

# HYUNDAI AMERICA TECHNICAL CENTER, INC.

A Subsidiary of  
Hyundai Motor Company (Korea)

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October 8, 2003

Mr. Kenneth Weinstein  
Associate Administrator for Safety Assurance  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

RECEIVED  
2003 OCT 10 P 1111  
OFFICE OF SAFETY INVESTIGATION

RE: Recall Number 03V-257 Defect Information Report (additional information)  
(Hyundai Campaign 061)

Dear Mr. Weinstein:

Hyundai Motor Company previously submitted a Defect Information Report to NHTSA regarding a recall campaign of approximately 277,687 model year 2001, 2002 and 2003 Hyundai Elantra vehicles produced beginning June 30, 2000 through December 15, 2002 and approximately 34,605 model year 2002 and 2003 Hyundai Tiburon vehicles produced beginning August 10, 2001 through February 15, 2003 (NHTSA Recall Number 03V-257) pursuant to Part 573 of Title 49 of the Code of Federal Regulations. The rear brake tubes of these vehicles will be repositioned, brake tube clips will be installed to control the position of the rear brake tubes and anti-corrosion material will be applied in the areas where contact with the steering gear box mounting brackets may have occurred.

The owner notification for this recall will occur in twelve weekly mailings beginning on October 13, 2003 and will be completed on December 29, 2003.

Enclosed for NHTSA's files are final copies of the Technical Service Bulletin, owner notification letter and additional dealer notification letters.

Sincerely,



Robert Babcock  
Manager, Corporate Affairs

Attachments: 4

# MOTOR VEHICLE RECALL

Dear 2001, 2002 or 2003 Elantra Owner or 2002 or 2003 Tiburon Owner:

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

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

Hyundai has decided that a defect, which relates to motor vehicle safety, exists in certain model year 2001, 2002 and 2003 Hyundai Elantra vehicles produced beginning June 30, 2000 through December 15, 2002 and model year 2002 and 2003 Hyundai Tiburon vehicles produced beginning August 10, 2001 through February 15, 2003.

## What is the problem?

- A portion of the rear brake tubes passes behind the front suspension crossmember. Two steering gear box mounting brackets are welded to the crossmember. On vehicles equipped with Antilock Brakes (ABS), the rear brake tubes may contact both steering gear box mounting brackets. On vehicles that are not equipped with ABS, the rear brake tubes may contact only the left steering gear box mounting bracket. Contact between the rear brake tubes and the steering gear box mounting brackets may result in rear brake tube wear and corrosion.

Severe rear brake tube wear and corrosion may result in brake fluid leakage. Brake fluid leakage may result in reduced braking capability in the portion of the dual diagonal braking system that contains the leaking brake tube. Reduced braking capability may result in an accident.

## What will Hyundai do?

- To ensure that your vehicle does not experience rear brake tube wear or corrosion as a result of contact between the rear brake tubes and the steering gear box mounting brackets, we are asking you to schedule an appointment as soon as possible to take your vehicle to your Hyundai dealer. The Hyundai dealer will reposition the rear brake tubes so they do not contact the steering gear box mounting brackets, install brake tube clips to control the location of the rear brake tubes, and apply anti-corrosion material to the rear brake tubes in the areas where contact with the steering gear box mounting brackets may have occurred. This procedure will be performed at no charge to you. You should plan to leave your vehicle at your Hyundai dealer for a half day to have this service performed.

## What should you do?

- We urge you to call your Hyundai dealer to schedule an appointment to have this work performed as soon as possible.

## What if you have other questions?

- If you have any difficulty having this repair performed, we recommend that you call the Hyundai Customer Assistance Center at 1-800-633-5151. If you are still not satisfied that we have remedied this situation without charge, and within a reasonable amount of time, you may wish to write to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S. W., Washington, D.C. 20590 or call their toll-free Auto Safety Hotline at 1-888-327-4236.

We urge your prompt attention to this important safety matter.

