

<ul style="list-style-type: none"> • DIAGNOSTIC TOOLS AND ADAPTERS (ELECTRONIC)—DESCRIPTIVE LIST • ELECTRONIC DIAGNOSTIC TOOLS AND ADAPTERS—DESCRIPTIVE LIST • TRANSMISSION—ELECTRONIC DIAGNOSTIC TOOLS AND ADAPTERS—DESCRIPTIVE LIST 	Article No. 93-5-5
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FORD: 1989-1993 ESCORT, FESTIVA, PROBE

MERCURY: 1989 TRACER
1991-1993 CAPRI, TRACER
1993 VILLAGER

ISSUE

The diagnostic tools and breakout box adapter applications for the vehicles listed above are not easily found in the Service or Powertrain Control/Emissions Diagnosis Manuals.

ACTION

Refer to Figures 1-5 for a list of the diagnostic tool applications listing the model, year and engine

transaxle combinations. Refer to Figures 6-11 for descriptions and instructions for connecting various breakout box adapters.

OTHER APPLICABLE ARTICLES: NONE

WARRANTY STATUS: INFORMATION ONLY

OASIS CODES: 190000, 290000, 390000, 590000, 690000

1989-1993 ESCORT/TRACER DIAGNOSTIC TOOLS							
YEAR	ENGINE	MECS/EEC IV NGS/SUPERSTAR II	MONITOR		4EAT		EEC IV BREAKOUT BOX
			ADAPTER	OVERLAY	ADAPTER	OVERLAY	
1989	1.6L ATX TRACER	ADAPTER #007- 00052 OR 00036	007-00038	#27	N/A	N/A	ADAPTER # 007-00038
	1.6L MTX TRACER	ADAPTER #007- 00052 OR 00036	007-00038	#27	N/A	N/A	ADAPTER # 007-00038
1989	1.9L CFI ESCORT	NO ADAPTER NEEDED	EEC IV	#1	N/A	N/A	EEC IV
	1.9L EFI ESCORT	NO ADAPTER NEEDED	EEC IV	#5	N/A	N/A	EEC IV
1990	1.9L CFI	NO ADAPTER NEEDED	EEC IV	#1	N/A	N/A	NO ADAPTER NEEDED
	1.9L EFI	NO ADAPTER NEEDED	EEC IV	#5	N/A	N/A	NO ADAPTER NEEDED
1991	1.8L ATX	ADAPTER #007- 00052 OR 00049	007-00057	#36	007-00095A	3122-691	ADAPTER # 007-00057
	1.8L MTX	ADAPTER #007- 00052 OR 00049	007-00057	#36	N/A	N/A	ADAPTER # 007-00057
	1.9L ATX	NO ADAPTER NEEDED	EEC IV	#41	007-00095A	3122-691	NO ADAPTER NEEDED
	1.9L MTX	NO ADAPTER NEEDED	EEC IV	#41	N/A	N/A	NO ADAPTER NEEDED
1992	1.8L ATX	ADAPTER #007- 00052 OR 00049	007-00057	#36	007-00095A	3122-691	ADAPTER # 007-00057
	1.8L MTX	ADAPTER #007- 00052 OR 00049	007-00057	#36	N/A	N/A	ADAPTER # 007-00057
	1.9L ATX	NO ADAPTER NEEDED	EEC IV	#41	007-00095A	3122-691	NO ADAPTER NEEDED
	1.9L MTX	NO ADAPTER NEEDED	EEC IV	#41	N/A	N/A	NO ADAPTER NEEDED
1993	1.8L ATX	ADAPTER #007- 00052 OR 00049	T92C-6000-AH	#60	007-00100B	3122-731	ADAPTER # T92C-6000-AH
	1.8L MTX	ADAPTER #007- 00052 OR 00049	007-00057	#63	N/A	N/A	ADAPTER # 007-00057
	1.9L ATX	NO ADAPTER NEEDED	EEC IV	#41 REV. A	007-00100C	3122-732	NO ADAPTER NEEDED
	1.9L MTX	NO ADAPTER NEEDED	EEC IV	#41 REV. A	N/A	N/A	NO ADAPTER NEEDED

