

**CONDITION OF CONCERN**

On certain 2009 Mazda B-Series trucks equipped with 2-wheel drive, the front spindle stem may crack due to an improper manufacturing process of the spindle. If a fracture of the spindle stem occurs, the wheel may separate from the axle, which may result in a loss of steering, increasing the risk of a crash without warning.

**SUBJECT VEHICLES**

Model	VIN Range	Build Date Range
2009 Mazda B2300 with 2-wheel drive	4F4YR12D*9P M00032-M00984 4F4YR16D*9P M00553-M00985	From August 22, 2008 through October 13, 2008

Note: The asterisk symbol "\*" can be any letter or number.

**OWNER NOTIFICATION**

Mazda will notify U.S. owners by first class mail beginning **February 09, 2009**.

**PARTS INFORMATION**

Description	Part Number	Quantity	Notes
Spindle, right, coil type	1F80-33-020	1	Available in eMDCS
Spindle, left, coil type	1F80-33-030	1	Available in eMDCS
Hardware kit	1FBA-32-190	1 per spindle	Available in eMDCS
Campaign Label	9999-95-065A-05	1=50 labels	Obtain in MStore (no charge)

**IMPORTANT NOTE:** Only a small number of vehicles are affected by this recall. Please do not stock these parts.

**WARRANTY CLAIM PROCESSING INFORMATION**

	Front Spindle Inspection Only	Front Spindle Inspection and Replacement (One side)	Front Spindle Inspection and Replacement (Both sides)
Warranty Type Code	R	R	R
Symptom Code	99	99	99
Damage Code	99	99	99
Process Number	J0902A	J0902B	J0902C
Part Number Main Cause	1F80-33-020	1F80-33-020 / 1 or 1F80-33-030 / 1	1F80-33-020
Part Quantity	0	1	1
Related Part/Qty	-	1FBA-32-190 / 1	1F80-33-030 / 1 1FBA-32-190 / 2
Labor Operation Number	YY599ARX	YY599BRX	YY599CRX
Labor Hours	0.2	2.0	2.8

**RENTAL CAR**

As a reminder, owners may request information about their eligibility for a rental car. Rental car reimbursements are available only on vehicles within the mileage and time limitations under the Mazda New Vehicle Limited Warranty as stated in the Rental Car Reimbursement Program (Policy No. 12.0).

	Rental Agency Vehicle	Dealer Loaner Car Fleet Vehicle
Warranty Type Code	A	A
Symptom Code	99	99
Damage Code	99	99
Part Number Main Cause	5555-RE-NTAL	5555-LO-ANER
Part Quantity	0	Number of days loaner car was used Mazda pays \$35.00/day
Labor Operation Code	MM012XRX	MM012XRX
Labor Hours	0.0	0.0
Sublet – Rental Car		
Sublet Invoice Number	Number from Rental Invoice or Dealer Purchase Order	
Sublet Type Code	Enter "L"	
Sublet Amount	Up to \$30.00 per day for the number of days customer had rental car	

Rental expenses exceeding the two-day limit will require prior DCSM Authorization, as outlined in the Rental Car Reimbursement Program policy.

#### VERIFY THE VEHICLE NEEDS THE RECALL

1. Verify the vehicle is within the following ranges:

Model	VIN Range	Build Date Range
2009 Mazda B2300 with 2-wheel drive	4F4YR12D*9P M00032-M00984 4F4YR16D*9P M00553-M00985	From August 22, 2008 through October 13, 2008

If the vehicle is within the above range, go to step 2.

If vehicle is not within the above range, return it to inventory or the customer.

2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect vehicle for an Authorized Campaign Label RECALL 5109A attached to the vehicle's bulkhead.

#### eMDCS System - Vehicle Status Inquiry Results

If eMDCS displays:	Campaign Label is:	Action to perform:
RECALL 5109A	Present	Contact the Mazda Corporate Dealer Assistance Group at (877) 727-6626, option 2, to update vehicle history
	Not present	Proceed to "REPAIR PROCEDURE"
RECALL 5109A CLOSED	Present	Return vehicle to inventory or customer
	Not present	Complete a label and apply to vehicle's bulkhead
RECALL 5109A is not displayed	Does not apply	Recall does not apply to this vehicle. Return vehicle to inventory or customer

**Note:** Verify the recall number as the vehicle may have multiple labels.

#### REPAIR PROCEDURES

Please refer to Attachment II.