Hyundai Motor America

//ALL           HMABST11      10/03/03      10/06/03      10/07/03  
TO:            All Hyundai Dealership Service and Parts Managers  
FROM:          Ray Schroth - Director, Service  
SUBJECT:       Campaign 061 - Customer Notification (Recall Campaign)  
              - 2001 - 2003 Elantra and 2002 - 2003 Tiburon - Rear  
              Brake Tube Repositioning

Hyundai Motor America is conducting a voluntary Customer Notification (Recall Campaign) on 2001 through 2003 Model Year Elantras produced through December 15, 2002 and 2003 Tiburons manufactured through February 15, 2003. Details for this campaign are below:

Campaign 061 provides the procedures for repositioning the rear brake tubes to prevent contact with the front suspension crossmember's steering gear box mounting brackets.

Starting September 30, 2003, dealers will automatically be shipped a supply of:

Surface Treatment (Zinc Spray) (P/N: 00305-2D000), (Services 35 - 80 Vehicles)

Anti-corrosion wax (CT-21) P/N: 00306-2D000) (Services 12 - 34 Vehicles)

Brake Tube Clips (P/N: 58799-2D000 - White, Elantra)

Brake Tube Clips (P/N: 58799-2C000 - Black, Tiburon)

Additional parts will be available for dealerships to order through the regular parts system.

On October 6, 2003, a letter will be sent to all Dealer Principals, Dealership Service Managers and Dealership Parts Managers. Enclosed with the Service Manager's letter will be five (5) Technical Service Bulletins, a copy of the Customer Notification Letter, and a VIN listing of any dealer in-stock vehicles and retail customers affected by this campaign.

On October 13, 2003, customer notification letters will begin being mailed to all affected customers in twelve weekly mailings.

It is IMPORTANT TO SUBMIT A CAMPAIGN CLAIM FOR EACH VEHICLE REPAIRED so your dealership can be compensated for your work and so Hyundai can maintain accurate records of campaign completions.

If you have any questions, please contact your District Parts and Service Manager.

//END

October 6, 2003

**TO: ALL HYUNDAI DEALER PRINCIPALS:  
ALL HYUNDAI DEALERSHIP SERVICE MANAGERS:  
ALL HYUNDAI DEALERSHIP PARTS MANAGERS:**

**REFERENCE: Campaign 061 - Customer Notification (Recall Campaign) 2001 - 2003 Elantra and 2003 Tiburon – Rear Brake Tube Repositioning**

Hyundai Motor America is conducting a voluntary Customer Notification (Rear Brake Tube Repositioning) on 2001 – 2003 Model Year Elantras manufactured through December 15, 2002 and 2003 Model Year Tiburons manufactured through February 15, 2003. We are asking customers by mail to take their vehicles to their servicing Hyundai dealer to have the campaign completed.

Hyundai will start mailing retail customers a letter on October 13, 2003, requesting them to contact their Hyundai dealer to schedule an appointment. In addition, affected vehicles in your inventory must receive the campaign service before being sold or otherwise placed in service.

Enclosed with the Service Manager's letter are materials developed for your use: (5) copies of the Technical Service Bulletin containing instructions on performing the repair and submitting the campaign claim, a copy of the Customer Notification Letter, a VIN listing of your retail customers affected by this campaign, and any in-stock vehicles, if applicable.

Customer notification letters will be sent in twelve weekly mailings starting October 13, 2003.

Hyundai appreciates your cooperation in properly completing this campaign. Questions may be directed to your District Parts and Service Manager.

