

<ul style="list-style-type: none"> <li>• <b>DIAGNOSTIC TOOLS AND ADAPTERS (ELECTRONIC)—DESCRIPTIVE LIST</b></li> <li>• <b>ELECTRONIC DIAGNOSTIC TOOLS AND ADAPTERS—DESCRIPTIVE LIST</b></li> <li>• <b>TRANSMISSION—ELECTRONIC DIAGNOSTIC TOOLS AND ADAPTERS—DESCRIPTIVE LIST</b></li> </ul>	<b>Article No. 93-5-5</b>
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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

TB-2984-A

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

TB-2985-A

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

TB-2986-A

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

TB-2987-A

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

TB-2988-A

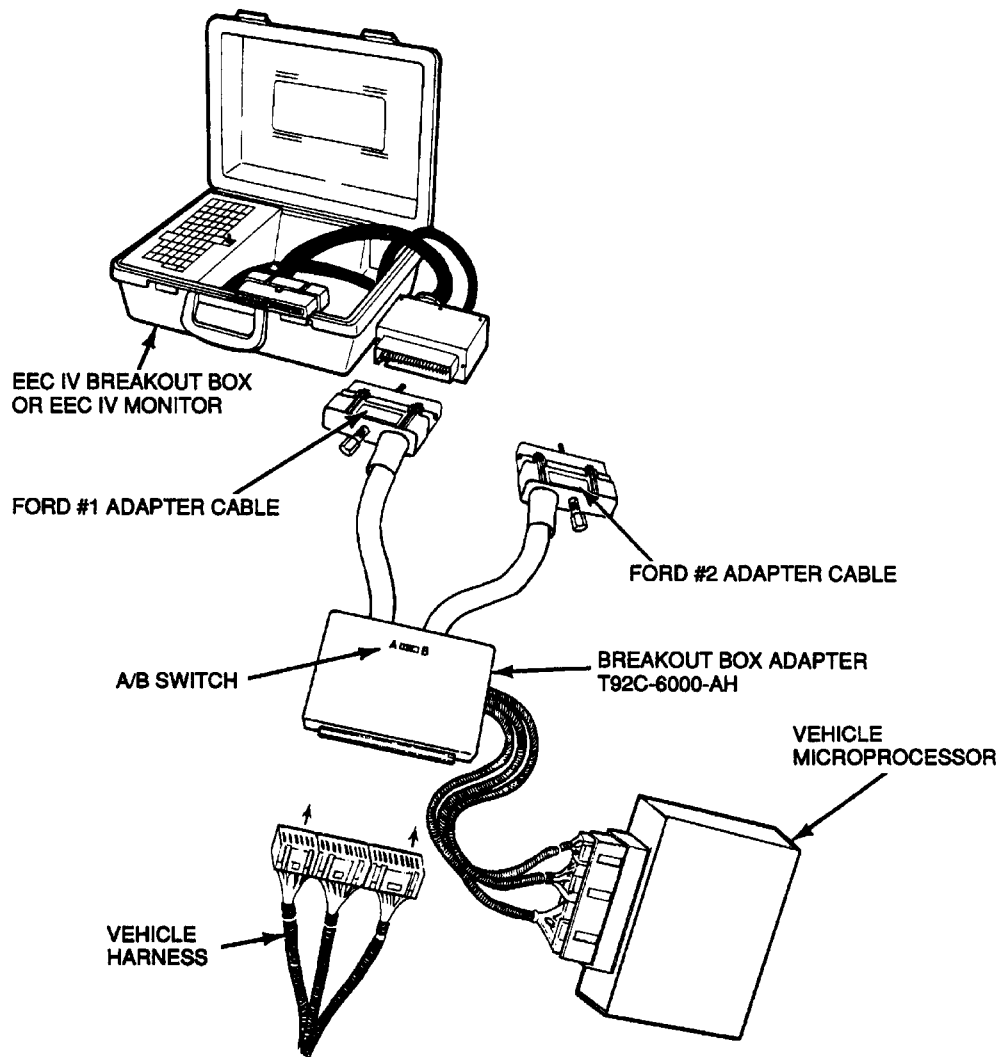
Figure 5 - Article 93-5-5

**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.



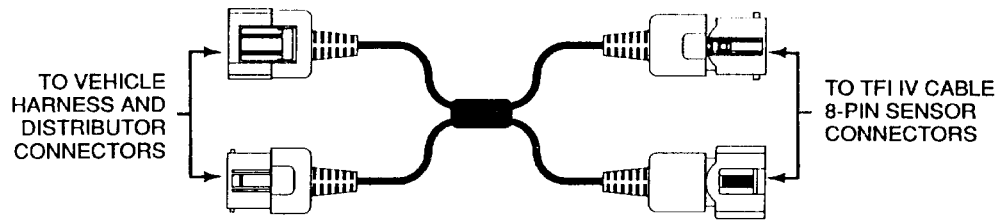
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Figure 6 - Article 93-5-5

