

# Nissan Micra 1983-2002 Workshop Manual



## Removal

1. Remove sparkplugs for access to oil pan area.
2. Drain engine oil.
3. Remove camshaft member.
4. Remove front exhaust tube.



5. Remove oil pan bolts.
- (2) Insert Torx between cylinder block and oil pan.
  - Be careful not to damage aluminum mating surface.
  - Do not insert screwdriver, or oil pan flange will be deformed.



- (2) Strike Torx by tapping its side with a hammer, and remove oil pan.

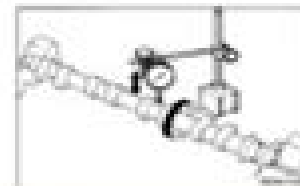
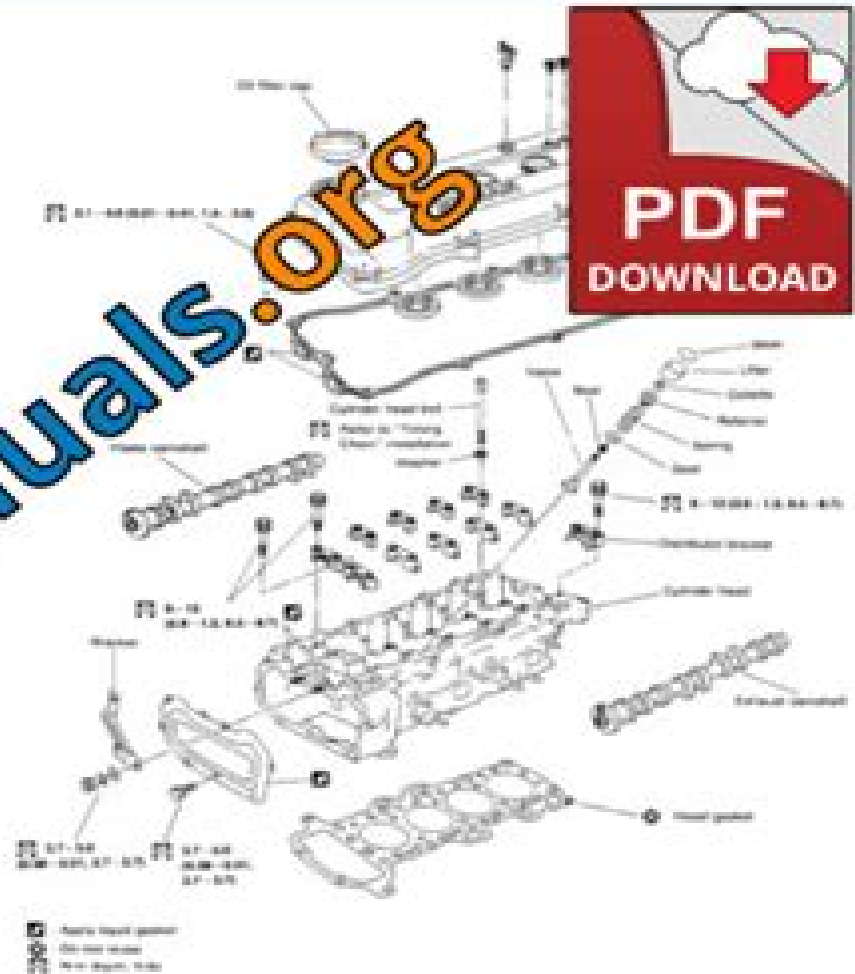


## Installation

1. Before installing oil pan, remove all traces of old gasket from mating surfaces using a scraper.
- Also remove traces of liquid gasket from mating surface of cylinder block.
2. Fit new seals as shown.
  - Length "L".
  - Front seal: 120 mm (4.72 in).
  - Rear seal: 120 mm (4.72 in).
3. Apply a thin coat of liquid gasket to mating surface.
  - Use Loctite Liquid Gasket or equivalent.
  - Apply liquid gasket in 5.0 to 4.5 mm (0.196 to 0.177 in) thick layer.



- Tighten bolts in sequence as shown.
- (2) 5.2 - 5.5 Nm (0.50 - 0.55 kg-m, 4.5 - 5.1 ft-lb)



## CAMSHAFT VISUAL CHECK

Check camshaft for scratches, scoring and wear.

