

**C I T R O Ë N**  
**C A R S   C O R P O R A T I O N**



40 VAN NOSTRAND AVENUE - ENGLEWOOD, N. J. 07631

12615 BEATRICE STREET - LOS ANGELES, CALIF. 90066

**TECHNICAL INFORMATION #C-362**

**MODELS:    " D "    MODELS**

**SUBJECT: BRAKE SYSTEM:    Recall Campaign**

**SEE ENCLOSURES ATTACHED**

## REPLACEMENT OF THE HYDRAULIC LINES

### ON THE BRAKE CONTROL UNIT

#### PROCEDURE:

1. Open the hood. Support it in the fully opened position (completely vertical).
2. Remove the positive (+) cable from the positive post of the battery.
3. In the vicinity of the left front suspension sphere:
  - Separate the bayonet connections of the white, green and blue wires of the oil pressure and water temperature circuits.
  - Disconnect the primary wire from the distributor.
  - Disconnect the secondary wire from the tower of the coil.
4. Place the car in "low" position (manual height control lever all the way down).
  - Remove the left front sphere.
  - Cover the exposed suspension cylinder with a suitable plastic cap.
  - Open the bleed screw of the pressure regulator.
5. From the inside of the car, remove the floorboard covering the brake control unit.
6. From the engine side of the firewall (below the steering column):
  - Loosen and remove the two nuts and one screw (10 mm. wrench) fastening the sealing flanges which join the brake control unit with its feed lines.
  - Loosen and remove the 2 nuts (8 mm. wrench) attaching the support plate with the rubber dust boot to the firewall. A third screw (11 mm. head) may be reached from inside the car by ungluing the insulation padding from the cowl board.
7. Remove the brake control unit assembly (the piping, the support plate and dust boot) from the inside of the car.

Note: During this operation have a helper retrieve the seal plates interposed between the sealing flanges. This must be done from the engine side of the firewall.
8. On the bench, remove the assembly of the hydraulic piping from the brake control unit. Replace the piping only with the new piping assembly. Use new seals throughout.
9. Mount the brake control unit in the car, reversing the procedure for removal.

10. Start the motor. Close the bleed screw of the pressure regulator. Place the car in normal drive position. If necessary, replenish the fluid in the main reservoir.

11. Bleed the brakes.

Procedure:

- Support the rear of the car on horses.
- Let the motor run at idle speed.
- Attach a transparent plastic tube from the bleed screw of each rear wheel cylinder to a clean jar partially filled with fresh fluid. Submerge the ends of the plastic tubes in the fluid.
- Open the bleed screws of the rear wheel cylinders. Have an assistant depress the brake pedal repeatedly, but slowly until there are no more air bubbles. Close the bleed screws. Remove the plastic tubes.
- Attach transparent plastic tubes to the bleed screws of the front brake units. Submerge the opposite end of the tubes in the fluid of the main reservoir.
- Open the bleed screws of the front brake units. Have an assistant depress the brake pedal repeatedly, but slowly until there are no more air bubbles. Close the bleed screws. Remove the plastic tubes.

Note: On the DX model, the bleed screw for the left front brake is incorporated on the accelerated idling unit of the carburetor. The bleed screw of the right front brake is on the rear of the centrifugal regulator.

On the DJ model, the bleed screw for the right front brake is at the brake stirrup. The bleed screw for the left front brake is at the accelerated idling unit.

- Remove the rear horses. Allow the car to stabilize in normal drive position.

12. Check for leaks.

Note: It may be advantageous to wait until this operation is completed before replacing the brake control floorboard.

13. Road test the car.

TOOLS REQUIRED

1/4" drive ratchet

1/4" drive deep socket - 8 mm.

1/4" drive deep socket - 10 mm.

1/4" drive medium socket - 11 mm.

Combination open end and box wrench - 8 mm.

Combination open end and box wrench - 9 mm.

Combination open end and box wrench - 10 mm

Combination open end and box wrench - 11 mm

Combination open end and box wrench - 12 mm

Open end wrench - 14 mm. (2)

# CITROËN

CARS CORPORATION

40 VAN NOSTRAND AVENUE - ENGLEWOOD, NEW JERSEY 07631

N.J. (201) 871-3100  
N.Y. (212) 688-1161

CABLE: CITROENCAR  
TELEX: 13-5315

REGISTERED MAIL  
RETURN RECEIPT REQUESTED

To : ALL CITROEN DEALERS

From : RECALL CAMPAIGN ( BRAKE LINES ASSEMBLY )

Models : "D" MODELS - ALL TYPES MANUFACTURED BETWEEN  
APRIL 1st 1971 and OCTOBER 19, 1971 (inclusive)

INCIDENT :

Because of manufacturing error, the front brake and rear brake feed lines were switched at their welding point on a connecting plate located on part No. ( DX 394-330A ) ( installed on the brake master control ) on the above mentioned models. Consequently, the front brake circuit is fed by the rear suspension and the rear brake circuit by the front brake accumulator, and because of the difference of pressure due to brake apportionment, this condition may lead to premature rear wheel locking under certain conditions of braking and vehicle load. However, in any case, the front and rear brakes are fully operative.

