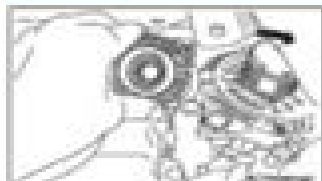


Mitsubishi Lancer 2008-2014 Workshop Manual



CRANKSHAFT PULLEY REMOVAL

When removing the crankshaft pulley, slightly loosen the water pump pulley mounting bolts before removal of the drive belt.



AUTO-TENSIONER REMOVAL

Loosen the mounting bolt of generator assembly lower part, and remove the mounting bolt of generator assembly upper part. Slide the generator assembly, and remove the auto-tensioner.



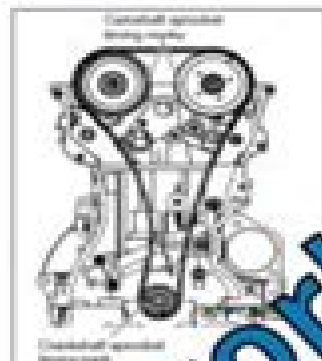
TIMING CHAIN CASE ASSEMBLY REMOVAL

CAUTION

If the adhesive strength of sealant on the timing chain case assembly is so strong that the force may be damaged by peeling off, do not peel it off forcibly.

1. After removing the timing chain case assembly mounting bolts, slightly pry the base of the timing chain case assembly shown in the figure using a flat-faced screwdriver, and remove the timing chain case assembly from the cylinder head and cylinder block.

2. If the sealant cannot be peeled off easily, insert a wooden hammer stick into the timing chain case assembly inside as shown in the figure, pry slightly, and remove the timing chain case assembly from the cylinder head and cylinder block.



TIMING CHAIN TENSIONER REMOVAL

1. Temporarily install the crankshaft pulley on the crankshaft.

CAUTION

Never turn the crankshaft by hand.

2. Turn the crankshaft so that the sprocket timing marks (as shown in the figure) on the number 1 cylinder to the top dead center (TDC) stroke.
NOTE: It is necessary that the link plate (arrow) on the timing chain always aligns with each sprocket.

3. Remove the crankshaft pulley installed temporarily.

4. Using a flat-faced precision screwdriver, release the ratchet of timing chain tensioner.

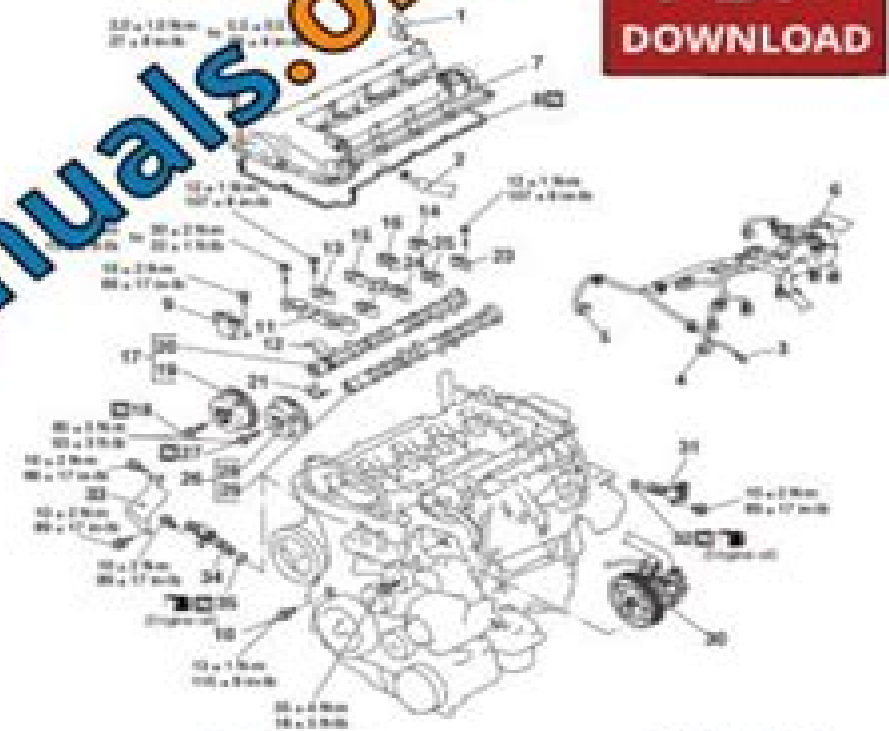
5. Compress the plunger of timing chain tensioner and insert hard wire (such as piano wire) or the L-shaped hexagon wrench (1.5 mm) (2) into to fix the plunger of the timing chain tensioner.

