



Category No.	<b>Tool Equipment</b>	Ref. No. T002/10	Page 1 of 5
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date issued September 24, 2010	
Please convey this information to your <input type="checkbox"/> Warranty Dept. <input checked="" type="checkbox"/> Parts Dept. <input checked="" type="checkbox"/> Training Dept. <input checked="" type="checkbox"/> Field Rep		Date Revised	
Applicable Model  RX-8(SE, FE)		Applicable Country or Specification  Worldwide	

## Subject: New Special Service Tool for RX-8(SE, FE)

### Legend:

Category	Usage	Purchase necessity
A	Normal service	For all dealers
B	Overhauls, less frequent operations or specialized operations at distributors	Optional for dealers

## ENGINE

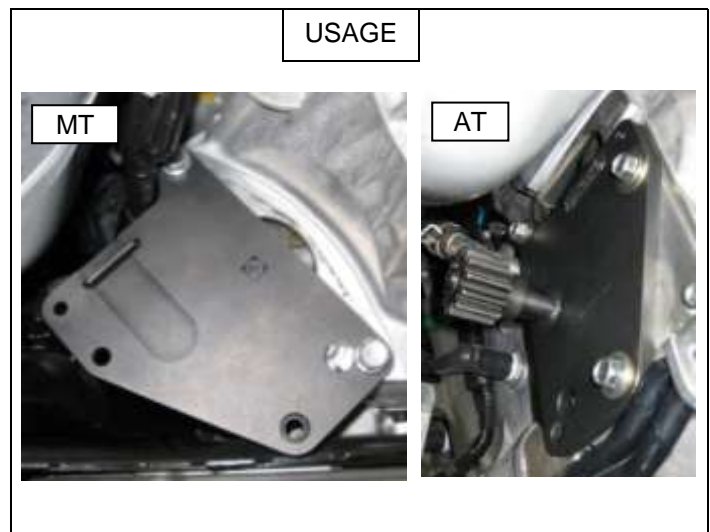
### 1. HOLDER (49F011106)

**CATEGORY: B**

[APPLICABLE MODEL / PART]      RX-8

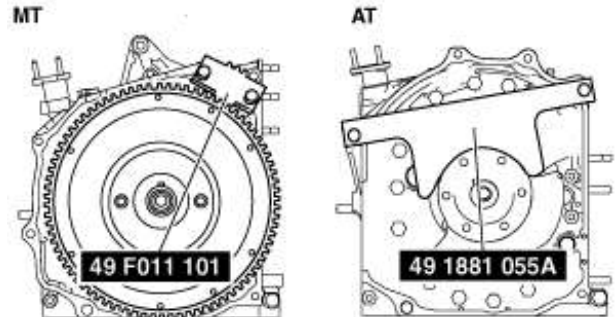
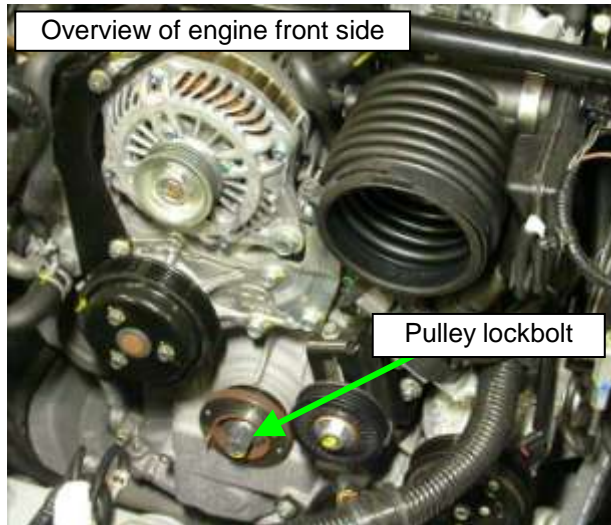
[APPLICATION]                      To hold the eccentric shaft on vehicle

[REASON ESTABLISHED]            To improve the serviceability and shorten the repair time  
(Please refer to the next page for detail information.)



