

Thank you for purchasing Comptech Sport's ESM MAP signal modifier. All components have been designed and manufactured utilizing the latest in technology and materials. We are sure you will be pleased with the look, fit, dependability and performance this kit will provide. Should you have any questions, feel free to call us at (916) 933-1080.

**Warning: Incorrect connection of wires will damage ECU and ESM**

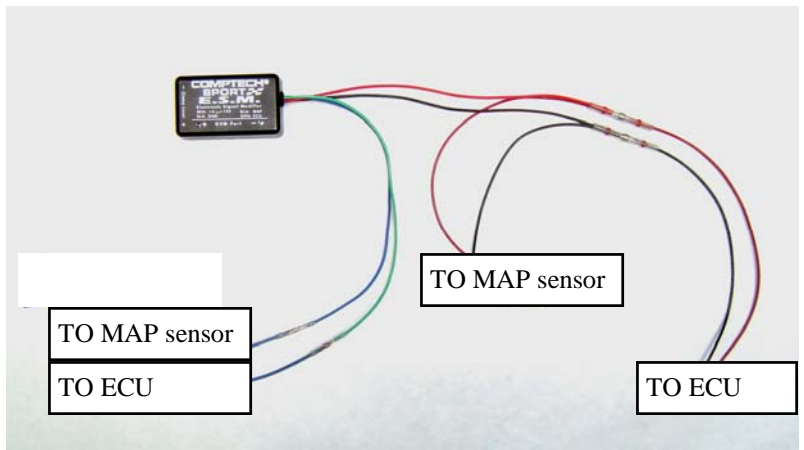
These instructions are only a guide to proper installation. It is the technicians' responsibility to confirm all connections are correct, use of the proper factory service manual is recommended. We recommend that only a competent and qualified mechanic perform this installation



**Special Notes:** ESM control Voltage is **preset** for Honda and Acura automobiles @ 2.93v (NSX, S2000 & 03 CL-S 6-speed) or 2.84v (Accord V6, CL-S, TL-S supercharger kits). **THERE IS NO REASON TO ADJUST THE ESM FOR HONDA OR ACURA VEHICLES.** If using this ESM on vehicles other than Honda and Acura, voltage may need to be adjusted based on MAP sensor output determined by Manufacturer and specific engine and vehicle type. Adjustment is accomplished with ESM installed and ignition switch on. Insert Volt meter probes into ESM as marked on front panel. Adjust by turning screw on end of ESM. Clockwise will increase voltage reading. Counterclockwise will decrease voltage reading. Exact voltage should be set just below the voltage required to set ECU into default mode.

**Solder Splice Connectors:** Solder splice connectors have a solder ring and a heat shrink insulator sleeve. When insulation sleeve is heated, it shrinks and the meltable color coded adhesive ring flow, sealing the connection. The solder ring also melts for a secure solder joint. Be sure too use a heat gun when heating the solder splice connectors and do not use an open flame torch( it will make to much heat and burn the connector). Make sure to be very careful when heating the solder splice connectors that you do not get anything else in the area too hot.

