



10-01-67-01

**RE10/04 – Flying 'B' Mascot Not Retracting**

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**Applicability:**

Bentley Arnage T, Arnage R, Arnage RL, Arnage Final Series, Azure & Brooklands

**Market Region:** All**Introduction:**

The Flying 'B' mascot is required to retract when struck.

**Description:**

This procedure is to be carried out on all the vehicles detailed on the attached VIN list.

**Procedure:**

Before commencing work, it is advised to wash the radiator shell and grille with mild detergent to remove dirt.

**Removal**

1. Place the vehicle on a ramp
2. From beneath the vehicle remove the two fasteners (1). You can access these behind the bumper moulding (see Figure 1)
3. Open the bonnet and loosen four screws retaining the radiator shell; the plastic seal (3) may now be removed (see Figure 2)
4. Remove the four screws (1) and washers (2) and lift out the radiator cover assembly (see Figure 2)

<b>Care Point: Be sure to place the radiator cover assembly on a protective surface</b>
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5. Remove the fasteners holding the matrix grille; make note of any washers or spacers prior to removal, lift out assembly and place on a protective surface (see Figure 3)
6. Remove the four fasteners holding the mascot mechanism in place and lift out the assembly
7. To remove the gas spring and ball mounts refer to ASSIST: 6724 discard the gas spring



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8. The mascot assembly (1) will need to be removed from the retractable mascot mechanism (2) to put onto the new assembly (see Figure 4)
  - Manoeuvre the mascot mechanism to the raised position; supporting the back, knock out the upper roll pin with an adequate punch (see Figure 5)
  - Lower the mascot and knock out the lower pin and remove the assembly
9. Fit the gas spring ball mounts to the new mechanism (see Figure 6), apply a small amount of proprietary grease (Retinax 'A' or similar) and push the new gas spring onto the ball mounts

**Care Point: Use a needle file to remove the paint from the holes on the mascot assembly to ensure easier fitment of the new pins**

10. Apply a small amount of grease to the nylon bearings before placing the original mascot assembly onto the arms of the new mascot mechanism
11. Using adequate support tap the new pins into place (see Figure 7)

**Care Point: Place the snap rings into the pin after locating in the hole**

12. Put the nylon washer on the pin, slightly greased, and use the snap ring to hold the assembly in place (see Figure 8); repeat for the opposite side

### Refit

13. Referencing Figures 9 and 10, adjust the new mechanism to give sufficient overtravel in the system when the mascot is pulled up. This overtravel should exist at point B to allow the pawl to lock in and the mascot to stay up each time the mascot is reset. If the mascot does not latch into place, increase the overtravel by lowering the assembly relative to the radiator shell. This is done by lowering the new mechanism before tightening the screws detailed in Figure 10. Inset A shows the pawl correctly engaged

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**Care Point: Ensure an even gap around the plinth and the radiator shell prior to tightening the fixings**

14. Place the grille into position and tighten fasteners (see Figure 3)
15. Put the radiator assembly back onto the vehicle and secure in place with the four fasteners running along the top of the radiator shell (see Figure 2)
16. Slide in the plastic seal (3) before tightening the four fasteners (see Figure 2)
17. Raise the car up on the ramp to access the lower studs and fasten with two bolts (see Figure 1)
18. Check the mechanism retracts smoothly and without any restriction when struck by hand. Check the mechanism locks back into position when pulled back up
19. Check the mechanism retracts smoothly and without any restriction when struck by hand. Check the mechanism locks back into position when pulled back up. If not, refer to operations 13 to re adjust
20. Apply Campaign completion label (part number WT10266) to the headlight mounting bracket adjacent to the left hand side bonnet latch (see Figure 11)

