

Chevrolet Cruze 2008-2016 Workshop Manual

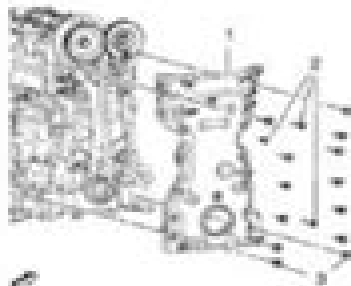
Special Tools

DT-47796 Seal Protector

For equivalent regional tools, refer to Special Tools.

Removal Procedure

1. Remove camshaft cover. Refer to Camshaft Cover Replacement.
2. Remove the drive belt tensioner. Refer to Drive Belt Tensioner Replacement.
3. Remove the camshaft pulley. Refer to Camshaft Pulley Replacement.
4. Remove the oil filter adapter. Refer to Oil Filter Adapter and Oil Cooler Assembly Replacement.
5. Remove the upper oil pan. Refer to Upper Oil Pan Replacement.
6. Remove the engine mount bracket. Refer to Engine Mount Bracket Replacement.
7. Remove the charge air control vacuum hose.



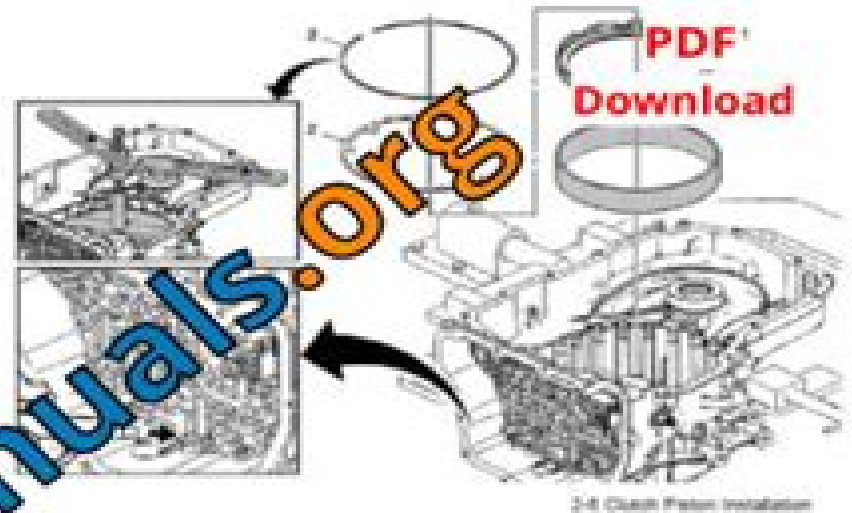
8. Remove 16 engine front cover retaining bolts (2, 3).

Note: Detach camshaft from engine block using suitable tool. Do not drop the camshaft.

9. Remove the engine front cover(s).

Installation Procedure

1. Remove any oil residue and gasket material from the case.
 2. Clean the front cover and front cover case.
- Note: Ensure that the seating surface is clean and free of oil residue and gasket material.
3. Clean oil seals from the bolt holes.
- Warning: Refer to Safety Cautions and Warnings for proper warning.
4. Dry the front cover and front cover case with compressed air.



Callout

Component Name

3-6 Clutch Piston Assembly

Note:

- Position the 3-6 piston air bleed and large slot toward the top of the case.
- DT-47796 seal protector prevents the piston seal lip from damage during DT-47796 seal protector to ease installation of the piston.

Special Tool

DT-47796 Seal Protector

For equivalent regional tools, refer to Special Tools.

3-6 Clutch Spring

3-6 Clutch Spring Retainer

Caution: Regulate the air pressure to 275 kPa (40 psi) maximum. High pressure the piston seals.