**Electronic Field Communication**

**Information**

**eFC Number:** eFC-J-08-00561

**Date:** Tuesday, January 27, 2009

**Subject:** Repair Procedure for Voluntary Safety Recall 5109A, 2009 MAZDA B-Series 4X2 Front Spindle and Parts Availability Schedule

**Originating**

**Name:** Gabriela Laur

**Dept:** TSD

**Email ID:** glaur@mazdausa.com

**Phone:** 8-6590

**Summary:** Send repair procedure for recall 5109A so dealers can inspect their inventory. Parts availability has been delayed a week.

**See Also eFC Number(s):**

**Dealer Communication:** Yes

**Additional Contacts:**

**eFC Type:**

**Sales Operations:**

**Fixed Operations:**

**Concur:**

Tom Hannah

**Communication**

The following information will be e-mailed to all dealers upon release of this eFC.

**Attention Mazda Service and Parts Managers:**

Attached is the repair procedure for Voluntary Safety Recall 5109A – 2009 B-Series 4x2 Front Spindle.

Parts availability has been delayed. You will be able to start ordering parts on February 5, 2009. In the meantime, please inspect your inventory following the attached procedure.

The repair procedure will also be available in MS3 on January 28, 2009.

We apologize for any inconvenience this recall may cause you and your customers. Your understanding and support in carrying out this campaign are greatly appreciated.

**Mazda Technical Services**

Gaby Laur

949-442-6590



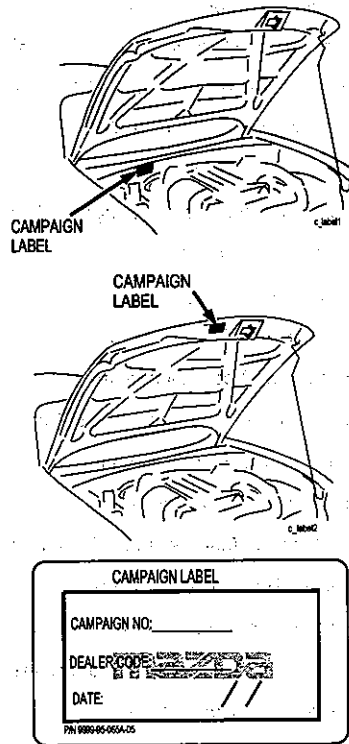
Addressees – Check appropriate division, department, region or position

