

Recall - Catalyst Inspection and/or Replacement

RECALL NUMBER 91E13

Date: May 1992

At Dealers By as Req'd

0 % of Parts Direct
Shipped to Dealers

At PDC By Now

Date in Owner Letter: XXXX, 92

To: All Dealers

SUBJECT:

Emissions Recall 91E13 - Exhaust System Catalyst Inspection/Replacement on Certain 49-States 1986/1987/1988 and 1989- Model year Passenger Cars Equipped with 2.3L and 5.0L engines.

<u>Model Year</u>	<u>Engine Size</u>	<u>Carline Affected</u>
1986	5.0L HO	Mustang/Capri/Mark VII
1987	2.3L	Mustang
	5.0L HO	Mustang/Mark VII
1988	2.3L	Mustang
	5.0L HO	Mustang/Mark VII
1989	2.3L	Mustang (Before 4/01/89)
	5.0L HO	Mustang/Mark VII (Before 10/01/88)

AFFECTED VEHICLES

These vehicles are affected by this recall.

REASON FOR RECALL:

The substrate material in the underbody catalysts on the affected cars may rattle and break up during normal customer usage. If the substrate breaks up, the exhaust emission levels may exceed Federal standards.

SERVICE ACTION:

Cars returned for service will be inspected and, if necessary, have exhaust system underbody catalysts replaced at no charge.

ATTACHMENTS

Attachment I

- ^ Administrative Information Attachment II
- ^ Labor Allowances
- ^ Parts Ordering Information
- ^ Removed Catalyst Return Instructions

Attachment III

- ^ Technical Information

Administrative Information - Attachment I

ATTACHMENT I

Emissions Recall 91E13

ADMINISTRATIVE INFORMATION

OASIS

YOU MUST USE OASIS TO DETERMINE IF A VEHICLE IS ELIGIBLE FOR THIS RECALL.

PLEASE NOTE

CORRECT ALL USED VEHICLES IN STOCK BEFORE DELIVERY

PROMPTLY CORRECT

Affected vehicles on the enclosed list.

Other eligible vehicles on hand or brought to your dealership.

DEALER-OWNER CONTACT

Immediately contact any owner you know of whose name

is not on the list. Give the owner a copy of the Owner Letter.

DISTRICT CONTACT

Advise FPSD district office if:

^ an owner cannot be contacted.

^ an owner does not make a service date.

FPSD CONTACT

Talk with your FPSD Service Zone Manager about recall

concerns.

REIMBURSEMENT

Submit claims using the 1864 format on the DWE screen. (Refer to your Warranty and Policy Manual Section 6.3 pages 5-8). Use an original repair order for your service record file.

Labor and Parts Information - Attachment II**ATTACHMENT II**

Emissions Recall 91E13

LABOR ALLOWANCE**INSPECTION**

Inspect the Exhaust System Catalyst and, if necessary, Replace the Catalyst Assembly; Prepare and Attach the Authorized Modifications Decal.

Inspection of the Catalyst and Attachment of the Decal:

0.2 Hrs. - Insert in Box "A" on Form 1864

INSPECTION AND PEPLACEMENT

Inspection and Replacement of the Exhaust System Catalyst, Attachment of the Authorized Modifications Decal (Includes Time to Prepare Removed Catalyst for Return):

Kit Code "A" (I.S. # 8053) 0.7 Hrs.

Kit Code "B" (I.S. # 8054) 1.1 Hrs.

Kit Code "C" (I.S. # 8055) 1.0 Hrs.

Insert the Appropriate Time in Box "B" on Form 1864

Note:

Add 0.1 Hour Administrative Allowance to the total repair time.

PARTS REQUIREMENTS

Parts will not be direct shipped for this recall. Order your parts requirements through normal order processing channels.

PART

NUMBER	DESCRIPTION	CLASS	PRICE
	Kit, Exhaust System Catalyst Replacement		
E8ZZ-5E212-D	Kit Code "A", 2.3L Mustang	VG	\$215.00
F1ZZ-5F250-B	Kit Code "B", 5.0L Mustang	VG	225.00

FILY-5F250-B

Kit Code "C", 5.0L Mark VII

VG

225.00

Part prices are current until the next issue of the Master Price Book. For the latest price(s), call an Order Processing Center or check an updated Master Price Book or DOES II.

EXCESS STOCK RETURN

Excess stock returned for credit must have been purchased from Ford Parts and Service Division in accordance with Policy Procedure Bulletin 4000.

PARTS RETURN INSTRUCTIONS

REMOVED CATALYSTS MUST BE RETURNED.

REMOVE EXCESS WEIGHT FROM THE CATALYSTS BY CUTTING AND DISCARDING PIPES/FLANGES AS CLOSE TO THE CATALYST SHELL AS PRACTICAL.