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Figure 1 - Article 93-5-5

1989-1991 PROBE DIAGNOSTIC TOOLS							
YEAR	ENGINE	MECS/EEC IV NGS/SUPERSTAR II	MONITOR		4EAT		EEC IV BREAKOUT BOX
			ADAPTER	OVERLAY	ADAPTER	OVERLAY	
1989	2.2L ATX	ADAPTER #007-00052 OR 00036	007-00038	#27	NO ADAPTER NEEDED	3122-693	ADAPTER # 007-00038
	2.2L MTX	ADAPTER #007-00052 OR 00036	007-00038	#27	NO ADAPTER NEEDED	N/A	ADAPTER # 007-00038
	2.2L TURBO	ADAPTER #007-00052 OR 00036	007-00038	#28	NO ADAPTER NEEDED	3122-693	ADAPTER # 007-00038
1990	2.2L ATX	ADAPTER #007-00052 OR 00036	007-00058	#39	007-0095B	3122-692	ADAPTER # 007-00058
	2.2L MTX	ADAPTER #007-00052 OR 00036	007-00057	#38	N/A	N/A	ADAPTER # 007-00057
	2.2L ATX TURBO	ADAPTER #007-00052 OR 00036	007-00058	#40	007-0095A	3122-690	ADAPTER # 007-00058
	2.2L MTX TURBO	ADAPTER #007-00052 OR 00036	007-00058	#40	N/A	N/A	ADAPTER # 007-00058
	3.0L ATX	ADAPTER #007-00052 OR 00036	EEC IV	#43	007-0095A	3122-690	NO ADAPTER NEEDED
	3.0L MTX	ADAPTER #007-00052 OR 00036	EEC IV	#43	N/A	N/A	NO ADAPTER NEEDED
1991	2.2L ATX	ADAPTER #007-00052 OR 00036	007-00058	#39	007-0095B	3122-692	ADAPTER # 007-00058
	2.2L MTX	ADAPTER #007-00052 OR 00036	007-00057	#38	N/A	N/A	ADAPTER # 007-00057
	2.2L ATX TURBO	ADAPTER #007-00052 OR 00036	007-00058	#40	007-0095A	3122-690	ADAPTER # 007-00058
	2.2L MTX TURBO	ADAPTER #007-00052 OR 00036	007-00058	#40	N/A	N/A	ADAPTER # 007-00058
	3.0L ATX	ADAPTER #007-00052 OR 00036	EEC IV	#43	007-0095A	3122-690	NO ADAPTER NEEDED
	3.0L MTX	ADAPTER #007-00052 OR 00036	EEC IV	#43	N/A	N/A	NO ADAPTER NEEDED

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Figure 2 - Article 93-5-5

1992-1993 PROBE DIAGNOSTIC TOOLS							
YEAR	ENGINE	MECS/EEC IV NGS/SUPERSTAR II	MONITOR		4EAT		EEC IV BREAKOUT BOX
			ADAPTER	OVERLAY	ADAPTER	OVERLAY	
1992	2.2L ATX	ADAPTER #007-00052 OR 00036	007-00058	#39	007-0095B	3122-692	ADAPTER # 007-00058
	2.2L MTX	ADAPTER #007-00052 OR 00036	007-00057	#38	N/A	N/A	ADAPTER # 007-00057
	2.2L ATX TURBO	ADAPTER #007-00052 OR 00036	007-00058	#40	007-0095A	3122-690	ADAPTER # 007-00058
	2.2L MTX TURBO	ADAPTER #007-00052 OR 00036	007-00058	#40	N/A	N/A	ADAPTER # 007-00058
	3.0L ATX	ADAPTER #007-00052 OR 00036	EEC IV	#43	007-0095A	3122-690	NO ADAPTER NEEDED
	3.0L MTX	ADAPTER #007-00052 OR 00036	EEC IV	#43	N/A	N/A	NO ADAPTER NEEDED
1993	2.0L ATX	ADAPTER # 007-00052	T92C-6000-AH	#61	007-00100B	3122-697	T92C-6000-AH
	2.0L MTX	NO ADAPTER NEEDED	EEC IV	#57	N/A	N/A	NO ADAPTER NEEDED
	2.5L ATX	ADAPTER # 007-00052	T92C-6000-AH	#62	007-00100A	3122-696	T92C-6000-AH
	2.5L MTX	ADAPTER # 007-00052	T92C-6000-AH	#62	N/A	N/A	T92C-6000-AH