Sincerely,

Ray Schroth  
Director of Service

Enclosures:



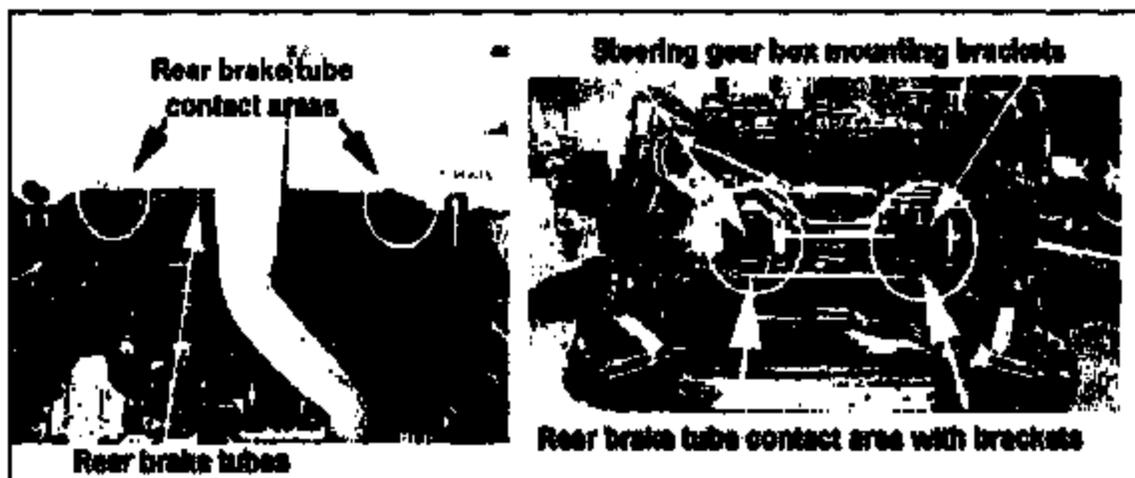
# HYUNDAI Technical Service Bulletin

Group	CAMPAIGN
Number	03-01-009
Date	JULY, 2003
Model	ELANTRA AND TIBURON

Subject	<b>REAR BRAKE TUBE REPOSITIONING CAMPAIGN 061</b>
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## DESCRIPTION:

This bulletin provides the procedures that reposition the rear brake tubes to prevent contact with the front suspension cross member's steering gear box mounting brackets. The photos below show the areas where the rear brake tubes may contact the steering gear box mounting brackets.



## AFFECTED VEHICLES:

1. All 2001 - 2003 Model Year Elantra vehicles produced through December 15, 2002
  - Both ABS and non-ABS Elantras
2. All 2003 Model Year Tiburon vehicles produced through February 15, 2003
  - Both ABS and non-ABS Tiburons

### SUMMARY OF PROCEDURES:

1. Elantra vehicles with ABS: Treat the left and right side (two) rear brake tube contact areas with zinc spray and anti-corrosion wax; then install a white color brake tube clip at each contact area (refer to service procedure – A).
2. Elantra vehicles not equipped with ABS: Treat the left side (one) rear brake tube contact area with zinc spray and anti-corrosion wax; then install a white color brake tube clip at the left side contact area (refer to service procedure – B).
3. Tiburon vehicles with ABS: Install two black color brake tube clips, one each at the left and the right side rear brake tube contact areas (refer to service procedure – C).
4. Tiburon vehicles not equipped with ABS: Install a black color brake tube clip at the left side rear brake tube contact area (refer to service procedure – D).

### PARTS INFORMATION:

PART NAME	PART NUMBER	PHOTO
① Surface treatment (Zinc spray)	00305-2D000	
② Anti-corrosion wax (CT-21)	00305-2D000	
③ Brake tube clip (White - Elantra)	58799-2D000	
④ Brake tube clip (Black - Tiburon)	58799-2C000	



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## ZINC AND WAX APPLICATION AMOUNT SPECIFIED FOR EACH AREA:

MODEL	SPRAY CHEMICAL	APPROXIMATE SPRAY AREA	RECOMMENDED SQUIRT TIMES AND SQUIRT DURATION	ONE SPRAY CAN MAY SERVICE
Elantra ABS	① Zinc spray	LH = 3 sq.in RH = 3 sq.in	Maximum 3 light squirts covering each area (maximum 1 second/squirt)	35-40 vehicles
	② Wax	LH = 3 sq.in RH = 3 sq.in	Maximum 6 light squirts covering each area (maximum 1 second/squirt)	12-17 vehicles
Elantra Non-ABS	① Zinc spray	LH = 3 sq.in	Maximum 3 light squirts covering the LH area (maximum 1 second/squirt)	75-80 vehicles
	② Wax	LH = 3 sq.in	Maximum 6 light squirts covering the LH area (maximum 1 second/squirt)	30-34 vehicles