THE FPS-700 TAG WILL BE SENT TO YOU FOR EACH VEHICLE SERVICED. REFER TO WARRANTY AND POLICY MANUAL SECTION 7.0, PAGES 7 AND 10. HOLD REMOVED CATALYSTS UNTIL THE FPS-700 TAG IS RECEIVED.

FAILURE TO RETURN REMOVED CATALYSTS WILL RESULT IN CLAIM CHARGEBACK.

RETURN CATALYSTS VIA UNITED PARCEL SERVICE (UPS) TO THE ADDRESS ON THE FPS-700 TAG. CLAIM FOR PREPAID FREIGHT ON DWE USING FORM 1863.

ANY QUESTIONS REGARDING THE HANDLING OF REMOVED CATALYSTS SHOULD BE RESOLVED WITH YOUR SERVICE ZONE MANAGER.

87-89 Mustang 2.3L Non-Turbo

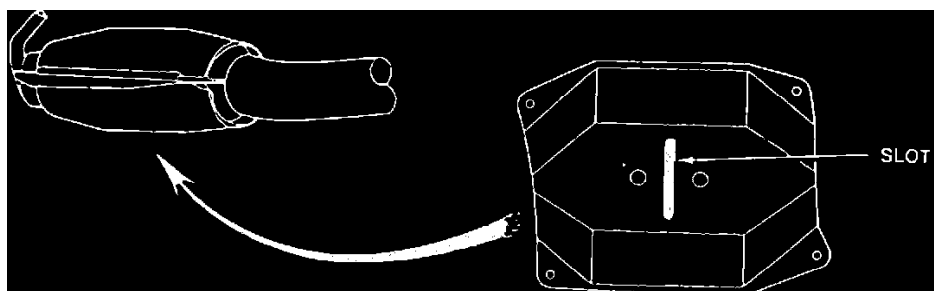
Service Part Number E8ZZ-5E212-D Kit Contents		
Component Part Number	Part Name	Quantity
F0ZZ-5E212-B	Catalyst Assembly	1
Catalyst Attaching Parts:		
N800064-S2	Stud	2
387039-S7	Nut	2
390609-S2	Stud	2
388516-S2	Nut	2
45358-S2	Nut	2
Form FPS-8262-PP	Authorized Modifications Decal (Preprinted)	1
	Catalyst Return Container	1
	I.S. 8053	1

Service Part Number

AFFECTED VEHICLES:

1987-89 Model Mustang (Built before 4/1/89) - 49 States, 2.3L Non-Turbo engine

Inspection



1. Locate the slot in the underbody of the catalyst heat shield that shows the catalyst part number. Refer to illustration.

2. Using the following part number information, determine if the catalyst assembly should be replaced.
 ^ If the part number is one of the following numbers, do not replace the catalyst assembly.

Part Number	Catch Word
E9ZC-5E212-BB	(BAG)
FOZC-5E212-AA	(DOG)
FOZC-5E212-AB	(HIT)
FOZC-5E212-AC/AD AE/AF	(ADD)