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Figure 3 - Article 93-5-5

1989-1993 FESTIVA DIAGNOSTIC TOOLS							
YEAR	ENGINE	MECS/EEC IV NGS/SUPERSTAR II	MONITOR		4EAT		EEC IV BREAKOUT BOX
			ADAPTER	OVERLAY	ADAPTER	OVERLAY	
1989	1.3L FBC	ADAPTER #007-00052 OR 00036	007-00027	#22	N/A	N/A	ADAPTER #007-00027
	1.3L EFI	ADAPTER #007-00052 OR 00036	007-00045	#30	N/A	N/A	ADAPTER #007-00045
1990	1.3L ATX	ADAPTER #007-00052 OR 00036	007-00057	#37	N/A	N/A	ADAPTER #007-00057
	1.3L MTX	ADAPTER #007-00052 OR 00036	007-00057	#37	N/A	N/A	ADAPTER#007-00057
1991	1.3L ATX	ADAPTER #007-00052 OR 00036	007-00057	#37	N/A	N/A	ADAPTER #007-00057
	1.3L MTX	ADAPTER #007-00052 OR 00036	007-00057	#37	N/A	N/A	ADAPTER#007-00057
1992	1.3L ATX	ADAPTER #007-00052 OR 00036	007-00057	#37	N/A	N/A	ADAPTER #007-00057
	1.3L MTX	ADAPTER #007-00052 OR 00036	007-00057	#37	N/A	N/A	ADAPTER#007-00057
1993	1.3L ATX	ADAPTER #007-00052 OR 00036	007-00057	#37	N/A	N/A	ADAPTER #007-00057
	1.3L MTX	ADAPTER #007-00052 OR 00036	007-00057	#37	N/A	N/A	ADAPTER#007-00057

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Figure 4 - Article 93-5-5

1993 VILLAGER DIAGNOSTIC TOOLS			
NGS	PCM ADAPTER	TCM ADAPTER	ABS ADAPTER
NO ADAPTER NEEDED	#007-00053	#007-00054	#007-00055

1991-1993 CAPRI DIAGNOSTIC TOOLS							
YEAR	ENGINE	MECS/EEC IV NGS/SUPERSTAR II	MONITOR		4EAT		EEC IV BREAKOUT BOX
			ADAPTER	OVERLAY	ADAPTER	OVERLAY	
1991 THRU 1993	1.6L ATX	ADAPTER #007-00052 OR 00036	007-00038	#46	007-0095A	3122-694	ADAPTER #007-00038
	1.6L MTX	ADAPTER #007-00052 OR 00036	007-00038	#46	N/A	N/A	ADAPTER #007-00038
	1.6L TURBO	ADAPTER #007-00052 OR 00036	007-00038	#47	N/A	N/A	ADAPTER #007-00038