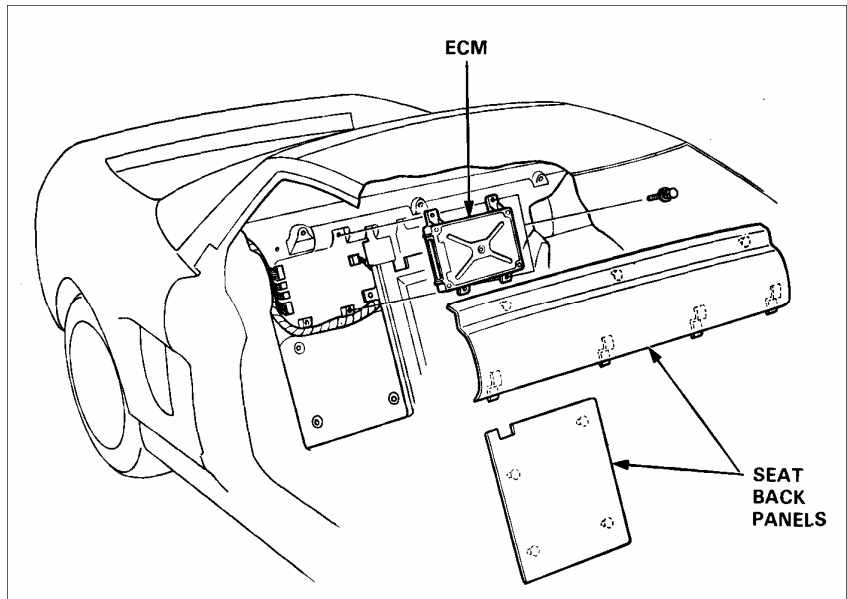
- 1) Disconnect negative terminal of battery.
- 2) Confirm correct plug, pin # and wire colors on ECU and ESM match the diagram provided. All connections are in one plug, check diagram for your vehicle. If there is any discrepancy between your car and the instructions consult the factory service manual to confirm proper pin locations.
- 3) Locate and confirm Signal wire from MAP sensor to ECU. Cut wire approximately 2" from plug. Strip a 1/2" of jacket off each end of the signal wire to expose the bare wire. Using the smaller of the two solder splice connectors (Clear adhesive ring) connect the signal from the ECU to the green wire on the ESM. Using the other small/clear solder splice connector connect the signal wire from the MAP sensor to the blue wire on the ESM.
- 4) Locate and confirm the MAP sensor ground wire. Cut the wire approximately 2" from plug. Strip a 1/2" of jacket off each end of the ground wire to expose the bare wire. Using the larger solder splice connector (red adhesive ring) connect the black wire from the ESM to the ground wire. On one side of the solder splice connector you will have one wire coming from the ECU into it and on the other side you will have two wires going into it, one from the MAP sensor along with the black wire from the ESM.
- 5) Locate and confirm the MAP sensor power wire cut the wire approximately 2" from plug. Strip a 1/2" of jacket off each end of the power wire to expose the bare wire. Using the larger solder splice connector (red adhesive ring) connect the red wire from the ESM to the power wire. On one side of the solder splice connector you will