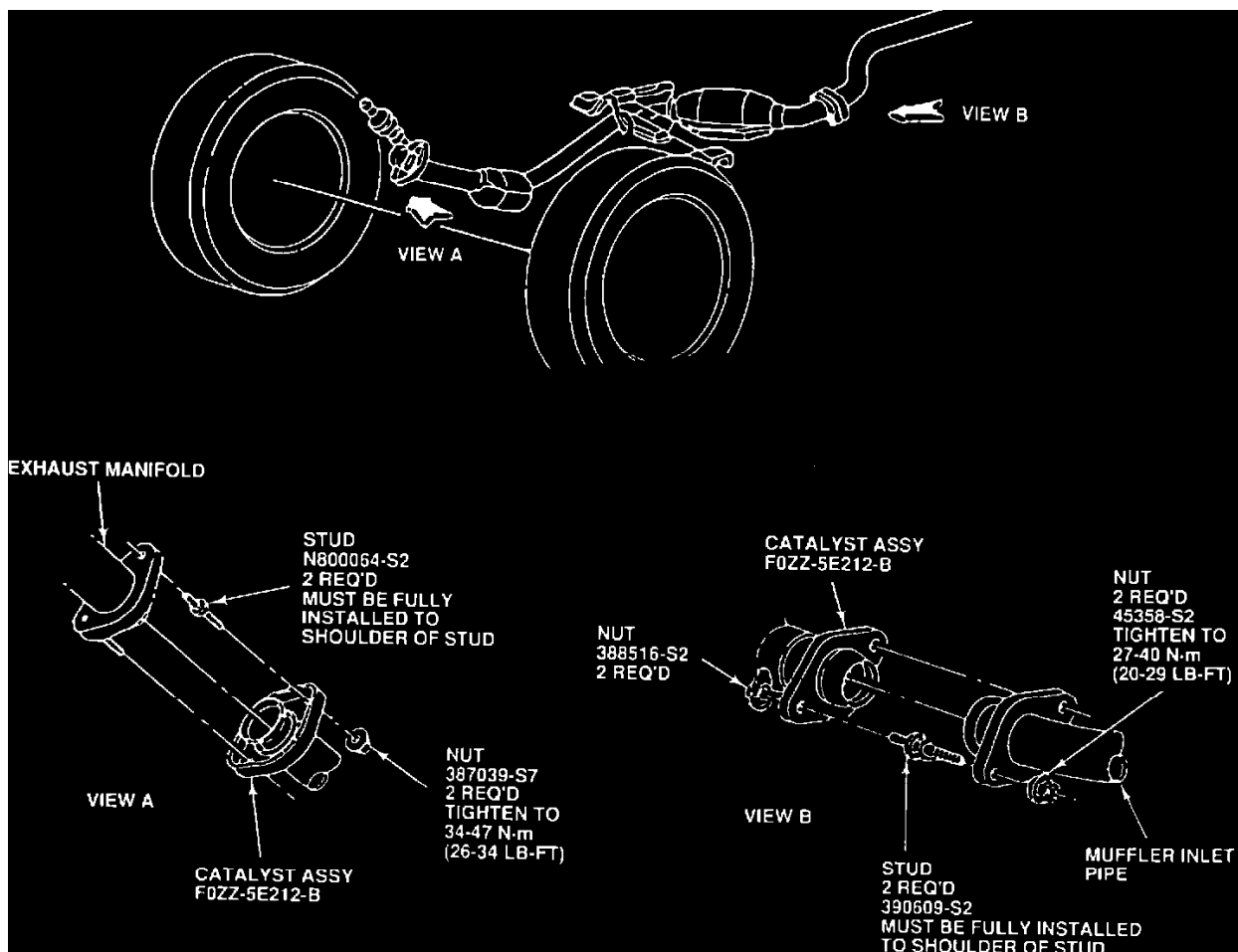
- ^ Prepare an Authorized Modifications Decal (Form-8262-PP) as follows:
 Insert your dealer P&A code, "Emissions Recall 91E13," and the date of service. Affix the decal to a clean, flat surface on the fan shroud.
 Install the clear overlay over the decal.

3. If the catalyst is not one of the part numbers, proceed with the replacement of the catalyst assembly.

Catalytic Converter

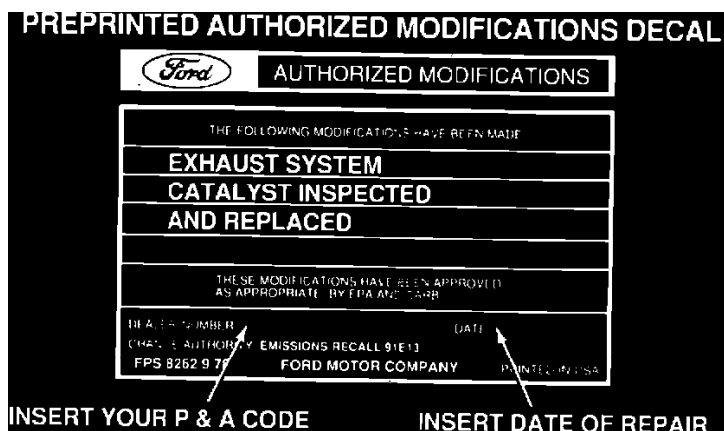
Removal

1. Disconnect downstream injection air hose connect at check valve, if so equipped.
2. Raise vehicle.
3. Support muffler with wire.
4. Remove nuts retaining converter inlet pipe flange to exhaust manifold.
5. Remove nuts retaining converter outlet flange to muffler.
6. Remove upper and lower heat shield retaining bolts.
7. Remove converter.



Installation

1. Clean exhaust manifold and catalytic converter flange seats.
2. Align upper and lower heat shields to converter flange. Install and tighten retaining bolts to 14-20 N-m (11-14 Lb.Ft).
3. Insert shield rods into front bracket insulators.
4. Position inlet pipe to manifold and install. Do not tighten retaining nuts.
5. Remove wire support from muffler assembly and install muffler inlet flange to converter outlet flange. Loosely install retaining nuts.
6. Align exhaust system to proper clearance specifications, as shown in View A of illustration.
7. Starting at the front of the system, tighten all nuts and bolts to the specifications shown.
8. Connect downstream air injection hose at check valve, if so equipped.
9. Check exhaust system for leaks.



AUTHORIZED MODIFICATIONS DECAL

The preprinted Authorized Modifications Decal shown is provided in the parts kit.

^ Insert your P&A Code and date and attach the Authorized Modifications Decal to a clean surface on the fan shroud.

^ Place the clear overlay on the decal.