MNAO	REGION	OTHER (include GAL listing or email)
Executive Committee (Executive Committee)	<input type="checkbox"/> Regional General Manager (ALLRGM)	<input checked="" type="checkbox"/> Port Managers (All Port Mgrs) <input type="checkbox"/>
Executive Committee Assistants (EC Asst)	<input type="checkbox"/> Executive Assistants (Admin-Exec Asst)	<input type="checkbox"/> Port Employees (All Ports) <input type="checkbox"/>
Sales Operations Division	<input type="checkbox"/> Region Sales Managers (RSM)	<input checked="" type="checkbox"/> Other: Rod Matheson <input checked="" type="checkbox"/>
Sales	<input checked="" type="checkbox"/> Sales Operations Manager (SOM)	<input checked="" type="checkbox"/> Other: Carol Robbins <input checked="" type="checkbox"/>
Fleet	<input checked="" type="checkbox"/> District Operations Manager (ALL DOM)	<input checked="" type="checkbox"/> Other: Clark Weyenberg <input checked="" type="checkbox"/>
Distribution	<input type="checkbox"/> District Sales Manager (ALLDM)	<input checked="" type="checkbox"/> Other: Charles Kim <input checked="" type="checkbox"/>
Logistics (Logistics Department)	<input type="checkbox"/> All Sales Operations Specialists	<input type="checkbox"/> Other: <input type="checkbox"/>
Dealer Operations Division	<input type="checkbox"/> Region Customer Service & Parts Manager (RCSPM/formerly RSPM)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Dealer Profitability	<input type="checkbox"/> Service Field Operations Manager (SFOM)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Retail Development	<input type="checkbox"/> Parts Operations Manager (POM/formerly ASPM)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Customer Service & Parts Mgmt (CS&P mgmt)	<input checked="" type="checkbox"/> District Service Manager (DSM)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Customer Service & Parts Misc. (CS&P Misc)	<input type="checkbox"/> Area Parts Manager (APM)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Service & Parts Marketing (Svc & Parts Mkt)	<input checked="" type="checkbox"/> Technical Operations Manager (TOM)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
L.I.D. (Corp. Only)	<input type="checkbox"/> Technical Specialist	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Accessory	<input type="checkbox"/> Technical Training	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Warranty & Service Assurance	<input type="checkbox"/> Cust Satisfaction Mgr (CSM)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Cust Satisfaction & Loyalty	<input type="checkbox"/> Fixed Ops Process Managers	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
CAC Management	<input type="checkbox"/> Sales Process Manager (Sales Pro Mgr)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Customer Mediation Department	<input checked="" type="checkbox"/> Dealer Development Managers (DDM)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Dealer Affairs (DLR Affairs)	<input type="checkbox"/> Business Development Mgrs (BDM)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Marketing Operations Division	<input type="checkbox"/> Market Rep. Managers (Mkt Rep Mgr)	<input type="checkbox"/> Other: <input type="checkbox"/>
Product Planning (Product Planning)	<input checked="" type="checkbox"/> Market Rep. Coordinator/Specialist	<input type="checkbox"/> Other: <input type="checkbox"/>
Audit (Internal Audit)	<input type="checkbox"/> Sales Planning Manager (ALLSPM)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
Legal	<input type="checkbox"/> Sales Planning Coordinator/Specialist	<input type="checkbox"/> Other: <input type="checkbox"/>
Finance Division (Finance)	<input type="checkbox"/> Marketing Manager (Marketing Mgr)	<input type="checkbox"/> Other: <input type="checkbox"/>
Human Resources (HR)	<input type="checkbox"/> Marketing Coordinator/Specialist	<input type="checkbox"/> Other: <input type="checkbox"/>
Public Relations (Public Affairs)	<input type="checkbox"/> Midwest Region (All Midwest)	<input type="checkbox"/> Other: <input type="checkbox"/>
Dealer Assistance Group-All	<input checked="" type="checkbox"/> Northeast Region (All Northeast)	<input type="checkbox"/> Other: <input type="checkbox"/>
Dealer Assistance Group-Corp	<input type="checkbox"/> Southeast Region (All Southeast)	<input type="checkbox"/> Other: <input type="checkbox"/>
Dealer Assistance Group-Field	<input type="checkbox"/> Western Region (All Western Region)	<input type="checkbox"/> Other: <input type="checkbox"/>
Employees Only – (Corp)	<input type="checkbox"/> Gulf Region (All Gulf)	<input type="checkbox"/> Other: <input type="checkbox"/>
Employees Only – (All MNAO)	<input type="checkbox"/> McGaw (All McGaw)	<input checked="" type="checkbox"/> Other: <input type="checkbox"/>
IT- Helpdesk	<input type="checkbox"/> Mazda Parts Operation Guide	<input type="checkbox"/> Other: <input type="checkbox"/>

**A. VEHICLE INSPECTION PROCEDURE**

1. Verify that the vehicle is within the following ranges:
  - Year Range (2009) Model (B-Series 4x2) Produced (August 22, 2009-October 13, 2008)
  - VIN Range: For B2300 4F4YR12D\*9P M00032-M00984 and 4F4YR16D\*9P M00553-M00985, and for Canada B4000 4F4YR46E\*9P M00220-M00936.
  - If the vehicle is within the above range, proceed to step 2.
  - If the vehicle is not within the above range, return the vehicle to the customer or inventory.
2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect vehicle for a Campaign Label 5109A attached to the vehicle's hood or bulkhead. Refer to eMDCS System - Warranty Vehicle Inquiry Results table below.