**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.



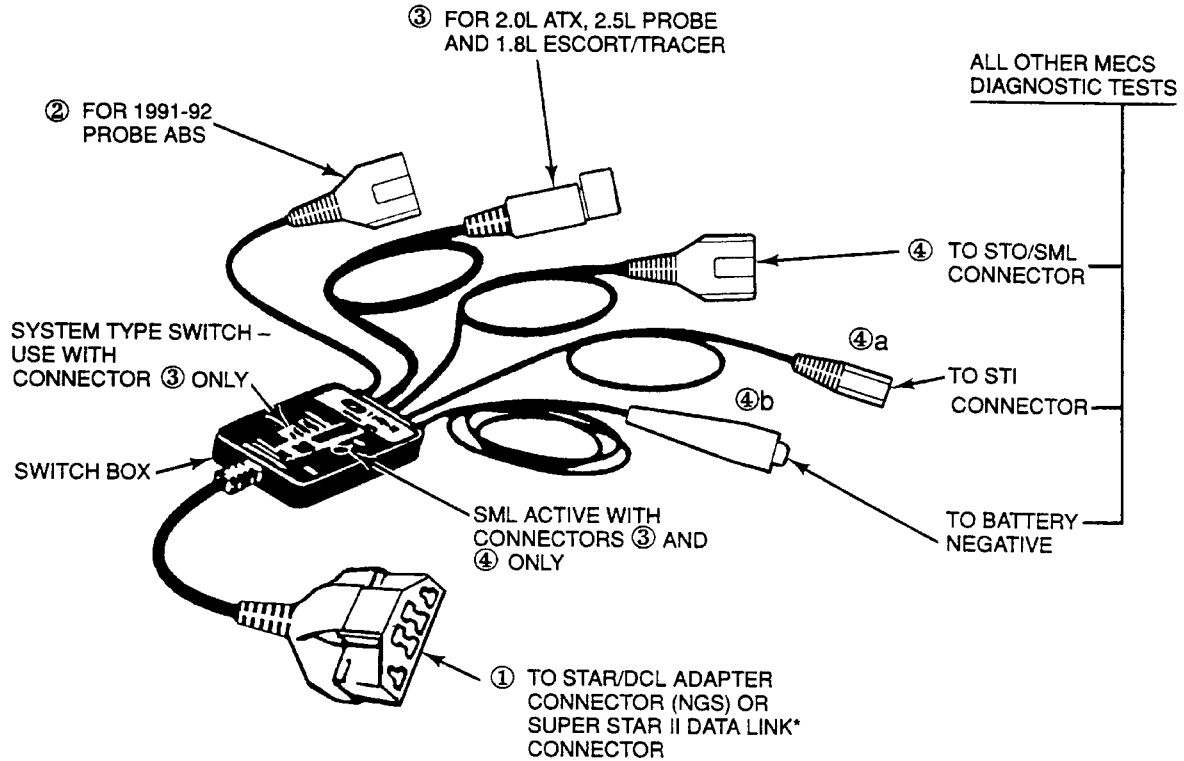
**PIP ADAPTER AND OVERLAY CARD FOR TFI IV CABLE (007-00097)**