86-89 Mustang 5.0L and 86 Capri HO Engine - Federal

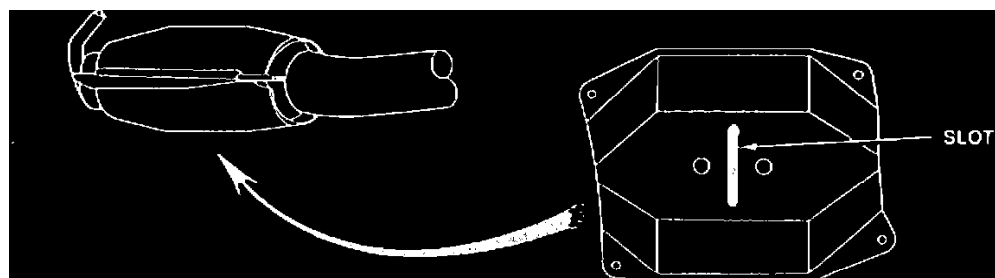
Service Part Number F1ZZ-5F250-B Kit Contents		
Component Part Number	Part Name	Quantity
E8ZZ-5F250-A	Catalyst & Y-pipe Assembly	1
Catalyst Attaching Parts:		
N804013-S2	Stud, Front Flange	4
387039-S7	Nut, Front Flange	4
388516-S2	Nut, Rear Flange	4
388690-S2	Stud, Rear Flange	4
45358-S2	Nut, Rear Flange	4
F0ZZ-5F235-A	Air Tube	1
N802597-S	Air Tube Clamp	2
N802191-S2	Bolt	1
E8DZ-9A487-A	Check Valve	1
B7A-8287-A	Clamp, Air Tube (at valve)	1
Form FPS-8262-PP	Authorized Modifications Decal (Preprinted)	1
	Catalyst Return Container	1
	I.S. 8054	1

Service Part Number

AFFECTED VEHICLES:

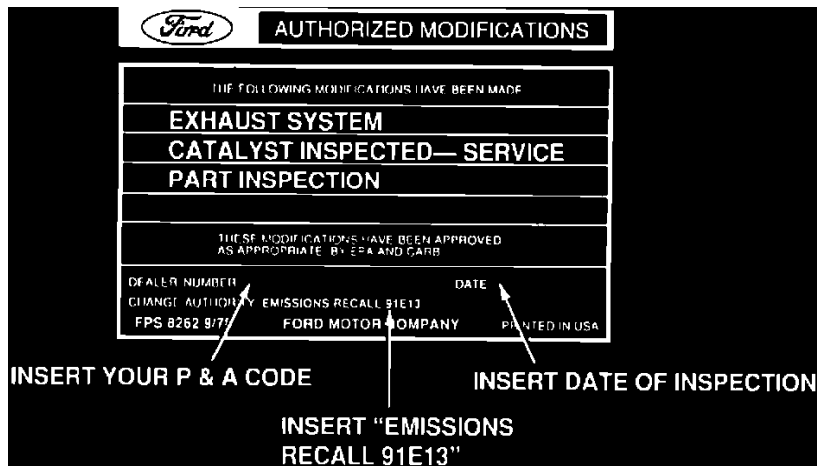
1986-89 Model Mustang and 1986 Capri (Built before 10/1/88) - 49 States, 5.0: HO engine

Inspection



1. Locate the slot in the underbody of the catalyst heat shield that shows the catalyst part number. If the part number is E8ZC-5F250-DA (Catch

Word -- ACT), do not replace the catalyst assembly.



- ^ Prepare an Authorized Modifications Decal (Form-8262-PP) as follows:
 Insert your dealer P&A code, "Emissions Recall 91E13" and the date of service. Affix the decal to a clean, flat surface on the fan shroud.
 Install the clear overlay over the decal.

