

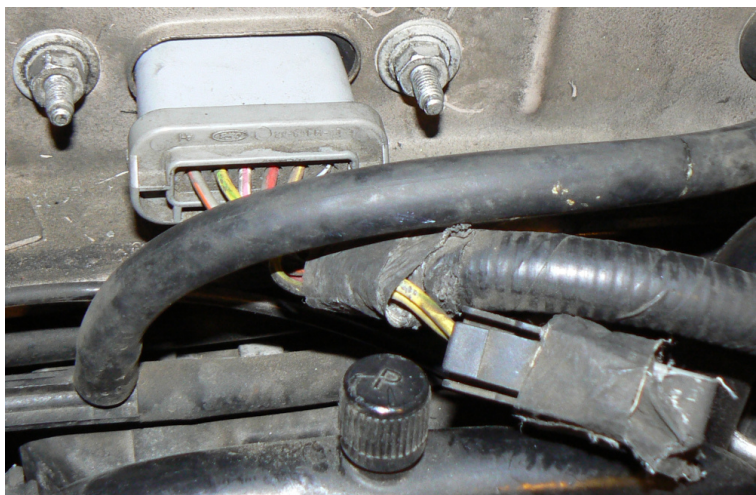
1993 Mercury Sable Wagon Ignition Control Module Replacement

OBD1 (On-Board Diagnostics 1) Code Reader Result

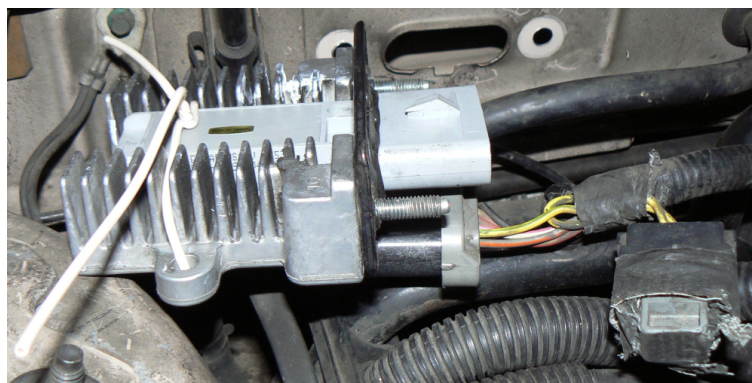
KOEO (Key On Engine Off)		
DTC (Diagnostic Trouble Code)	Test Condition	Fault Code Definition
<u>111</u>	O (Key On Engine Off)	System PASS
157	C (Continuous Memory)	Mass air flow sensor fault, low voltage
<u>212</u>	C (Continuous Memory)	<u>Loss of IDM (Ignition Diagnostic Monitor) signal</u> <causes # of cylinder failure below>
543	C (Continuous Memory)	Fuel pump secondary circuit fault

KOER (Key On Engine Running)		
DTC (Diagnostic Trouble Code)	Test Condition	Fault Code Definition
<u>4</u>	<u>Cylinders</u>	<u><must be 6></u>
521	R (Key On Engine Running)	Power steering pressure switch circuit fault <Half turn of steering wheel during KOER necessary>
536	R (Key On Engine Running)	Brake on/off (BOO) circuit not activated during KOER <Depression of brake pedal necessary>

OBDI scanner DTC exhibited bad behavior of ignition control module.



Old Ignition Control Module Installed



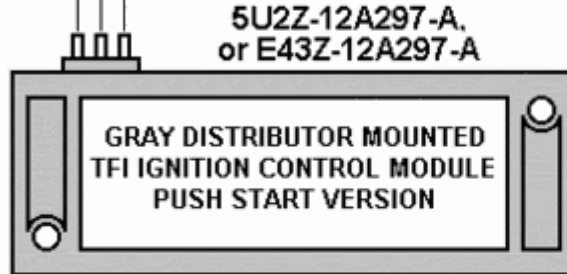
Testing under Old (Gray) & New Module (Black)

Motorcraft DY1075 or 5U2Z-12A297-B



- 6 PIP in
- 5 SPOUT in
- 4 START SIGNAL in
- 3 RUN POWER in
- 2 COIL NEGATIVE
- 1 IGNITION GROUND

HALL EFFECT GROUND
HALL EFFECT POWER
PROFILE IGNITION PICKUP (PIP) SIGNAL
MOTORCRAFT DY1074 or DY426
5U2Z-12A297-A,
or E43Z-12A297-A



