Frank M. Ligon
Director
Service Engineering Operations
Ford Customer Service Division

Ford Motor Company
P. O. Box 1904
Dearborn, Michigan 48121

August 28, 2006

TO: All U.S. Ford and Lincoln Mercury Dealers

SUBJECT: Safety Recall 05S28 - Supplement #9
Certain 1994-1996 Model Year Bronco, 1994-2002 F-150 through F-550, 1997-2002 Expedition, 1998-2002 Navigator, 2002 Blackwood,1994-1996 E-150/250/350, 1996-2002 E-450, 2000-2002 Excursion, and 1998 Explorer and Mountaineer vehicles equipped with Speed Control – Speed Control System Modification

New! *REASON FOR SUPPLEMENT #9*

The purpose of this supplement is to:

- *Announce new, more robust, electrical grease called **"Electrical Grease II"**. This new electrical grease is to be used when performing Labor Operation 05S28E.*
- *Update the technical instructions to direct technicians to use the Electrical Grease II.*
- *Update the claiming instructions in Attachment I to reflect the cost of the new electrical grease.*
- *Highlight unique Speed Control Deactivation Switch location and accessibility on E-450 applications.*

AFFECTED VEHICLES*

Year	Model*
1994-1996	Bronco
1994-2002	F-150 Through F-550
1997-2002	Expedition
1998-2002	Navigator
2002	Blackwood
1994-1996	E-150/250/350
1996-2002	E-450
2000-2002	Excursion
1998	Explorer and Mountaineer

* Vehicles equipped with diesel engines are not affected.

REASON FOR THIS RECALL

The underhood Speed Control Deactivation Switch (SCDS) may overheat, smoke, or burn, which could result in an underhood fire. The potential for a fire exists regardless of whether speed control is being used or the engine is running.

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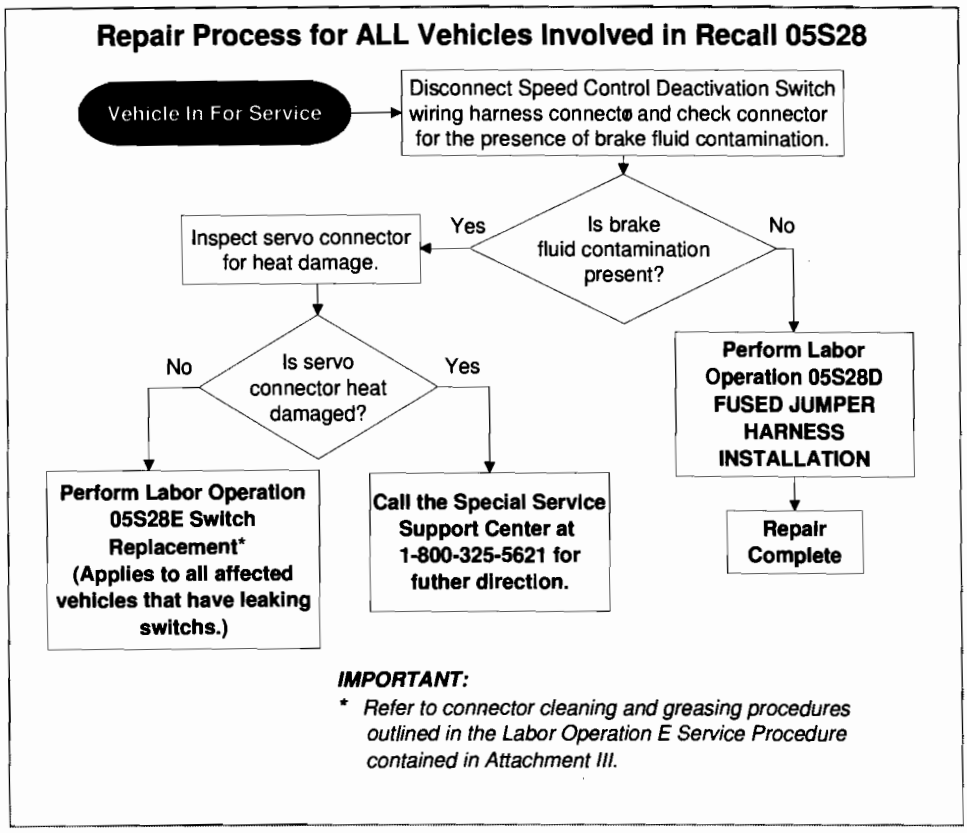
New! ***SERVICE ACTION***

At no charge to the vehicle owner, dealers are to:

- Disconnect Speed Control Deactivation Switch wiring harness connector and check the connector for presence of brake fluid contamination on all affected vehicles.
- **If the Speed Control Deactivation Switch electrical connector <u>is not</u> contaminated with brake fluid:** Install the Fused Jumper Harness.
- **If the Speed Control Deactivation Switch electrical connector <u>is</u> contaminated with brake fluid:** Using compressed shop air, blow dry the Speed Control Servo electrical connector and the speed control switch harness connector. *Apply Electrical Grease II* to the servo connector and to the speed control switch adapter jumper harness male pin connector. Install the Brake Repair Kit (Speed Control Deactivation Switch Kit).



<u>OWNER NOTIFICATION MAILING SCHEDULE</u>

Owner mailing for owners of vehicles added under Supplement #8 will be completed the week of August 14, 2006.

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PLEASE NOTE:

Federal law requires dealers to complete any outstanding recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to $5,000 per vehicle. Correct all vehicles in your new vehicle inventory before delivery.

New! ATTACHMENTS

Attachment I:	*Administrative Information*
Attachment II:	*Labor Allowances and Parts Ordering Information*
Attachment III:	*Technical Information*
Attachment IV:	Dealer Q & A

QUESTIONS?

Special Service Support Center (Dealer Only) Questions: 1-800-325-5621

Sincerely,

Frank M. Ligon

Frank M. Ligon

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Safety Recall 05S28 - Supplement #9

Certain 1994-1996 Model Year Bronco, 1994-2002 F-150 through F-550, 1997-2002 Expedition, 1998-2002 Navigator, 2002 Blackwood,1994-1996 E-150/250/350, 1996-2002 E-450, 2000-2002 Excursion, and 1998 Explorer and Mountaineer vehicles equipped with Speed Control – Speed Control System Modification

OASIS ACTIVATED?

Yes, OASIS was activated for the vehicles added under Supplement #8 on August 3, 2006.