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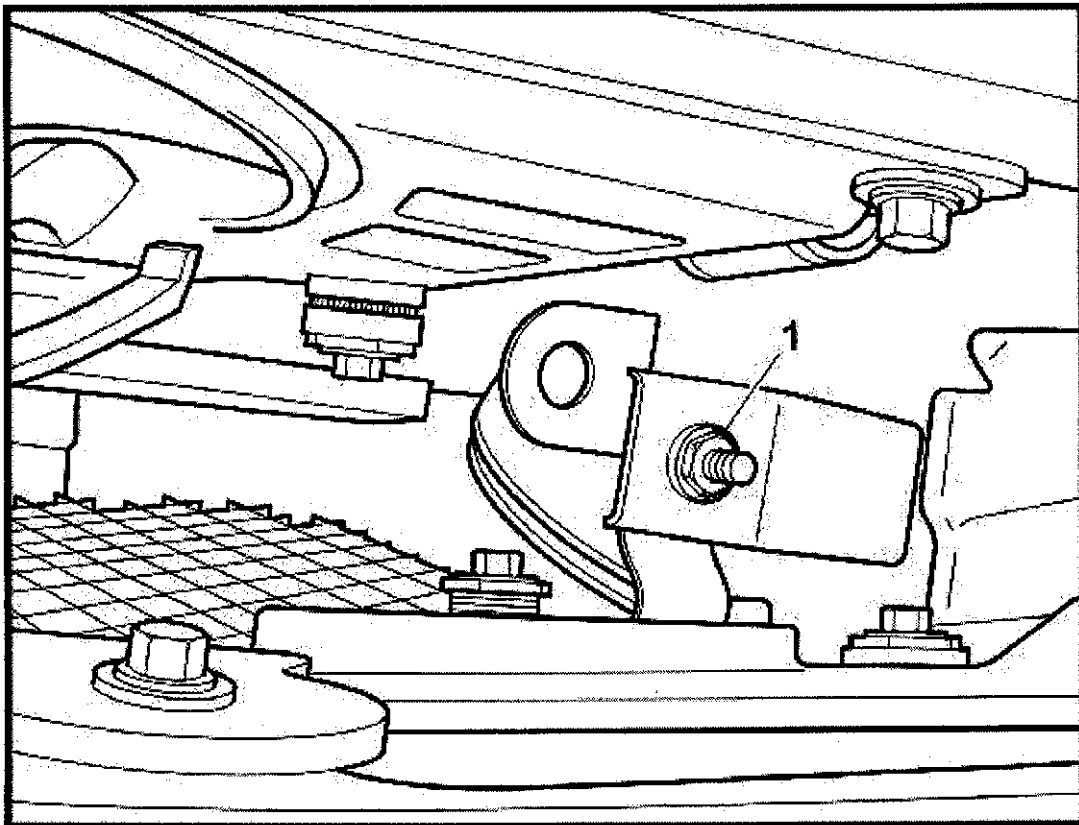