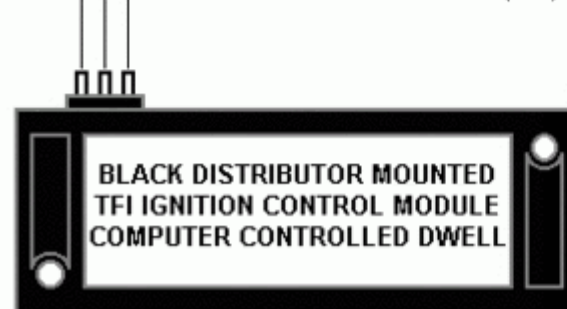
- 6 PIP out
- 5 SPOUT in
- 4 START SIGNAL in
- 3 RUN POWER in
- 2 COIL NEGATIVE
- 1 IGNITION GROUND

MOTORCRAFT DY1077 or DY697
5U2Z-12A297-D or F1PZ-12A297-A



- 6 PIP in
- 5 SPOUT in
- 4 IDM out
- 3 RUN POWER in
- 2 COIL NEGATIVE
- 1 IGNITION GROUND

HALL EFFECT GROUND
HALL EFFECT POWER
PROFILE IGNITION PICKUP (PIP) SIGNAL

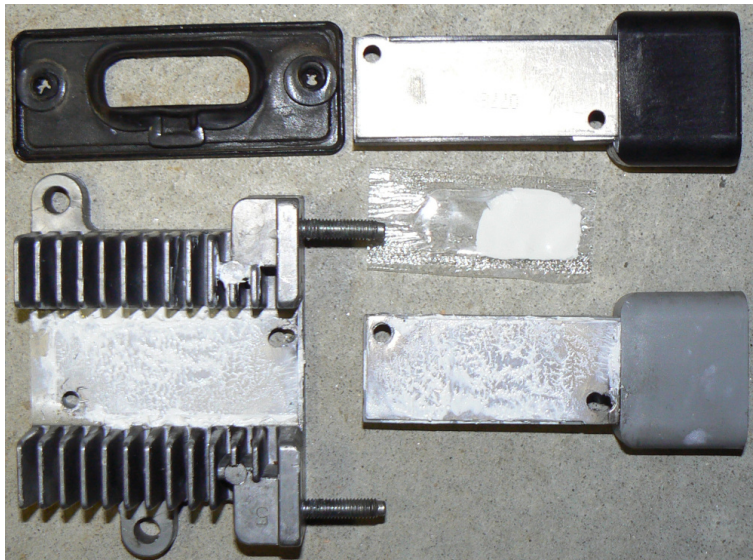


- 6 PIP out
- 5 SPOUT in
- 4 IDM out
- 3 RUN POWER in
- 2 COIL NEGATIVE
- 1 IGNITION GROUND

MOTORCRAFT DY1076 or DY504
5U2Z-12A297-C or E6SZ-12A297-A

DY1077 (Computer Controlled Dwell type) can be applied for the following models.

FORD All Models-V6-232 3.8L (91 - 93)
FORD THUNDERBIRD-V6-232 3.8L (94 - 95)
FORD THUNDERBIRD-V6-232 3.8L (96 - 97)
FORD TAURUS-V6-232 3.8L (94 - 95)
FORD All Models-V8-302 5.0L (94 - 95)
FORD THUNDERBIRD-V8-302 5.0L (91 - 93)
FORD All Models- 4-1991 2.0L DOHC (93 - 93)
FORD All Models- 4-1991 2.0L DOHC (95 - 95)
FORD All Models- 4-1991 2.0L DOHC (96 - 97)
LINCOLN All Models-V6-232 3.8L (91 - 91)
LINCOLN All Models-V6-232 3.8L (92 - 94)
MERCURY All Models-V6-232 3.8L (91 - 94)
MERCURY All Models-V6-232 3.8L (96 - 97)
MERCURY COUGAR-V6-232 3.8L (95 - 95)
MERCURY SABLE-V6-232 3.8L (95 - 95)
MERCURY All Models-V8-302 5.0L (92 - 93)
MERCURY COUGAR-V8-302 5.0L (91 - 91)
FORD TRUCK All Models-V6-183 3.0L (90 - 91)
FORD TRUCK All Models-V6-183 3.0L (92 - 94)



New (Black) & Old module (Gray) with Heatsink



Replaced