



Z T H I R T Y T W O . C O M

## 1993-1996 Nissan 300zx Non Turbo Illuminated Gauge Face Installation

### **Tools needed:**

**Small flat blade screwdriver**

**Medium Phillips screwdriver**

**Drill and drill bit set**

**Dremel or file**

**Soldering Iron with fine tip**

This set of illuminated gauge faces is designed to only fit clusters made by Yazaki. Located on the back of the circuit film you will find the supplier name printed. We recommend having a full tank of gas and allow the engine to completely cool before removing the cluster. This will make positioning of the needles much easier when reinstalling them.

Once the cluster has been removed from the car the front bezel and clear lens need to be removed. There are 2 Phillips head screws, one located on each side that need to be removed. There are two wire leads that run from the front bezel to the back of the cluster that are fitted with 2 Phillips head screws that need to be removed. After all of the screws are removed there are 8 clips that need to be released using a flat blade screwdriver. Use care not to break the clips when unclipping them. Remove the front bezel.

The individual gauges now need to be removed from the cluster one at a time. They are held in place with Phillips screws from the back of the cluster. There are 4 screws for the speedometer, 3 screws for the tachometer, 3 screws for the coolant gauge, and 3 screws for the fuel gauge.

The coolant and fuel gauge needle locations will depend on the temperature of the engine and how much gas is in the car at the time the cluster was unplugged from the car. It is best to install the gauge faces when the engine is cold and with a full tank of gas. If the engine was warm you will need to mark the location of the needle with masking tape before removing it and make sure to replace the needle in the same position. Transfer the masking tape over to the new gauge face and install the needles in the same position.

Removing the gas and temp needles you need to be very careful. Do not use too much force or you can damage the mechanism or break the stem. There is a small tab on the bottom of each needle base that can be broken if you are not careful. Do not turn the needles outside of the range marked on the face. For example do not turn the fuel needle below E or above F. The stems are metal and using a soldering iron with a fine pointed tip will make removal of the needles easier. Simply apply a small amount of heat to the base of the needle stem and carefully pull directly up on the needle. Heat will help the needle stem to free up and release. Xacto sells a soldering iron with a hot knife that works really well.

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