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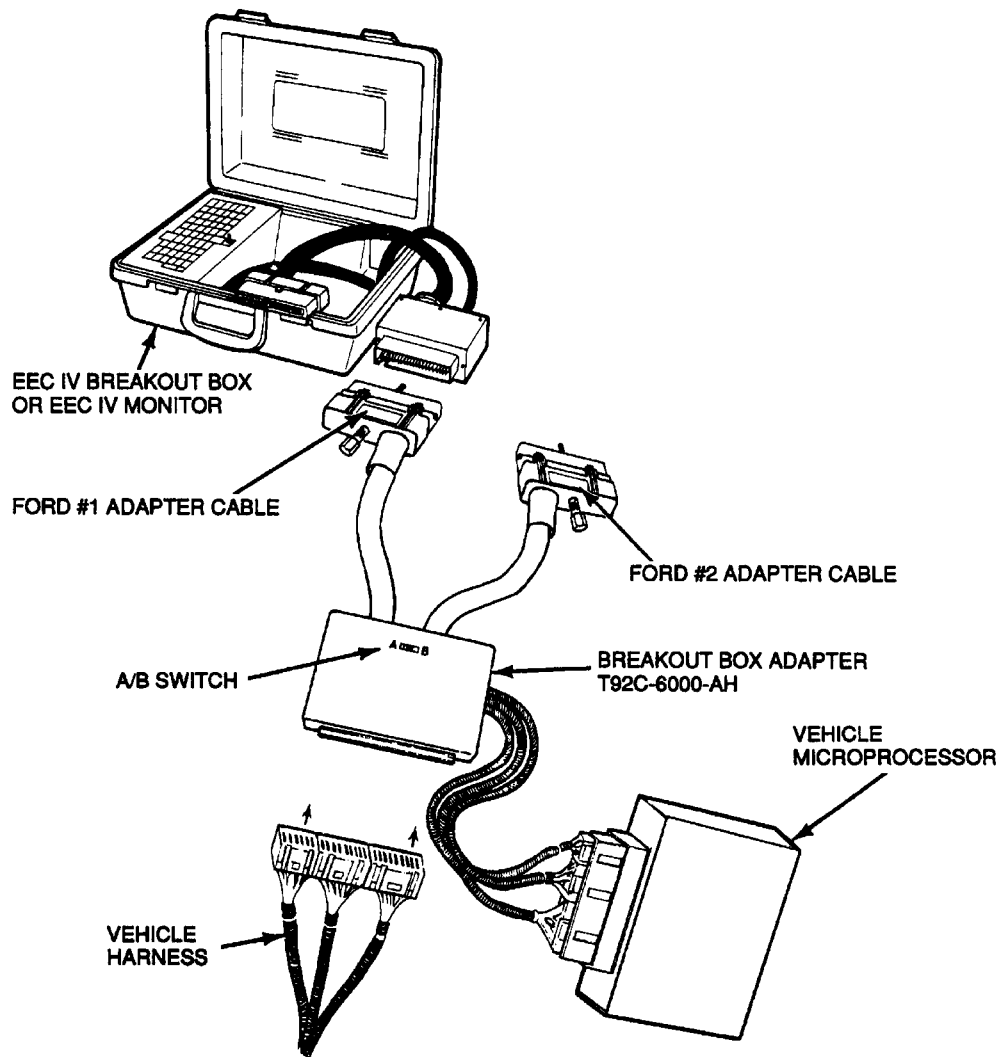
Figure 5 - Article 93-5-5

**BREAKOUT BOX ADAPTER
T92C-6000-AH**

APPLICATION: 1993 PROBE 2.0L AND 2.5L ENGINES

NOTE: Application instructions for this adapter are found in the diagnostics manual for each particular system.

1. Disconnect the vehicle harness from the vehicle microprocessor.
2. Connect the vehicle harness to the **Breakout Box Adapter (T92C-6000-AH)**.
3. Attach the adapter harness to the vehicle microprocessor.
4. Determine which of the adapter's two 60-pin connectors is correct for your application. Fasten the 60-pin connector to the EEC IV Breakout Box or the EEC IV Monitor. Use a 10mm open end wrench to tighten the connection.
5. Refer to the diagnostic manual for the system being tested to determine the correct position of the A/B switch. (An A/B switch is required to enable testing of all 64 lines of the 1993 Probe microprocessor using the EEC IV Breakout Box or EEC IV Monitor.) Place the A/B switch in the correct position.