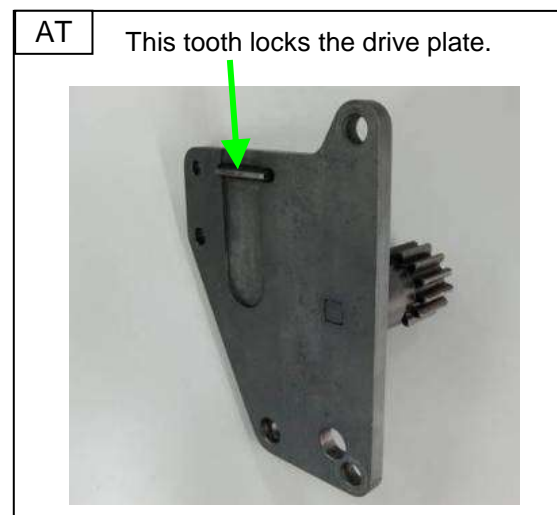
## Detail Information

### The reason for establishing new SST



When the front oil seal needs to be replaced, the pulley lockbolt has to be removed. Since the tightening torque of the pulley lockbolt is high (254 - 294Nm), it is almost impossible to hold the eccentric shaft from the pulley side. Therefore, the engine/transmission has to be removed and hold the eccentric shaft from the flywheel (MT) or the counterweight (AT) by using the existing SSTs (49 F011 101 or 49 1881 055A). New SST is established to hold the eccentric shaft easily on vehicle.

### Overview of SST (One side is for MT and the other side is for AT)



This new SST works for both MT and AT.

**Usage of SST**

Remove the starter and set the SST using the starter installation bolts.

(Please refer to the workshop manual for the procedure of starter removal.)

MT



Hold the flywheel with this gear.

Set SST



AT



Hold the drive plate with this tooth.

Set SST

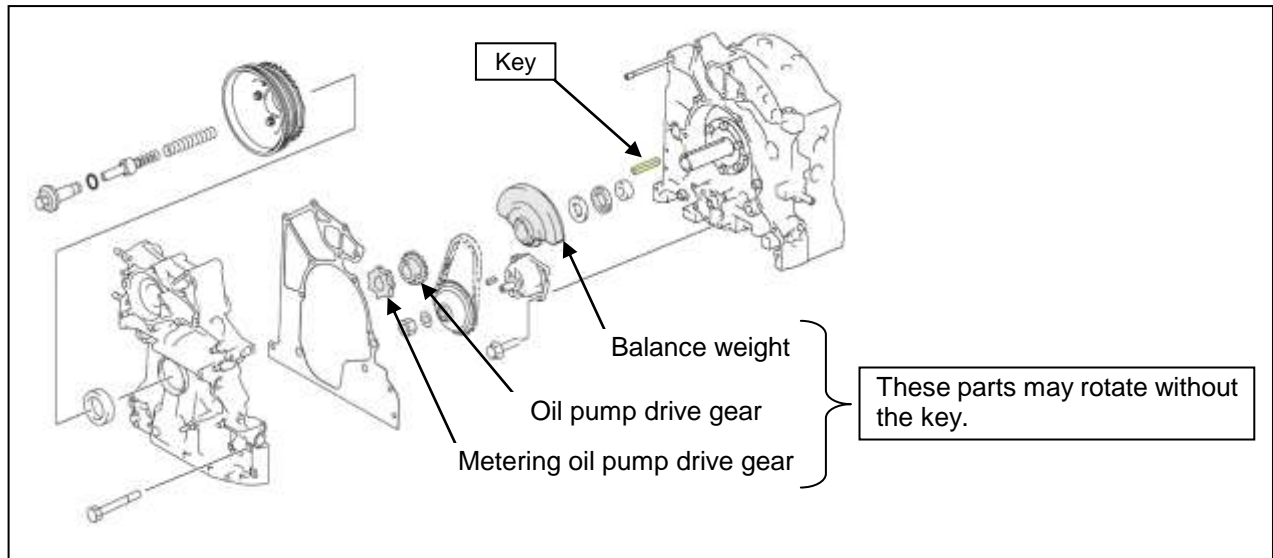
**Caution:**

Never use this SST on any models other than RX-8. Improper usage will damage the vehicle and the SST.