**NOTE:** Verify Recall number as the vehicle may have multiple Recalls.



**eMDCS System - Warranty Vehicle Inquiry Results**

If eMDCS displays:	Campaign Label is:	Action to perform:
5109A OPEN	Present	Contact the Mazda Corporate Dealer Assistance Group at (877) 727-6626 to update vehicle history.
	Not present	Proceed to "REPAIR PROCEDURE".
5109A CLOSED	Present	Return vehicle to inventory or customer.
	Not present	Complete a label and apply to vehicle's hood or bulkhead.
5109A is not displayed	Does not apply	Recall does not apply to this vehicle. Return vehicle to inventory or customer.

## B. REPAIR PROCEDURE

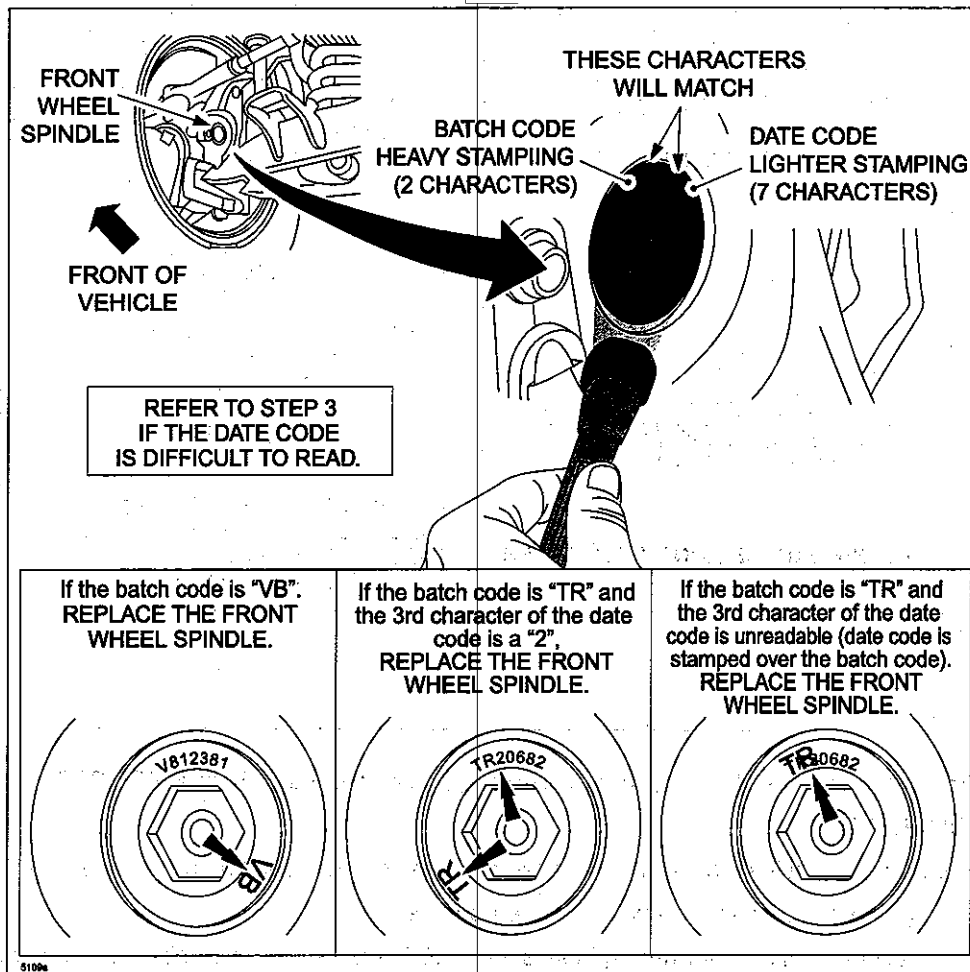
### INSPECTION PROCEDURE

This inspection involves locating and identifying the spindle batch code and date code on the in-board side of each of the front wheel spindles.

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to the Workshop Manual section 00.