Figure 1



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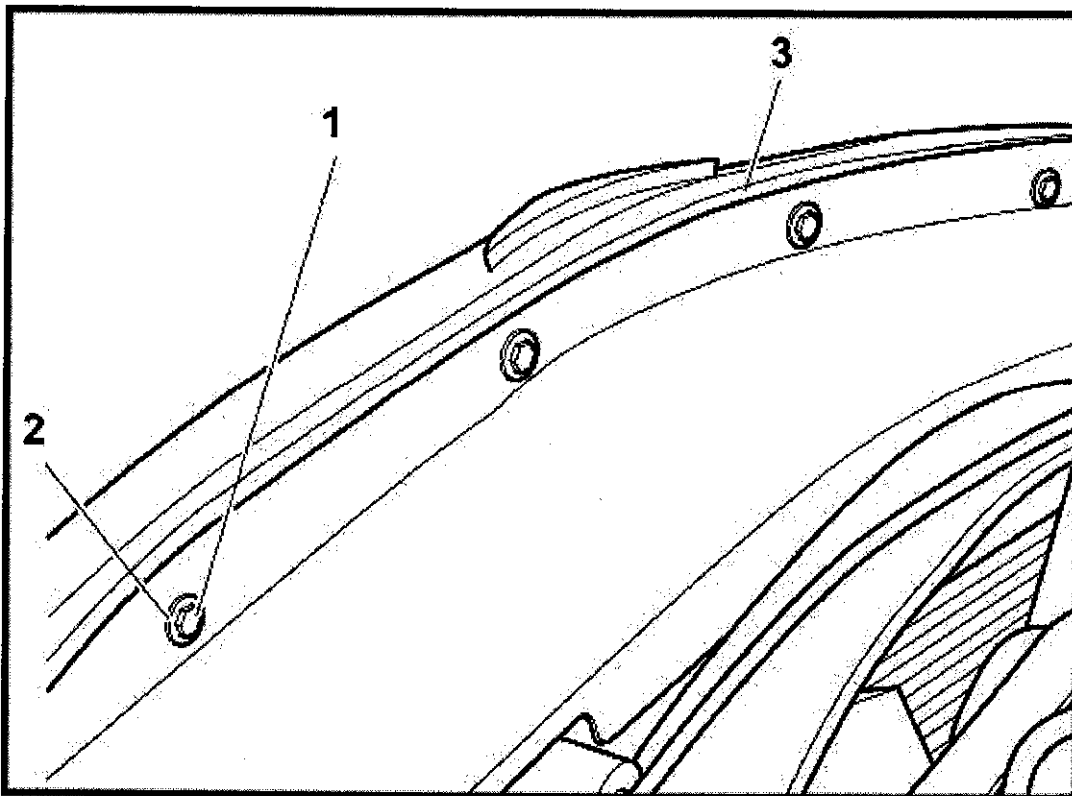