NOTE: This recall pertains to certain vehicles that have a factory installed speed control only. Ford offers a Genuine Accessory Speed Control kit that utilizes a production steering wheel identical to the factory-installed system. The Ford accessory kit does not use a master cylinder mounted deactivation switch and, as a result, vehicles with this kit are not included in this recall. If a customer inquires about Safety Recall 05S28, and the VIN of their vehicle is not listed in OASIS under 05S28, the vehicle is not involved in the program.

FSA VIN LIST ACTIVATED?

Yes. Owner names and addresses for all affected vehicles are available through FMCDealer.com or at https://web.fsavinlists.dealerconnection.com.

NOTE: Your FSA VIN list may contain owner names and addresses obtained from motor vehicle registration records. The use of such motor vehicle registration data for any purpose other than in connection with this recall is a violation of law in several states, provinces, and countries. Accordingly, you must limit the use of this listing to the follow-up necessary to complete this recall action.

STOCK VEHICLES

Correct all affected units in your vehicle inventory before delivery.

SOLD VEHICLES

- Immediately contact any of your affected owners identified in OASIS. Give the owner a copy of the customer notification letter and schedule a service date.
- Correct other affected vehicles identified in OASIS which are brought to your dealership.

TITLE BRANDED / SALVAGED VEHICLES

Affected title branded and salvaged vehicles are eligible for this Field Service Action.

RELATED DAMAGE

If a related damage condition exists that you believe to be caused by the covered condition, call the Special Service Support Center to request approval **prior** to the repair of any related damage. Requests for approval after completion of the repair will not be granted.

ADDITIONAL LABOR TIME

If a condition exists that requires additional labor to complete the repair, call the Special Service Support Center to request approval **prior** to performing any additional labor. Requests for approval after completion of the repair will not be granted.

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Safety Recall 05S28 - Supplement #8

Certain 1994-1996 Model Year Bronco, 1994-2002 F-150 through F-550, 1997-2002 Expedition, 1998-2002 Navigator, 2002 Blackwood,1994-1996 E-150/250/350, 1996-2002 E-450, 2000-2002 Excursion, and 1998 Explorer and Mountaineer vehicles equipped with Speed Control – Speed Control System Modification

OWNER REFUNDS

- Ford Motor Company is offering a refund for owner-paid repairs covered by this recall if the repair was performed prior to the date indicated in the reimbursement plan, which is posted with this bulletin. This plan is also available to owners through the Customer Relationship Center (CRC). The CRC will direct owners to seek reimbursement through authorized dealers or, at their option, directly through Ford Motor Company at P.O. Box 6251, Dearborn, MI 48121-6251.
- Dealers are also authorized to refund owner-paid emergency repairs that were performed away from an authorized servicing dealer after the end date specified in the reimbursement plan. Refund claims that include other non-covered repairs, or those judged by Ford to be excessive, will not be accepted for reimbursement.
- **This safety recall must still be performed, even if the customer has paid for a previous repair. Claiming a refund will not close out the VIN for this recall.**
- Refund Claiming Information (Submit on separate repair line.)
  - Program Code: 05S28
  - Misc. Expense: REFUND
  - Misc. Expense: ADMIN
  - Misc. Expense: 0.2 Hrs.

RENTAL VEHICLES

The use of rental vehicles is not authorized for this program.

CLAIMS PREPARATION AND SUBMISSION

- **For vehicles prior to MODEL YEAR 1996: Enter the appropriate labor operation and its respective labor time on the claim. (The system will not automatically price the labor operation.)**
- Enter claims using Direct Warranty Entry (DWE).
- Refund or related damage must be claimed on a repair line that is separate from the repair line on which the FSA is claimed.
- "MT" labor should be submitted on a separate repair line with the related damage flag checked.
- New! Claiming Information for Electrical Grease II (Submit on same repair line as repair.)
  - Program Code: 05S28
  - Misc. Expense: OTHER
  - *Misc. Expense: $6.07*

  NOTE: Electrical Grease II can only be claimed when Labor Operation 05S28E is claimed. (Do not claim as "Normal Shop Supplies".)
- Refer to ACESII manual for claims preparation and submission information.

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LABOR ALLOWANCES

Description	Labor Operation	Labor Time
FUSED JUMPER HARNESS INSTALLATION: Inspect the Speed Control Deactivation Switch electrical connector for brake fluid contamination. If no contamination is present, install fused jumper harness.	05S28D	0.2 Hour
New! **LEAKING SWITCH REPLACEMENT:** Inspect the Speed Control Deactivation Switch electrical connector for brake fluid contamination. If contamination is present, check servo harness connector for heat damage, and blow brake fluid from the speed control switch and the servo wiring harness connectors. *Apply **Electrical Grease II** to both the servo harness connector and to the switch adapter jumper harness connector (contained in the Brake Repair Kit) before connecting it to the vehicle harness.* Install new Speed Control Deactivation Switch.	05S28E	0.4 Hour

PARTS REQUIREMENTS / ORDERING INFORMATION

Part Number	Description	Usage	Quantity
4W1Z-14A411-BC (Package of 10)	Fused Jumper Harnesses. (Package of 10)	**All affected vehicles with non-leaking Switches.**	1 per repair (One package services 10 vehicles.)
1L1Z-9F924-AA **Motorcraft Part #** SW-6350	Brake Repair Kit (Kit Contents: One Speed Control Deactivation Switch & one Adapter Jumper Harness.)	**All affected vehicles with leaking switches.**	1 (One kit services one vehicle.)
New! **Motorcraft** Part #: ***XG-15-A***	Electrical Grease II - One 3 ounce tube (NOTE: The original XG-12 Electrical Grease came in a package of four 3 three ounce tubes.)	**All affected vehicles with leaking switches.** (Use with Labor Operation 05S28E only.)	One 3 ounce tube will service 10 vehicles.

DEALER PRICE

For latest prices, refer to DOES II.

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PARTS RETENTION AND RETURN

After the claim is submitted, the Ford Warranty Parts Analysis Center (WPAC) may initiate an FCS 700 tag for the return of speed control deactivation switches. Do not return any removed parts unless you receive notice from PEARS (Parts Entry And Return System). Refer to your daily PEARS register for part disposition and return instructions.

Follow the provisions of the Warranty and Policy Manual for "Parts Retention and Return Procedures".

