

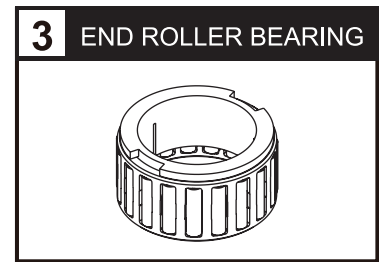
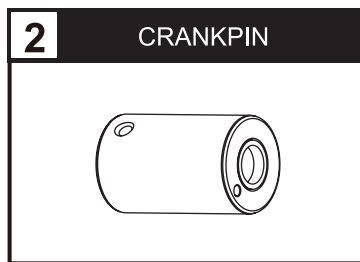
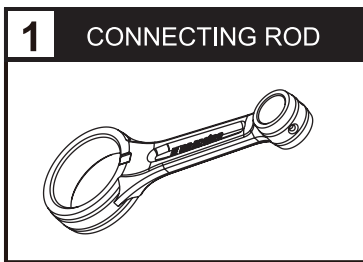
Thank you for purchasing this product. Please read the instruction carefully for details.



### ATTENTION

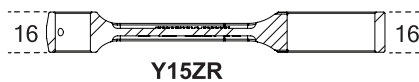
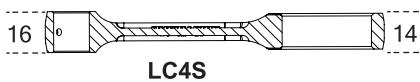
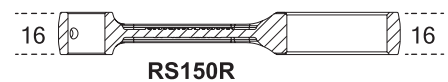
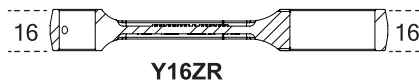
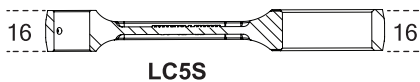
1. Upon installation make sure the environment is clean as it may affect its precision.
2. We shall not be held liable and shall not accept any liability, obligation or responsibility whatsoever for any damage on the item during assembly and disassembly.

## 1 PARTS INCLUDED



## 2 SPECIFICATIONS

### 1. CONNECTING ROD WIDTH

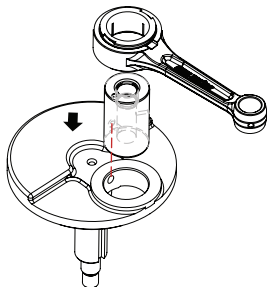


## 3 INSTALLATION PROCEDURES



**DO NOT APPLY GREASE TO INSTALL END ROLLER BEARING AND CRANKPIN**

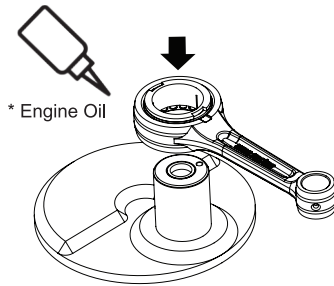
### STEP 1



- \*Insert crankpin (Accessory 2) to crankshaft journal using hydraulic press machine.
- \*Please be aware that hole at the crankpin must parallel and align to the hole at crankshaft journal for oil passage.

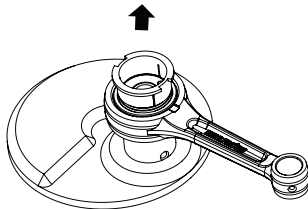
# RECOMMENDED INSTALLATION PROCEDURE OF END ROLLER BEARING, CRANKPIN AND CONNECTING ROD

## STEP 2



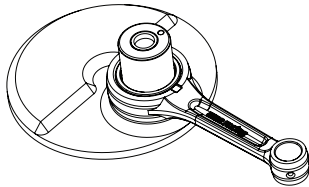
- \* Insert end roller bearing ( Accessory 3 ) into connecting rod ( Accessory 1 )
- \* End roller bearing should be attached partially
- \* Slot into the crankpin and attached onto the crankshaft

