

Motor News

November 20, 2014

Motor Business Division

Change Notice of Gear Grease associated with Canadian Environmental Protection Act

This notice is to bring to your attention the change in gear grease for gear heads of Shin-G Series compact geared motors and gear heads of brushless motors, associated with Canadian Environmental Protection Act.

We appreciate your understanding regarding this matter.

■ Target Models

Gear Heads for Shin-G Series and Brushless Motors

| Flange Size | Model name (the speed reducing ratio is shown in the square) | Speed reduction ratio |
|-------------|--|-----------------------|
| 60 mm | MX6G□B, MX6G□BA, MX6G□H, MX6G10XB, MX6G□BU | 3~180 |
| 70 mm | MX7G□B, MX7G□BA, MX7G□H, MX7G10XB, MX7G□BT, MX7G□BU | 3~180 |
| 80 mm | MX8G□B, MX8G□H, MX8G10XB, MX8G□BT, MX8G□BU | 3~180 |
| 90 mm | MX9G□B, MX9G□H, MX9G□R, MX9G10XB, MX9G□BT, MX9G□BU | 3~180 |
| | MZ9G□B, MY9G□B, MZ9G□H, MY9G□H, MZ9G□R | 3~200 |
| | MZ9G10XB, MZ9G□BT, MY9G□BT, MZ9G□BU | 3~200 |
| | MR9G□B, MP9G□B | 50~200 |

Model ending with "T" are "tap processed shafts" and models ending with "BU" are "inch sized" output shaft products.

Gear Heads for Brushless Motors

| Flange Size | Model name (the speed reducing ratio is shown in the square) | Speed reduction ratio |
|-------------|--|-----------------------|
| 80 mm | MB8G□BV | 5~50 |
| 90 mm | MB9G□BV | 5~50 |

Note: Does not apply to M4GA□F (flange size 40 mm) gear head for the Shin-G Series or metal bearing types (models ending with "M" or "MA").

* There is no change to the gear grease.
 This change doesn't apply to the motor.

■ Reason of the change

The additive BNST (Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene), used as an antioxidant for lubricants (including grease), is included in the list of newly banned substances under the Canadian Environmental Protection Act, and from March 2015 the manufacture, use, sale, distribution or import of BNST and any other products containing BNST in Canada is prohibited. Accordingly, gear grease containing BNST will be changed to gear grease that does not contain it.

■ Details of the change

The gear grease additive (antioxidant) will be changed from one containing BNST to one not containing BNST. There will be no change to the enclosed capacity, color, or consistency (softness) of the gear grease. The performance, noise and life of the grease should be equivalent to the previous product, with no issues in terms of quality.

■ Schedule: The change will apply to products manufactured from January 2015 onwards.



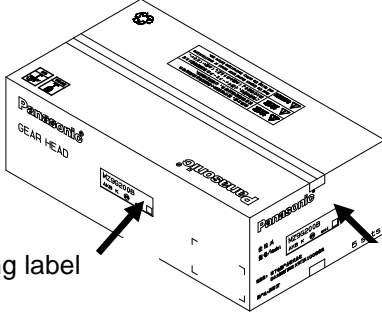
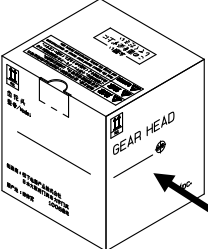
*** Note: Request to customers using our gear heads for Canada**

As the affected models are standard inventory items, some products containing BNST may remain in the stock even after March 2015.

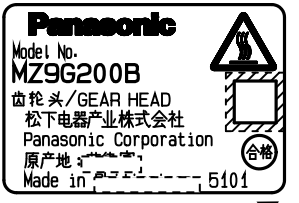
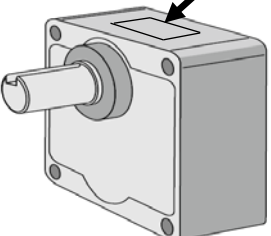
If you are considering importing to, manufacturing or selling in Canada equipment or gear heads incorporating the affected products, please consult with our sales department.

■ How to check the labels of the changed products

[Packaging] (Example) using MZ9G200B

| | Current product | Changed product |
|---|---|---|
| Lot code | Lot code ends in "K" B C L K | Lot code ends in "C" B D A C |
| Lot code on the packaging label Stated area (Unitized packaging) |  <p>MZ9G200B BCL K (合格)</p> <p>Lot code</p> |  <p>MZ9G200B BDA C (合格)</p> <p>Lot code</p> |
| Unitized packaging Packaging label Attachment point |  <p>Packaging label</p> <p>Packaging label</p> | |
| Individual packaging Lot code Stated area |  <p>Lot code</p> | |

[Product faceplate] (Example) using MZ9G200B

| | Current product | Changed product |
|---|---|--|
| Lot number | Manufacturing day/month/year shown in lot number is December 2014 or prior to that | Manufacturing day/month/year shown in lot number is January 2015 or subsequent |
| How to look at the lot number and lot number label position | <p>How to look at the lot number</p> <p>Example 5 1 01</p> <p> Manufacturing day Manufacturing month 1: January, 2: February...9: September, X: October, Y: November, Z: December Manufacturing year (last digit of year from western calendar) 5: 2015 </p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Lot number</p> </div> <div style="text-align: center;">  <p>Product faceplate</p> </div> </div> | |

- Requests regarding end production items
 Regarding Gear Heads for G Series Compact Geared Motor and Gear Heads for Brushless Motors Prior to the Shin-G Series

BNST is an additive in the gear grease of the gear heads in the list below, which means they will be affected by the Canadian Environmental Protection Act.

If you have any of the products below, please be aware of the fact that you cannot export them to Canada from March 2015.

Gear Heads for G Series, Gear Heads for Brushless Motor

| Flange Size | Model name (the speed reducing ratio is shown in the square) | Speed reducing ratio |
|-------------|--|----------------------|
| 60 mm | M6GA□B,M6GA□M,M6GB□B-CB,M6GA10XM | 3~180 |
| 70 mm | M7GA□B,M7GA□M,M7GB□B-CB,M7GA10XM,M7GA□BT | 3~180 |
| 80 mm | M8GA□B,M8GA□M,M8GB□B-CB,M8GA10XM,M8GA□BT | 3~180 |
| | MB8G□B | 5~100 |
| 90 mm | M9GA□B,M9GA□M,M9GB□B-CB,M9GA10XM,M9GA□BT M9GA□MT,M9GA□R | 3~180 |
| | M9GC□B,M9GD□B,M9GE□B-CB,M9GF□B-CB,M9GC□R | 3~200 |
| | M9GC10XB,M9GC□BT,M9GD□BT | 3~200 |
| | M9GS□B,M9GT□B | 50~200 |
| | MB9G□B | 5~100 |

Output shaft tap processed product for models ending in "T"