

# ENGINEERING BULLETIN

*Subject:* INSTINCT Cascade Wiring

*Date:* 9/18/20

The CTRLMax control of the INSTINCT includes the ability to operate up to six INSTINCT Solo boilers together as one when wired together with PACAB01 cascade cables.

A wiring harness change to all INSTINCT boilers beginning in September 2020 will require each end of the cascade cable to connect directly to the CTRLMax control module. The previous cascade cable connection located on the INSTINCT display mounting bracket has changed from a 6 pin connector to a larger 4 pin connector and will no longer accept the cascade cable. The cascade cable will now plug into the CTRLMax x15 connection of the slave boiler after removing the factory wiring harness connector. The cascade cable will still plug into the CTRLMax X16 connection of the master boiler.

Please contact technical support at [techsupport@triangletube.com](mailto:techsupport@triangletube.com) or (856) 228-8881 x575 with any questions regarding this change.

Cascade Cable Connection on INSTINCT Master Boiler

Cascade Cable Connection on INSTINCT Slave Boiler



# ENGINEERING BULLETIN

*Subject:* INSTINCT Combi & IDWH

*Date:* 9/18/20

The INSTINCT Combi is designed to satisfy both space heating and domestic hot water demands from a single compact appliance. In applications where the domestic hot water demand has increased such as after a bathroom remodel or addition, the INSTINCT Combi can be utilized along with a Triangle Tube Indirect Water Heater (IDWH) to satisfy the increased domestic hot water requirements.

Perform the following steps to allow the INSTINCT Combi to operate with an IDWH:

1. Initiate a space heating demand then wait for the internal diverter valve of the INSTINCT Combi to move up into the space heating position. Disconnect the wire harness from the internal diverter valve after it has stopped moving then end the space heating demand.
2. Update the appliance code to allow the INSTINCT Combi to operate with an IDWH:
  - a. Enter the Installer Access Code then navigate to CH & DHW Settings > Boiler Settings > Appliance Setting.
  - b. Enter the appliance code from the rating label except replace the first digit of 6 with 4. For example, rating label = X611, enter updated appliance code of X411.
  - c. Return to the home screen and confirm that Solo is now displayed at the top.
3. Enable the INSTINCT Combi internal circulator during a DWH demand:
  - a. Enter the Installer Access Code then navigate to CH & DHW Settings > Boiler Settings > Pump Settings > Flexible Pump Config > Flex Relay 1 (CH). Set DHW to On then highlight Save & Exit and press the O button.
4. Remove the wire harness purple wires from the DHW terminals on the CTRLMax control module and connect the aquastat or temperature sensor wires from the IDWH.
5. Adjust settings as required for the application via the EZ Setup or Installer menus.

Please contact technical support at [techsupport@triangletube.com](mailto:techsupport@triangletube.com) or (856) 228-8881 x575 with any questions.



# ENGINEERING BULLETIN

*Subject:* PRESTIGE PA Series Obsolete Components

*Date:* 5/8/20

Triangle Tube carried out a supply chain assessment in 2019 to ensure the long term availability of a number of components utilized in our boilers recognizing that replacement parts would be required throughout their expected lifetime.

In order to ensure continuity of supply, several changes to the components were required including the ignition components on the Prestige PA Series. Parts have been re-sourced and as a consequence when either an igniter or control module must be replaced on a Prestige PA Series boiler, these will be replaced with a kit containing the re-sourced components.

Prestige models built with these updated components will have a serial number beginning with PB. The replacement update kit includes a PB decal to affix over the PA serial number prefix on the rating label to readily identify units which have the replacement update kit installed.

In order to minimize inconvenience to our customers, the replacement update kit cost will be kept to a minimum for a time period of 24 months from release of this bulletin after which time the costs will increase to the nominal amount.

Model	Obsolete		Replacement Update Kit	
	Control Module	Igniter	Low Altitude (Below 5,000')	High Altitude (Above 5,000')
Prestige PA80	PARKIT80	PARKIT16	PARKIT141	PARKIT151
Prestige PA110 / Exc.	PARKIT81	PARKIT16	PARKIT142	PARKIT152
Prestige PA155	PARKIT82	PARKIT56	PARKIT143	PARKIT153
Prestige PA175	PARKIT83	PARKIT56	PARKIT144	PARKIT154
Prestige PA250	PARKIT84	PARKIT56	PARKIT145	PARKIT155
Prestige PA299 V2*	PARKIT97	PARKIT16	PARKIT146	PARKIT156
Prestige PA399 V2*	PARKIT98	PARKIT16	PARKIT147	PARKIT157
Prestige PA299 V1*	PARKIT97	PARKIT16	PARKIT148	PARKIT158
Prestige PA399 V1*	PARKIT98	PARKIT16	PARKIT149	PARKIT159

\* PA299 & PA399 Versions – V1 models were built with a one piece blower and venturi but some may have been updated to V2. V2 models beginning with serial number PA117000 were built with separate blower and venturi. See PRESTIGE Service Parts Kit Engineering Bulletin (10/24/18) for more information.

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# ENGINEERING BULLETIN

*Subject:* PRESTIGE PT Series Obsolete Components

*Date:* 10/12/20

Triangle Tube carried out a supply chain assessment in 2019 to ensure the long term availability of a number of components utilized in our boilers recognizing that replacement parts would be required throughout their expected lifetime.

In order to ensure continuity of supply, several changes to the components were required including the ignition components on the Prestige PT Series. Parts have been re-sourced and as a consequence when either an igniter or control module must be replaced on a Prestige PT Series boiler, these will be replaced with a kit containing the re-sourced components.

The replacement update kit includes a PU decal to affix over the PT serial number prefix on the rating label to readily identify units which have the replacement update kit installed.

### Replacement Update Kit Part Numbers

Model	Obsolete Control Module	Obsolete Igniter	Replacement Update Kit
Prestige PT60 & PT110	PTRKIT205	PTRKIT313	PTRKIT301
Prestige PT175	PTRKIT205	PTRKIT313	PTRKIT302
Prestige PT250	PTRKIT206	PTRKIT313	PTRKIT305
Prestige PT399	PTRKIT206	PTRKIT313	PTRKIT303
Prestige PT Excellence	PTRKIT205	PTRKIT313	PTRKIT304

In the event that individual parts are required after installing a replacement update kit, reference the table below for replacement part numbers.

### Component Part Numbers of Replacement Update Kit

Model	Control Module	Igniter	Spark Generator	Ignition Cable
Prestige PT60 & PT110 & Exc.	PTRKIT306	PTRKIT413	PTRKIT308	PTRKIT309
Prestige PT175	PTRKIT306	PTRKIT513	PTRKIT308	PTRKIT309
Prestige PT250	PTRKIT307	PTRKIT513	PTRKIT308	PTRKIT309
Prestige PT399	PTRKIT307	PTRKIT613	PTRKIT308	PTRKIT309

Please contact technical support at (856) 228-8881 x575 with any questions regarding this issue.

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