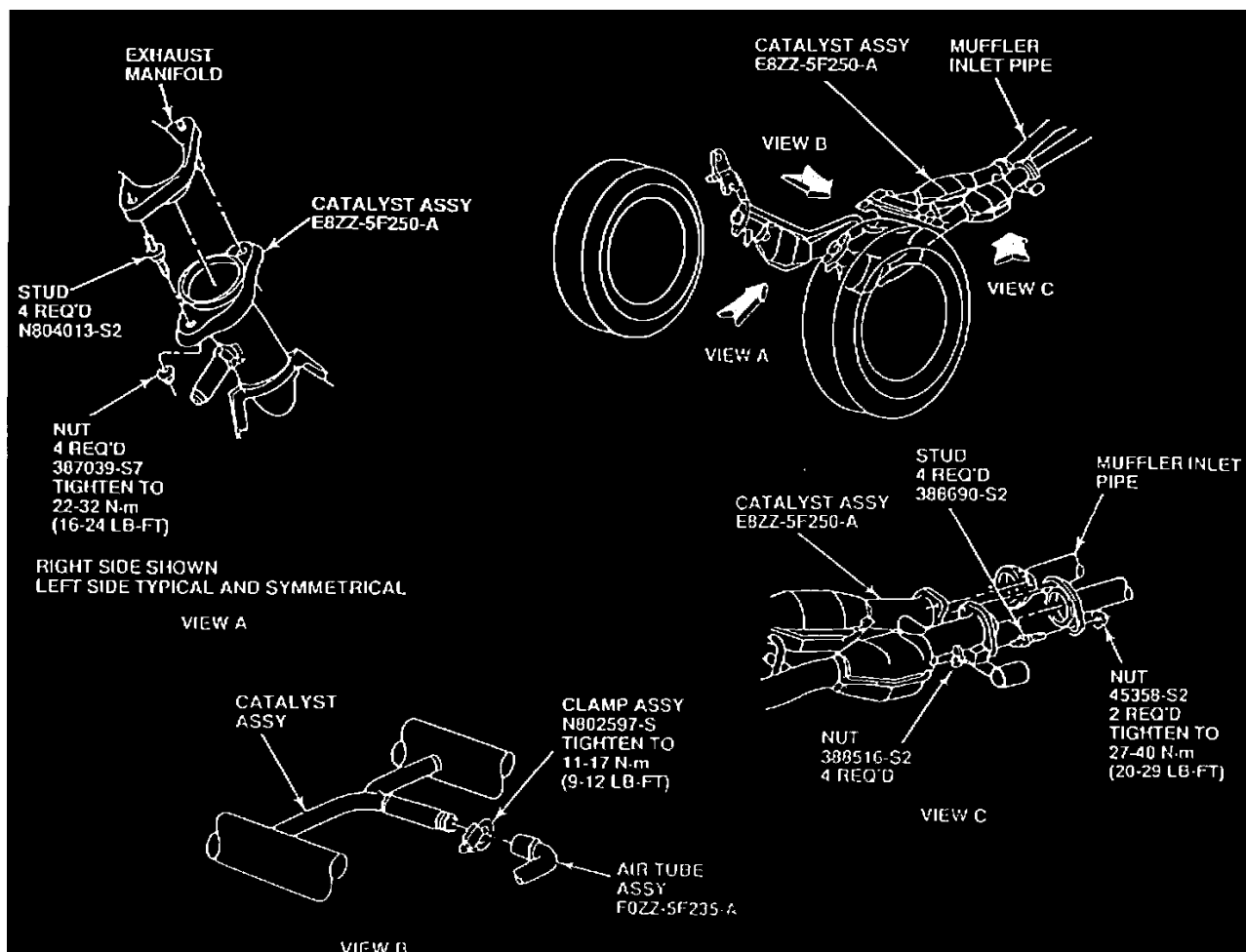
2. If the catalyst is not one of the part numbers, proceed with the replacement of the catalyst assembly.

Catalytic Converter

Removal

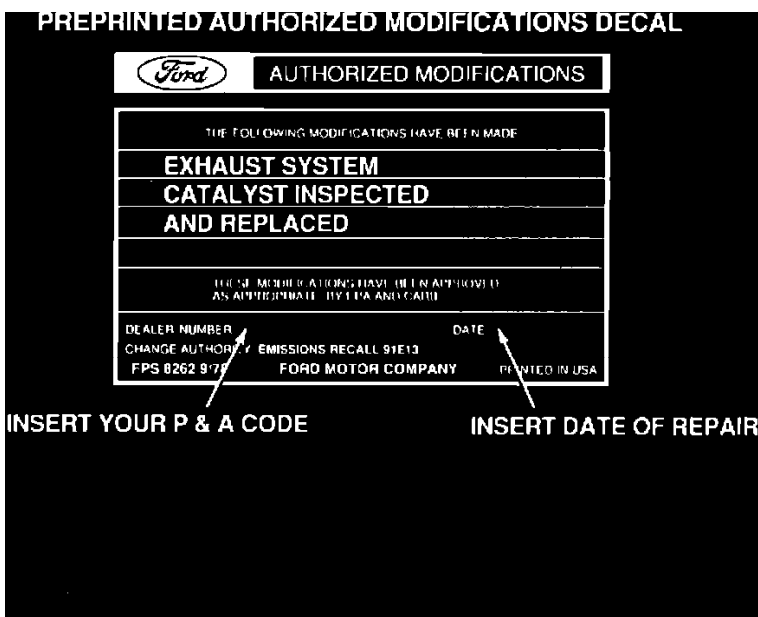
1. Raise vehicle.
2. Remove air injection tube and check valve.
3. Remove bolts attaching catalytic converter to inlet pipes.
4. Remove nuts attaching muffler inlet pipe to converter outlet flange.
5. Disconnect HEGO sensor.
6. Remove converter.
7. Replace any damaged parts.

Installation



1. Insert converter hanger rod into hanger brackets.
2. Connect HEGO sensor.
3. Position converter to inlet pipes and install new retaining bolts. Do not tighten bolts.
4. Position muffler inlet flange to converter outlet flange and install retaining nuts. Do not tighten nuts.
5. Align exhaust system, refer to illustration.
6. With exhaust system aligned:
 - a. Tighten converter to exhaust manifold nuts to 22-32 N·m (16-24 Lb.Ft.).
 - b. Tighten muffler inlet pipe to converter outlet flange retaining nuts to 27-40 N·m (20-29 Lb.Ft.). Refer to illustration.
 - c. Install air tube and check valve.
7. Check system for leaks and lower vehicle.