Figure 2

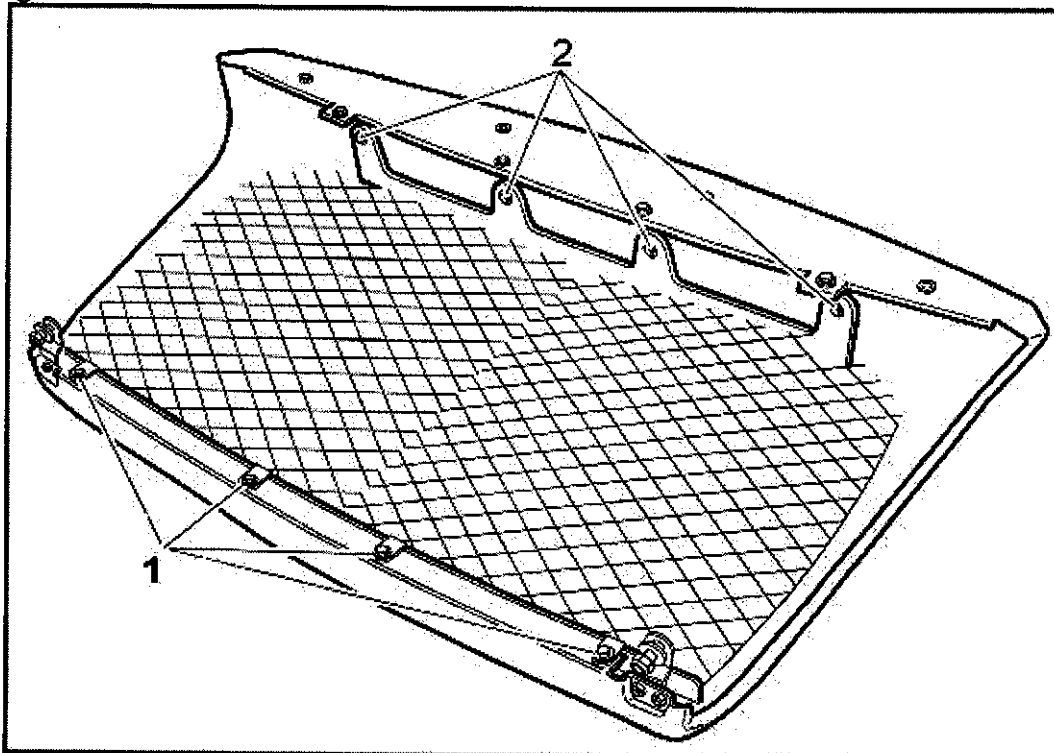


Figure 3



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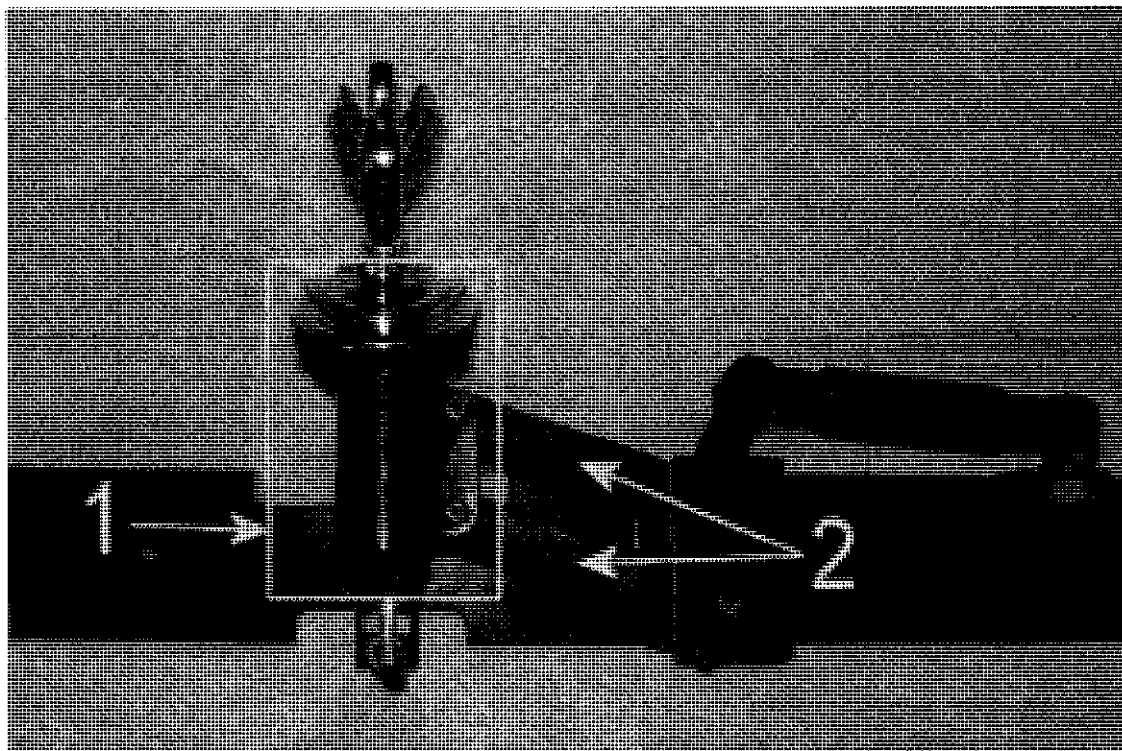