## Caution about the replacement of front oil seal on vehicle

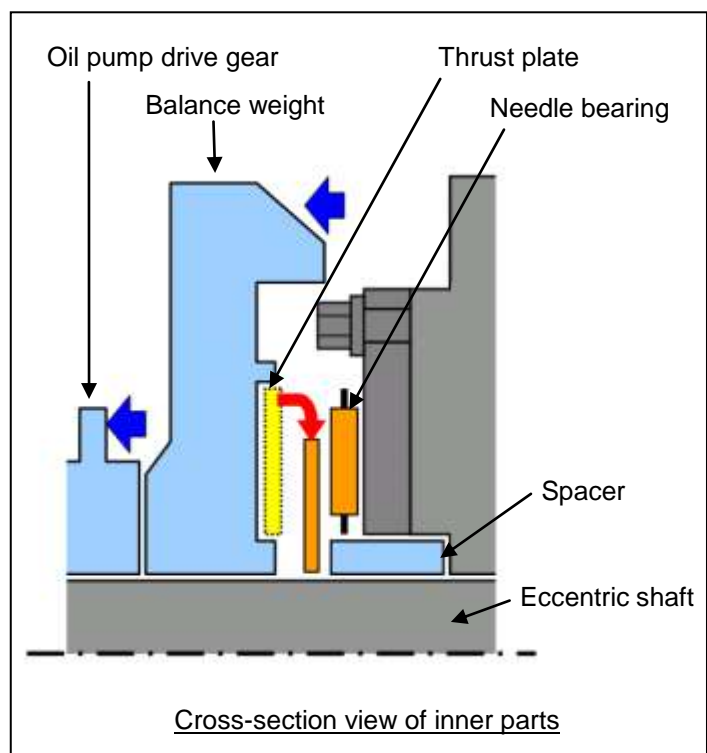
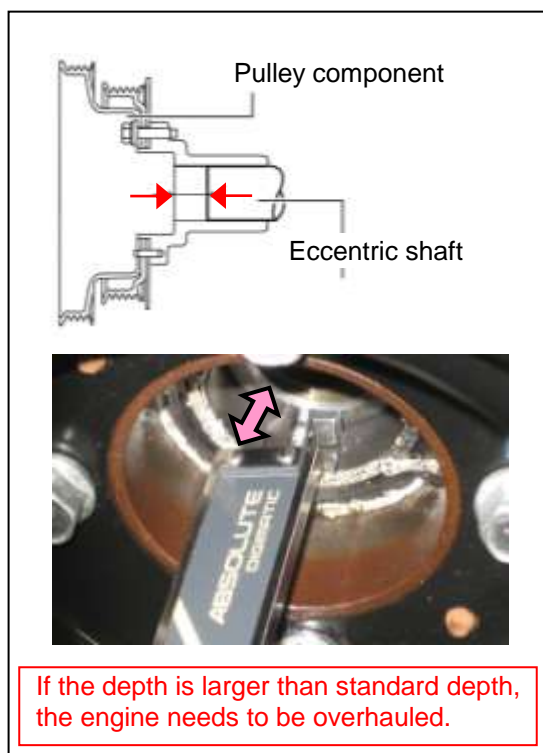
### Keep the key in place

When the pulley component is removed, the key must hold and be in place by a flathead screwdriver. Once the key is out of the position, it may not be able to be re-installed due to the inner parts rotating.



### Check out if the inner parts are in place

After installing the pulley component, measure the depth indicated in the lower left picture. If it is larger than standard depth (10.34 – 11.14mm, 0.4071 - 0.4385 in), the thrust plate or the needle bearing may move to improper position. If the inner parts on the eccentric shaft (e.g. the balance weight) that are held by the pulley component move like blue arrows in the picture, the thrust plate or the needle bearing may fall off like a red arrow and be pinched between the spacer and the balance weight. Once it is occurred, the engine needs to be overhauled.



**WEIGHT:**

NO.	TOOL NO.	DESCRIPTION	QTY	WEIGHT (Kg)
1	49 F011 106	HOLDER	1	1.27

**TO ORDER:**

Contact SPX  
01327 303400

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