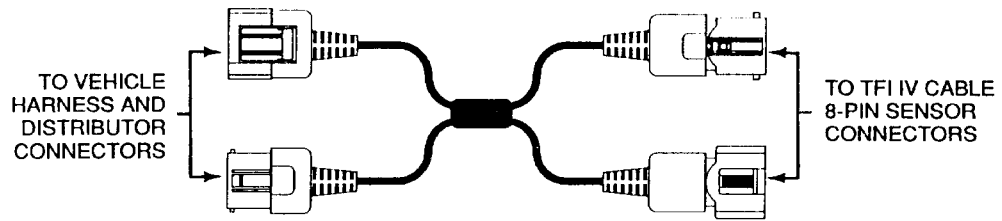
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Figure 6 - Article 93-5-5

**TFI IV CABLE PIP ADAPTER
007-00083**

APPLICATION: 1993 PROBE 2.0L MTX

1. Disconnect the vehicle harness from the distributor.
2. Connect one end of the **TFI IV Cable PIP Adapter (007-00083)** to the vehicle harness and distributor connectors.
3. Connect the other end of the **Adapter** to the TFI IV cable 8-pin sensor connectors.
4. Install the overlay card on the previously released Breakout Box (T83L-50-EEC-IV) for correct pinouts.



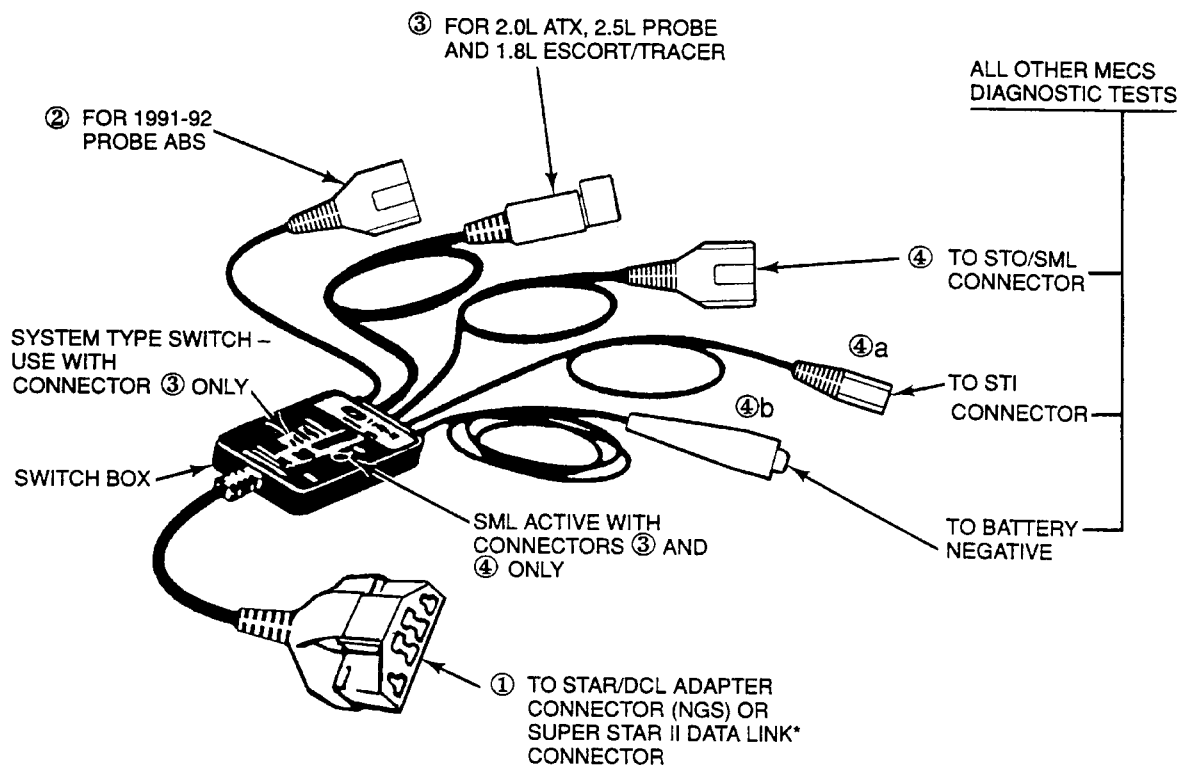
PIP ADAPTER AND OVERLAY CARD FOR TFI IV CABLE (007-00097)