Figure 4



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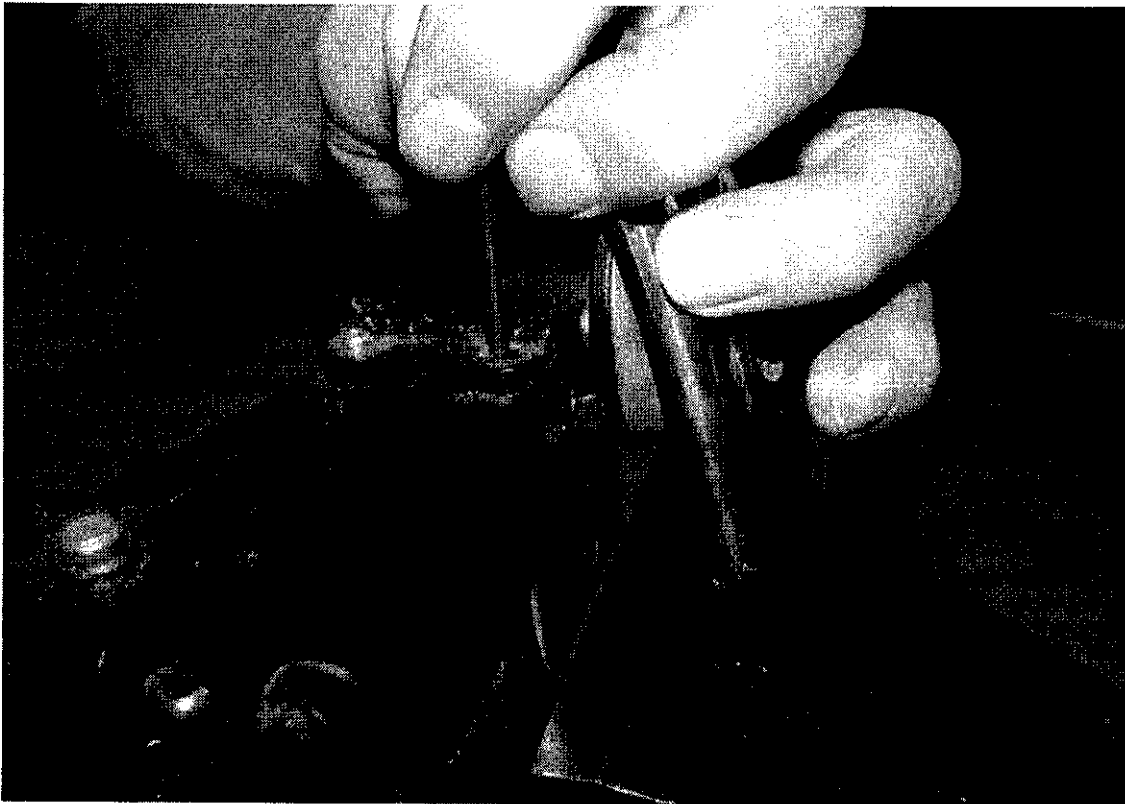


