

# Modification Available Performance Enhancement Service Note

Supersedes:  
NONE

## E9986E, In-Line Four-Module In-Circuit Test System

Serial Numbers:

MY49430585, MY49430623, MY57410001- MY57411166, MY61280102- MY61280157,  
MY63415001- MY63415002

Manufacturing ID Number: NA

**The Problem** – Bigger idler Pulley to enhance the conveyor belt lifespan.

**Parts Required:**

P/N	Description	Qty.
E9986-63606	EMU Conveyor Rail Bigger Pulley with Motor Bracket, Two Sides	1

### ADMINISTRATIVE INFORMATION

Calibration Required  
 Calibration NOT Required

PRODUCT LINE: PL80  
AUTHOR: Wee Sheng

ADDITIONAL INFORMATION:

Estimated Labor is 1 hour. Installable by trained customer. Interested customers can purchase this modification.

**Situation:**

Existing Prolong Lifespan belt may get wear and tear faster than expected (<2 months) if production volume is between 4.5k to 6k daily.

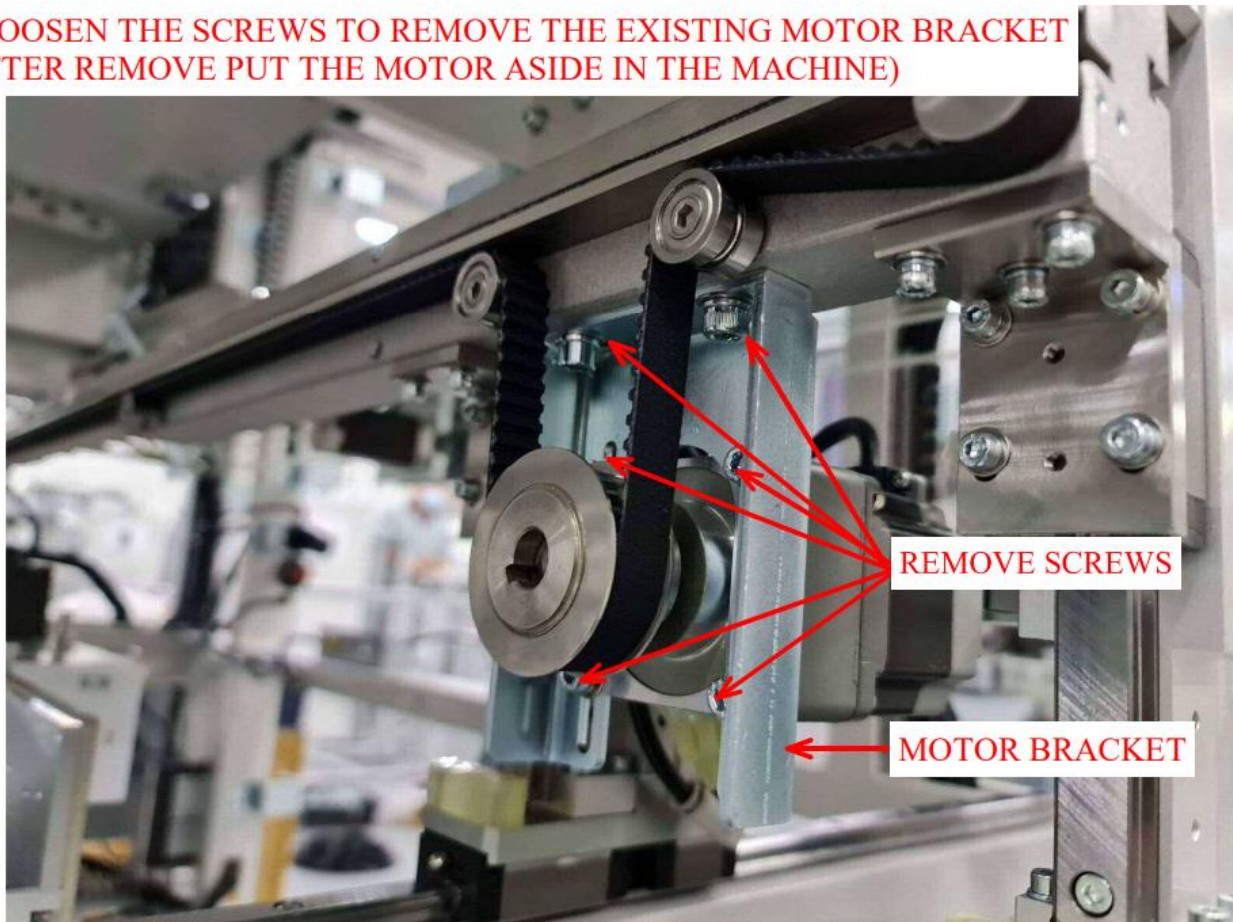
**Solution/Action:**

By replacing existing pulley to a new bigger size pulley at motor sides will help to prolong the belts lifespan to about 2x of existing lifespan.

