



Service bulletin

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Part affected: 3Watt PA # 229-47-348 , 10Watt PA # 339-47-446
Products affected RT9000 450MHz, RT9000 300MHz, RT9000 365MHz **At**
issue: Discontinued parts support 2020

Due to unavailability of replacement parts, the 3Watt and 10Watt power amplifiers have been phased out and are no longer manufactured by RF-Tel Communications.

The following radio products are affected: RT9000 UHF 450-470MHz 3Watt
RT9000 UHF 315-330MHz 3Watt and 10Watt
RT9000 UHF 365-380MHz 3Watt and 10Watt

These power amplifiers have been replaced by a new 2-15Watt amplifier with higher RF output capability and improved VSWR protection against faulty antenna installations and voltage transients.

Servicing existing 3 Watt PA's on units with ser # 361 to 2565

Where existing UHF radios with serial numbers 361 to 2565 require servicing of the 3Watt power amplifier, it will in most cases be necessary to replace the entire 3Watt PA with the new 15Watt power amplifier unit. The 15Watt amplifier is available as a kit consisting of an RF module and a heatsink base that is installed in place of the 3Watt amplifier.

The kit can be ordered from RF-Tel under part# 339-47-457.

The installation can either be done in the field by qualified personnel with the use of the appropriate test equipment or the complete unit can be sent to RF-Tel for installation.

Servicing existing 10 Watt PA's on units with ser # 361 to 2565

Where existing UHF radios with serial numbers 361 to 2565 require servicing of the 10Watt power amplifier, it will in most cases be necessary to replace the 3Watt driver and the 10Watt amplifier with the new 15Watt power amplifier unit.

The 15Watt amplifier is available as a kit consisting of an RF module and a heatsink base that is installed in place of the 3Watt amplifier. Both the 3 Watt PA and the 10 Watt PA are removed and are replaced by the single 15 Watt amplifier.

The kit can be ordered from RF-Tel under part# 339-47-457.

The installation can either be done in the field by qualified personnel with the use of the appropriate test equipment or the complete unit can be sent to RF-Tel for installation.

Upgrading existing 3 Watt units to 15 Watt

It also becomes possible to upgrade existing 3 Watt units to the higher 15 Watt power by replacing the 3 Watt amplifier with the new 15 Watt unit.

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