EXCESS STOCK RETURN

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

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CERTAIN 1994-1996 MODEL YEAR BRONCO, 1994-2002 F-150 THROUGH F-550, 1997-2002 EXPEDITION, 1998-2002 NAVIGATOR, 2002 BLACKWOOD, 1994-1996 E-150/250/350, 1996-2002 E-450, 2000-2002 EXCURSION, AND 1998 EXPLORER AND MOUNTAINEER VEHICLES EQUIPPED WITH SPEED CONTROL — SPEED CONTROL SYSTEM MODIFICATION

OVERVIEW

This program involves inspecting the speed control deactivation switch connector for presence of brake fluid and then determining which repair to perform. A flow chart has also been developed to help direct you to the proper repair. See Figure 1.

IMPORTANT

1. Prior to performing each repair, the speed control deactivation switch harness connector must be carefully inspected for the presence of any brake fluid (evidence of a leaking switch).
2. If brake fluid is present:
   a. the speed control deactivation switch harness electrical connector and the servo connector are blown dry of any trace of brake fluid (05S28E only).
   b. Electrical Grease II (XG-15-A) is applied by the technician to the servo vehicle harness connector and the deactivation switch vehicle harness connector.

NEW

New, more robust, electrical grease (Electrical Grease II, Part # XG-15-A) is available. It is to be used when performing Labor Operation 05S28E. The instruction for Labor Operation 05S28E is revised with the part number for the new electrical grease. **For all future 05S28 repairs, dealer technicians are directed to use Electrical Grease II XG-15-A where the original XG-12 was called for previously.**

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REPAIR FLOW CHART

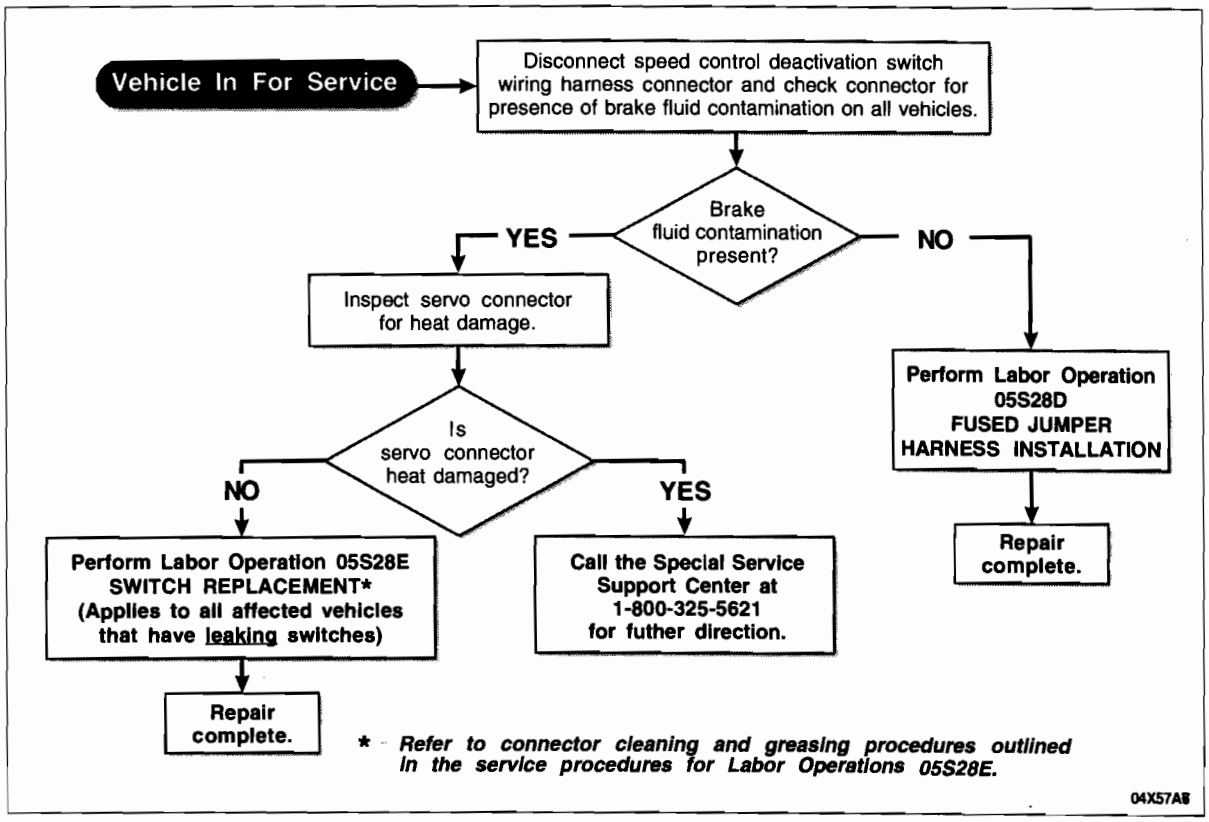

FIGURE 1

INSPECTION – ALL AFFECTED VEHICLES

NEW 1. NOTE: The location of the speed control deactivation switch on the front of the master cylinder varies on some applications. On most affected vehicles, it will be at the 12 O'clock position. On some, the switch may be at either the 8 O'clock or 5 O'clock positions. Access to the switch is straightforward in all applications except the E-450 where the coolant degas bottle must be positioned aside. It is not necessary to drain the cooling system or empty the degas bottle to move it.

On E-450 models only, remove the 3 screws and position the coolant degas bottle forward to allow access to the speed control deactivation switch and servo.

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2. Disconnect the speed control deactivation switch located on the brake master cylinder and inspect the harness connector for the presence of brake fluid. See Figure 2.
   - If no brake fluid is present:
     - install the fused jumper harness (Labor Operation D).
   - If brake fluid is present, DISCONNECT THE SPEED CONTROL SERVO AND INSPECT THE VEHICLE HARNESS CONNECTOR FOR HEAT DAMAGE. See Figure 3.
     - If no heat damage is found at the speed control servo connector (even if there is presence of brake fluid in the connector), proceed to Labor Operation E.
     - If the speed control servo connector is heat damaged, call the Special Service Support Center at 1-800-325-5621 for further instructions.