6. Remove the timing chain tensioner.

REMOVAL AND INSTALLATION

- Pre-removal Operation**
- Engine Room Cover: Cover Front A, B and Engine Room Side Cover (2) Removal (Refer to (MOPUP) 11, Lower Cover P 15-22)
 - Air Cleaner Assembly Removal (Refer to (MOPUP) 15, Air Cleaner P 15-1)
 - Charge Air Cooler: Inlet Air Hose & Removal (Refer to (MOPUP) 15, Charge Air Cooler P 15-1)
 - Water Pump Removal (Refer to (MOPUP) 15, Water Pump P 15-1)
 - Ignition Coil Removal (Refer to (MOPUP) 15, Ignition Coil P 15-2)

- Post-Installation Operation**
- Ignition Coil: Install Ignition Coil (Refer to (MOPUP) 15, Ignition Coil P 15-2)
 - Water Pump: Install Water Pump (Refer to (MOPUP) 15, Water Pump P 15-1)
 - Charge Air Cooler: Inlet Air Hose & Removal (Refer to (MOPUP) 15, Charge Air Cooler P 15-1)
 - Air Cleaner Assembly: Install Air Cleaner Assembly (Refer to (MOPUP) 15, Air Cleaner P 15-1)
 - Engine Room Cover: Cover Front A, B and Engine Room Side Cover (2) Removal (Refer to (MOPUP) 11, Lower Cover P 15-22)



Crankshaft removal steps

1. Breather hose connection
2. PCV hose connection
3. Power steering fluid pressure switch connector connection
4. Inlet air filter control valve connector connection
5. Exhaust air filter control valve connector connection
6. Control harness connection
7. Rocker cover assembly
8. Rocker cover gasket

Crankshaft removal steps

1. Crankshaft sprocket bolt
2. Crankshaft sprocket (external side)
3. Crankshaft (external side)
4. Crankshaft bearing cap (crank side)
5. Crankshaft bearing cap (crank side)
6. Crankshaft bearing cap (crank side)
7. Crankshaft bearing cap (crank side)
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25. Crankshaft bearing cap (crank side)



Mitsubishi Lancer Workshop Manual

Larry Warren



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The Enigmatic Realm of **Mitsubishi Lancer Workshop Manual**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing lacking extraordinary. Within the captivating pages of **Mitsubishi Lancer Workshop Manual** a literary masterpiece penned by way of a renowned author, readers set about a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book is core themes, assess its distinct writing style, and delve into its lasting affect the hearts and minds of those that partake in its reading experience.

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b pressure test procedures when you pressure test the bop system you must conduct a low pressure test and a high pressure test for each bop component excluding test rams and non sealing shear rams you must begin each test by conducting the low pressure test then transition to the high pressure test

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there are two elements to the pre job well site pressure test 1 wireline valve wlv pressure function test the tests should be performed on the test stump prior to rigging up and involves testing the pressure integrity of the wlv and the individual closed ram assemblies and the ram assembly functionality under pressure

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the purpose of bop stack function and pressure testing is to verify the hydraulic integrity of all the components of the bop stack at their rated working pressure in this article we will discuss the function test and pressure test procedure using cup tester

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all elmar wireline pressure control equipment is certified to be manufactured following api6a specifications to inhibitors for the pressure test the pressure test procedure for each assembly is stated on each assembly drawing equipment is stripped down rebuilt with new elastomers including bop ram outer seals and quick

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aug 12 2015 section 6 2 3 2 2 a advises what the minimum nominal i d for choke lines by pressure rating only for pressure rated systems 10k and above is a 3 in nominal i d choke line required for 4 inch and 7 inch through bore bop equipment no 4 inch up to but not including 7 1 16 inch bore equipment is not addressed in api 53 or api 16a 53

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pressure all bop equipment tests must include a low pressure test of 250 psi before proceeding to the full pressure test test pressure held and recorded for a minimum of five minutes after full pressure has been established represents a satisfactory pressure test ensure rotary bushings are locked if left in place where h2s is present all

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7 31 body pressure test procedure 1 locate the test plug and test cap on to their appropriate ends 2 bleed off all air within the assembly 3 ensure all external surfaces are dry 4 pressure test to test pressure for 3 minutes 5 reduce pressure to zero and repeat test for 15 minutes minimum no leakage acceptable 7 32 bop manifold test

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feb 14 2011 1 prior to supping the well or the first time that bop is installed on the well 2 after repairing or disconnecting of any pressure sealing elements of bop 3 as per mms you can use bop for 21 days 3 weeks before you need to test it

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apr 17 2023 bop test plan bop testing consists of several pressure tests with different valve line ups in order to test all the components of the bop system careful planning is required to ensure all components are tested and in a minimum number of pressure tests in order to ensure efficient execution of drilling operations

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dec 27 2021 bop testing procedures operators must periodically pressure test and function test bop stack components which decreases efficiency of drilling operations bop pressure tests are performed at regular intervals typically ranging from 14 to 30 days as set by local regulatory bodies

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a wireline bop must always be installed between the wellhead and wireline lubricators this bop is a piece of pressure control equipment that can close around the wire and seal off the well pressure below it this enables the pressure to be bleed off above it allowing work or repairs to be carried out on equipment above the bop without pulling

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this unit is a pressure test system intended for pressure testing 5 000 10 000 and 15 000 psi rated pressure control equipment to maximum working pressure before performing intervention work the unit is intended for use in atex zone 1 hazardous environments and complies to norsok regulations

irp 13 wireline operations energy safety canada - Jan 11 2023

the scope of irp 13 is to define recommended practices for the selection implementation and maintenance of pressure control equipment for land based wireline operations in canada this includes all types of wireline i e slickline braided line and coated line