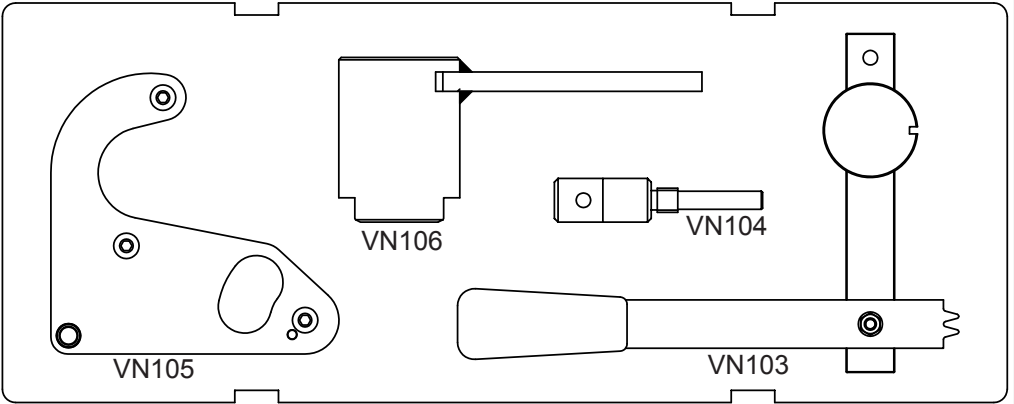


 **Beta**
1461/C21G



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INSTRUCTIONS FOR USE



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EN

TIMING TOOL KIT FOR RENAULT, NISSAN 1.6 DCI - R9M DIESEL ENGINES

APPLICATION

Brand	Model	Engine	Engine code
Nissan	Qashqai e Qashqai+2	1.6 dCi	All R9M engines
Renault	Megane, Scenic, Grand Scenic		

Engine code	OEM code			
	Mot.1770	Mot. 1669	Mot. 1970	Mot. 1773
All R9M engines	•	•	•	•

PARTS:

Beta code	OEM code	Description
VN106	Mot. 1770	Crankshaft pulley locking tool
VN105	Mot. 1969	Camshaft locking/alignment tool
VN104	Mot. 1970	Crankshaft timing pin
VN103	Mot. 1773	Intake camshaft two-piece gear alignment tool

Special precautions - Read carefully

- Disconnect the battery earth leads (check the radio code, if available)
- Remove the spark or glow plugs to make the engine turn easier
- Do not use any cleaning fluids on belts, pinions or tensioners
- Always make a note of the route of the auxiliary drive belt before removal
- Turn the engine in the normal direction (clockwise, unless stated otherwise)
- Do not turn the camshaft, crankshaft or diesel injection pump once the timing chain has been removed (unless specifically stated)
- Do not use the timing chain to lock the engine when slackening or tightening the crankshaft pulley bolts
- Do not turn the crankshaft or camshaft when the timing belt/chain has been removed
- Mark the direction of the chain before removing
- It is always recommended to turn the engine slowly, by hand, and to re-check the crankshaft and camshaft timing positions
- Camshafts and crankshafts may only be turned with the chain/belt drive mechanism fully installed.
- Do not turn the crankshaft via camshaft or other gears
- Check the diesel injection pump timing after replacing the chain
- Observe all tightening torques
- Always refer to the manufacturer's service manual or the supplied instruction book
- Incorrect or out of phase engine timing results in damage to the valves