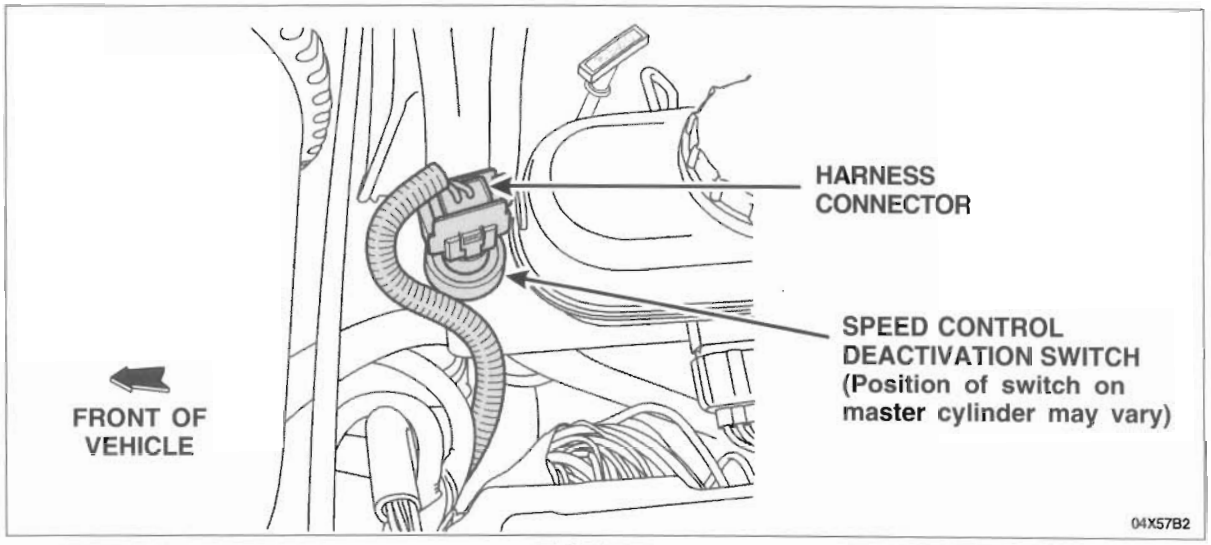

FIGURE 2

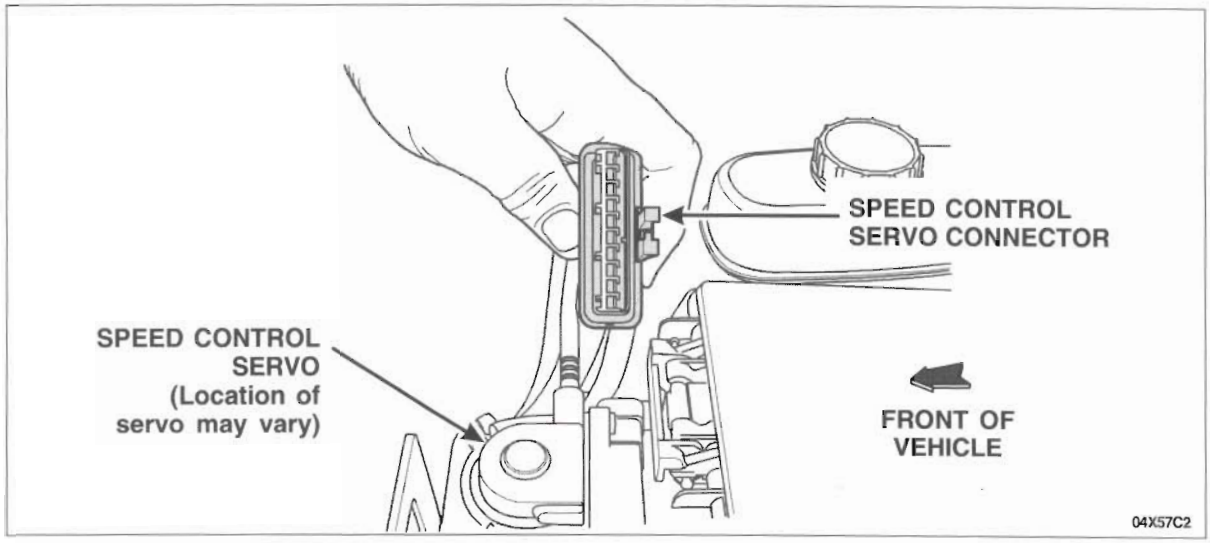

FIGURE 3

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LABOR OPERATION D – APPLIES TO VEHICLES WITH NON-LEAKING SWITCHES

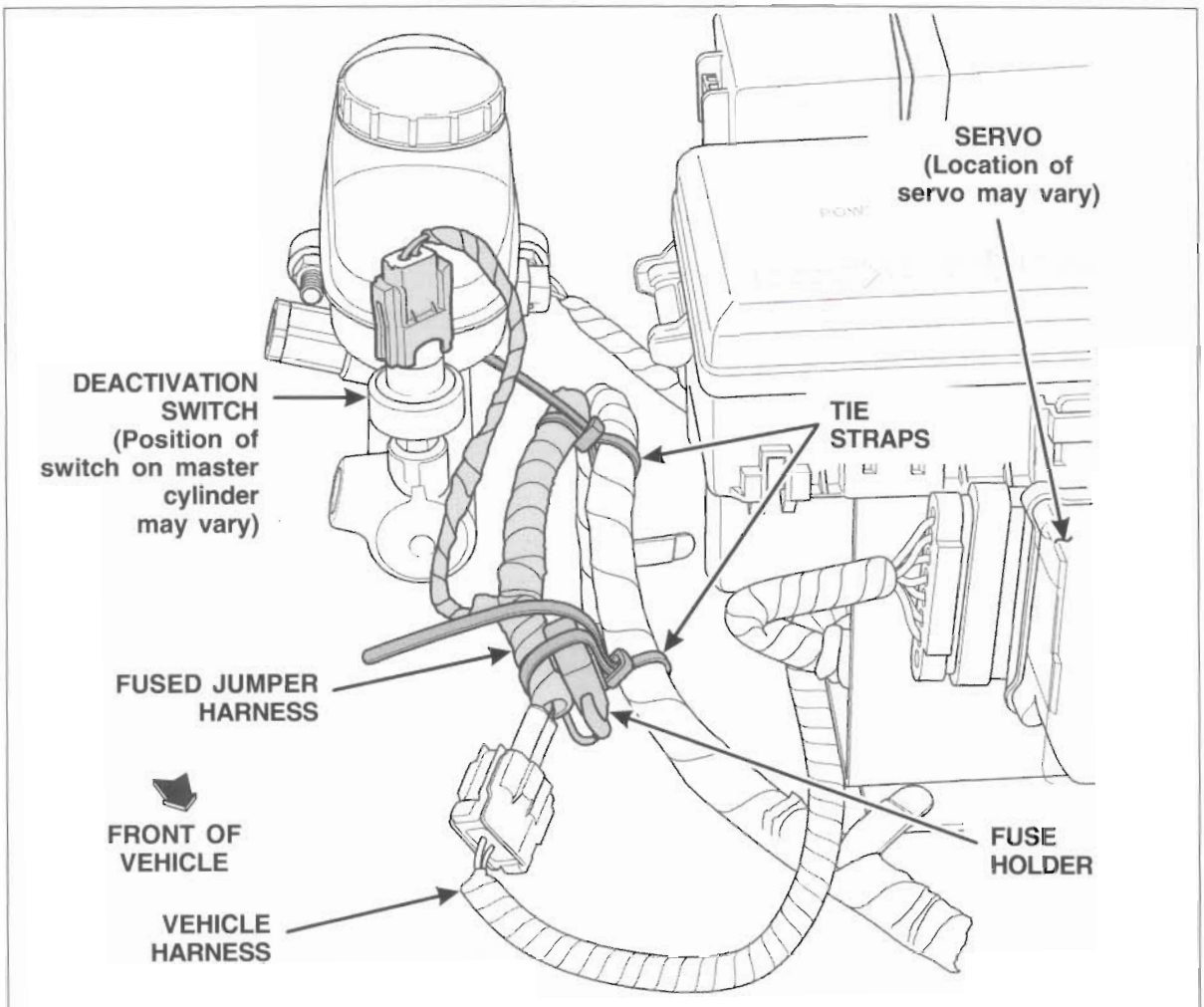
1. Connect the fused jumper harness (14A411) to the speed control deactivation switch and the vehicle harness.