AUTHORIZED MODIFICATIONS DECAL



The preprinted Authorized Modifications Decal shown is provided in the parts kit.

^ Insert your P & A Code and date and attach the Authorized Modifications Decal to a clean surface on the fan shroud.

^ Place the clear overlay on the decal.

86-89 Mark VII 5.0L HO Engine - Canadian & Federal

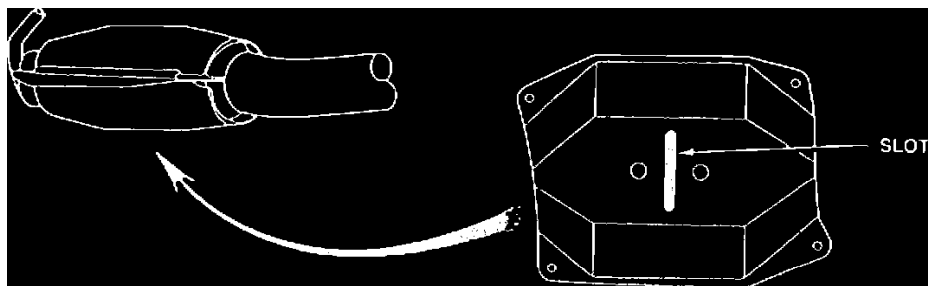
Service Part Number F1LY-5F250-B Kit Contents		
Component Part Number	Part Name	Quantity
E8LY-5F250-A	Catalyst & Y-pipe Assembly	1
Catalyst Attaching Parts:		
N804013-S2	Stud, Front Flange	4
387039-S7	Nut, Front Flange	4
388516-S2	Nut, Rear Flange	4
388690-S2	Stud, Rear Flange	4
45358-S2	Nut, Rear Flange	4
E6LY-5F235-A	Air Tube	1
N802597-S	Air Tube Clamp	2
N802191-S2	Bolt	1
E8DZ-9A487-A	Check Valve	1
B7A-8287-A	Clamp, Air Tube (at valve)	1
Form FPS-8262-PP	Authorized Modifications Decal (Preprinted)	1
	Catalyst Return Container	1
	I.S. 8055	1

Service Part Number

AFFECTED VEHICLES:

1988-89 Model Mark VII (Built before 10/1/88) - 49 States, 5.0L HO engine 1986-89 Model Mark VII (Built before 10/1/88) - Canadian, 5.0L HO engine 1986-87 Model Mark VII (Covered Under Previous Recall) - 49 States, 5.0L HO engine

Inspection



1. Locate the slot in the underbody of the catalyst heat shield that shows the catalyst part number. If the part number is E8LC-5FZ-50-FA (Catch Word - DIE), do not replace the catalyst assembly.

AUTHORIZED MODIFICATIONS		
THE FOLLOWING MODIFICATIONS HAVE BEEN MADE		
EXHAUST SYSTEM		
CATALYST INSPECTED— SERVICE		
PART INSPECTION		
THESE MODIFICATIONS HAVE BEEN APPROVED AS APPROPRIATE, BY EPA AND CARB		
DEALER NUMBER	EMISSIONS RECALL 91E13	DATE
CHANGE AUTHORITY	FORD MOTOR COMPANY	PRINTED IN USA
FPS 8262 9/77		
INSERT YOUR P & A CODE		INSERT DATE OF INSPECTION
INSERT "EMISSIONS RECALL 91E13"		

