Roos Instruments
Modular ATE for the World's Most Advanced Technology

Exchange TIM Check List

Procedure to exchange Cassini Test Instrument Module (TIM) in 4 steps. Detailed step-by-step process available in the Cassini Reference Guide.

Step 1) Prepare for TIM Exchange

Import Cal Data (.gzp) into Guru. Email Attachment Sent to Site's Primary Maint. Manager (Filename = CalData_<seral#>.gzp)

With Cassini Main System Window Open, Unlatch and Lower Testhead from or Remove Fixture.

Choose **System > Check** from Main System Window (Fixture removed from Configuration)

Remove TIM From Shipping Box. Do Not Trash TIM Box, Keep For Return Shipment.

Step 2) Exchange TIM

For RI7725 AUX Rack 20 GHz Source, See Exchanging AUX Rack Source TIM.

For RI8574 ArcaOS EPC TIM, See Exchange Checklist for ArcaOS EPC TIM.

For RI8608 Linux NUC, See Exchange Checklist for Linux NUC TIM.

For RI8545 20 GHz TestSet (Testhead instrument), See Cal Data Activation (Testhead).

For all others, Remove Failed TIM With System ON, Pull Top Latch Then Pull Bottom Handle to Release from Testhead.

Perform **System > Check** (Instrument(s) Removed from Configuration)

Install New TIM Label T-4 , Slide TIM Horizontally Until Touching Testhead, Slide TIM Vertically Until In Position, Securely Press Top Latch Down

Perform **System > Check** (Instrument(s) Added to Configuration). Start Warm Up Timer (20 minutes)

Choose **Tester > Save** menu from the Configuration window to save the exchanged TIM's instrument name (RiTesterDef).

Step 3) Verify and Release to Production

Latch Diag/Cal Plate from Diagnostic Kit

Perform **System > Check** (Fixture Added to Configuration)

NOTICE! Wait for the TIM to Warm Up 20 Minutes Before Running Diagnostics

Open Configuration (**System > Tester**), Perform Targeted Diags (**Tester > Diagnose**, Select Plans for Instrument Model #s)

If Diags Pass, Remove Diag/Cal Plate and Latch Fixture, then Release to Production

Confirm Recent Cal Data, Select Instrument from Config Window, RMB Menu Choose **Calibration > Restore... > OK**. Compare D, Choose **Cancel** to Abort. If Dates Not Valid, Import Cal Data and Choose **System > Startup**. Perform Targeted Diags Again.

If Diags Fail, Run Full Diags, then Perform Targeted Calibration (TIM or Complete RF System)

Step 4) Document and Return Failed TIM

Prepare return shipping documents according to Return Shipment Instructions (RSI) (HTC, value, description)

Write Serial Number if not already included on RSI. Include any relevant information (Diag data, symptoms)

Ship Failed TIM in provided TIM Box (See Packing Instructions: Pack TIM, Pack AUX TIM (RI7725))

https://roos.com/docs/RBEH-9RXPPV