## STEP 3



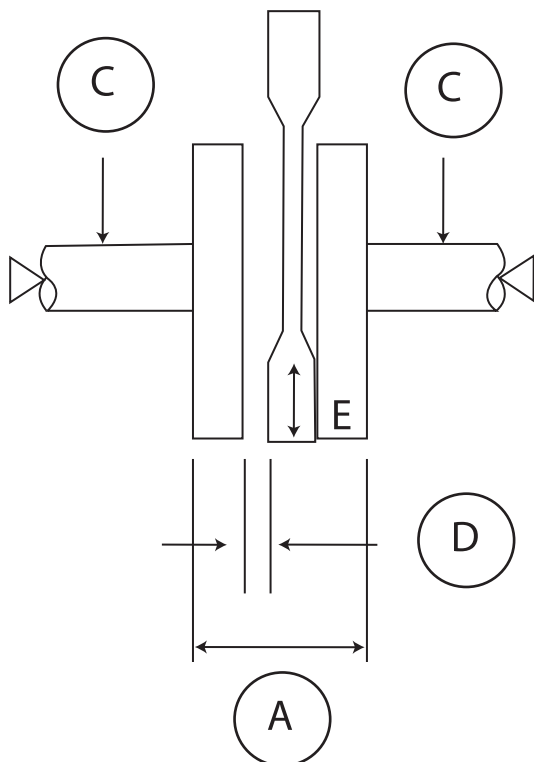
- \* Gently insert the connecting rod ( Accessory 1 ) and end roller bearing ( Accessory 3 ) onto crankpin ( Accessory 2 )
- \* The plastic retained attached to end roller bearing should slide out upon installing onto the crankpin

## STEP 4



- \* Slide in connecting rod ( Accessory 1 ) and end roller bearing ( Accessory 3 ) fully into crankpin ( Accessory 2 ) attached to the crankshaft

## CRANKSHAFT CLEARANCE GUIDE



### LC135

ITEM	STANDARD	LIMIT
CRANK WIDTH "A"	45.95 - 46.00 MM (1.81-1.81 IN)	---
MAX RUNOUT LIMIT "B"	---	0.03 MM (0.0012 IN)
BIG END SIDE CLEARANCE "D"	0.11 - 0.41MM (0.0403 - 0.016 IN)	---
BIG END RADIAL CLEARANCE "E"	0,004 - 0,014MM (0,10 - 0,11 IN)	---

### Y16ZR

ITEM	STANDARD	LIMIT
CRANK WIDTH "A"	47.95 - 48 MM (1.888 - 1.890 IN)	---
MAX RUNOUT LIMIT "B"	---	0.03 MM (0.0012 IN)
BIG END SIDE CLEARANCE "D"	0.11 - 0.41 MM (0.0043 - 0.0161 IN)	---
BIG END RADIAL CLEARANCE "E"	0.004 - 0.015 MM (0.0002 - 0.0006 IN)	---

### Y15ZR

ITEM	STANDARD	LIMIT
CRANK WIDTH "A"	47.95 - 48 MM (1.888 - 1.890 IN)	---
MAX RUNOUT LIMIT "B"	---	0.05 MM (0.0019 IN)
BIG END SIDE CLEARANCE "D"	0.11 - 0.41 MM (0.0043 - 0.0161 IN)	---
BIG END RADIAL CLEARANCE "E"	0.004 - 0.015 MM (0.0002 - 0.0006 IN)	---

### RS150R

ITEM	STANDARD	LIMIT
CRANK WIDTH "A"	47.5 - 47.8 MM (1.87 - 1.88 in)	---
MAX RUNOUT LIMIT "B"	---	0.03 MM (0.0012 IN)
BIG END SIDE CLEARANCE "D"	0.10 - 0.35 MM (0.0394 - 0.014 IN)	---
BIG END RADIAL CLEARANCE "E"	0 - 0.008 MM (0 - 0.0003 IN)	---