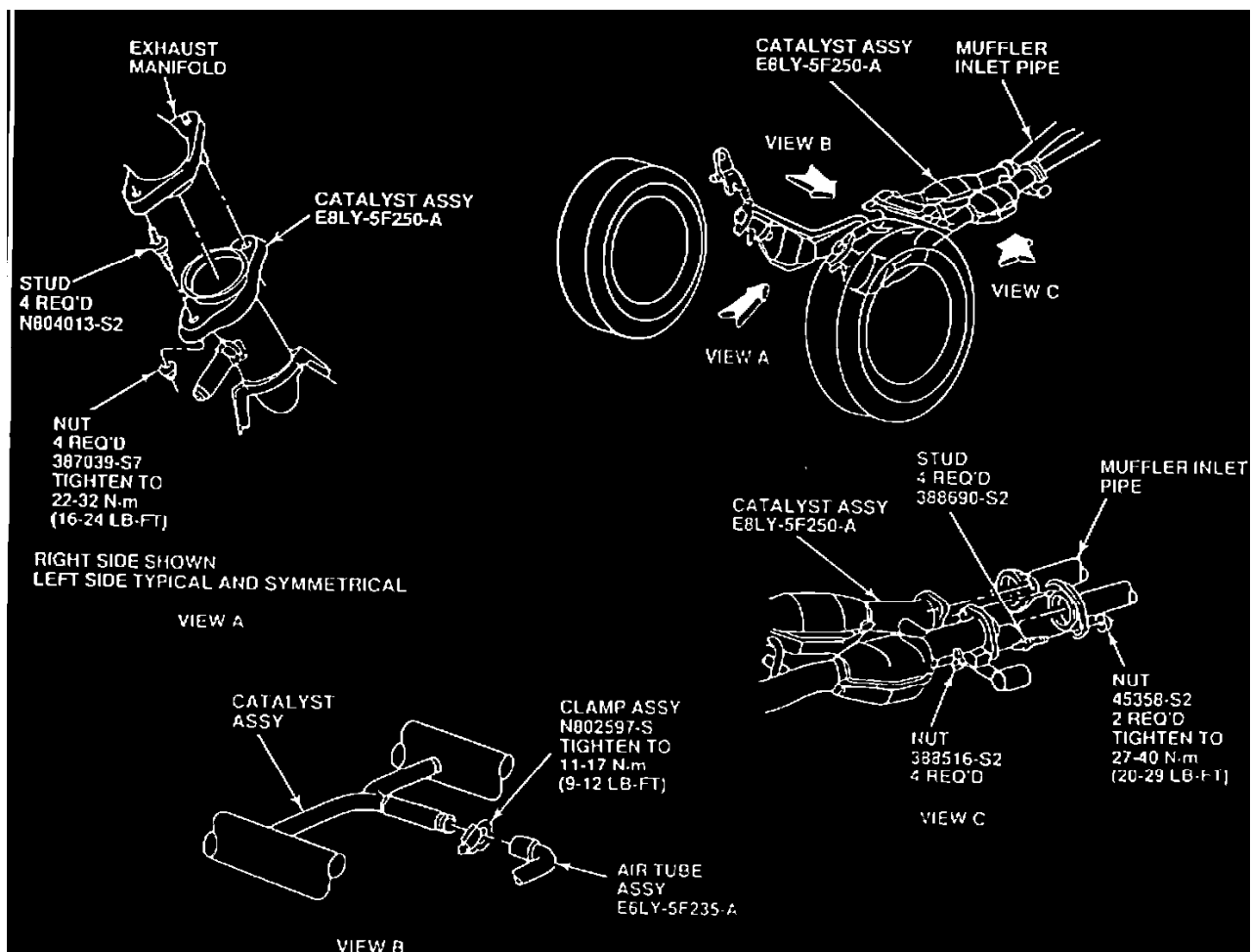
1. Prepare an Authorized Modifications Decal (Form-8262-PP) as follows:
Insert your dealer P&A code, "Emissions Recall 91E13" and the date of service. Affix the decal to a clean, flat surface on the fan shroud. Install the clear overlay over the decal.
2. If the catalyst is not one of the part numbers, proceed with the replacement of the catalyst assembly.

Catalytic Converter

Removal

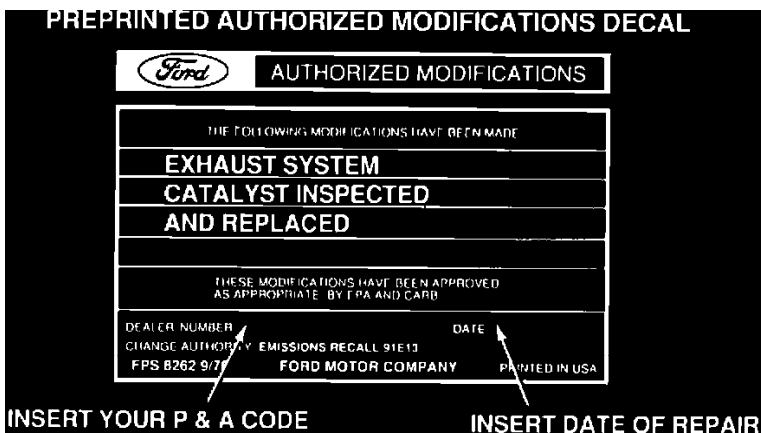
1. Raise vehicle.
2. Remove air injection tube and check valve.
3. Remove bolts attaching catalytic converter to inlet pipes.
4. Remove nuts attaching muffler inlet pipe to converter outlet flange.
5. Disconnect HEGO sensor.
6. Remove converter.
7. Replace any damaged parts.

Installation



1. Insert converter hanger rod into hanger brackets.
2. Connect HEGO sensor.
3. Position converter to inlet pipes and install new retaining bolts. Do not tighten bolts.
4. Position muffler inlet flange to converter outlet flange and install retaining nuts. Do not tighten nuts.
5. Align exhaust system, refer to illustration.
6. With exhaust system aligned:
 - a. Tighten converter to exhaust manifold nuts to 22-32 N-m (16-24 Lb.Ft.).
 - b. Tighten muffler inlet pipe to converter outlet flange retaining nuts to 27-40 N-m (20-29 Lb.Ft.). Refer to illustration.
 - c. Install air tube and check valve.
7. Check system for leaks and lower vehicle.