NEW 2. On E-450 models, secure the 2-wire take out to the larger portion of the fused jumper harness before installation, as shown in Figure 5.

3. Position the harness alongside an existing harness, located below or alongside the master cylinder, so that the fuse holder is higher than the rest of the jumper harness. This will cause any water that enters the engine compartment and gets on the jumper harness to run downhill away from the fuse holder.

4. Secure the jumper to the existing harness with tie straps, making sure the fuse holder is positioned vertically with the cap facing upward. Wrap the tie straps underneath, then over the top of the existing harness and verify proper fuse holder orientation. See Figures 4 and 5.

NEW 5. Reinstall the coolant degas bottle (E-450 only), then release the vehicle.



TYPICAL FUSED JUMPER HARNESS INSTALLATION (EXCEPT E-450)

04X57G5

FIGURE 4

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NEW

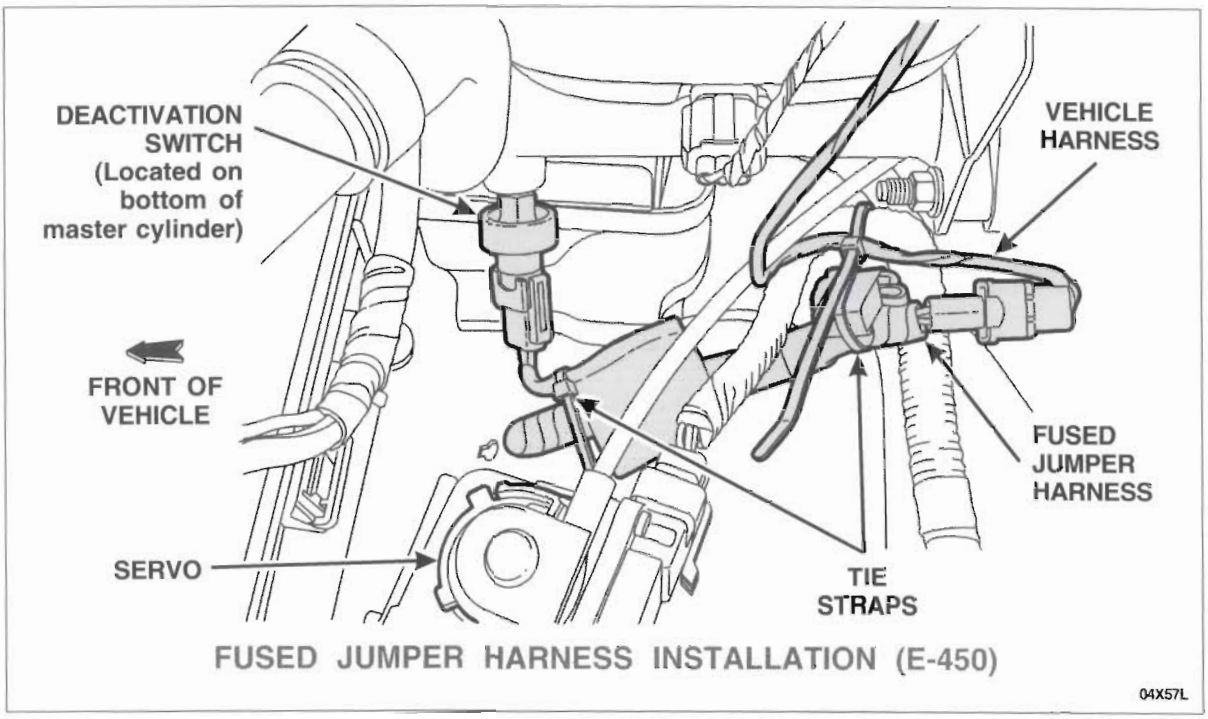

FIGURE 5

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LABOR OPERATION E – APPLIES TO VEHICLES WITH LEAKING SWITCHES

1. **CAUTION: DO NOT apply fluid to the electrical connector.**

NEW Add a few drops of Motorcraft High Performance DOT 3 Motor Vehicle Brake Fluid, PM-1or PM-1-C(US): CPM-1-C (Canada), **to the fluid port** at the threaded end of the ***new*** deactivation switch. See Figure 6.

FIGURE 6

2. **CAUTION: Do not allow any foreign material to enter the master cylinder port once the deactivation switch is removed.**

   Remove the speed control deactivation switch from the brake master cylinder.

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3. Install the ***new*** speed control deactivation switch into the master cylinder and tighten to 18 Nm (13 lb-ft).
4. **With the speed control servo disconnected, use shop air *only* to blow the speed control deactivation switch harness electrical connector and the servo connector dry of any trace of brake fluid. DO NOT USE ANY TYPE OF SOLVENT TO CLEAN THE CONNECTORS.**
5. Cut approximately 3 mm (1/8 in) off the grease tube applicator tip.
6. NEW Before installing the jumper harness, fill the vehicle harness end of the jumper (male pin connector end) with Motorcraft Electrical Grease II XG-15-A. See Figure 7.