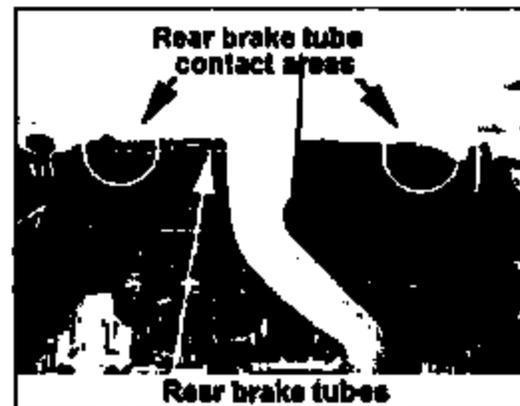
**NOTE:** For Tiburon vehicles – install rear brake tube clips only (no chemical treatment necessary – refer to service procedures C and D).

### SERVICE PROCEDURE A (For Elantra vehicles with ABS):

**CAUTION:** Wear eye protection when performing this procedure.

1. Verify the vehicle is affected by identifying the vehicle production date range and VIN.

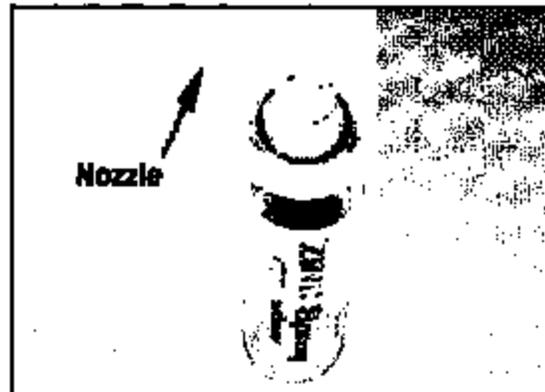
**NOTE:** Apply this procedure to both left and right sides at the rear brake tube contact areas.



2. Raise the vehicle.
3. Locate the rear brake tube contact areas with the steering gear box mounting brackets.
4. Clean the rear brake tube contact areas using shop air and a rag.



5. Before applying the surface treatment (zinc primer), insert the nozzle into the spray tip.



6. Make a gap between the rear brake tubes and the steering gear box mounting bracket at the contact areas by gently prying with a screwdriver as shown.



**NOTE:** If there is not a sufficient gap between the rear brake tubes and the steering gear box mounting bracket, the primer may not cover all of the contact area.



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7. Apply the surface treatment on the steering gear box mounting bracket and the rear brake tube contact area evenly as shown (apply 3 light squirts).



gap open for at least 3~4 minutes or until the surface treatment is dry.

Repeat application of the surface treatment on the other side of the vehicle at the rear brake tube contact area with the steering gear box mounting bracket.

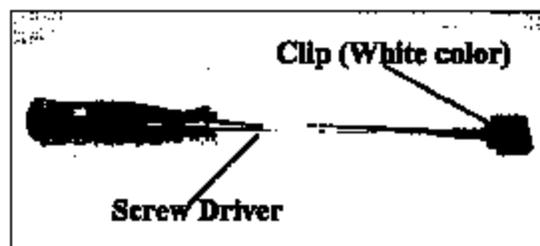


8. Before applying the anti-corrosion wax (CT-21), insert the nozzle into the spray tip.

9. Evenly apply anti-corrosion wax on the steering gear box mounting bracket and the rear brake tube contact area (apply 5 to 6 light squirts).



