lb)

SPECIFICATIONS

ITEM	STANDARD	SERVICE LIMIT
Rear axle runout	—	3.0 mm (0.12 in)
Rear brake drum I.D.	140 mm (5.51 in)	141.0 mm (5.55 in)
Rear brake lining thickness	4 mm (0.2 in)	2 mm (0.1 in)
Rear wheel bearing play	Radial	0.10 mm (0.004 in)
	Axial	0.05 mm (0.002 in)
Rear wheel rim runout	Radial	4.00 mm (0.157 in)
	Axial	4.00 mm (0.157 in)