

 **Beta**
1461/C12G

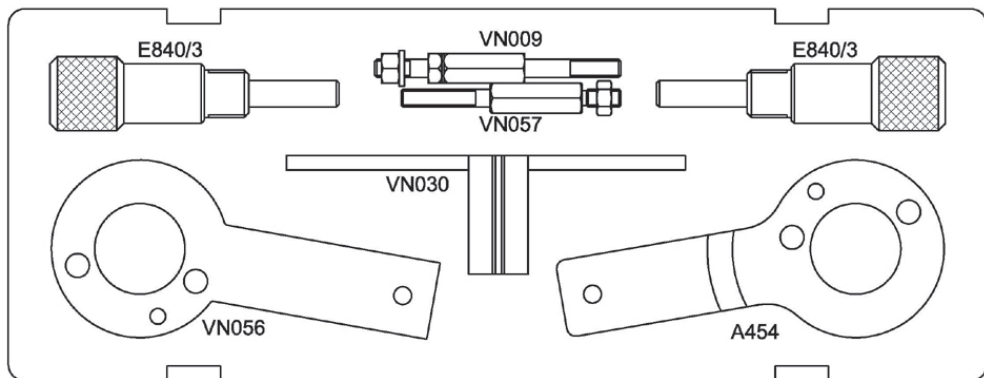


EN INSTRUCTIONS FOR USE

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EN

SET OF PINS FOR CAMSHAFT LOCKING ON ALFA - FIAT - LANCIA 1.6 - 1.9 - 2.0 - 2.4 JTD MJ



PARTS:

Beta item number	OEM item number	Description
VN056	EN-46788; 1 860 905 000	Driving shaft timing device
E840/3	1 870 896 900; EN-46789	Induction camshaft locking device
A454	2 000 003 000	Driving shaft timing device
VN009	2 000 004 500	Driving shaft timing device pin
VN057	1 860 905 010	Driving shaft timing device pin
VN030	1 860 898 000	Flywheel lock

APPLICATION

Brand	Model	Engine	Engine item number
Alfa Romeo	145, 146, 147, 156, 159, 166	1.6 MultiJet, 1.9 JTD, 1.9 MultiJet, 2.4 JTD, 1.9 CDTi, 2.0 MultiJet	955A4.000, 350A3.000, 192B4.000, 198A2.000, 350A2.000, 955A3.000, 192A8.000, 198A6.000, 198A3.000, 940A3.000, 188A3.000, 939A2.000, 188B2.000, 323.02, 371.01, 937A2.000, 182B4.000, 182B9.000, 188A2.000, 188A7.000, 192A9.000, 186A6.000, 186A8.000, 192A1.000, 192A3.000, 192B1.000, 192A5.000, 186A9.000, 939A1.000, 199A5.000, 223A7.000, 223B1.000, 192A5.000, 937A5.000, 192B5.000, 182A7.000, 182A8.000, D20AA, 198A5.000, 939B3.000, 939B4.000, 940A4.000, 940A5.000, 940A7.000, 940A8.000, 838A8.000, 839A5.000, 839A6.000, 841C.000, 325.01, 342.02, 362.02, 841G.000, 841H.000, 841P.000, 939A3.000, 185A2.000, 185A6.000, Z19DT, Z19DTH, Z19DTJ, Z19DTL
Fiat	Punto, Grande Punto, Brava/Bravo Marea, Weekend, Stilo, Doblo/ Cargo, Multipla		
Lancia	Lybra, Thesys		
Opel	Vectra, Zafira, Astra, Insignia, Signum		

Engine item number	OEM item number			
	1 870 896 900 EN-46789	1 860 905 000 EN-46788 + 1 860 905 010	2 000 003 000 + 2 000 004 500	1 860 898 000
955A4.000, 350A3.000, 192B4.000	•		•	• (NO 192B4.000)
198A2.000, 350A2.000, 955A3.000, 192A8.000	•		•	• (NO 192A8.000)
198A6.000	•		•	•
198A3.000	•		•	•
940A3.000	•		•	•
188A3.000		•		•
939A2.000	•	•	•	
188B2.000, 323.02, 371.01, 937A2.000, 182B4.000, 182B9.000, 188A2.000, 188A7.000		•		•
192A9.000		•		•
186A6.000		•		•
186A8.000, 192A1.000		•		•
192A3.000		•		•
192B1.000, 192A5.000		•		•
186A9.000		•		•
939A1.000			•	
199A5.000			•	•
223A7.000, 223B1.000		•		•
192A5.000		•		•
937A5.000	•	•		
192B5.000		•		•
182A7.000		•		•
182A8.000		•		•
D20AA	•		•	•
198A5.000	•		•	•
939B3.000, 939B4.000, 940A4.000, 940A5.000, 940A7.000, 940A8.000	•		•	• (NO 939B3.000, 939B4.000)
838A8.000, 839A5.000, 839A6.000, 841C.000, 325.01, 342.02, 362.02		•		•
841G.000, 841H.000, 841P.000, 939A3.000	•	•		•
185A2.000		•		•
185A6.000		•		•
Z19DT		•		
Z19DTH, Z19DTJ, Z19DTL	•	•		



Safety Precautions - Please read

- Disconnect the battery earth leads (check radio code is available)
- Remove spark or glow plugs to make the engine turn easier
- Do not use cleaning fluids on belts, sprockets or rollers
- 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 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 camshaft and crankshaft timing positions.
- Crankshafts and Camshafts may only be turned with the chain drive mechanism fully installed.
- Do not turn crankshaft via camshaft or other gears
- Check the diesel injection pump timing after replacing the chain
- Observe all tightening torques
- Always refer to the vehicle manufacturer's service manual or a suitable proprietary instruction book
- Incorrect or out of phase engine timing can result in damage to the valves
- It is always recommended to turn the engine slowly, by hand, and to re-check the camshaft and crankshaft timing positions