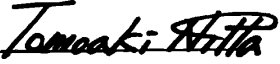




SERVICE BULLETIN

QUALITY INFORMATION ANALYSIS
OVERSEAS SERVICE DEPT. MITSUBISHI MOTORS CORPORATION

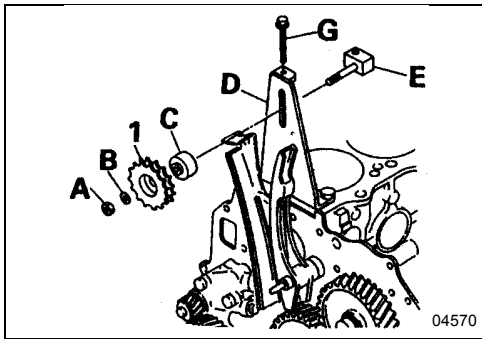
SERVICE BULLETIN		No.: MSB-99E11-505	
		Date: 1999-11-15	<Model> (EC,EXP) PAJERO (V10,V20,V30,V40)
Subject: ADDED DESCRIPTION OF TIMING CHAIN CLEARANCE MEASUREMENT		<M/Y> 99-10	
Group: ENGINE		Draft No.: 99EN531510	
CORRECTION	INTERNATIONAL CAR ADMINISTRATION OFFICE	 T.NITTA - PROJECT LEADER AFTER SALES SERVICE & CS PROMOTION	

1. Description:

Under TIMING CHAIN INSTALLATION, a description has been added of the timing chain clearance measurement.

2. Applicable Manuals:

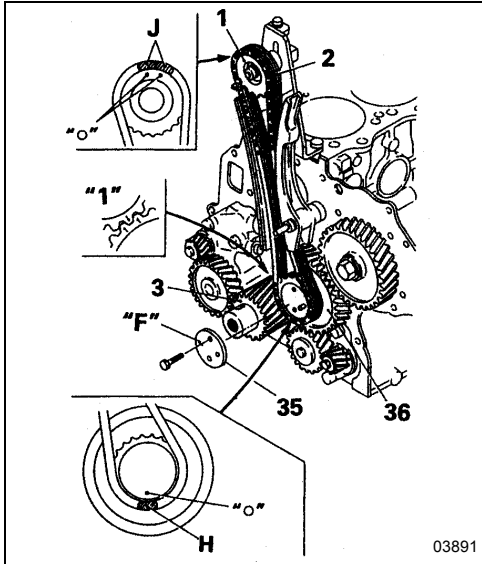
Manual	Pub. No.	Language	Page(s)
Engine 4M4 Series Workshop Manual	PWEE9409	(English)	11A-19-9
	PWES9410	(Spanish)	
	PWEF9411	(French)	
	PWEG9412	(German)	
	PWED9413	(Dutch)	
	PWEW9414	(Swedish)	



► G ◀ TIMING CHAIN INSTALLATION

- (1) Hold the cam sprocket **1** using the special tool.
Component Parts of Special Tool MH062381-Cam Sprocket Holder Kit.

A: Nut
B: Washer
C: Spacer
D: Adjusting plate
E: Nut
G: Bolt

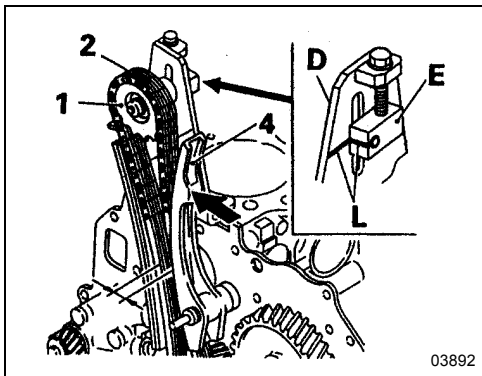


- (2) Check that the match mark "1" on the idler gear and sprocket assembly **36** is in alignment with that on the crankshaft gear ***3**.
(3) Align the match mark "o" on the idler gear and sprocket assembly **36** with the mark link plate H of the timing chain **2**.

NOTE

The timing chain **2** has the match mark provided at two places: one bright white link plate **H** at one place and a pair of bright white link plates **J** at the other.

- (4) Place the timing chain **2** around the cam sprocket **1** while aligning the timing mark "o" on the cam sprocket **1** with the mark link plate **J** on the timing chain **2**.
(5) Attach the idler washer **35** with the front mark "F" facing outward.



- (6) With the stamped lines **L** on the adjusting plate **D** and nut **E** in alignment, set the cam sprocket **1** in the normal operating position. Push the tension lever **4** by hand to take up the slack of the timing chain **2**.
(7) Measure the clearance **K** of the timing chain **2** stretched. If the reading deviates the specified standard limit, replace the timing chain.

Standard value: 16.5 mm
Limit: 9.0 mm

<Added>

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Measurement should be carried out at a narrow inside area of the timing chain.