**TB-2990-A**

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

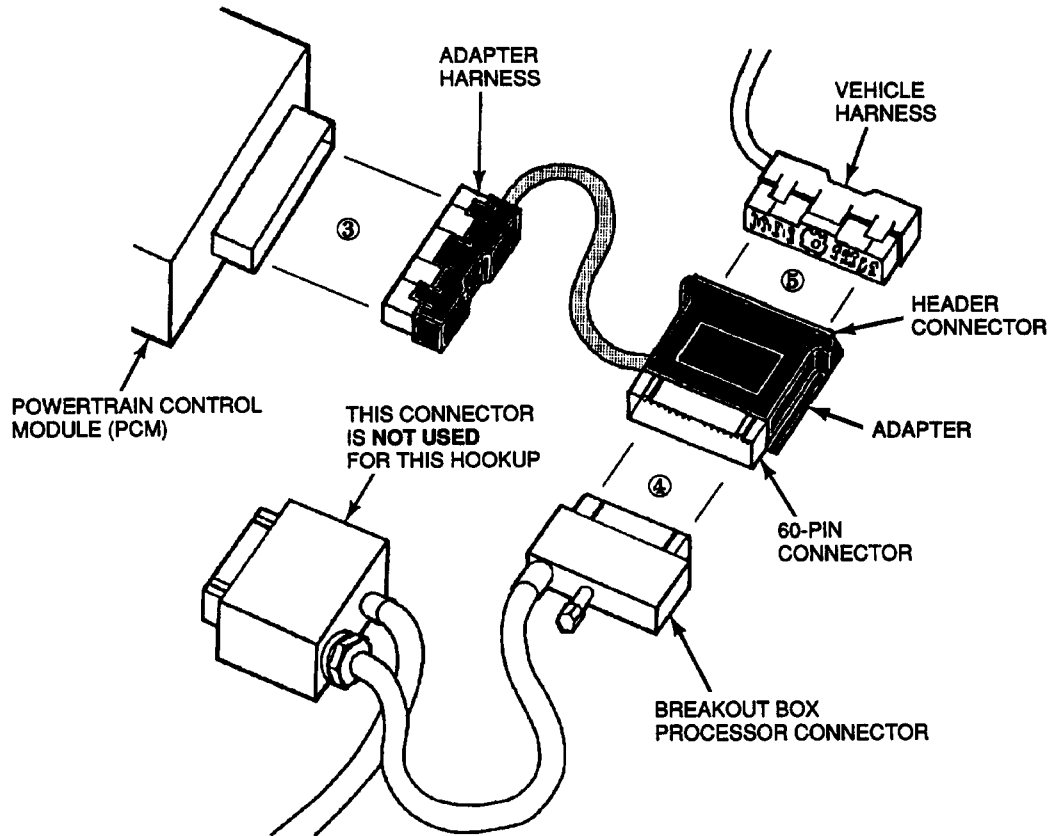
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Figure 8 - Article 93-5-5



**BREAKOUT BOX ADAPTER  
007-00053**

**APPLICATION: 1993 MERCURY VILLAGER ENGINES**



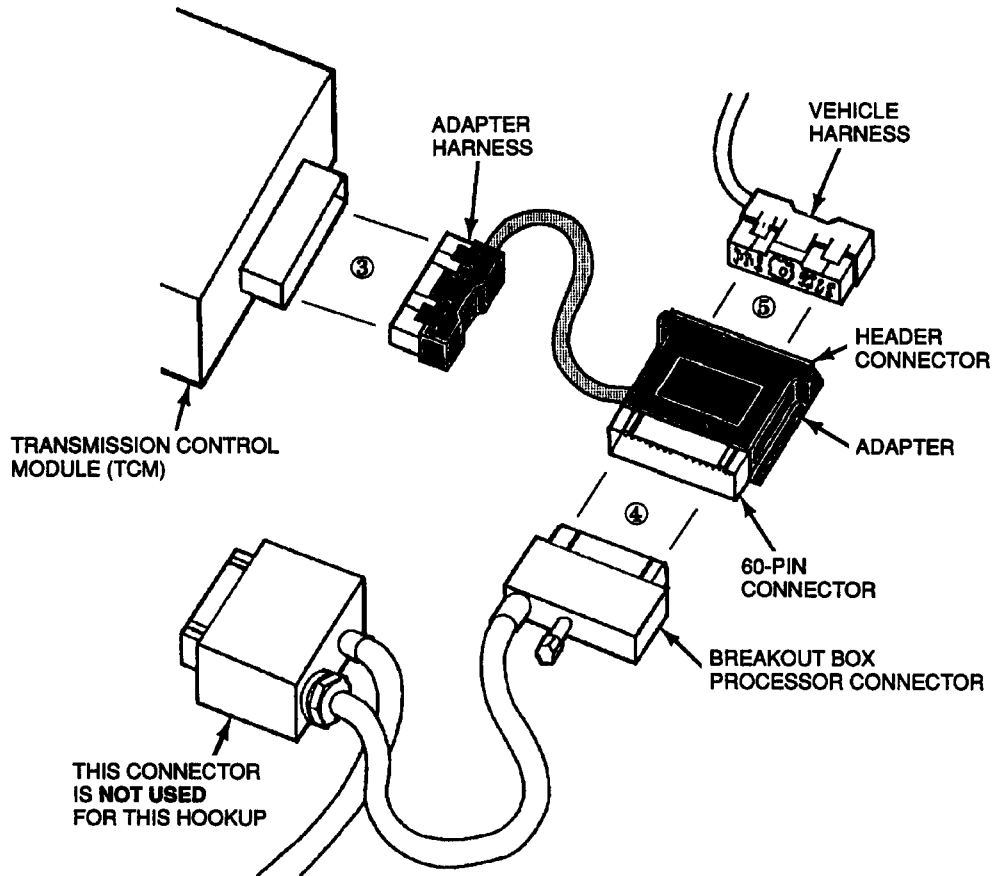
- ① Key off.
- ② Disconnect VEHICLE HARNESS from PCM.
- ③ Connect ADAPTER HARNESS to PCM.
- ④ Connect Breakout Box's PROCESSOR CONNECTOR to adapter's 60-PIN CONNECTOR.
- ⑤ Connect VEHICLE HARNESS to adapter's HEADER CONNECTOR.
- ⑥ Refer to Service Manual for Diagnostic Test Instructions.