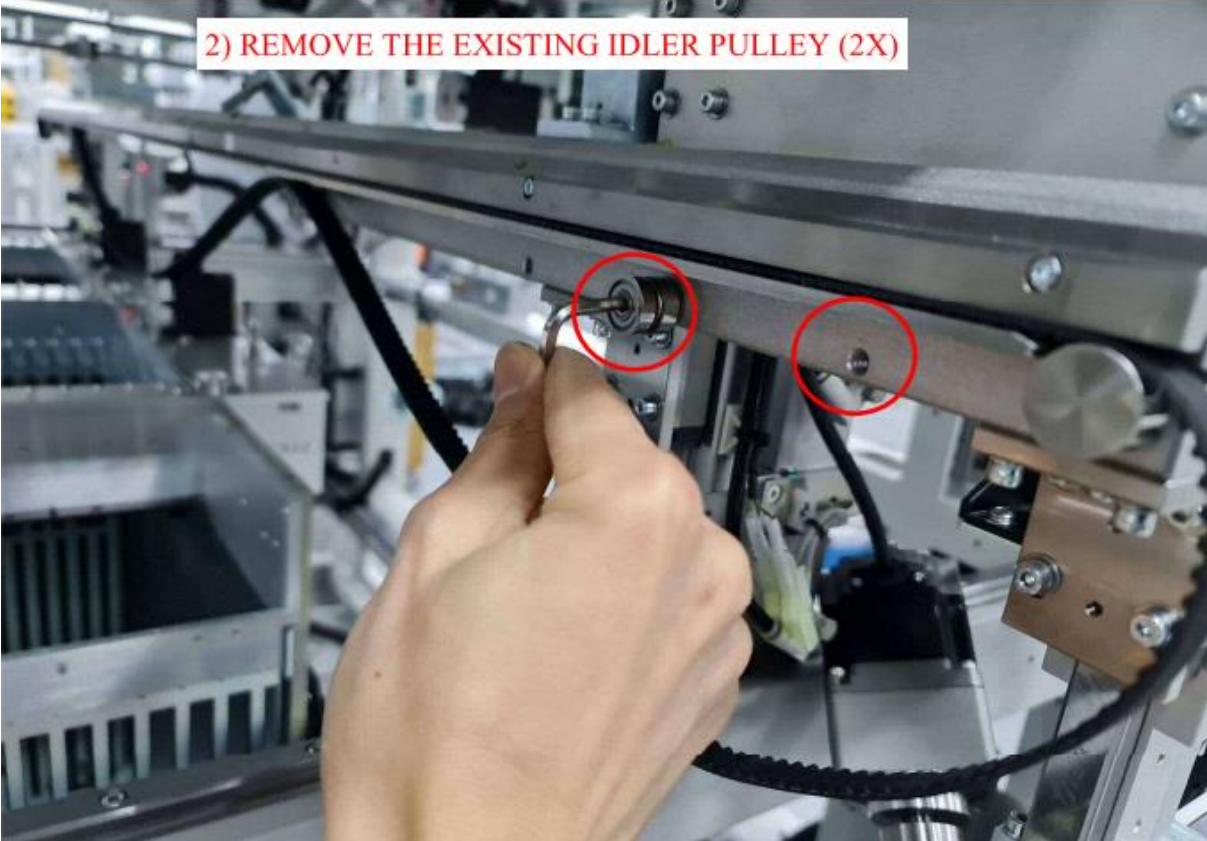
The E9986-63606 is the kit to retrofit to bigger pulley on motor side. No changes are needed for non-motor side.