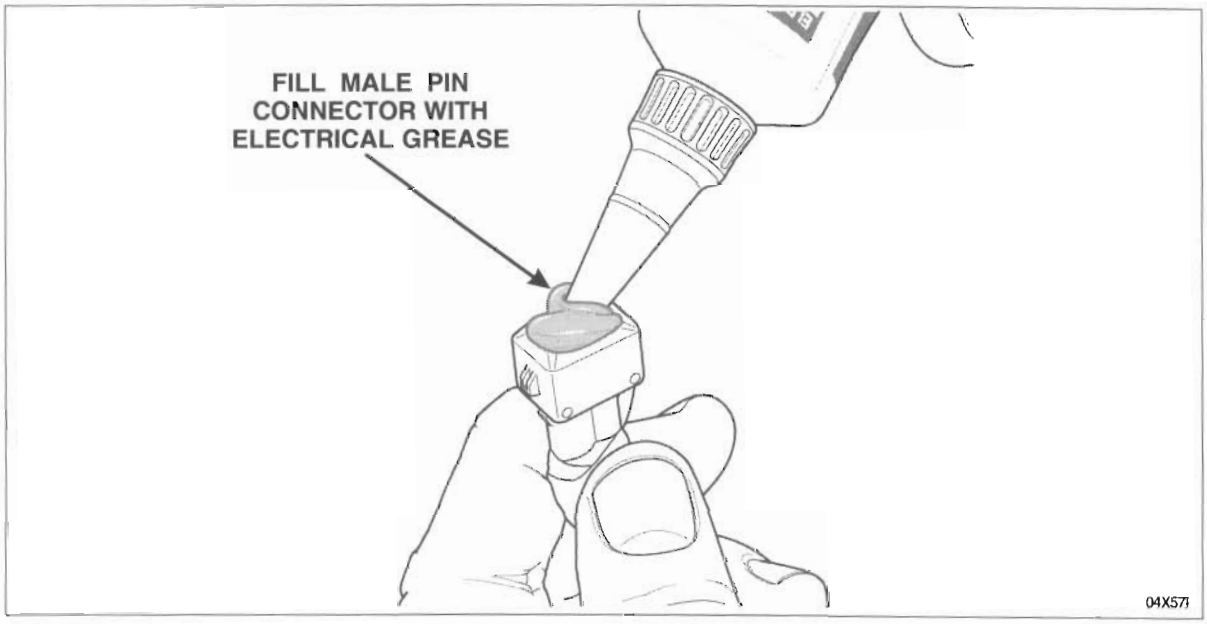

FIGURE 7

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7. Install the adapter jumper harness by connecting it to both the deactivation switch and the vehicle harness. Using the provided tie strap, secure the jumper harness to a nearby component such as the speed control cable or another wire harness. See Figures 8 and 9.