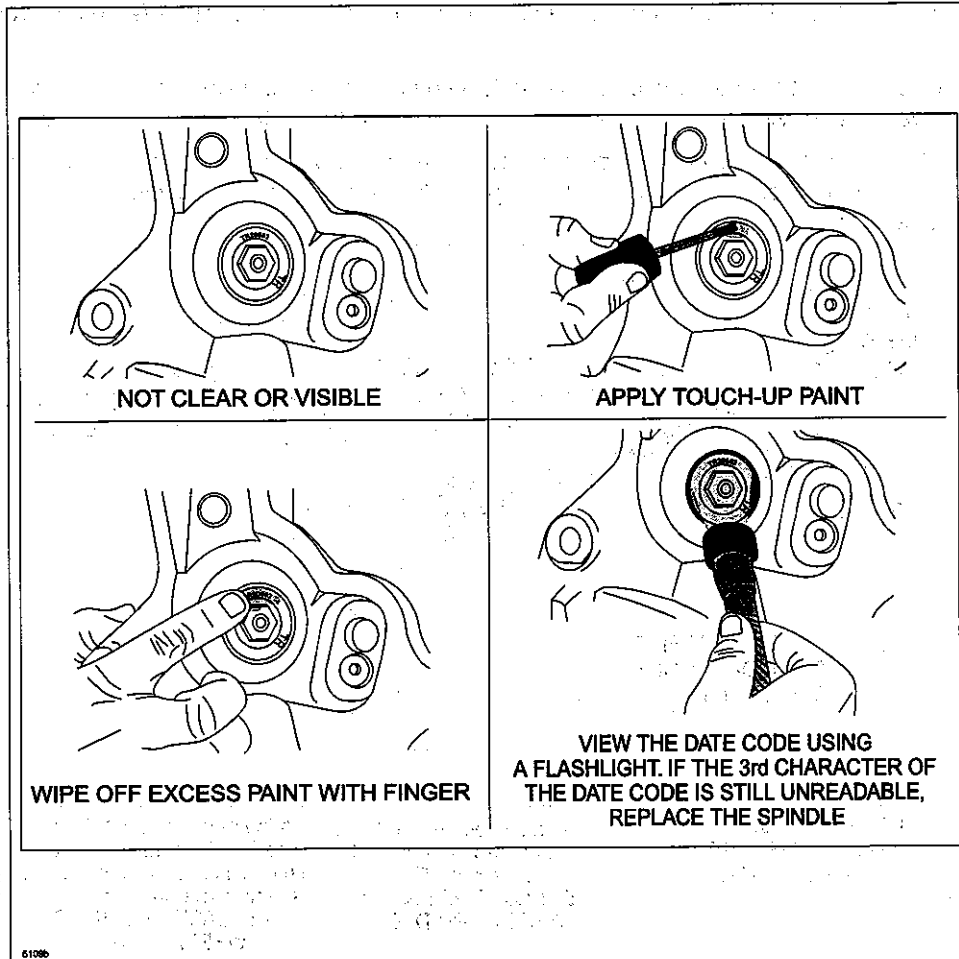
**NOTE:** Make sure that the steering column is unlocked so that the front wheels will have side-to-side movement. Move the front wheels slowly to avoid aeration in the power steering system.

2. Inspect the front wheel spindle batch code and date code (as shown) on both the left and right front wheel spindles by turning the front wheels. Use a flashlight so that a clear visual inspection of the inner spindle area can be performed.



**NOTE:** The third character of a TR spindle will be either a 1 or a 2. Spindles with "TR1" DO NOT require replacement. Spindles with a batch code other than VB or TR also DO NOT require replacement.

3. If the front wheel spindle date code is NOT clear or visible on a TR spindle, perform the following to improve the visibility as shown.
  - Apply a layer of WHITE or YELLOW touch-up paint over the date code.
  - Using your finger, remove the excess paint. DO NOT use a shop towel. The towel will remove too much of the paint and impair the ability to read the date code.



4. For the front wheel spindles that require replacement, proceed to the SERVICE PROCEDURE.
- SERVICE PROCEDURE**

1. For the front wheel spindles that require replacement, refer to the Workshop Manual section 2-13.
2. Check the alignment, and if necessary, adjust the front toe.

