

ST697

H.T. PICKUP

USER INFORMATION

(ST541022-002)

INSTALLATION

The ST697 is designed to interface an ignition system to a Stack tachometer or data logging system. This is achieved, without direct connection to the ignition system, by the indirect coupling of the pickup to an ignition lead.

Inputs Connections

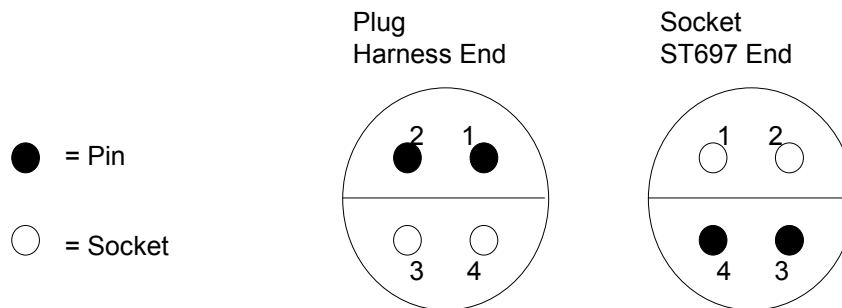
Clip the pickup lead spring clip over the ignition HT wire. **DO NOT** make any direct connection to the HT wire. On ignition systems with a distributor clip the pickup lead over the coil to distributor (Crown) ignition wire.

Alternatively remove the clip and loop the black HT Pickup lead around the coil to distributor HT wire, and twist about itself to secure.

To adjust the sensitivity of the pickup, start with one loop about the HT wire, and check for a reliable RPM reading. Add additional loops until a steady reading is obtained. Then add one more loop to allow for changing conditions.

Sensor Connections

The ST697 is connected to the ST800 system CPU via a four way, ITT Cannon Mini Sure Seal (MSS) connector. The following polarity is observed in all cases :



These terminals must be connected to the corresponding terminals of the selected input channel.

Pin Number	Signal Description
1	Signal from sensor
2	No connection
3	+12v
4	No connection

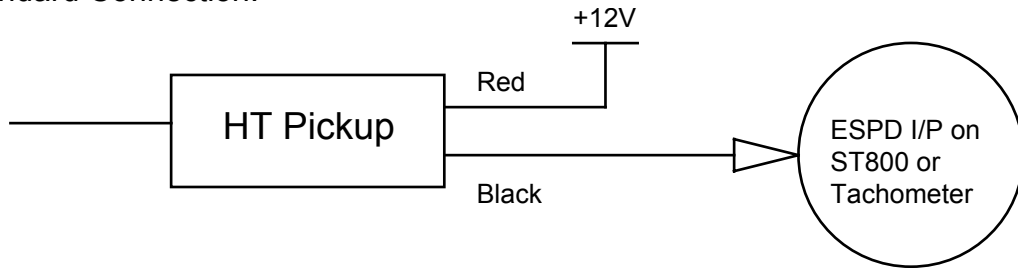
This is suitable for connection in to the **ES** input on a ST882/892 harness or an ST872 harness. If you require to connect the ST697 to a different input on these harnesses, or to an **H** Module, via a ST883/893 harness, then please contact STACK for an adapter.

If the desired input does not have an MSS connector, then the MSS connector on the ST697 should be removed.

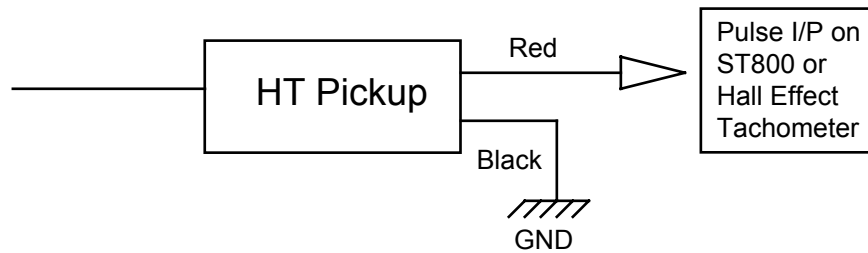
This will reveal a Red and Black wire.



Standard Connection:



OR:



ADDITIONAL NOTES

1. When the pickup is connected to the coil to distributor HT lead the tachometer or ST800 module should be set to the same number of cylinders as the engine.
2. Multiple coil systems should be set to the number of cylinders that the coil to distributor lead is connected to.
3. On multiple coil systems, make sure that the pickup lead is kept well away from ALL other HT leads. (6" or 150mm clearance min.)
4. The pickup can be used on the distributor to spark plug HT lead, with the tachometer or ST800 module set to one cylinder. Make sure that the pickup lead is kept well away from ALL other HT leads. (6" to 150mm clearance min.)