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Figure 7 - Article 93-5-5

SUPER MECS ADAPTER
007-00052

APPLICATION: 1989-93 PROBE, 1988-92 FESTIVA, 1988-93 TRACER, 1991-93 ESCORT, 1991-92 CAPRI



The Super MECS Adapter allows you to connect the Super STAR II or NGS to MECS type Data Link* connectors. The Super MECS Adapter can be used for all MECS Diagnostic Tests**.

- Connect Super MECS Adapter to Super STAR II or to NGS's STAR/DCL Adapter (see ①).
- Select Super MECS Connector (either ②, ③, or ④) based on the desired Diagnostic Test**.
- When using connector ③, you must select a System Type on the Switch Box.
- When using connector ④, you must also connect ④a and ④b.
- Connect selected Super MECS connector to vehicle's Data Link* connector (refer to Service Manual for location).
- Refer to Service Manual for Diagnostic Test Instructions.

* SELF-TEST CONNECTOR

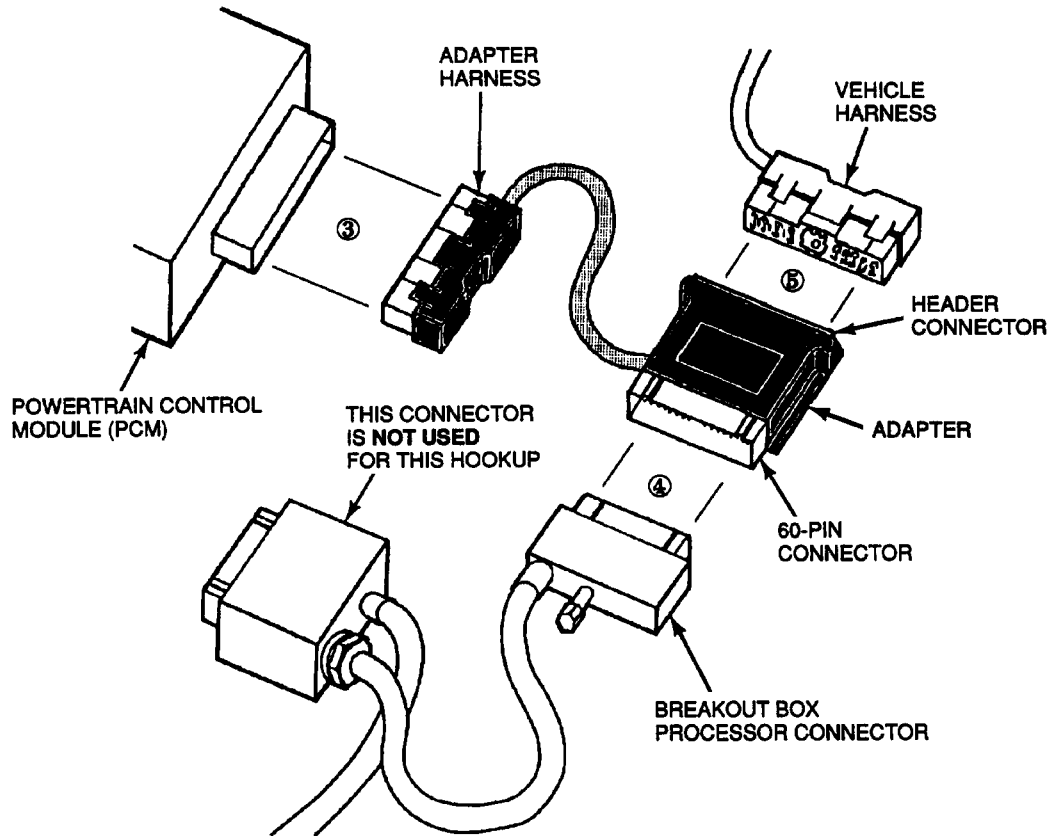
** SELF-TEST

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Figure 8 - Article 93-5-5

**BREAKOUT BOX ADAPTER
007-00053**

APPLICATION: 1993 MERCURY VILLAGER ENGINES



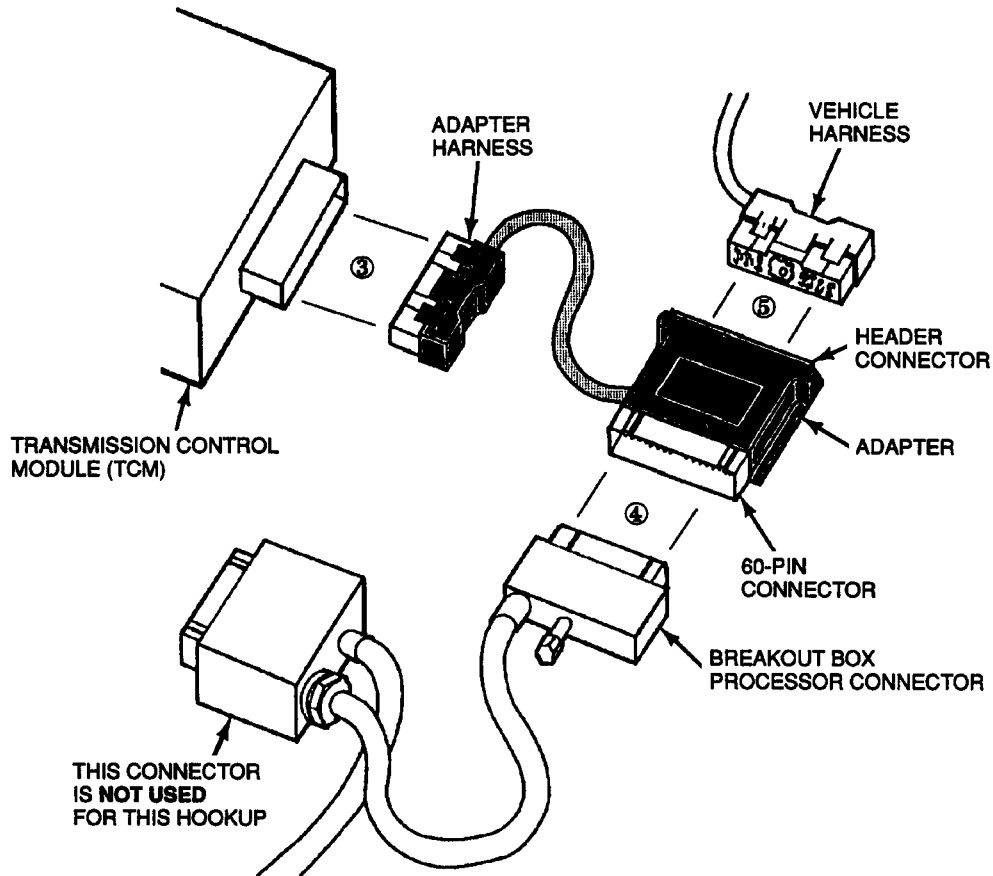
- ① Key off.
- ② Disconnect VEHICLE HARNESS from PCM.
- ③ Connect ADAPTER HARNESS to PCM.
- ④ Connect Breakout Box's PROCESSOR CONNECTOR to adapter's 60-PIN CONNECTOR.
- ⑤ Connect VEHICLE HARNESS to adapter's HEADER CONNECTOR.
- ⑥ Refer to Service Manual for Diagnostic Test Instructions.

