SERVICE TRAINING AND PUBLICATION BULLETIN

No.: OB- 9704
010
Date : 2019/10/29

TRAINING	
PUBLICATION	■
INFORMATION	
ADVANCE ORDER	
OTHERS	

APPLICABLE COUNTRIES:

	ALL COUNTRIES		N. AMERICA	■	GENERAL COUNTRIES, EUROPE
	Other				

To: Service Manager

CORRECTION TO
- [x] REPAIR MANUAL
- [ ] ELECTRICAL WIRING DIAGRAM
- [ ] NEW CAR FEATURES
- [ ] BODY REPAIR MANUAL
- [ ] SERVICE DATA SHEET

The following manual has revised service information:

Pub. No.: **RM26T9E** Pub. Name: **TOYOTA HIACE Repair Manual**

Section	Title	Paragraph
2TR-FE ENGINE MECHANICAL	CAMSHAFT(w/ Dual VVT-i)	INSTALLATION (2015/01 - 2019/08)

The revised pages listed above are attached.
(The corrected parts are indicated by arrows.)

Please attach the accompanying revised pages to the applicable pages in the manual above.

This Bulletin does not cause the Flat Rate Manual to be changed.

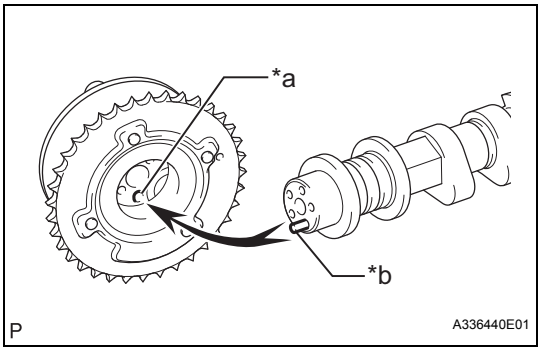
This bulletin is also available on the OASIS Global Service Information Center.
Inquiries : BM_correction_information@mta.mx.toyota.co.jp

KEEP IN BINDER TOGETHER WITH SERVICE PUBLICATIONS GUIDE

TOYOTA QUALITY SERVICE

TOYOTA MOTOR CORPORATION
SERVICE ENGINEERING DEPARTMENT
TECHNICAL SERVICE DIVISION
CUSTOMER FIRST PROMOTION GROUP

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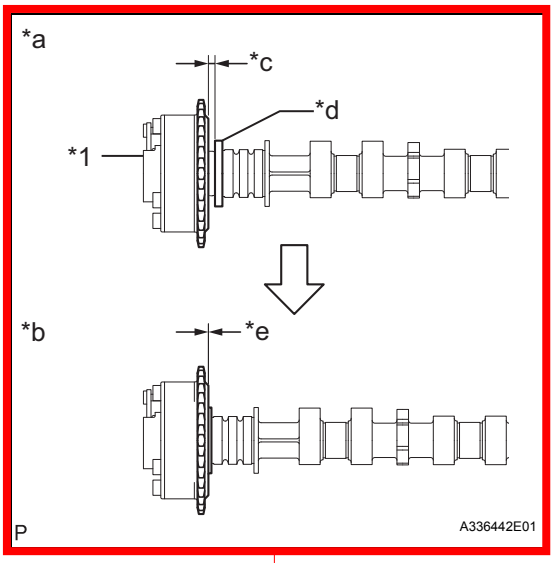


(b) Align and attach the straight pin of the No. 2 camshaft with the straight pin hole of the camshaft timing exhaust gear assembly.

Text in Illustration

*a	Straight Pin Hole
*b	Straight Pin

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(c) Check that there is no clearance between the camshaft timing exhaust gear assembly and camshaft flange.

Text in Illustration

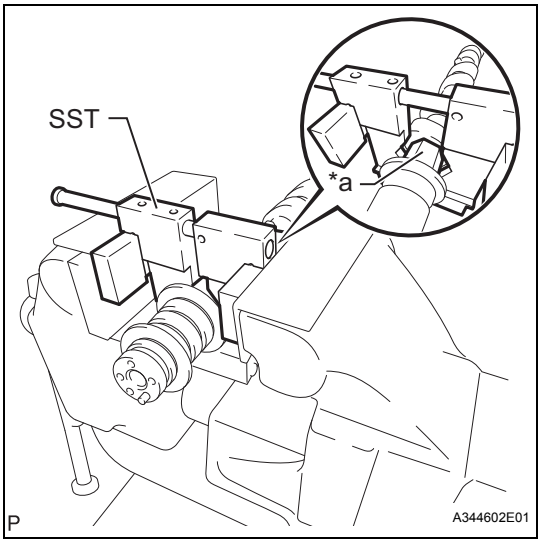
*1	Camshaft Timing Exhaust Gear Assembly
*a	INCORRECT
*b	CORRECT
*c	Clearance
*d	Camshaft Flange
*e	No Clearance

NOTICE:
Be sure not to remove the other 4 bolts. If removing the bolts, exchange the camshaft timing exhaust gear assembly.