Figure 5

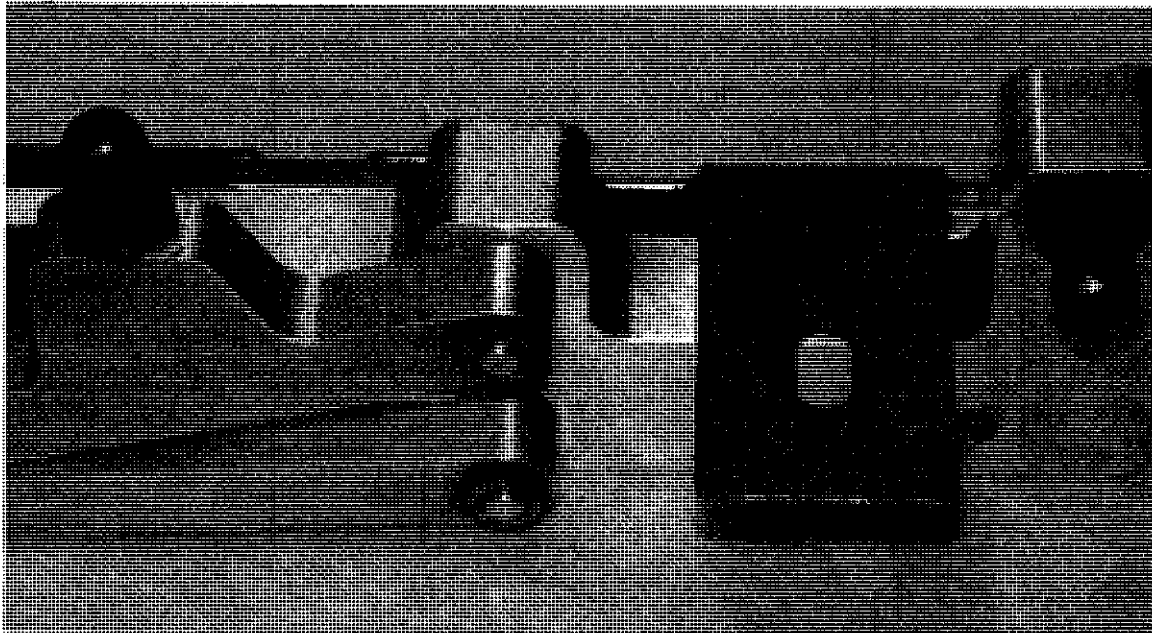


Figure 6



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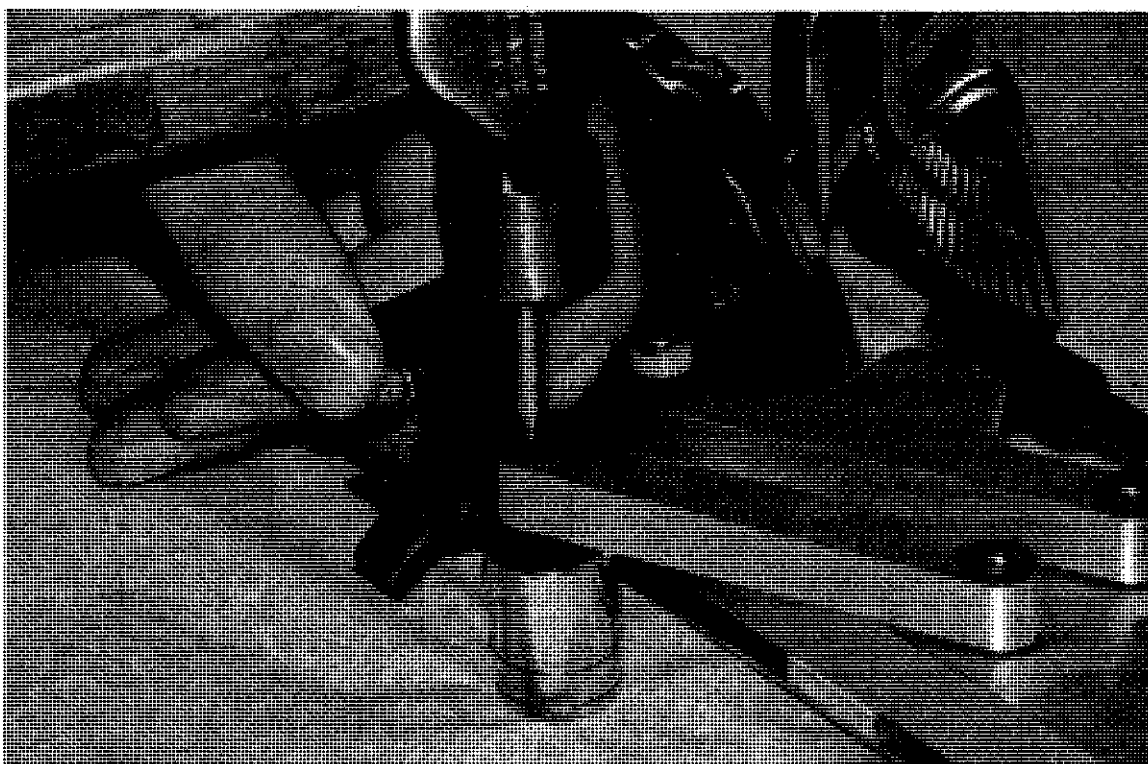