10. Prepare the brake tube clip as shown.



11. Before installing the brake tube clip, apply anti-corrosion wax inside the clip as shown.



12. Make a gap between the rear brake tubes and the steering gear box mounting bracket using a flathead screwdriver.



13. Install the brake tube clip on the rear brake tubes where the surface treatment and anti-corrosion wax were applied.

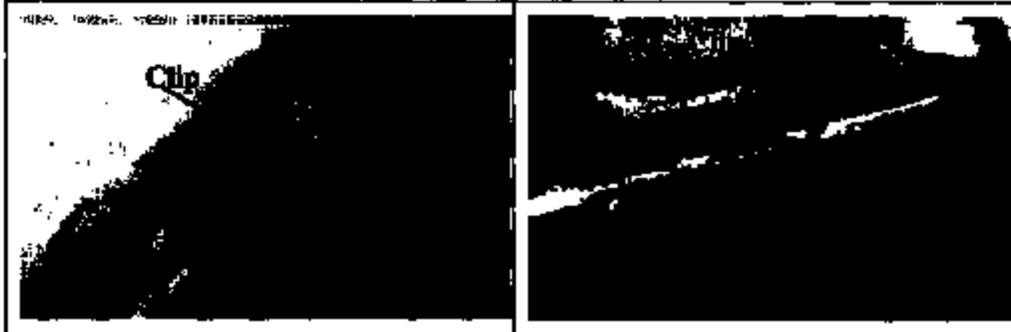
Left side view

Right side view



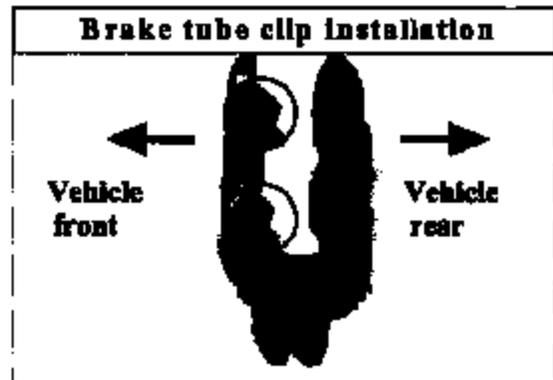
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**NOTE:** The brake tube clip is directional. The locking tabs inside the clip should face toward the vehicle front.

Repeat installation of the brake tube clip on the other side of the vehicle.



14. Apply the anti-corrosion wax on the rear brake tubes and brake tube clips on both sides.

15. Lower the vehicle.



## **SERVICE PROCEDURE B (For Elantra vehicles not equipped with ABS):**

**CAUTION:** Wear eye protection when performing this procedure:

1. Verify the vehicle is affected by identifying the vehicle production date range and VIN.

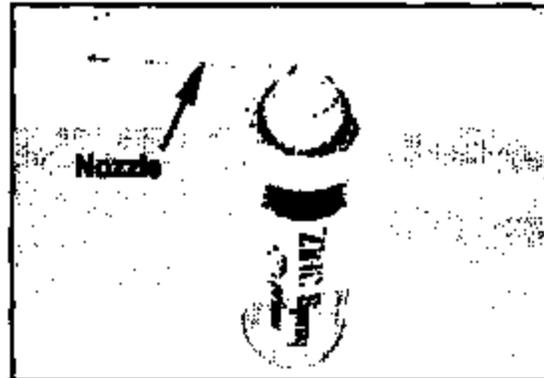
**NOTE: Apply this procedure only to the left side at the rear brake tube contact area with the steering gear box mounting bracket.**



2.



he vehicle.



3. Locate the rear brake tube contact area with the steering gear box mounting bracket (left side).
4. Clean the brake tube contact area using shop air and a rag.
5. Before applying the surface treatment (zinc primer), install the nozzle into the spray tip.



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6. Make a gap between the rear brake tubes and the steering gear box mounting bracket at the contact area by gently prying with a screwdriver.

