**Introduction**

- Bosch Thermotechnology recommends the following water heater adjustments to accommodate installations with a broader range of operating conditions and to improve operation with varying characteristics of LP gas combustion.

**Tools needed:**
- Phillips head screwdriver

**Preparation**

1. Unplug the water heater power supply cord.
2. Loosen two Phillips head screws located at bottom rear of cover. (Fig. 1, step 1, pos. 1).
3. Lift front cover upward and remove. (Fig. 1, step 1, pos. 2 & 3)
4. Remove secondary combustion cover by unclipping two upper and two lower clips securing cover. (Fig. 1, step 2)

**Removing the attenuator**

1. Locate attenuator. (Fig. 2, pos. 1).
2. Remove three Phillips head screws from attenuator. (Fig. 2, pos. 2)
3. Pull attenuator free from heater. Discard the black o-ring positioned between the fan assembly and attenuator. (Fig. 3, pos 1.)
Replacing the attenuator

1. Install replacement attenuator to the fan without o-ring. (Fig. 3, pos. 1).
2. Secure the attenuator to the fan assembly with three Phillips head screws. (Fig. 2, pos.2).

Adjusting fan speed (LP models only)

**Note:** Upon replacing the attenuator, if the water heater is a liquid propane model, the fan speed should be adjusted using the following the procedure.

1. Plug in power supply cord.
2. Press and hold the program button while pressing the On/Off button to the On position. (Fig. 4)

3. Release the program button when '188' appears on the display. The display should read 'P2'. If not, repeat process. (Fig. 4)
4. Press the button on the control panel until the display reads 'P1'.
5. Press the program button once and the display should show the numeric value of the fan speed.
6. Use the and buttons on the control unit to select the new fan speed for your model. The P1 fan speeds should be set to the following:

   **Model GWH 2400 ES:** P1 fan speed = 37  
   **Models GWH 715 ES and GWH 2700 ES:** P1 fan speed = 42

7. Press and hold (± 5 sec.) the program button until the display flashes. The selected value is now memorized.
8. Press On/Off button on water heater to Off position. Press On/Off button again to turn water heater back on.
9. Replace combustion cover only.

Adjusting CO₂

1. The water heater requires a CO₂ adjustment after the installation of the replacement attenuator. Refer to Service Bulletin G3-12 for detailed instructions on this process.
2. After adjusting CO₂, replace front cover.
3. Press On/Off button on water heater to Off position. Press On/Off button again to return water heater to normal service.