Following are the steps to retrofit to bigger pulleys:

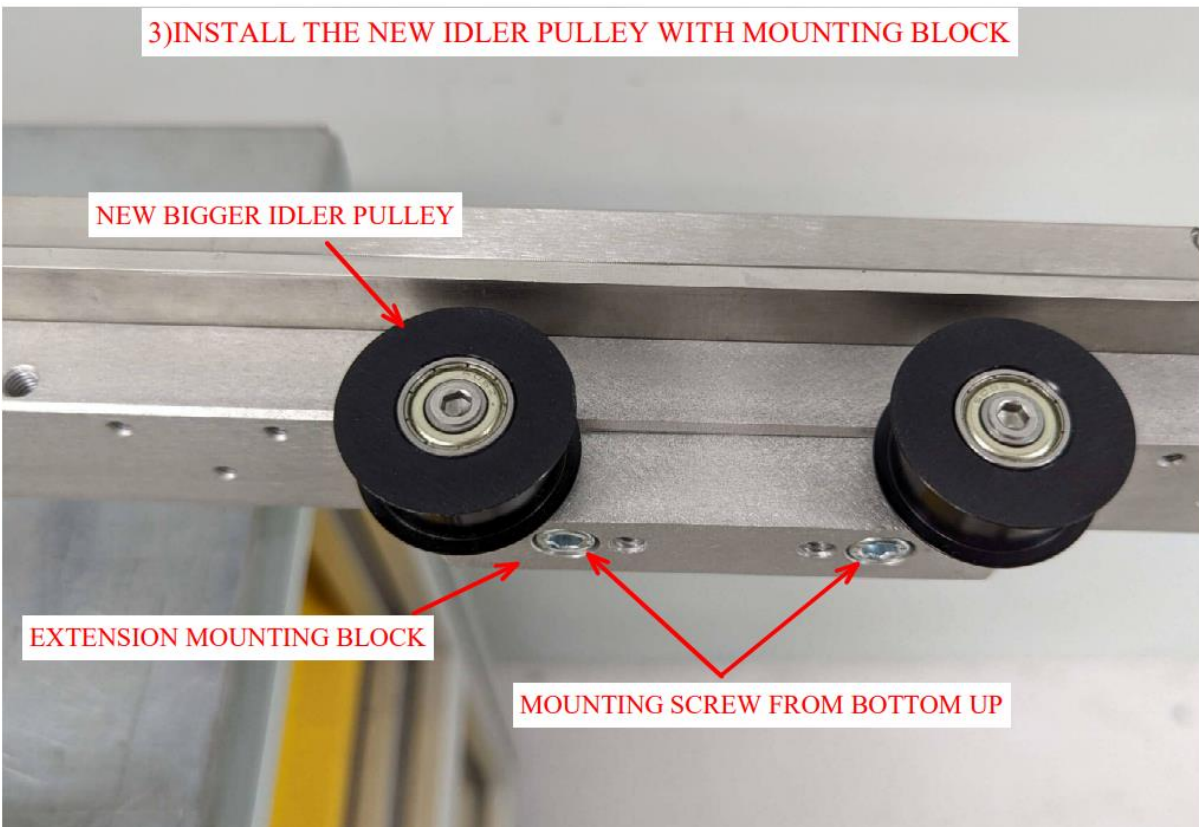
**1) LOOSEN THE SCREWS TO REMOVE THE EXISTING MOTOR BRACKET (AFTER REMOVE PUT THE MOTOR ASIDE IN THE MACHINE)**



2) REMOVE THE EXISTING IDLER PULLEY (2X)