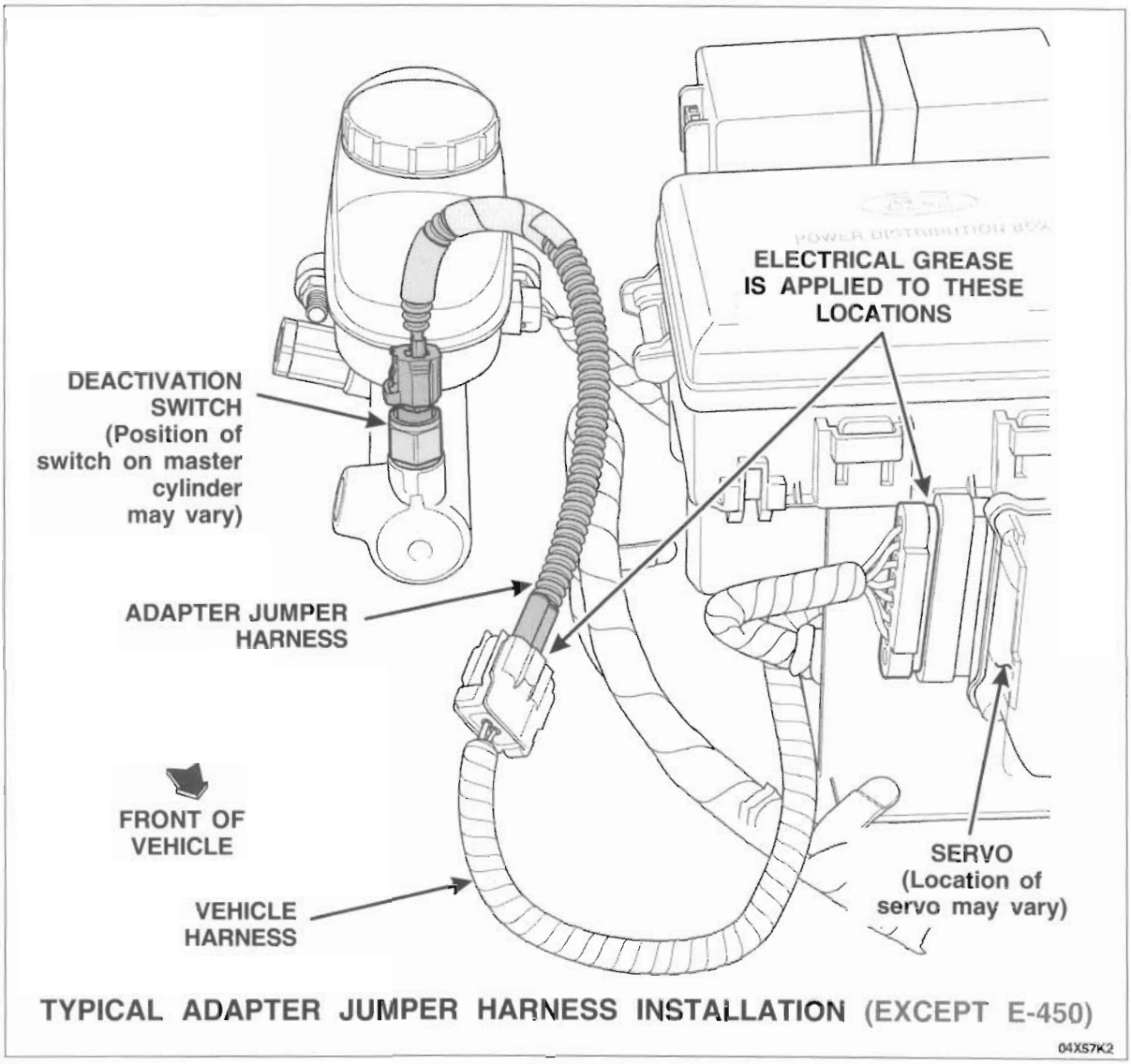

FIGURE 8

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NEW

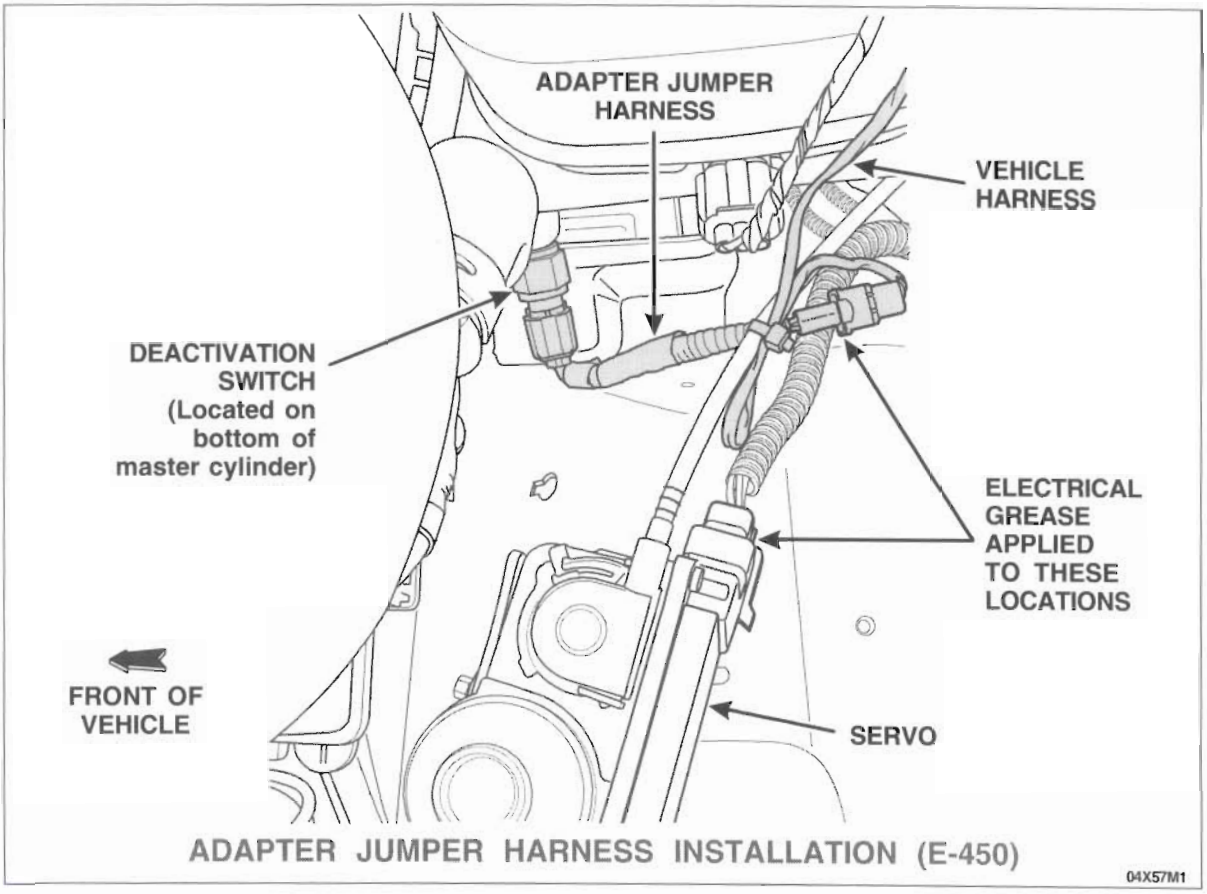

FIGURE 9

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8. **CAUTION: Be sure to apply an adequate amount of grease to the vehicle harness connector only. DO NOT apply the grease directly to the connector of the servo module.**

NEW Apply a 5 mm (3/16 in) high bead of Motorcraft Electrical Grease II XG-15-A across the entire width and length of the servo vehicle harness connector. See Figure 10.

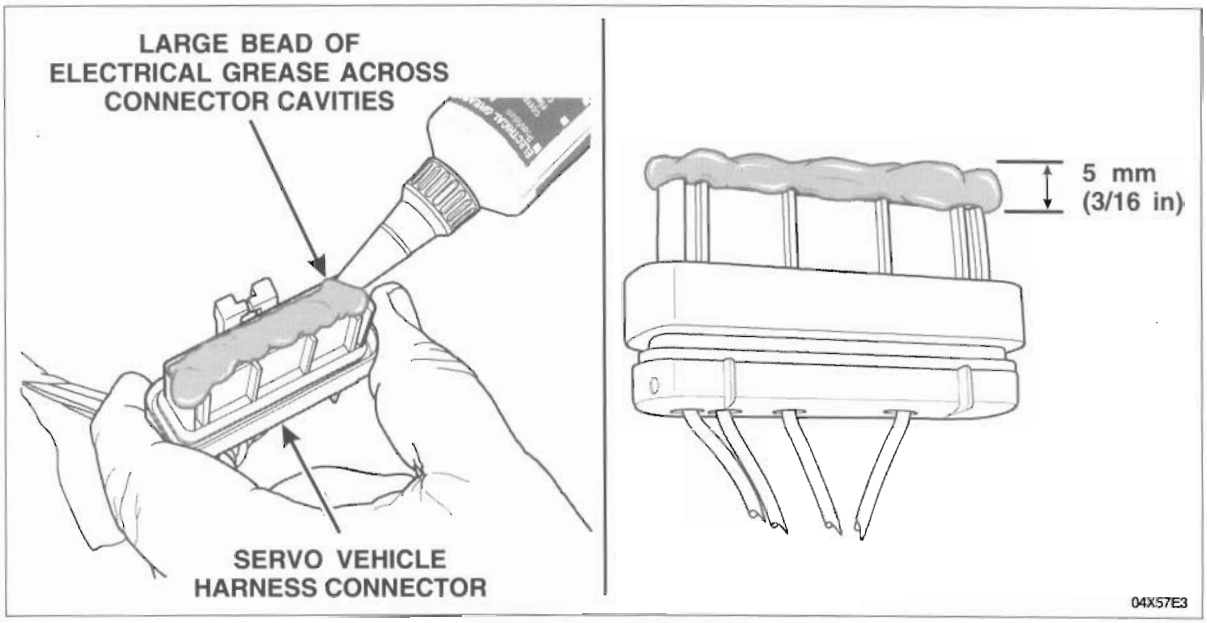

FIGURE 10

9. Reconnect the servo connector.
10. Check the brake fluid level in the master cylinder and adjust if necessary.
11. NEW Reinstall the coolant degas bottle (E-450 only), then release the vehicle.

