

Demonstrate Remove & Install Engine / Machine Major Component (including attachment)

Skill Number CO-OP15GN115

 Full Name: Fair Hasan Fachrudin

No ID: _____

 Validation Date: 4/13/26

 School: SMKM 1 SINGASARI

PERFORMANCE TASK

Given an Engine or a Machine, literatures, test gauges and the necessary tools to the serviceman to perform remove & install Engine / Machine Major Component (including attachment).

The student must be able to complete the following tasks:

- Perform remove & install Engine / Machine Major Component (including attachment) correctly and safely with refer to appropriate service literatures.
- Follow the procedures correctly as stated on the Service Manual, in sequence.
- Safety and contamination control procedures are demonstrated all the time.
- Provide SIMS reports and Service Report on time correctly and completely.
- Perform close the job by ensuring all systems or conditions are in the standard condition
- Perform communication & etiquette manner

Safety and Contamination Control must be applied to this process. All literatures will be available.

Prerequisite	Yes	No	N/A	Observation / Hints
The student must complete the knowledge assessment. Minimum passing grade 80%.	✓			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Preparation				
Engine or Machine	✓			
Hand Tools	✓			
Special Tools	✓			
Service Literatures	✓			
Safety and Contamination Control equipment's	✓			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform etiquette/manner when starting the job				
Meet the customer / assessor	✓			
Perform etiquette/manner when opening the interaction.	✓			
Explain the purpose of Student's activity.	✓			
Ask permission to perform the job.	✓			

Tasks	Completed		Observation / Hints
	Yes	No	
Preparation Engine or Machine			
Completed JSA Form	✓		
Before Starting Engine or Machine			
Engine Starting			
Before operation			

OPTION 1: ENGINE MAJOR COMPONENTS

Tasks	Completed			Observation / Hints
	Yes	No	NA	
Remove & Install Engine Major Components				
Cylinder Head	✓			
Water Pump				
Oil Pump				
Oil Cooler				
Attachment				

OPTION 2: MACHINE MAJOR COMPONENTS

Task	Completed			Observation / Hints	
	Yes	No	N/A		
Remove & Install Machine Major Components					
Powertrain Components					
Torque Converter					
Transmission					
Differential					
Final Drive					
Hydraulic Components					
Hydraulic Pump					
Directional Control Valve					
Hydraulic Actuator (Cylinder or Motor)					
Attachment					

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform final inspection				
Ensure all systems or conditions are in the standard condition.	✓			

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Reporting				
Remove install Result Report				
All relevant documentation completed correctly and approved by customer (if required).				

Tasks	Complete		Observation / Hints
	Yes	No	
Safety			
Using APD related to the job	✓		
Follows relevant workplace safety guidelines (tag out, safety equipment)	✓		
State and follow safety precautions	✓		
Serviceman completes job without accident due to incorrect procedure using hand tools.	✓		
Tasks completed without damage equipment and tools	✓		

Tasks	Complete		Observation / Hints
	Yes	No	
Contamination Control			
Environmental Practices &Housekeeping	✓		

Tasks	Completed			Observation / Hints
	Yes	No	N/A	
Perform etiquette/manner after completing the job				
Perform etiquette/manner when closing the communication.	✓			

General Comments

RESULT:

COMPETENT



NOT YET COMPETENT



(please check (✓))

Student:

Feiz Hasan Fachristin
Name

4/3/26
Date

Signature

Assessor:

Priyo Nugus
Name

4/3/26
Date

Signature

Supervisor:

Name

Date

Signature

Data Recorded:

Name

Date

Signature