

# 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 T-bar between cylinder block and oil pan.
  - Be careful not to damage aluminum mating surfaces.
  - Do not insert screwdriver, or oil pan flange will be deformed.



- (2) Slide T-bar 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 wire brush.
- Also remove traces of liquid gasket from mating surface of cylinder block.
2. Fit new seals as shown. (2) Length "L".

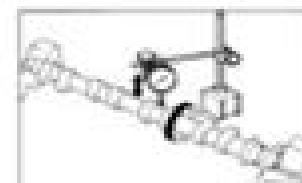
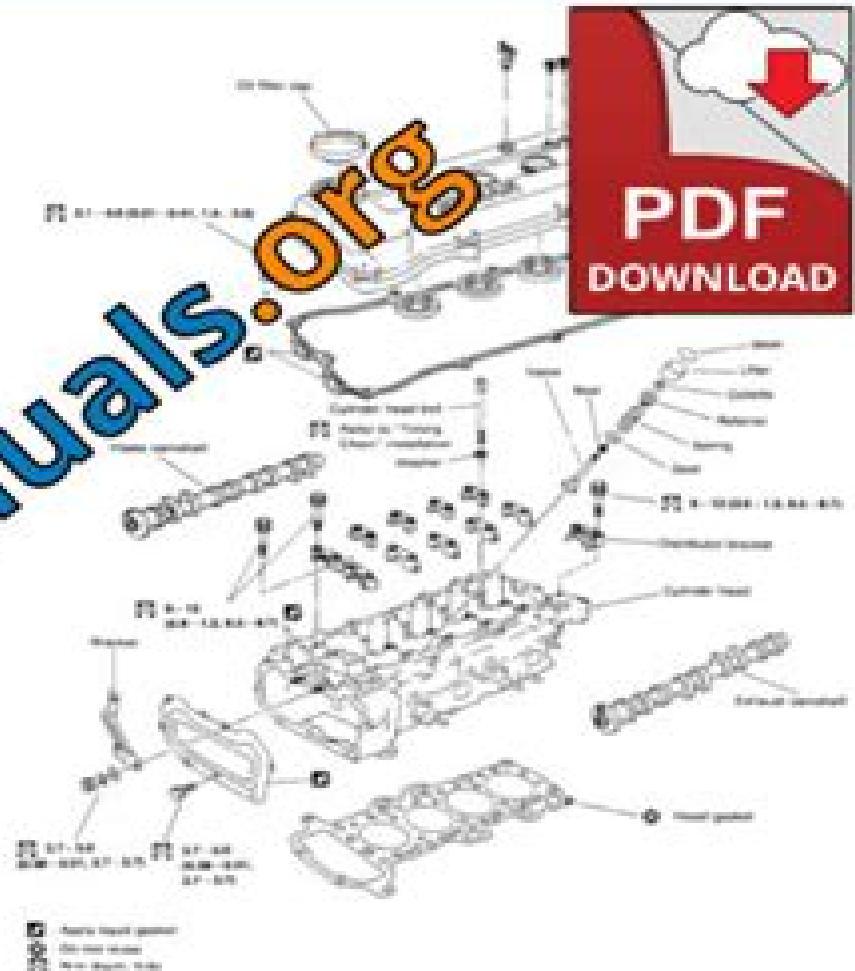
- Front seal: 120 mm (4.72 in.)
- Rear seal: 120 mm (4.72 in.)



3. Apply liquid gasket to mating surface.
- Use liquid gasket or equivalent.
- Apply liquid gasket in 2.0 to 4.0 mm (0.120 to 0.157 in.) thickness.



- Tighten bolts in sequence as shown.
- (2) 5.5 - 6.0 Nm (0.55 - 0.60 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.

# Micra K11 Manual

**A. K. Legg**



## **Micra K11 Manual:**

**Nissan Micra (K11 Series)** A. K. Legg,1996 Models covered Nissan Micra Hatchback including automatic transmission N CVT models and special limited editions 1 0 litre 998cc and 1 3 litre 1275 cc petrol engines **The Big Book of Tiny Cars** Russell Hayes,2021-12-21 The Big Book of Tiny Cars presents entertaining profiles of automotive history s most famous and infamous microcars and subcompacts from 1901 to today Illustrated with photos and period ads **Energy and Motorization in the Automotive and Aeronautics Industries** Tomasz Kryszinski,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 **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 **Nissan Micra Owners Workshop Manual** Colin Brown,1986 **Nissan Micra Owner's Workshop Manual** Anon,2013 **Nissan Micra (93-99) Service & Repair Manual** Andrew K. Legg,1999 *Nissan Micra Automobile* Nissan Jidōsha Kabushiki Kaisha,1985 Das Schweizer Buch ,1994 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 Service and Repair Manual** ,2015-08 This is one in a series of manuals for car or motorcycle owners Each book provides information on routine maintenance and servicing with tasks described and photographed in a step by step sequence so that even a novice can do the work **Honda NE/NB50**

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