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New! **DEALER Q & A**

Q1. ***Why were these vehicles chosen to be added to the program while other vehicles built with the same Speed Control Deactivation Switch are not included in the program.***

A. Ford has thoroughly investigated the potential for switch-related fires in other models and model years in cooperation with the National Highway Traffic Safety Administration. The other vehicles are not affected by the same factors that are found in the recall population. The investigation has shown that the effect of the system configuration of the recalled vehicles is different from other vehicles that use the same speed control deactivation switch. In the recalled vehicles, factors such as the specific orientation of the switch on the brake master cylinder and repeated high vacuum events may cause some speed control deactivation switches to be susceptible to brake fluid leaks and corrosion, which may result in the switch overheating.

Q2. ***How should an affected vehicle, which had the latest level Speed Control Deactivation Switch (1L1Z-9F924-AA) installed before the 05S28 program, be serviced?***

A. It should be assumed that the original Speed Control Deactivation Switch was replaced due to a leak, and as a result, the vehicle should be serviced as though it has a leaking switch (Labor Operation 05S28E).

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Frank M. Ligon
Ford Motor Company
P. O. Box 1904
Dearborn, Michigan 48121

August 2006

Safety Recall 05S28

Mr. John Sample
123 Main Street
Anywhere, USA 12345

Your Vehicle Identification Number: 12345678901234567

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Ford Motor Company has decided that a defect which relates to motor vehicle safety exists in certain 1994-2002 F-250/350/450/550,1994-1996 E-150/250/350, 1996-2002 E-450*, 2000-2002 Excursion, and 1998 Explorer and Mountaineer vehicles equipped with Speed Control. We apologize for this situation and want to assure you that, with your assistance, we will correct this condition. Our commitment, together with Ford and Lincoln Mercury dealers, is to provide you with the highest level of service and support.

* Includes motorhome applications.

What is the issue? On your vehicle, an underhood speed control deactivation switch may overheat, smoke, or burn, which could result in an underhood fire. This condition may occur either when the vehicle is parked or when it is being operated, even if the speed control is not in use.

What will Ford and your dealer do? Ford Motor Company has authorized your dealer to install a fused wiring harness into the speed control system of your vehicle free of charge (parts and labor).

How long will it take? The time needed for this repair is less than one-half day. However, due to service scheduling requirements, your dealer may need your vehicle for a longer period of time.

What are we asking you to do? Please call your dealer without delay and request a service date for Recall 05S28. Provide the dealer with the Vehicle Identification Number (VIN) of your vehicle. The VIN is printed near your name at the beginning of this letter.

The vehicle owner is responsible for having this service action performed within a reasonable period of time. Ford Motor Company reserves the right to deny coverage for any vehicle damage that may result from failure to have this recall performed on a timely basis. Therefore, please have this recall performed as soon as possible.

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If you do not already have a servicing dealer, you can access http://www.genuineservice.com for dealer addresses, maps, and driving instructions.

Fleet Owners: To locate a dealer, call 1-800-34FLEET. Representatives are available 9:00AM to 5:00PM Monday through Friday (Eastern Time Zone).

Motorhome Owners: To locate a dealer that services Motorhomes, call the Motorhome Customer Assistance Center toll free at 1-800-444-3311. Ford representatives are available 24 hours a day.

Please note: Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Have you previously paid for this repair?

If you paid to remedy the issue addressed in this notice, you may be eligible for a refund.

To verify eligibility and expedite reimbursement, give your paid original receipt to your dealer.

Refund requests may be sent directly to Ford Motor Company. To request your refund from Ford, send the refund request with all required documentation, including your original repair receipt (no photocopies), to Ford Motor Company at P.O. Box 6251, Dearborn, Michigan 48121-6251. Refund requests mailed to this address may take up to 60 days to process. Your original receipt will be returned to you.

Detailed information regarding eligibility for Ford's reimbursement program and documentation requirements may be obtained by contacting the Ford Customer Relationship Center at 1-888-222-2751.

Owners who have previously paid for this repair still need to have the recall described in this letter performed.

What if you no longer own this vehicle?

If you no longer own this vehicle, and have an address for the current owner, please forward this letter to the new owner.

You received this notice because government regulations require that notification be sent to the last known owner of record. Our records are based primarily on state registration and title data, which indicate that you are the current owner.

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Can we assist you further?

If you have difficulty getting your vehicle repaired promptly and without charge, please contact your dealership's Service Manager for assistance.

If you still have concerns, please contact the Ford Motor Company Customer Relationship Center and one of our representatives will be happy to assist you.
Call 1-888-222-2751. For the hearing impaired call 1-800-232-5952 (TDD).
Office Hours are Monday through Friday 8AM – 5PM (Your Local Time)

If you wish to contact us through the Internet, our address is:
www.ownerconnection.com

Fleet Owners: If you still have concerns, please contact the Fleet Customer Information Center at 1-800-34-FLEET and one of our representatives will be happy to assist you. Representatives are available 9:00AM to 5:00PM Monday through Friday (Eastern Time Zone).
Or you may contact us through the internet at www.fleet.ford.com.

Motorhome Owners: If you still have concerns, please contact the Motorhome Customer Assistance Center toll free at 1-800-444-3311. Ford representatives are available 24 hours a day.

If you are still having difficulty getting your vehicle repaired in a reasonable time or without charge, you may write the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street S. W., Washington, D. C. 20590 or call the toll free Vehicle Safety Hotline at 1-888-327-4236
(TTY: 1-800-424-9153) or go to http://www.safercar.gov.

Thank you for your attention to this important matter.

Sincerely,

Frank M. Ligon

Frank M. Ligon
Director
Service Engineering Operations

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