

**Bulletin No. 066**

**Date: 6<sup>th</sup> February 2002**

**Subject: ELECTRICAL INTERFACE FOR INTERMEDIATE ENGINE SPEED REQUEST AND OPERATION OF AN EXTERNAL HAND THROTTLE ON L2000 AND M2000L CHASSIS FITTED WITH BOSCH EDC MS 6.4.**

For connection to the EDC system it is recommended that option code 203EK be specified on the chassis build. This will provide a pre-wired interface plug. It is also advisable to pre-order the specified engine speed required to be programmed into the EDC ECU. refer to MAN Marketing Bulletin Product Engineering AM 96 dated 19/09/01.  
The Dealer is aware of this option, but it would be most useful if you could remind him of the requirements for your equipment.

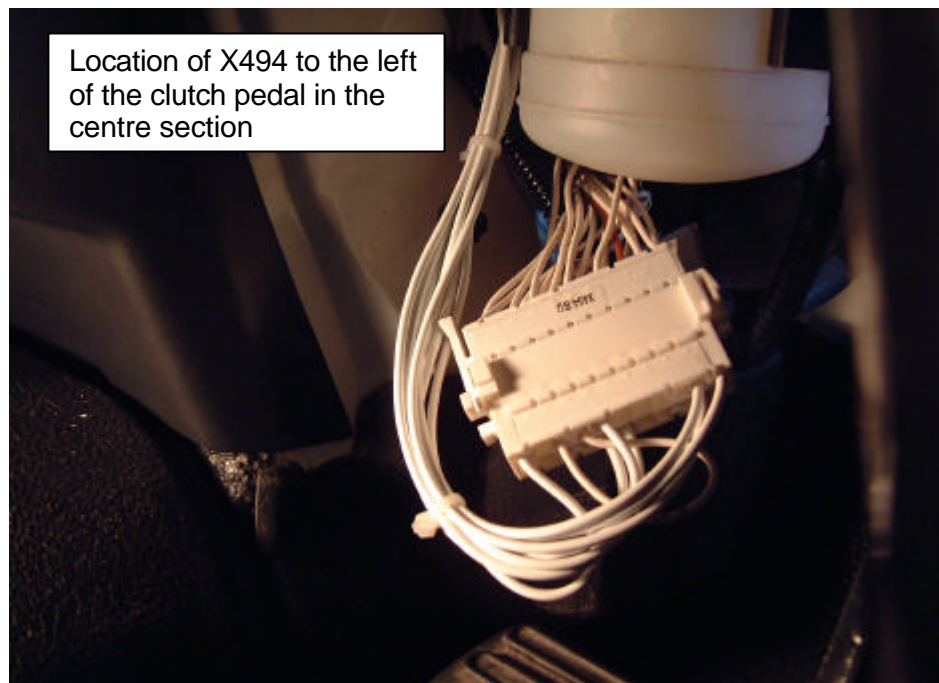
**Location of the Interface.**

The Interface is located to the left of the clutch pedal behind the central dash area. Socket number **X494** - 22 pin socket. There are other useful signals that can be taken from this socket as follows:

Socket X494

Pin No.	Cable number	Function
1	60001	EDC Function power supply
2	16109	Parking brake signal 24 Volt signal
3	60527	Set + External (hand throttle operation)
4	60528	Set - External (hand throttle operation)
5	31000	Earthing point
14	60505	EDC Power source for Set + & - (external hand throttle)
21	60525	Intermediate Engine speed ZDR 1
22	60526	Intermediate Engine speed ZDR 2
21 and 22 together		Intermediate Engine speed ZDR 3

Attached is a diagram of a suggested arrangement that might be used to operate an external hand throttle and Intermediate Engine speed request.