AUTHORIZED MODIFICATIONS DECAL



The preprinted Authorized Modifications Decal shown is provided in the parts kit.

^ Insert your P & A Code and date and attach the Authorized Modifications Decal to a clean surface on the fan shroud.

^ Place the clear overlay on the decal.

Owner Letter

Serial Number: 12345678901234567 Date here

Mr. John Sample
123 Main Street
Anywhere, USA 12345

Ford Motor Company is voluntarily recalling certain 1986 through 1989 passenger cars (Emissions Recall 91E13). Your car's engine may be releasing air pollutants which exceed Federal standards.

What the Dealer Will Do:

At no cost to you, your dealer will inspect and, if necessary replace the exhaust system catalyst on your car, according to the instructions provided by Ford.

This service should have little or no effect on your car except to reduce air pollutants.

If you do not have this service done:

- ^ Your emissions warranty may be reduced,
- ^ Your car may not pass emissions or smog tests that may be required in your area.

How Long Will It Take?:

The time needed to repair your car is about two hours. However, due to service scheduling times, your dealer may need your car for one full working day.

Call Your Dealer:

Call your dealer without delay. Ask for a service date and if parts are in stock.

If your dealer does not have the parts in stock, they can be ordered before scheduling your service date. Parts would be expected to arrive within a week.

When you bring your car in, give the dealer this letter.

If you misplace this letter, your dealer will still do the work, free of charge.

Changed Address or Sold the Car?:

If you have, please fill out the enclosed prepaid postcard and mail it to us.

If the dealer doesn't make the repair promptly and without charge, you may contact the Ford Customer Assistance Center at 300 Renaissance Center, P.O. Box 43360, Detroit, MI, 48243.

We regret the inconvenience this recall may cause you. We are doing this so that you will be satisfied with your Ford-built car. Please have your car serviced promptly to maintain full emission warranty coverage.

Dealer Letter

June, 1992

To: Selected NAAO Export Sales North American Ford and Lincoln-Mercury Product Dealers

All NAAO Export Sales District Offices
All Affiliated Ford Motor Companies - Service Managers

Subject:

Emissions Recall 91E13 - Exhaust System Catalyst Inspection/Replacement on Certain 49-States 1986/1987/1988 and 1989-Model Year Passenger Cars Equipped with 2.3L and 5.0L Engines

Enclosed are copies of FPSD's Emissions Recall 91E13 Bulletin applicable to the subject North American Ford-built vehicles. A sample copy of NAAO Export Sales' owner notification letter is attached. If your dealership/location is involved, the applicable VIN listing is included. If not, use the bulletin as information only.

Please note that some details in the enclosed bulletins such as parts ordering and claim submission procedures are applicable to U.S. dealers only. Therefore, please observe the following administrative procedures:

1. Parts Order Order the parts directly from FPSD-IDO, Windsor, Canada, using conventional parts ordering procedures. Parts will be reimbursed by submission of recall claim Form(s) 1864. NOTE: Removed catalysts are not to be returned from export locations.
2. Reimbursement Only the Form 1864 will be accepted for reimbursement under this Recall. Upon completion of the required service, the Form 1864 must be completely filled out and signed by authorized dealer personnel. Dealers having Direct Warranty Entry (DWE) are to use that method of claims submission.

PLEASE ENSURE THAT COPIES OF THIS RECALL ANNOUNCEMENT ARE ROUTED TO YOUR PARTS AND SERVICE PERSONNEL.

Ford Motor Company is voluntarily recalling certain 1986 through 1989 passenger cars equipped with 2.3 and 5.0L engines (Emissions Recall 91E13). Your car's engine may be releasing air pollutants which exceed U.S. Federal standards.

What the Dealer Will Do:

At no cost to you, your dealer will inspect and if necessary, replace the exhaust system catalyst on your car according to the instructions provided by Ford. This service should have little or no effect on your car, except to reduce air pollutants.

If you do not have this service done,

^ Your emissions warranty may be reduced,

^ Your car may not pass emissions or smog tests that may be required in your area.

Call Your Dealer:

Call your dealer without delay. Ask for an appointment and ask if parts are in stock. If your dealer does not have the parts, they can be ordered before scheduling your service date.

When you bring your car in, give the dealer the enclosed form. If you misplace the form, your dealer will still do the work, free of charge.

Changed Address or Sold the Car?:

If you have, please fill out Section 1 of the prepaid postcard and mail it to us.

If the dealer does not make the repair promptly and without charge, please fill out Section 3 of the prepaid postcard and mail it to us.

We regret the inconvenience this recall may cause you. We are doing this so that you will be satisfied with your Ford-built car. Please have your car serviced promptly to maintain full emission warranty coverage.