The incorrect brake piping assembly ( No. DX 394-330A ) (and its seals, if necessary) must be replaced on all vehicles affected by this campaign, at no charge to the vehicle owner.

This recall campaign is being made under the provisions of the National Traffic and Motor Vehicle Safety Act of 1966.

DIAGNOSIS :

All types "D" models manufactured between April 1st and October 19, 1971, inclusive, are subject to the aforementioned condition.

... / ...

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The month and year of manufacture are indicated on the conformity plate affixed to the left "A" pillar. The following test will reveal whether or not the car in question requires replacement of the piping assembly :

1. Put the height lever in low position in order to release pressure in the suspension system. In this position the pressure reserve of the brake accumulator should feed the front brakes.
2. Release the hand brake. Lift one side of the car with a jack, so that the front and rear wheels can be spun manually.
3. Apply the brakes and check if the pressure actuates the front brakes or the rear brakes.
  - a) If pressure actuates the front brakes, the piping assembly is O.K.
  - b) If pressure actuates the rear brakes, the piping assembly must be changed.

REPAIR PROCEDURE :

Piping assembly ( part No. DX 394-330A ) must be replaced on all vehicles affected by this campaign. Technical Bulletin No. C 362 describing the replacement of this part is enclosed.

PARTS :

CITROEN CARS CORPORATION will provide the parts necessary for the vehicles in question, free of charge.

VEHICLES CONCERNED IN YOUR AREA :

Enclosed is a list of cars shipped to you that are affected by this campaign ( if no list is enclosed, our records indicate that no such cars were shipped to you; however, please familiarize yourself with the repair operation as outlined in technical bulletin No C 362, since a customer may choose to have the repair done by you ).

OWNERS NOTIFICATION :

The owners known to CITROEN CARS CORPORATION through the Record of Delivery card have been notified by CERTIFIED LETTER. Enclosed is a sample of the letter which has been sent to all customers concerned. If you know of a car, subject to this recall campaign, which has been re-sold, please make every effort to contact the new owner, and also advise CITROEN of the details of new ownership.

DEALER'S STOCK :

It is the responsibility of the dealer that the modification be made on all cars which, according to our records, are still in dealer's stock.

No car appearing on this list should be sold until the modification has been done.

A recall coupon is enclosed for each car that is in your stock. After completion of the recall operation, these coupons, signed by the Dealer shall be returned to CITROEN CARS CORPORATION.

REIMBURSEMENT :

The recall campaign coupon will serve as proof of repair, in a way similar to the 600 mile inspection card. After completion of repair, please submit immediately to CITROEN CARS CORPORATION a copy of the work order with the recall coupon attached to it. It is mandatory that the servicing dealer stamp this coupon, indicating the date of repair of the vehicle concerned and have the owner sign the coupon.

Reimbursement will be made on the basis of your established hourly warranty labor rate.

The defective parts should be returned to CITROEN CARS CORPORATION following normal warranty procedures.

COMPLIANCE :

We remind you that this recall campaign is being made under Part 573 of the National Traffic and Motor Vehicle Safety Act of 1966. Your Compliance is required under federal law.

CITROEN CARS CORPORATION



René France  
Executive Vice-President

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## CERTIFIED MAIL

Dear Citroen Customer:

We have determined that some 1971 and 1972 CITROEN "D" models ( "D SPECIAL" - "DS-21" Sedans and Station Wagons ), have an erroneous connection in the brake system. Our records indicate that you purchased one of these vehicles, the serial number of which appears on the enclosed recall campaign coupon.

If you have sold this car, please call CITROEN CARS CORPORATION collect, and advise us of the name and address of the new owner, please!

The erroneous connection involves the switching of the front and rear brake circuit hydraulic lines at their welding point on a connecting plate of a multiple connector located on the brake master control. Because of the brake hydraulic pressure apportionment between front and rear brake circuits which is designed in every Citroen "D" model, this assembly error makes the pressure in the front circuit always less than that in the rear circuit. In turn, this may lead, under certain conditions of braking and vehicle load, to the premature locking of the rear wheels, thus impairing the efficiency of the brake system.

CITROEN CARS CORPORATION has advised its Dealers of this condition and a recall campaign has been organized, in order to correct it. Your dealer is familiar with the service procedure required to eliminate the above described defect and will perform it for you at no charge, either for parts or labor.

... / ...

WHOLLY OWNED SUBSIDIARY OF S.A. AUTOMOBILES CITROËN, PARIS, FRANCE

On receipt of this letter, please contact your selling dealer for an appointment. If you desire to have the repair done at a CITROEN Dealer other than the one that sold you the car, please call us collect and mention " recall appointment ".

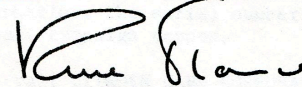
The enclosed recall campaign coupon will serve as proof of repair, and compliance with federal law. After completion of the repair, you must sign the coupon and give it to the servicing Dealer.

This recall campaign is being made under the provisions of the National Traffic and Motor Vehicle Safety Act of 1966.

We regret the necessity of this corrective action and any inconvenience that it may cause you, but we are sure that you will understand that this action is taken with your best interest in mind.

Thank you for your cooperation in this matter.

CITROEN CARS CORPORATION



René France  
Executive Vice-President

Enclosure