**NOTE:** The replacement of a front wheel spindle should NOT affect the front camber/caster angles enough to require an adjustment. If the camber/caster measurement is out of specification, it will be necessary to contact the Hotline for prior approval before any camber/caster adjustments are made.

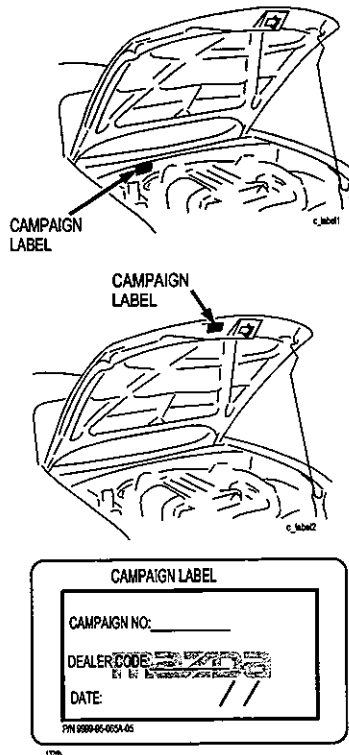
### C. CAMPAIGN LABEL INSTALLATION

Complete an "Campaign Label" with the Recall number written on the sticker and affix it to the vehicle's hood or bulkhead. Refer back to the illustration under "A. VEHICLE INSPECTION PROCEDURE".

**A. VEHICLE INSPECTION PROCEDURE**

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## B. REPAIR PROCEDURE

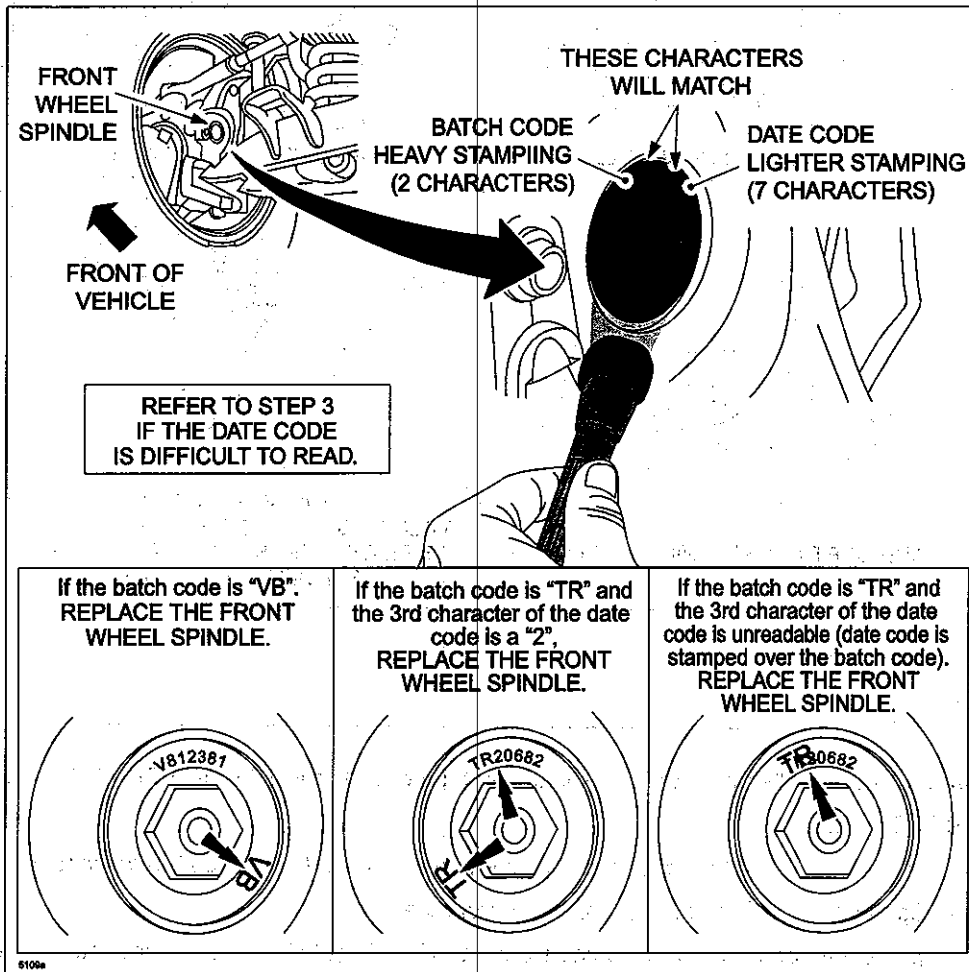
### INSPECTION PROCEDURE

This inspection involves locating and identifying the spindle batch code and date code on the in-board side of each of the front wheel spindles.