Figure 7



Figure 8



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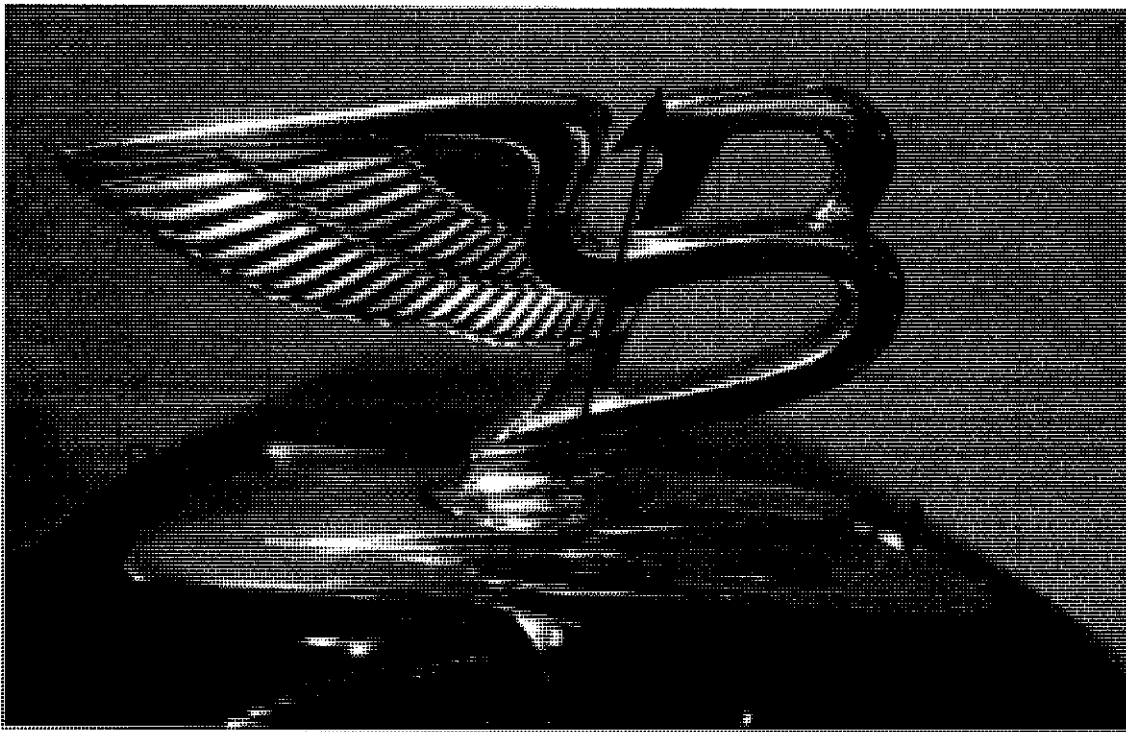