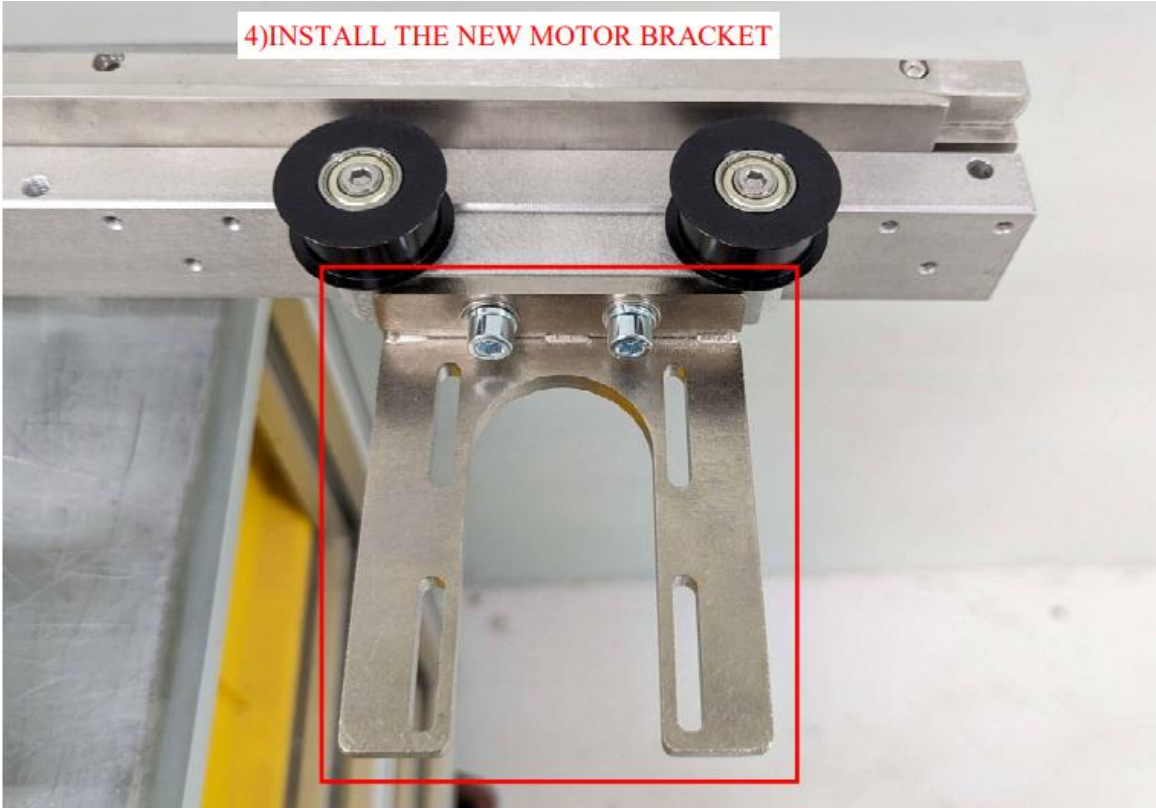


3) INSTALL THE NEW IDLER PULLEY WITH MOUNTING BLOCK

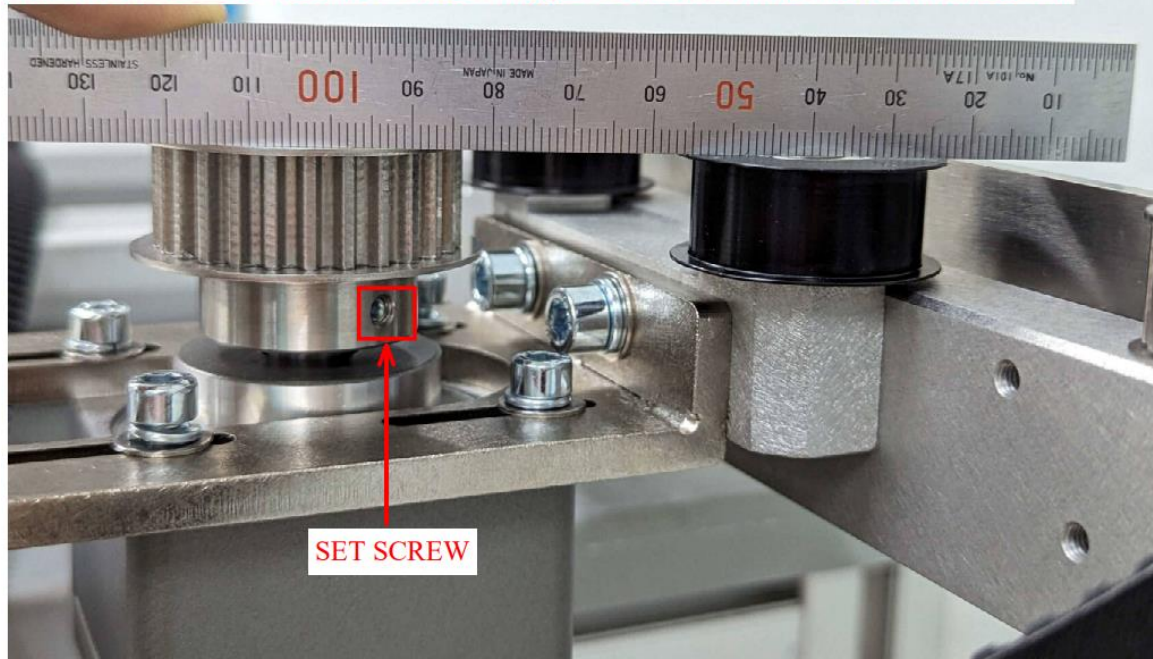


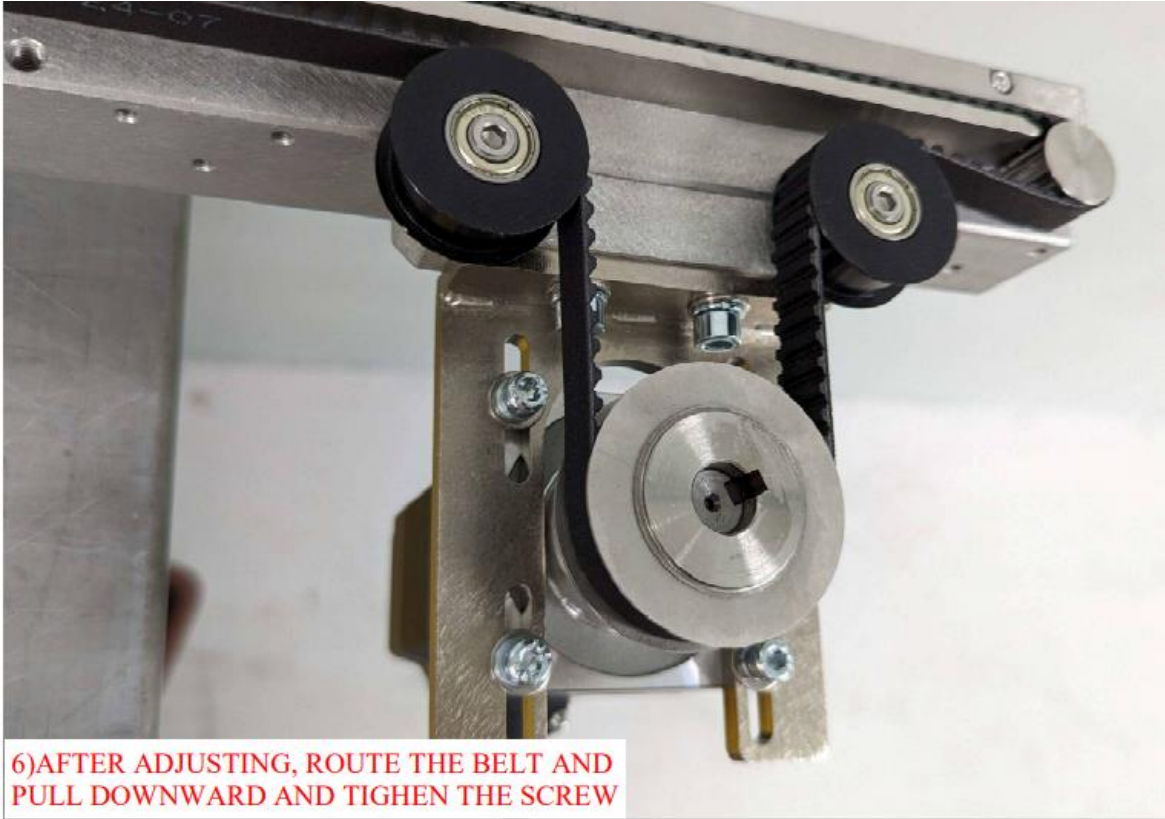


4)INSTALL THE NEW MOTOR BRACKET



5)INSTALL THE MOTOR AND SLIGHTLY TIGHTEN THE SCREW, CHECK THE MOTOR PULLEY WHETHER SAME LEVEL AS IDLER PULLEY) (IF PULLEY SURFACE IS NOT LEVEL AS IDLER PULLEY, SLIGHTLY LOOSEN THE SET SCREW x Qty 2 TO ADJUST THE PULLEY POSITION)





Revision History:

Date	Service Note Revision	Author	Reason for Change
Oct 01, 2024	01	Wee Sheng	As Published