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to the Workshop Manual section 00.

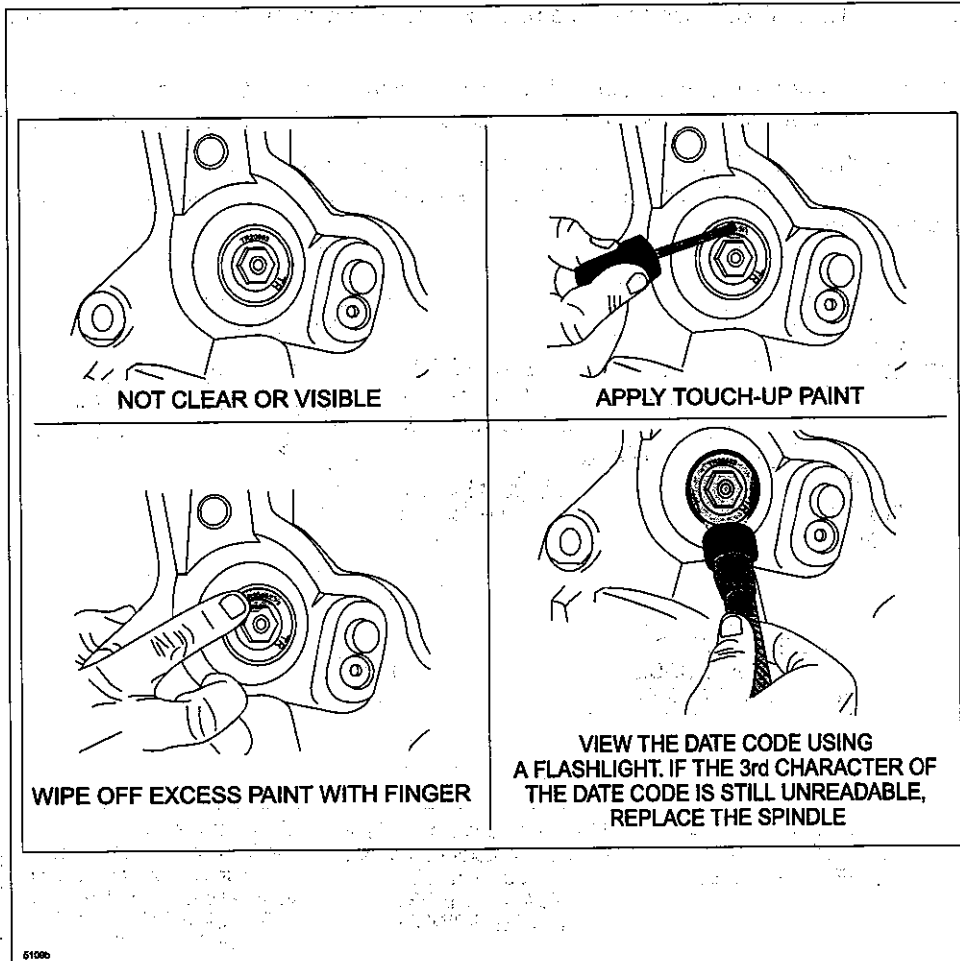
**NOTE:** Make sure that the steering column is unlocked so that the front wheels will have side-to-side movement. Move the front wheels slowly to avoid aeration in the power steering system.

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### C. CAMPAIGN LABEL INSTALLATION

Complete an "Campaign Label" with the Recall number written on the sticker and affix it to the vehicle's hood or bulkhead. Refer back to the illustration under "A. VEHICLE INSPECTION PROCEDURE".