

Mitsubishi Colt 2002-2008 Workshop Manual

15-2

INTAKE AND EXHAUST
AIR INTAKE SYSTEM

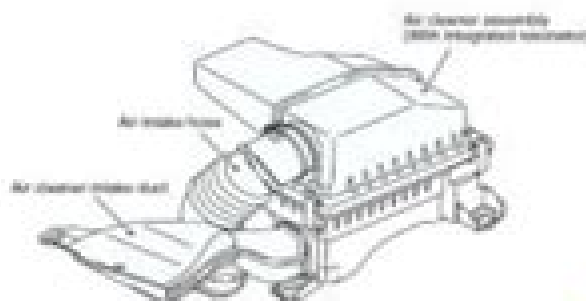
AIR INTAKE SYSTEM

AIR DUCT AND AIR CLEANER <124, 125>

Best tuning by means of following component contributes higher engine performance and vehicle silence with simple system.

- Air cleaner intake duct with restriction
- Resonator integrated air cleaner
- Cool air intake

CONSTRUCTION DIAGRAM



AIR DUCT AND AIR CLEANER <838>

The air intake system consists of the air cleaner intake duct, the air cleaner assembly, the air cleaner air flow sensor, and the air intake hose.

CONSTRUCTION DIAGRAM



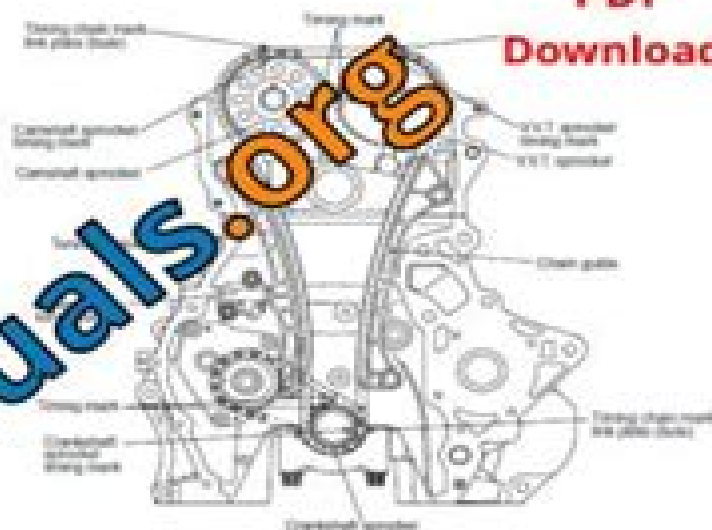
INTERCOOLER

By mounting an intercooler to reduce the intake air temperature after boosting, engine output has been improved.

ENGINE MECHANICAL <124>
BASE ENGINE

11A-13

TIMING CHAIN TRAIN

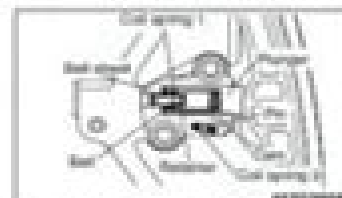


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The 2 camshafts are driven by the timing chain via the respective sprockets. The timing chain, consisting of 122 links, is an endless chain, connecting the crankshaft sprocket with the camshaft and VVT sprockets. The timing chain is equipped with 3 mark line plates (blue) to correctly time the 3 sprockets with each other. The timing chain is tensioned by the timing chain tensioner, which has a built-in plunger with plunger springs.

Item	No. of teeth
Camshaft sprocket	50
VVT sprocket	50
Crankshaft sprocket	18

TIMING CHAIN TENSIONER



The plunger in the timing chain tensioner directly pushes the tension lever, and the pressure automatically adjusts the timing chain tension. A cam is provided to lock the plunger in place after the engine stops. This helps prevent the timing chain from wobbling just after the engine starts. With the timing chain tensioner installed, do not crank the engine in the reverse direction. This will force the plunger to overcome the cam, or even cause other problems.