(d) Fix the camshaft timing exhaust gear assembly with the flange bolt.
Torque: 78 N*m (795 kgf*cm, 58 ft.*lbf)

2. INSTALL CAMSHAFT TIMING GEAR ASSEMBLY

HINT:
Perform "Inspection After Repairs" after replacing the camshaft timing gear assembly (See page).

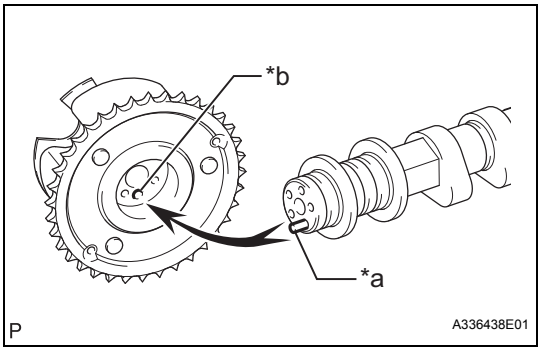


(a) Using SST, grip the hexagonal portion, and then secure the SST and camshaft in a vise as shown in the illustration.
SST 09212-31010

Text in Illustration

*a	Hexagonal Portion

NOTICE:
- **Do not damage the camshaft.**
- **Never grip areas other than the hexagonal portion, as this may cause damage.**



(b) Align the straight pin hole and straight pin and install the camshaft timing gear assembly to the camshaft.

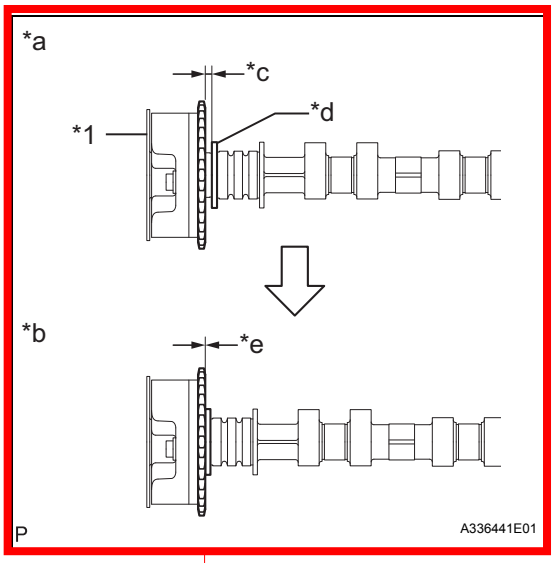
Text in Illustration

*a	Straight Pin
*b	Straight Pin Hole

(c) Lightly press the gear against the camshaft and turn the gear. Push further at the position where the straight pin enters the straight pin hole.

NOTICE:

Be sure not to turn the camshaft timing gear assembly in the retard direction (the right angle).



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(d) Check that there is no clearance between the camshaft timing gear assembly and the flange of the camshaft.

Text in Illustration

*1	Camshaft Timing Gear Assembly
*a	INCORRECT
*b	CORRECT
*c	Clearance
*d	Camshaft Flange
*e	No Clearance

NOTICE:

- **Since the thrust clearance of the camshaft is small, the camshaft must be kept level while it is being removed. If the camshaft is not kept level, the portion of the cylinder head receiving the shaft thrust may crack or be damaged, causing the camshaft to seize or break.**
- **Be sure not to remove the other 3 bolts. If removing the bolts, exchange the camshaft timing gear assembly.**

(e) With the camshaft timing gear assembly fixed in place, install the flange bolt.

Torque: 78 N*m (795 kgf*cm, 58 ft.*lbf)

(f) Check that the camshaft timing gear assembly can move in the retard direction (the right angle), and is locked at the most retarded position.

3. INSTALL CAMSHAFT AND NO. 2 CAMSHAFT

HINT:

Perform "Inspection After Repairs" after replacing the camshaft or No. 2 camshaft (See page).