

KOMATSU MACHINE MAINTENANCE

MODULE 3: TEST AND ADJUST

1. Module Details

1.1 Module Name

Test and Adjust

1.2 Nominal Duration

8 hours

1.3 Discipline Group

4.1.1.1 General Mechanical Engineering Trades Person

4.2.1.1 Motor Mechanic

4.2.1.2 Automotive Electrician

4.3.1.1 Electricians

2. Module Purpose.

This module provides people who hold trade qualifications in either automotive, engineering or electrical or equivalent industry experience with the knowledge and skills to perform testing and adjusting on the Komatsu machine systems and components.

3. Pre-requisites

Holding trade qualifications in either automotive, engineering or electrical or equivalent industry experience.

Komatsu Machine Maintenance, Introduction and General Service

Komatsu Machine Maintenance, Structure and Function

4. Content

On the completion of the module the participants will be able to:

- a) Carry out safety precautions to be observed when tests and adjustments are conducted on the Komatsu machine.
- b) Test and adjust engine components on the Komatsu machine.
- c) Test and adjust the powertrain of the Komatsu machine.
- d) Test and adjust hydraulic system components of the Komatsu machine.
- e) Test and adjust the electrical system components on the Komatsu machine.
- f) Interpret schematic drawings for the hydraulic and electrical components on the Komatsu machine.
- g) Use Komatsu test equipment in maintaining the Komatsu machine.

It is suggested that the following areas be covered in the learning process:

Safety requirements and considerations when working on equipment, including Komatsu's OHS & E policies, procedures and programs.

- **Measurements and Adjustments (as applicable):**

Engine	Steering System
Powertrain	Hydraulic System
Hoist System	Electrical and Electronic
Propulsion System	Systems

- **Use of Test Kit:**

Engine group test kit	Electrical harness checker
Hydraulic pressure test group	Systems checkers

- System Schematic Drawings for powertrain, steering, and hydraulic systems.