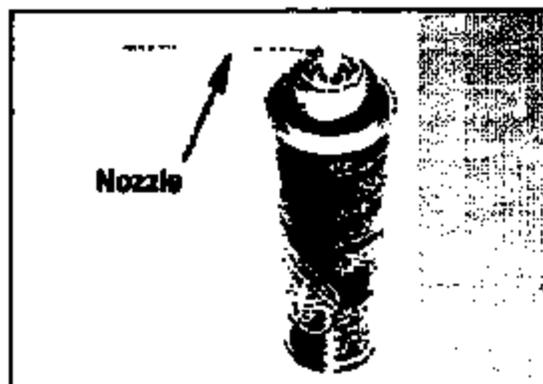


**NOTE:** If there is not a sufficient gap between the rear brake tubes and the steering gear box mounting bracket, the primer may not cover all of the contact area.

- 7.



surface treatment on the bracket and the rear brake tube contact area evenly as shown (apply 3 light squirts).



**NOTE: Keep the gap open for at least 3-4 minutes or until the surface treatment is dry.**

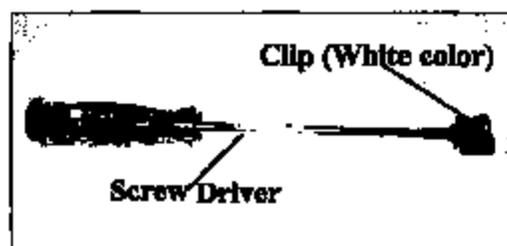


8. Before applying the anti-corrosion wax (CT-21), install the nozzle into the spray tip.

9. Evenly apply anti-corrosion wax on the steering gear box mounting bracket and the rear brake tube contact area (apply 6 light squirts).



10. Prepare the brake tube clip as shown.





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11. Before installing the brake tube clip, apply the anti-corrosion wax inside the clip as shown.



12. Make a gap between the rear brake tubes and the steering gear box mounting bracket using a flathead screwdriver.

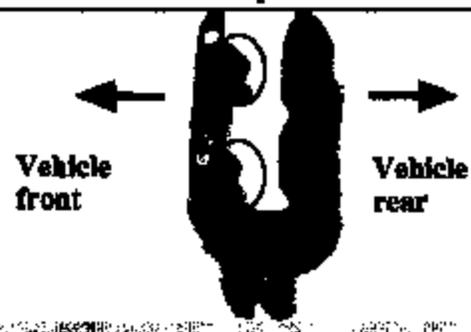


13. Install the brake tube clip on the rear brake tubes where the surface treatment and anti-corrosion wax were applied.



**NOTE:** The brake tube clip is directional. The locking tabs inside the clip should face toward the vehicle front.

Brake tub clip installation



14. Apply the anti-corrosion wax on the rear brake tubes and brake tube clip evenly.

15. Lower the vehicle.



**SERVICE PROCEDURE C (For Tiburon vehicles not equipped with ABS):**

**CAUTION:** Wear eye protection when performing this procedure:

1. Verify the vehicle is affected by identifying the vehicle production date range and VIN.

**NOTE:** Apply this procedure to both left and right sides at the rear brake tube contact areas with the steering gear box mounting brackets.





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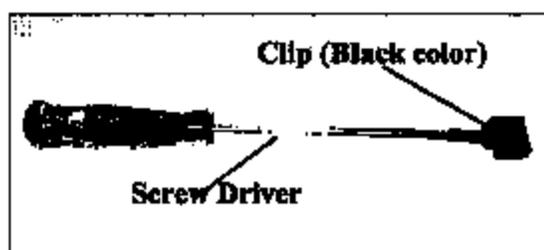
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2. Raise the vehicle.
3. Locate the rear brake tube contact areas with the steering gear box mounting brackets.
4. Clean the contact areas using shop air and a rag.



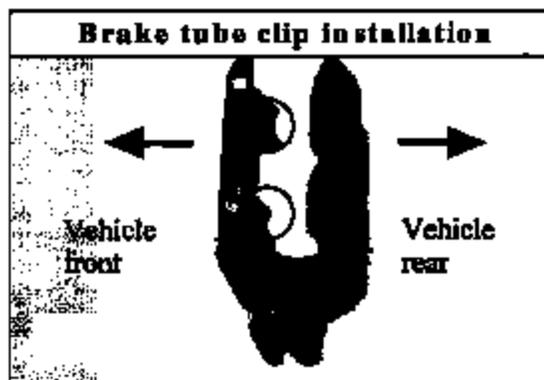
5. Prepare the brake tube clip as shown.