**TB-2992-A**

Figure 9 - Article 93-5-5

**BREAKOUT BOX ADAPTER  
007-00054**

**APPLICATION: 1993 MERCURY VILLAGER 4F20E TRANSMISSION CONTROL MODULE**



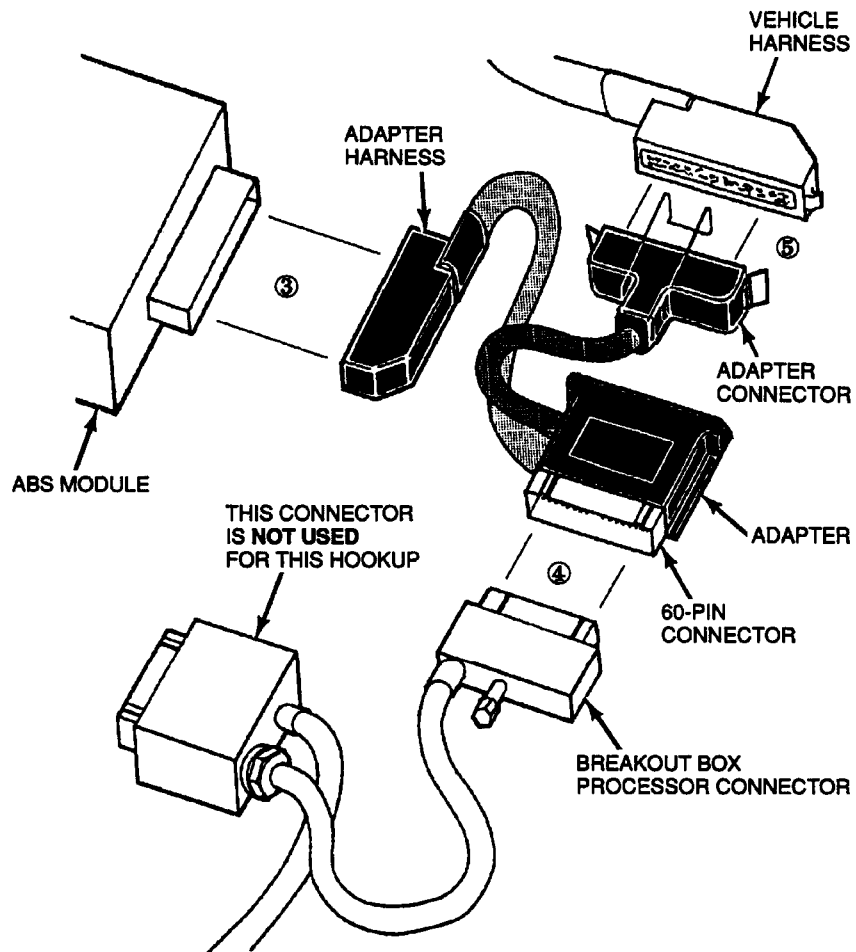
- ① Key off.
- ② Disconnect VEHICLE HARNESS from TCM.
- ③ Connect ADAPTER HARNESS to TCM.
- ④ Connect Breakout Box's PROCESSOR CONNECTOR to adapter's 60-PIN CONNECTOR.
- ⑤ Connect VEHICLE HARNESS to adapter's HEADER CONNECTOR.
- ⑥ Refer to Service Manual for Diagnostic Test Instructions.

**TB-2993-A**

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.

**TB-2994-A**

Figure 11 - Article 93-5-5