## CAMSHAFT RUNOUT

1. Measure camshaft runout at the center journal.
  - Runout (Total indicator readings)
    - Standard: Less than 0.02 mm (0.0008 in)
    - Limit: 0.1 mm (0.004 in)
2. If it exceeds the limit, replace camshaft.



# Manual Nissan Micra K11

**Peter G. Strasman**



## **Manual Nissan Micra K11:**

*Nissan Micra (K11 Series) Service and Repair Manual* A. K. Legg, 1999      *Nissan Micra Service and Repair Manual* A. K. Legg, 2005 Hatchback K11 Series including automatic transmission N CVT models and special limited editions Does NOT cover new Micra range introduced for 2003 model year Petrol 1 0 litre 998cc 1 3 litre 1275cc 1 4 litre 1348cc      *Energy and Motorization in the Automotive and Aeronautics Industries* Tomasz Krynski, François Malburet, 2020-11-17 The book is intended for students in engineering school or university young engineers or newcomers in the automotive industry or aeronautics The objective is to describe in a simple and clear way the problem of energy and motorization for the automobile helicopters or airplanes The front end treatment of these industrial sectors makes it possible to analyze in an original way the similarities and differences of these different means of transport For this and based on current technologies and tomorrow it specifically describes the problem of the energy requirement of cars and aircraft The result is a search for an ideal motorization associated with the behavior of these different means of transport followed by the analysis of the performances of the various types of engines by covering gas turbines internal combustion engines and electric motors Transmission elements such as aerospace gearboxes or gearboxes are described as well as a chapter on energy storage means and their performance including batteries supercapacitors inertial or pneumatic storage hydrogen or fuels from fossil fuels A final chapter shows the interest and prospects of energy hybridization and electrification for the progressive replacement of fossil fuels Beyond the technological descriptions the book focuses on proposing basic sizing rules in order to justify certain performances and to give the reader the means to appropriate the basic know how of these industrial sectors      **HM**

**Nissan Micra 1983 - Jan 1993** C. Brown, 1988-11 Hatchback K10 series inc special limited editions Does NOT cover K11 series with 16 valve engines introduced January 1993 Petrol 1 0 litre 988cc 1 2 litre 1235cc 8 valve      **The Big Book of Tiny Cars** Russell Hayes, 2021-11-23 Richly illustrated and entertainingly written The Big Book of Tiny Cars presents lively profiles of the automotive world s most famous and infamous microcars and subcompacts from 1901 to today From tiny homes to little lending libraries and even tiny food people everywhere are resetting the premium they put on size Fact is the automotive industry has a tiny history going back to the car s earliest days Beginning with the Curved Dash Oldsmobile and continuing through prewar classics such as the Austin Seven and Hanomag Kommissbrot The Big Book of Tiny Cars is truly international in scope Witness diminutive cars like the Bond Minicar and the BMW Isetta introduced to fuel deprived postwar Europe and continue through the classic 1950s microcars and 70s subcompacts right up to today s tiny cars and electric vehicles EVs from the likes of Smart and Fiat In addition to iconic curiosities like the frog like Goggomobil Dart the futuristic Sebring Vanguard Citicar and the three wheeled Reliant Robin you ll read about more familiar classics like the VW Beetle Mini Cooper and Crosley Super Sport Other manufacturers represented include Honda Datsun Mitsubishi Trabant Heinkel Renault and Messerschmitt to name a few Each car is profiled with an entertaining and informative history and a fact box

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**Nissan Micra Owners Workshop Manual** M. R. Storey,2008 Hatchback K12 Series with petrol engines inc special limited editions Does NOT cover diesel models C C Coupe Convertible or facelifted range introduced October 2007 Petrol 1 0 litre 998cc 1 2 litre 1240cc 1 4 litre 1386cc Does NOT cover 1 6 litre petrol engines     Nissan Micra Automobile Nissan Jidōsha Kabushiki Kaisha,1985     **Das Schweizer Buch** ,1994     Nissan Owners Workshop Manual P. G. Strasman,1991

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