6. Make a gap between the rear brake tube and the steering gear box mounting bracket by gently prying with a flathead screwdriver.
7. Install the brake tube clip on the rear brake tubes where the tubes contact the steering gear box mounting bracket.



**NOTE:** The brake tube clip is directional. The locking tabs inside the clip should face toward the vehicle front.



8. Install the rear brake tube clip on the other side of the vehicle on the rear brake tubes at the contact area with the steering gear box mounting bracket.
9. Lower the vehicle.



**SERVICE PROCEDURE D (For Tiburon vehicles not equipped with ABS):**

**CAUTION: Wear eye protection when performing this procedure:**

1. Verify the vehicle is affected by identifying the vehicle production date range and VIN.

**NOTE: Apply this procedure to left side at the rear brake tube contact area with the steering gear box mounting bracket.**





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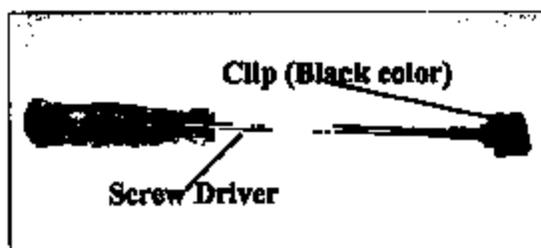
Number

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2. Raise the vehicle.
3. Locate the rear brake tube contact area with the steering gear box mounting bracket.
4. Clean the contact area using shop air and a rag.



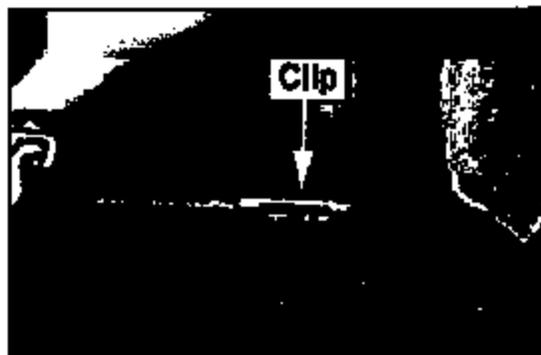
5. Prepare the brake tube clip as shown.



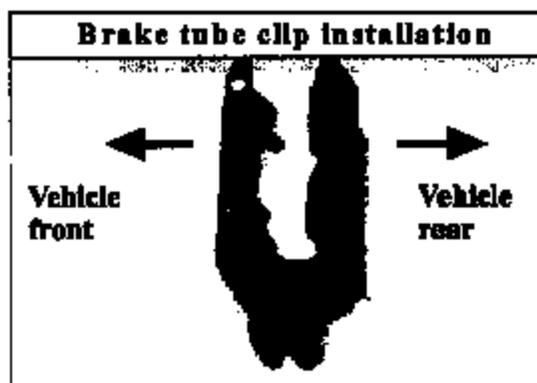
6. Make a gap between the rear brake tubes and the steering gear box mounting bracket by gently prying with a flathead screwdriver.



7. Install the brake tube clip on the rear brake tubes where the tube contacts the steering gear box mounting bracket.



**NOTE: The brake tube clip is directional. The locking tabs inside the clip should face toward the vehicle front.**



8. Lower the vehicle.



**CAMPAIGN CLAIM INFORMATION:**

MODEL	OP CODE	OPERATION	OP TIME
ELANTRA (XD) ABS	31B034R0	Primer & wax application and brake tube clip installation (Both sides)	0.3 M/H
ELANTRA (XD) NON-ABS	31B034R1	Primer & wax application and brake tube clip installation (Left side)	0.2 M/H
TIBURON (GK)	31B034R2	Brake tube clip installation (Both sides or left side)	0.2 M/H

**Note: Submit Claim Using Campaign Claim Screen**