Note:

- Place the retainer on the 3-6 clutch spring and align the retainer opening at bottom of the case. The retainer opening should be supported by a spline.
- Apply shop air to the clutch fluid feed hole in the case to verify proper piston

2012 Cruze Workshop Manual

Rachel Sandford



2012 Cruze Workshop Manual:

Chevrolet Cruze Haynes Repair Manual Editors of Haynes Manuals,2020-05-26 Complete step by step repair and maintenance information 700 photos and wiring diagrams all based on a full disassembly and reassembly of the vehicle

Fundamentals of Automotive Technology Vangelder,2017-02-24 Revised edition of Fundamentals of automotive maintenance and light repair Kirk T VanGelder 2015 Chilton's General Motors Chevrolet Cruze 2011-15 Repair Manual Jeff Killingsworth,2016 Chevrolet Cruze Automotive Repair Manual ,2015-12 This is a maintenance and repair manual for the DIY mechanic The book covers the Chevrolet Cruze model from 2011 to 2015 **Red Panda** Angela R.

Glatston,2021-10-28 Red Panda Biology and Conservation of the First Panda Second Edition provides the most up to date research data and conservation solutions for the red pandas Ailurus species Since the publication of the previous edition in 2010 the International Union for Conservation of Nature IUCN updated the threat level of red pandas and they are now considered to be endangered This latest edition is updated to provide an in depth look at the scientific and conservation based issues urgently facing the red panda today Led by one of the world s leading authorities and advocates for red panda conservation this new edition includes data from the Population and Habitat Viability PHVA workshops conducted in three of the species range states Nepal China and India these workshops utilized firsthand information on the decrease of red panda populations due to factors including deforestation illegal pet trade human population growth and climate change This book also includes updated information from the first edition on reproduction anatomy veterinary care zoo management and fossil history Discusses the evidence for two species of red panda and how this might impact conservation efforts Reports on status in the wild looks at conservation issues and considers the future of this unique species Written by long standing red panda experts as well as those specializing in fields involving cutting edge red panda research Includes new chapters on topic including the impact of climate change how bamboo influences distribution and conservation in Bhutan and Myanmar

Citröen CX Owners Workshop Manual John Harold Haynes,A. K. Legg,1980-01-01 **1925 - 1926 Chevrolet Car, Pickup, & Truck Repair Shop Manual** GM Corporation,2020-05-10 This 1925 1926 Chevrolet Car Pickup Truck Repair Shop Manual is a high quality licensed PRINT reproduction of the service manual authored by General Motors Corporation and published by Detroit Iron This OEM factory manual is 8 5 x 11 inches paperback bound shrink wrapped and contains 152 pages of comprehensive mechanical instructions with detailed diagrams photos and specifications for the mechanical components of your vehicle such as the engine transmission suspension brakes fuel exhaust steering electrical and drive line Service repair manuals were originally written by the automotive manufacturer to be used by their dealership mechanics The following 1925 1926 Chevrolet models are covered Superior Superior Truck This factory written Detroit Iron shop manual is perfect for the restorer or anyone working on one of these vehicles *Chevrolet Cruze* Editors of Haynes Manuals,2016-05-15 Complete coverage for your Chevrolet Cruze for 2011 2015 Does not include information specific to

diesel models Routine Maintenance and servicing Tune up procedures Engine clutch and transmission repair Cooling system Fuel and exhaust Ignition and electrical systems Brakes wheels and tires Steering suspension and final drive Frame and bodywork Wiring diagrams Reference Section With a Haynes manual you can do it yourself from simple maintenance to basic repairs Haynes writes every book based on a complete teardown of the vehicle We learn the best ways to do a job and that makes it quicker easier and cheaper for you Our books have clear instructions and hundreds of photographs that show each step Whether you re a beginner or a pro you can save big with Haynes Step by step procedures Easy to follow photos Complete troubleshooting section Valuable short cuts Color spark plug diagnosis

Chevrolet Astro & GMC Safari
Mini-vans Automotive Repair Manual Ken Freund, John Harold Haynes, J. H. Haynes, 1999 Chevrolet GMC Mini Vans 1985 1998 Repair Manual Haynes Sftbd 8 1 4x 1 3 4 317 pgs 76 b w ill

Citroën AX Owners Workshop Manual A. K. Legg, 1994

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