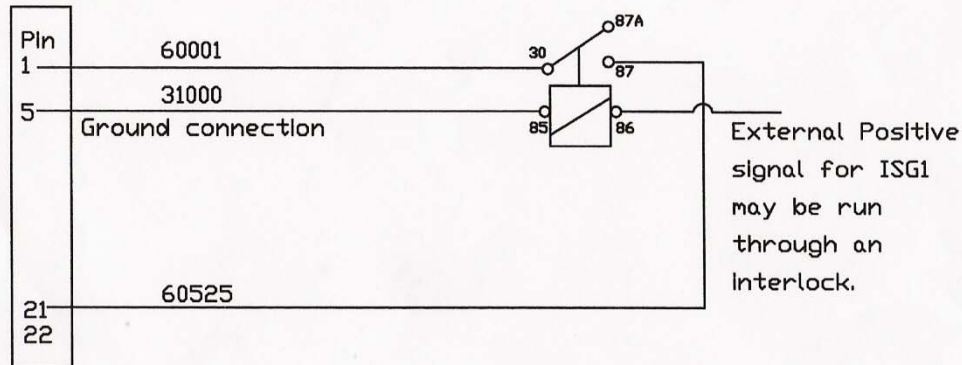


**M2000L and L2000 Exam wiring for EDC MS6.4**

**Drawing 1 dated 17th June 2002**

Example circuit for 1 external engine speed request.

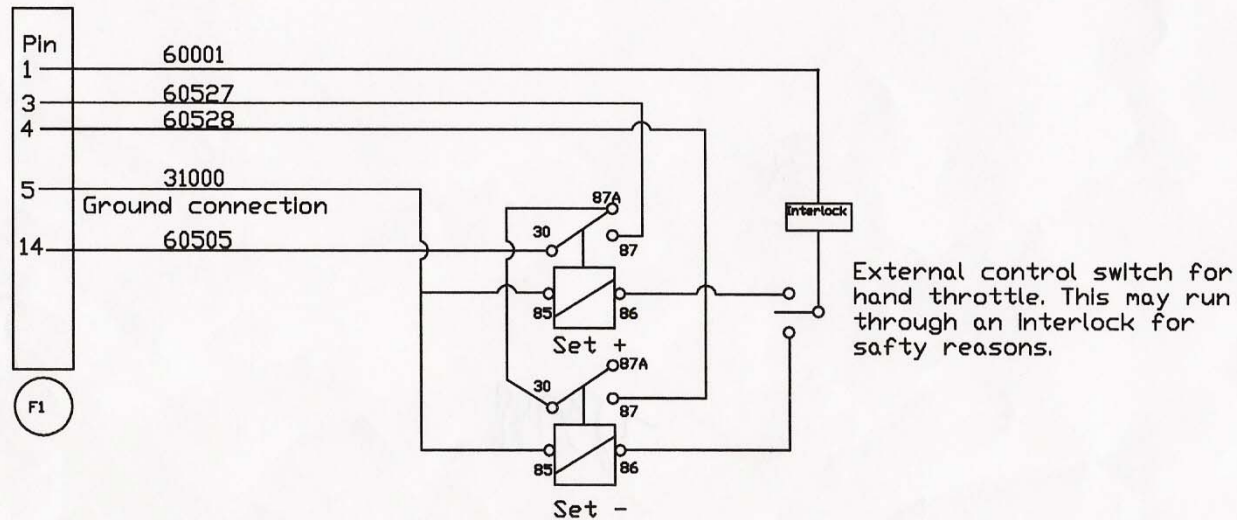
X494



F1

Example circuit for an external hand throttle

X494



F1

Socket X494 is located above and to the left of the clutch pedal in the mid section central dash area F1.

Parts required to connect to socket.

Terminal pins type XDO 0.5-1.0mm<sup>2</sup> Part number 07.91202.0610  
1.5-2.5mm<sup>2</sup> Part number 07.91202.0611

ISG Details.

ISG 1. 24 volt supply to pin 21 in socket X494.  
ISG 2. 24 volt supply to pin 22 in socket X494.  
ISG 3. 24 volt supply to pins 21 and 22 at the same time in socket X494.