Figure 9

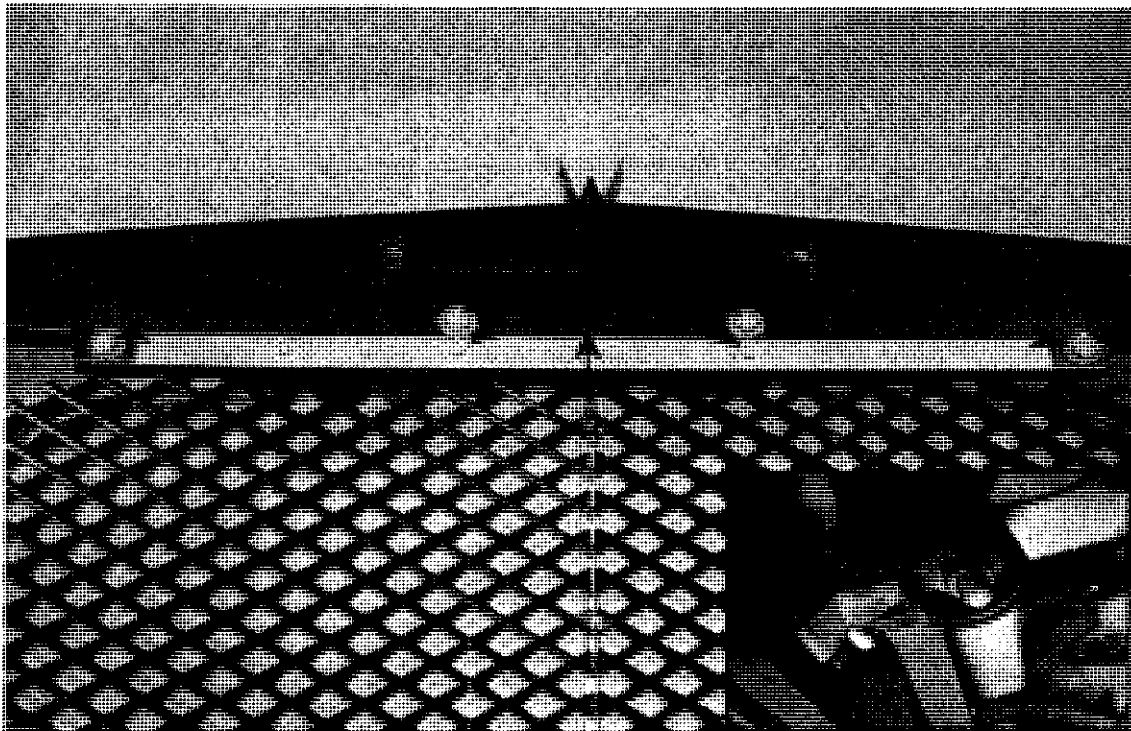


Figure 10

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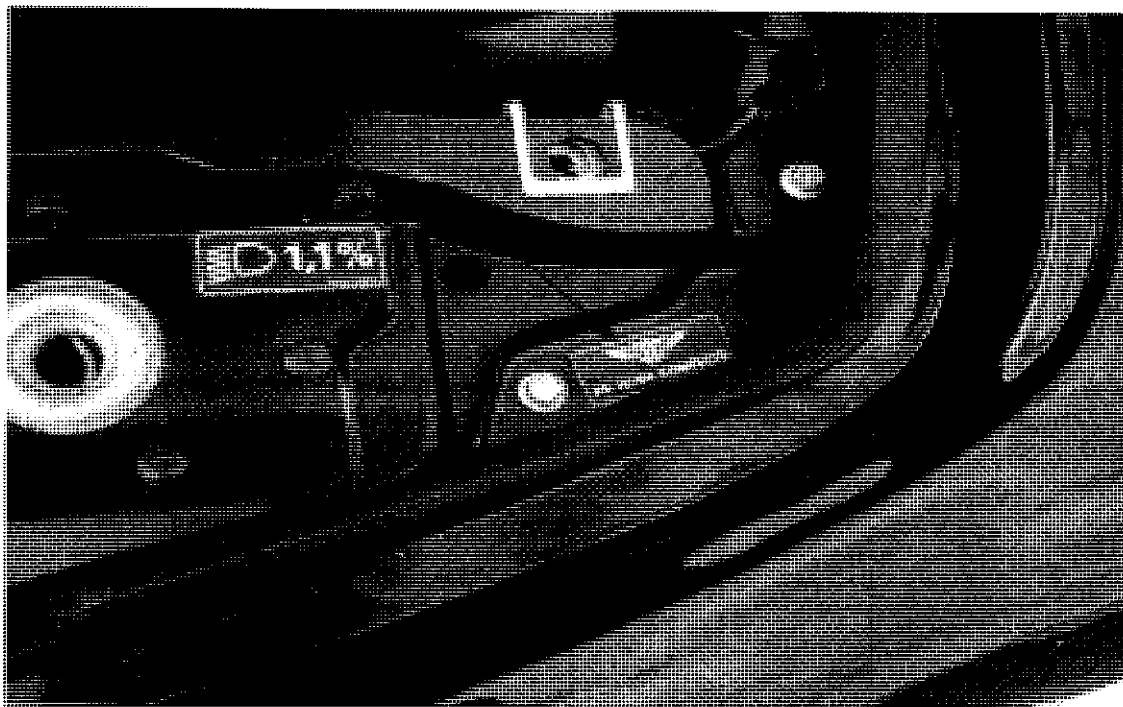
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Figure 11

**Warranty:**

Warranty type	710
Labour Operation Code	66 07 19 11
Damage Service Number	R742
Damage Code	00 99
Time	80 time units (48 minutes)
Criteria ID	01

**Parts Information:**

New Part Number	Description	Displaced Part Number	Quantity
3Z5853617	Retractable mascot mechanism	3Z0858673C	1
3Z0858027	Gas spring	N/A	1
WT10262	Completion label	N/A	1

**Policy Type:** All applicable vehicles