

### LOCATING THE MOTRONIC (DME) UNIT:

The Motronic (DME) is an unpolished silver metal box approximately 18cm x 16cm x 4cm (6"x5"x2") labeled "MOTRONIC" either embossed or with a sticker. It is located under the driver's seat, remove the floor mat to locate it.

### TOOLS NEEDED FOR REMOVAL:

Small Ratchet (socket wrench), Small Flat Head Screwdriver and a 10 mm socket with extension.

### REMOVING THE MOTRONIC (DME) UNIT:

1. Slide the driver's seat back all the way back and up (if possible). Remove the floor mat.
2. Loosen the 4 nuts attached (10 mm).
3. Slide the Motronic slightly forward.
4. Remove the wiring harness connector by removing the retaining bracket (held in by a 10 mm washer and nut).
5. Remove the nuts and lift the unit off of the studs.
6. Hold the Motronic (DME) with one hand. Flip the steel retaining tab back that holds the connector.
7. Disconnect the box from the wiring plug by rotating the box out, away from the retaining tab.

### OPENING THE MOTRONIC (DME):

1. Using a Small Flat Head Screwdriver, straighten the 10 metal tabs on the back of the Motronic.



2. Remove the cover and the white plastic insulating sheet.
3. With your Small Flat Head Screwdriver, locate the male / female connector posts; refer to picture # 1 below. You will need to CAREFULLY unsnap the male side from the female side, the best way to do this is to place a small flathead screwdriver in the slit on the female post and gently pry up, while gently pulling the two boards apart. Force is needed so be sure to pull on the bracket between the plastic posts. Also, be careful not to flex and break the corners of the board, so firmly hold the middle of the board. NOTE: DO NOT TRY TO SEPARATE THE BOARDS COMPLETELY YET!!

Picture # 1



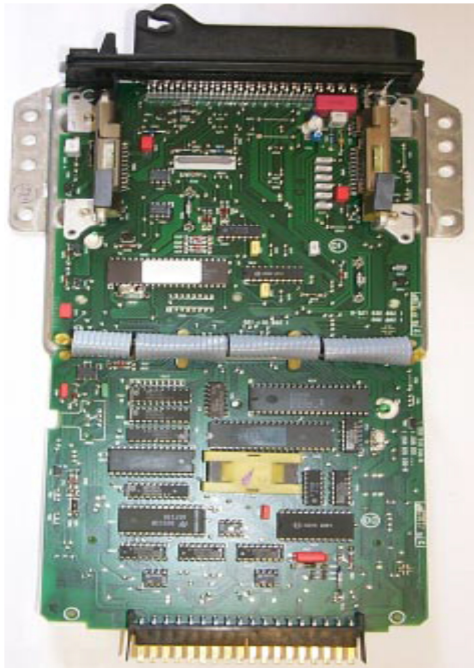
- THIS IS A VERY IMPORTANT STEP AND IS THE MOST CRITICAL. Within the connector plug (with all the pins) you will see two plastic latches inside at each end, refer to picture # 2 below. These latches must be released. You need to insert the small flat head screw driver into the gap between the latch and the plug housing. Then bend the tab inwards while lifting the board up from the ribbon connector and repeat on the other side

Picture # 2



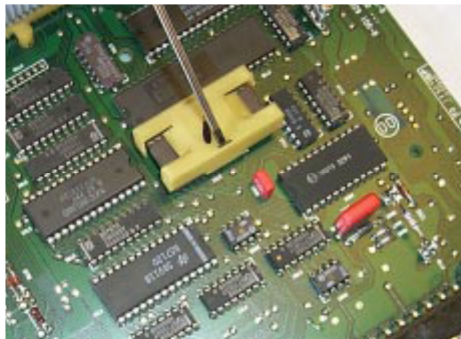
- With the right and left latches released, use the screwdriver to press down gently on the upper board to free the board from the connector plug.
- Open the two boards like a book, ensuring that the ribbon cable is still intact. Refer to Picture # 3 below.

Picture # 3



- Locate the raised chip that has a yellow plastic retaining clip covering it. Refer to Picture # 4 below. Insert the small flathead screwdriver into one of the slots and pop it up. Do the same for the other side.

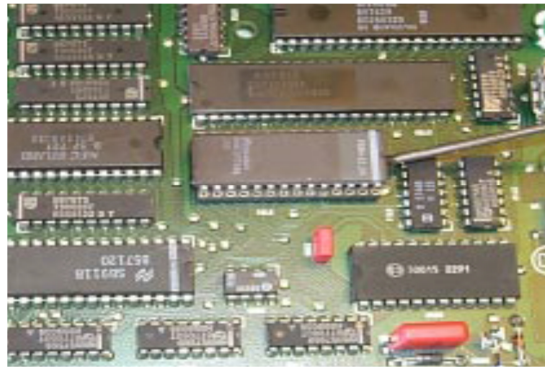
Picture # 4



## REMOVING THE CHIP:

1. Note the installation position (notch in the chip's front). You must replace the FVD chip with the same orientation!! (Might be handy to take a picture with your phone ☺)
2. CAREFULLY slide a Small Flat Head Screwdriver under the chip and pry upwards, refer to Picture # 5 below. Alternate ends so that the prongs are not damaged. (MAKE SURE YOU ARE NOT PRYING UP THE CHIP SOCKET ITSELF!!) ATTENTION: EPROMS are static sensitive components!! Please avoid touching the Eprom pins (feet), so just hold the black chip body!! Place the chip on the metal cover to prevent static damage.

Picture # 5



3. Install the FVD Chip (sometimes we will send a chip with a coding socket – do not remove the socket, install with the socket) in the same orientation that the original chip was in (refer to your phone picture ☺). Gently push down on one row of pins (feet) then the other. Then press down fully to secure the chip. Double check that all of the pins are properly seated.
4. Reassemble in reverse order. Remember, when reconnecting the wiring plug, the plastic hook at the end of the connector is installed first.

For any questions regarding the installation kindly contact us at:

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We are available Mon-Fri 9:00 AM - 5:00 PM