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Rose Army



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Subject Guide to Books in Print ,2001 **Whitaker's Books in Print** ,1998 **Australian National Bibliography** ,1973 *Pemeliharaan Sasis dan Pemindah Tenaga Kendaraan Ringan SMK/MAK Kelas XII. Program Keahlian Teknik Otomotif. Kompetensi Keahlian Teknik Kendaraan Ringan Otomotif (Edisi Revisi)* Z. Furqon, S.T., Drs. Joko Pramono, 2021-04-13 Buku yang berjudul *Pemeliharaan Sasis dan Pemindah Tenaga Kendaraan Ringan SMK MAK Kelas XII* ini hadir sebagai penunjang pembelajaran pada Sekolah Menengah Kejuruan Teknik Otomotif Kompetensi Keahlian Teknik Kendaraan Ringan Otomotif Buku ini berisi materi pembelajaran yang membekali para siswa dengan pengetahuan dan keterampilan dalam dunia otomotif yang mengacu pada Kurikulum 2013 revisi tahun 2017 Materi yang dibahas dalam buku ini meliputi beberapa hal berikut Mendiagnosis kerusakan kopling Mendiagnosis kerusakan transmisi Mendiagnosis kerusakan poros Mendiagnosis kerusakan sistem rem Mendiagnosis kerusakan pada sistem suspensi Mendiagnosis kerusakan pada sistem kemudi Mendiagnosis pelek Mengevaluasi perbaikan sasis dan pemindah tenaga Berdasarkan materi yang telah disajikan para siswa diajak untuk melakukan aktivitas HOTS Higher Order Thinking Skills dengan cara menanya mengeksplorasi mengamati mengasosiasikan dan mengomunikasikan Buku ini dilengkapi dengan latihan soal berupa pilihan ganda esai dan tugas proyek Hal ini bertujuan untuk mengukur kemampuan siswa dalam memahami materi Selain itu buku ini juga dilengkapi dengan info untuk menambah pengetahuan para siswa Kebutuhan akan buku ini sejalan dengan tuntutan kompetensi SMK MAK bidang teknik otomotif Dengan demikian kami berharap bahwa siswa dapat mencapai kompetensi yang diharapkan dan lulusan SMK MAK dapat mempersiapkan diri dengan baik ketika memasuki dunia kerja *Mitsubishi Colt RE Series Service Manual* ,1988 **Autocar** ,2006 **1983 Imported Cars & Trucks Tune-up Mechanical Service & Repair** Mitchell Manuals, inc,1984 **RB/RC Series Colt Service Manual** ,1983 **The Car Show** Nicolae Sfetcu, 2014-04-27 This e book details the most interesting and important characteristics of the automobiles car maintenance styling features car body style the standard classification of the cars an history of the automobiles introduction in the automotive industry and the traffic code rules and signs An automobile usually called a car an old word for carriage or a truck is a wheeled vehicle that carries its own engine Older terms include horseless carriage and motor car with motor referring to what is now usually called the engine It has seats for the driver and almost without exception for at least one passenger The automobile was hailed as an environmental improvement over horses when it was first introduced Before its introduction in New York City over 10 000 tons of manure had to be removed from the streets daily However in 2006 the automobile is one of the primary sources of worldwide air pollution and cause of substantial noise and health effects *Moody's International Manual* ,1996 *Whitaker's Book List* ,1991 **Motor Cycling and Motoring** ,1987 *Books in Print Supplement* ,1988 *Lemon-Aid Used Cars and Trucks 2009-2010* Phil Edmonston, 2009-02-16 For the first time in one volume Phil Edmonston Canada s automotive Dr Phil covers all used vehicles packing this guide with insider tips to help

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web tables of material properties the tables below provide properties of common engineering materials the material property data provided are intended to be representative of the material described the provided values tend toward the conservative end of the spectrum and could be used as baseline design values for preliminary design

aisi 316 stainless steel properties ss 316 grade world material - May 25 2022

web the data sheet below shows ss 316 material physical properties such as density melting point thermal conductivity thermal expansion magnetic modulus of elasticity specific heat capacity etc 316 magnetic properties type 316 steel is not magnetic but may be weakly magnetic after cold working ss316 heat resistance

5 mechanical properties and performance of materials - Jul 07 2023

web mechanical properties and performance of materials samples of engineering materials are subjected to a wide variety of mechanical tests to measure their strength elastic constants and other material properties as well as their performance under a variety of actual use conditions and environments

online materials information resource matweb - Aug 08 2023

web material property database with data sheets of thermoplastic and thermoset polymers such as nylon polycarbonate polyethylene metal alloys aluminum steel titanium nickel cobalt and zinc alloys ceramics lubricants free search tools

steel standards standards products standards publications - Mar 03 2023

web steel standards astm s steel standards are instrumental in classifying evaluating and specifying the material chemical mechanical and metallurgical properties of the different types of steels which are primarily used in the production of mechanical components industrial parts and construction elements as well as other accessories

engineering materials specifications and characteristics tables - Feb 19 2022

web material terms and definitions definitions related to engineering materials and metals metal melting temperatures melting point of a substance depends on pressure properties of metals thermal metals in general have high electrical conductivity high thermal conductivity and high density