Jaguar D Jetronic Throttle Position Switch adjustment

This is a SWITCH, as apposed to the later HE which is a SENSOR, and operates similar, but adjustment is specific, and fiddly. Engine hesitation is rife if this is adjusting incorrectly.

Resetting the 2 throttle rods AFTER refitting this capstan assembly is also critical.

This switch is located under the throttle capstan, and that capstan assembly MUST be removed to do this task.

Once off the car and up on the bench, you will need the a DVM, and 2 small test clips, and patience.

Look carefully at the "mouth" of the switch, where the plug is inserted, and you will see 5 terminals.

These are labelled as follows:
2/14
17
12/47
20
9

You will need a spacer, of 0.050" (about 1.3mm) thickness.

Insert this spacer between the throttle stop and the "ear" of the cable "wheel".

Connect your Ohm Meter, I use an old Analogue, as its easier to see the needle swing than a Digital meter, BUT, either will work, set on Ohms, to terminal 12 & 17.

Loosen the 2 screws securing the switch to the plate, and rotate SLOWLY until the DVM reads High Resistance, tighten the screws, remove that spacer, and the DVM should drop to Low Resistance (Short Circuit).

If this so, you are done.

BUT

Invariably, you will require a few "rotates" WITH the spacer installed to get the "feel" of this switch. Take your time, you cannot harm the thing.

Once you are satisfied, refit the assembly to the car.

Reset the 2 throttle rods, so that the throttle stop arms AT each throttle body "just lift off" WITH that same spacer installed. AGAIN, this is fiddly, and frustrating, but it

must be done right. This now allows the electrical to switch BEFORE the mechanicals start to move, thus eliminating "off idle' hesitation.

When installing the pug and boot ensure the plug slides in FIRMLY, as that boot has been know to prevent proper seating of the plug into the switch. One of mine required a SMALL drop of Super Glue to keep that plug inserted. You will easily see if there is a problem.

Remember, these engines will run and accelerate with the Throttle Switch unplugged, albeit slow and hesitantly.

This all I have as far of naps of this switch. The original Word Doco I did a long time ago has gone AWOL to cyber space.

It shows the terminal ID you are looking for.