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Figure 9 - Article 93-5-5

**BREAKOUT BOX ADAPTER
007-00054**

APPLICATION: 1993 MERCURY VILLAGER 4F20E TRANSMISSION CONTROL MODULE



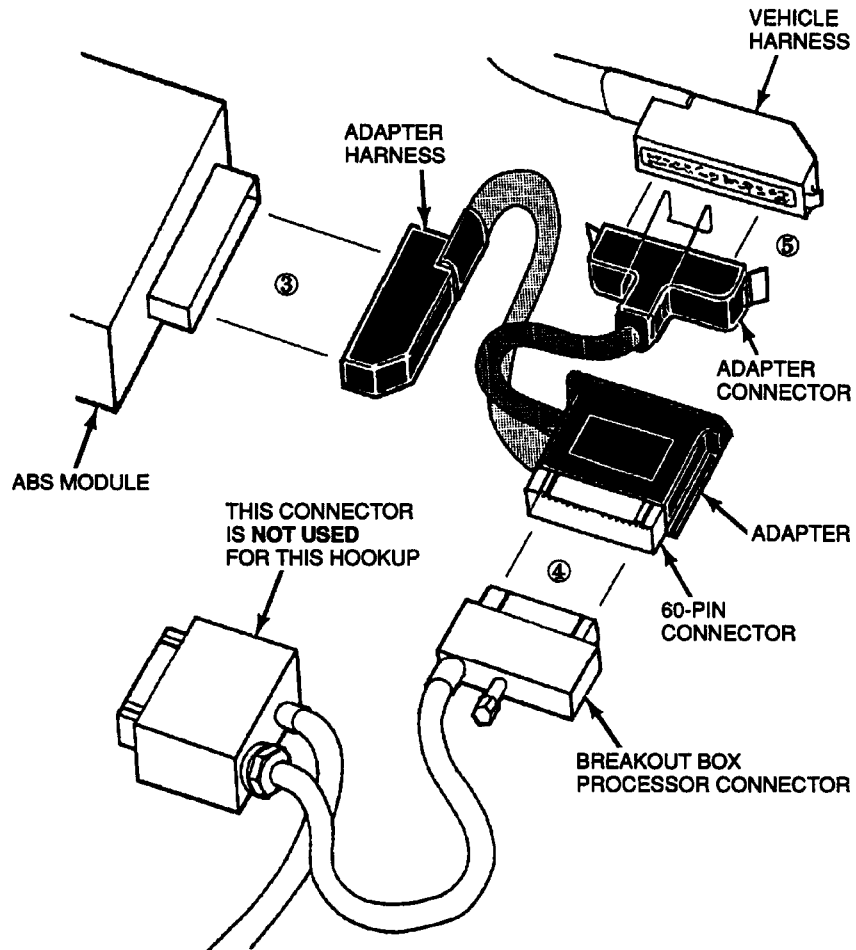
- ① Key off.
- ② Disconnect VEHICLE HARNESS from TCM.
- ③ Connect ADAPTER HARNESS to TCM.
- ④ Connect Breakout Box's PROCESSOR CONNECTOR to adapter's 60-PIN CONNECTOR.
- ⑤ Connect VEHICLE HARNESS to adapter's HEADER CONNECTOR.
- ⑥ Refer to Service Manual for Diagnostic Test Instructions.

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Figure 10 - Article 93-5-5

**BREAKOUT BOX ADAPTER
007-00055**

APPLICATION: 1993 MERCURY VILLAGER ABS MODULE



- ① Key off.
- ② Disconnect VEHICLE HARNESS from ABS MODULE.
- ③ Connect ADAPTER HARNESS to ABS MODULE.
- ④ Connect Breakout Box's PROCESSOR CONNECTOR to adapter's 60-PIN CONNECTOR.
- ⑤ Connect VEHICLE HARNESS to ADAPTER CONNECTOR – latch ball wire over VEHICLE HARNESS connector.
- ⑥ Refer to Service Manual for Diagnostic Test Instructions.

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Figure 11 - Article 93-5-5