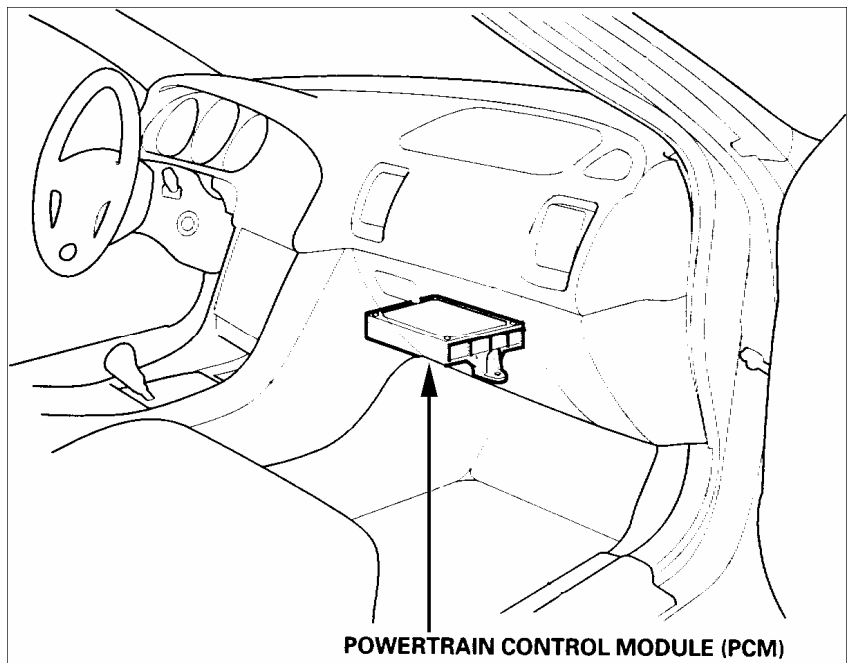


# Engine Control Unit Locations

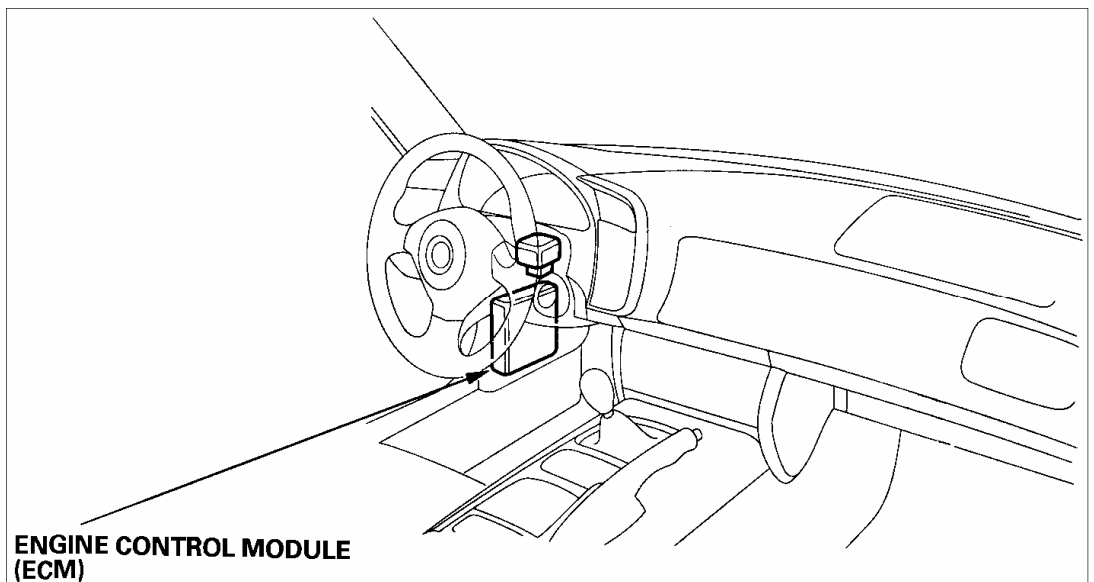
91-05 Acura NSX



98-02 Honda Accord V6  
01-03 Acura CL & CL-S  
99-03 Acura TL & TL-S  
(behind center console)



00-05 Honda S2000



## Comptech Product Warranty

**Comptech USA** - All products manufactured by Comptech USA are warranted against defects in materials and workmanship for a period of two years from date of original purchase. This warranty applies only to the original retail purchaser and is not transferable. This warranty is intended to cover Comptech products when they are used in the manner for which they were originally designed. This limited warranty shall be void on all products found to have been used in racing or off-road applications, of any nature whatsoever, and on all products that show evidence of abuse, lack of maintenance, improper installation, misapplication, alteration in any way whatsoever from their original design or negligence in the use of Comptech products by the original retail purchaser or by any agent of the original purchaser. The warranty specifically excludes, but is not limited to; brake pad material, brake rotors, clutch friction surfaces, belts, normal maintenance items, and those items designated as a racing part. This warranty applies only to products made by Comptech USA, and does not include claims for labor or inconvenience. This warranty does not cover consequential damages claimed as a result of the failure or use of a Comptech product. Other products distributed by Comptech USA are covered by the terms of that manufacturer's warranty. Comptech reserves the right to change product design and/or specification without prior notice.

Warranty Service Procedure - In the event a problem develops with a Comptech product, please contact Comptech USA at 916.933.1080 during our normal business hours (8 AM to 5 PM M-F PST).

1. It may be determined that the product will have to be returned to Comptech for warranty inspection. A Return Goods Authorization will be assigned to you and is required for return, unless specified otherwise by a Comptech employee.
2. The retailer or the customer should return the product in question, freight prepaid. It must be accompanied by the original sales receipt and a clear description of the problem.
3. If the product is determined to be defective and within the warranty period, Comptech will repair, replace or issue a credit to the customer at Comptech's discretion. Any repaired or replaced product will be returned to sender, freight prepaid via UPS or truck.
4. No replacement warranty parts will be shipped until original parts are returned to Comptech USA for inspection.

Returns - In the event that a purchase must be returned, please contact a Comptech salesperson for a Return Goods Authorization number.

1. All returns must have the RGA number clearly written on shipping label or box, or shipment may be refused.
2. No returns after 14 days.
3. A 20% restocking fee will be assessed on all merchandise returned in 100% resalable condition (clean packaging, all pieces intact, etc.). If returned goods are not 100% resalable, an additional charge will be assessed. If merchandise is damaged, or shows signs of installation, the return will be disallowed.
4. All returns must be freight prepaid.
5. Special Orders parts are not returnable.
6. All approved returns are for credit only.

Comptech USA  
4717 Golden Foothill Parkway  
El Dorado Hills, CA 95762  
Phone : 916.933.1080  
Fax: 916.939.9196