

Technical Bulletin

Model

All

Group

4

Subject:
Brake Vibration Damper Application

Part Identifier

4745

Number

9310

ATTENTION: Service Manager / Service Technician

This bulletin replaces Technical Bulletin Group 4, Number 9204, Book I, pages 95-98.

Models Affected:

968 from Model Year '92 (N)
944 S2, 944 Turbo from Model Year '87 (H)
911 Carrera 2 and 911 Carrera 4
from Model Year '89 (K)
911 Turbo from Model Year '91 (M)
928 S4, 928 GT from Model Year '88 (J)
928 GTS

Concern:

Application of vibration dampers and damping plates.

Vehicle Information:

A new version damping plate with steel clip (formerly plastic clip) is installed on 911 Carrera 2/4 rear axle from production date: April 2, 1991.

VIN: 96_MS 41 1418 Coupe
96_MS 44 0719 Targa
96_MS 46 2026 Cabriolet

928 S4/GT rear axle from production date: April 12, 1991

VIN: 92_MS 81 0362

Use only new version damping plates when replacing damping plates on 911 C2/4 all Model Years and 928 S4/GT from Model Year '88 (J).

Refer to application chart for part numbers.

Carrera 2 Only

Rear brake calipers with shorter pistons were installed during production from VIN:

96_LS 45 1922 up to 96_LS 45 2002 Coupe
96_LS 46 0623 up to 96_LS 46 0662 Targa
96_LS 47 1544 up to 96_LS 47 1780 Cabriolet

When repairing cars for brake noise from rear brakes within the above VIN range, measure vibration damper length (see Figure 1). If old version 24mm long is installed, replace with new version 23mm long, Part Number 964 352 963 01. Part Number 964 352 963 00 (24mm long) is no longer available.

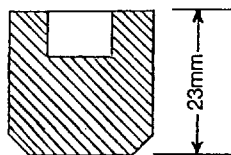


Figure 1



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General Information:

1. Customer complaints of objectionable brake noise on certain vehicles require that the technician first inspect the vehicle for the existence of vibration dampers and damping plates.
2. When reinstalling/replacing brake pads, damping plates with adhesive surface must be replaced.

Do not reuse damping plates with adhesive surface.

3. When removing brake pads, use a small spatula to separate damping plates from brake pads. Do not damage caliper piston dust caps.

Very Important:

Clean seating and guide surface of brake caliper with mineral spirits before installing vibration dampers and pads. Lubricants or grease must not be used in conjunction with vibration dampers. A light coat of sliding lubricant (Optimoly HT, Part Number 000 043 004 00) may be applied on the guide surface of the pad carrier plate (Figure 2).

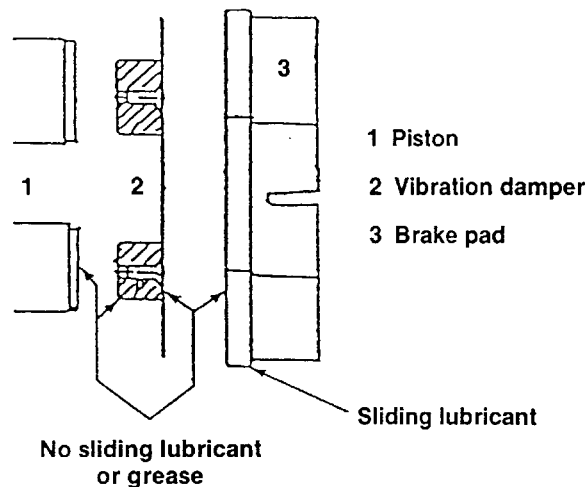


Figure 2



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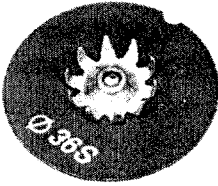



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Vibration damper and damping plate application chart

| Front Axle | 928 S4/GT | 928 GTS | 911 C2/C4 | 911 Turbo | 944 S2 | 944 Turbo | 968 | |
|--|--------------------|-----------------------|--------------------|--------------------|-----------------------------|--------------------|--------------------|------------------|
|  <p>Damping Plate</p> <p>Ø 36 928 351 096 19 Ø 36 964 351 096 01 Ø 40 951 351 096 00 Ø 40 964 351 096 02 Ø 44 928 351 096 17 Ø 44 965 351 096 00 Ø 44 965 351 096 00</p>  <p>Vibration Damper</p> <p>951 351 089 00 951 351 089 03</p> | 88-89 ¹ | | | | | | | |
| | 89→ ³ | 93→ | 89→ ⁴ | 91→ | ←2/89 ² 2/89→ | 87-88 ¹ | 92→ | |
| | | | | | ←2/89 ² 2/89→ | 87-88 ¹ | | |
| | | | | | | | | |
| | 88-89 ¹ | | | | | | | |
| | 89→ ³ | | | | | | | |
| | | 93→ | | | 91→ | | | |
| | | | | | | | | |
| | | 88-89 ^{1,10} | | | | | 88-89 ¹ | |
| | | 89→ ^{3,10} | | | | 90→ ⁵ | 89→ ⁶ | 92→ ⁵ |
| <p>Rear Axle</p>  <p>Damping Plate</p> <p>Ø 28 928 352 096 11 Ø 28 964 352 096 01 Ø 30 928 352 096 10 Ø 30 964 352 096 02 Ø 34 965 352 096 01</p>  <p>Vibration Damper</p> <p>964 352 963 01</p> | | | | | | | | |
| | 88-89 ¹ | | | | | | | |
| | 89→ ³ | 93→ | 89→ ⁴ | | 89→ | 87-89 ¹ | 92→ | |
| | 88-89 ¹ | | | | | 89→ ⁷ | | |
| | | | | | | 87-89 ¹ | | |
| | 89→ ³ | 93→ | 89→ ^{8,9} | 91→ | 89→ | 89→ ⁷ | 92→ | |
| | | | | | | | | |
| | | | | 91→ | | | | |
| | | | | | | | | |
| | | | | 90-92 ⁹ | | | | |

NOTE Ø = brake caliper piston diameter

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¹Brake caliper with scraper rings

²Brake caliper with scraper rings up to VIN: 94_KN451880

³Brake caliper with dust caps from VIN: 92_KS860282

⁴911 Carrera 2 from M.Y. 1990

⁵944 S2, 968 with sport suspension (M030)

⁶944 Turbo and 944 Turbo S: brake caliper with dust caps

⁷Brake caliper with dust caps from VIN: 95_KN150216

⁸911 Carrera 2 and 4 with four piston brake caliper

⁹911 Carrera 2 with two piston brake caliper

¹⁰Install only on cars with brake noise

Install adhesive tape PNA 999 005 between vibration dampers and brake pads. Clean vibration damper backing plate. Apply adhesive tape to backing plate and cut to size. Peel off protective paper after installing vibration damper in caliper.

For additional information, refer to Technical Bulletins, Book E, Group 4, Number 8810 and Book F, Group 4, Number 8907.

Warranty Information (if applicable)

| Damage Code | (with Parts) | Damage Code | (w/o Parts) |
|--------------|--------------|--------------|-------------|
| 4636 20 0002 | Front Pads | 4636 20 0001 | Front Pads |
| 4638 20 0002 | Rear Pads | 4638 20 0001 | Rear Pads |

| Labor Operations | TU | |
|----------------------|----|-----------------------------|
| R&R Front Brake Pads | | 944/S/S2/Turbo, 968, |
| 4636 2003 | 80 | 911 C2/C4/T |
| 4636 2000 | 70 | 928/S4/GT/GTS |
| R&R Rear Brake Pads | | |
| 4638 2000 | 70 | 928/S4/GT/GTS |
| 4638 2003 | 80 | 968,944/S/S2/T, 911 C2/C4/T |

