

September 28, 2017

Motor Business Unit,  
Electromechanical Control Business Division,  
Automotive & Industrial Systems Company,  
Panasonic Corporation

**Product Change Notification:**  
**Manufacturing location and specification change of capacitors**  
**used for Shin-G Series AC geared motors.**

Thank you for your daily support and efforts to our business.

With regard to the above title, we have notified the change of production location of the capacitors used for compact geared motors in the Motor News edition dated May 26, 2015 under the title "Shin-G Series Compact Geared Motors Condenser label change accompanied by production location change."

However, this time we would like to notify you about the change of indication contents and also change of external dimensions for some products.

We would greatly appreciate your understanding and cooperation with this matter.

■Affected Model and Change Contents

Affected models		Model Type	Applied Capacitor	Change Contents
M91Z60GV4L	M91Z60SV4LS	60 W variable speed induction	20 $\mu$ F (200 V)	Table 1 (Page 2/4)
M91Z60HV4L		60 W C&B		
MUSN960GL	(DVUS960L)	60 W unit (Controller repair parts)		
M0PC20M20	(capacitor part No.)	Optional item (sold separately)		
M9RZ90G4L	M9RZ90S4LS	90 W reversible	30 $\mu$ F (200 V)	Table 2 (Page 3/4)
M9RZ90GB4L	M9RZ90SB4LS	90 W with an electro-magnetic brake		
M9RZ90GK4L	M9RZ90SK4LS	90 W with a terminal box		
M9RZ90GV4L	M9RZ90SV4LS	90 W variable speed reversible		
M0PC30M20	(capacitor part No.)	Optional item (sold separately)	40 $\mu$ F (180 V)	Table 3 (Page 4/4)
M91ZA5S2LS		150 W (2 pole)		
M0PC40M18	(capacitor part No.)	Optional item (sold separately)		

\*This change is not applicable to capacitors for motors conforming to overseas standards (last digit of model part No. "G" and "GC")

■Reason for Change

Change of specification caused by the change of manufacturing location  
(Before: Japan → AFTER: China)

### Change Schedule


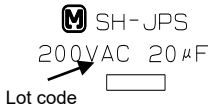

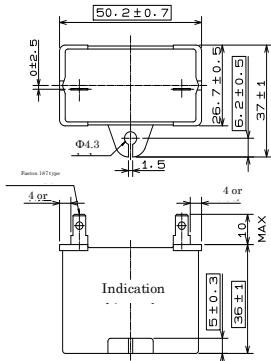
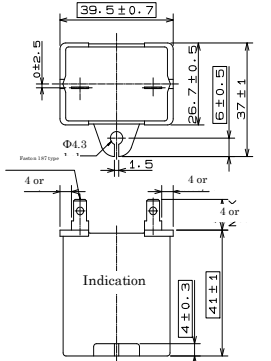
Starting from April 2018 production.

### There are no changes to the characteristics and standards, etc.

Environmentally impacting substances will also be avoided after the change.




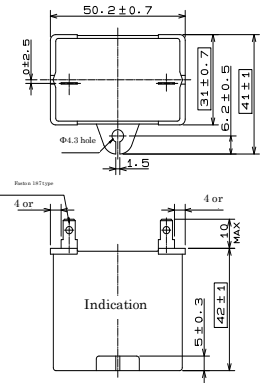
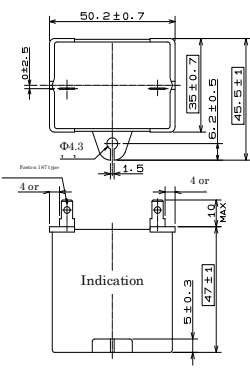
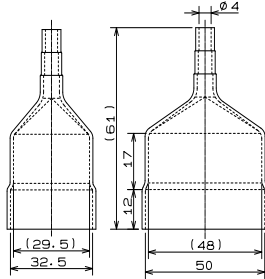
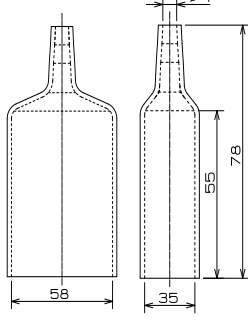
[Table 1] Change of the indication/dimensions of the capacitor attached to the motor, and change of capacitor part No. and applicable capacitor cap of optional items (separately sold)

\*The capacitor picture shows a representative item.


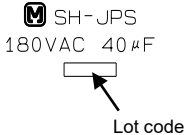
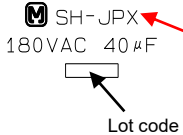
Item	Old	New	Contents
<b>Indication Content</b> 			Indication after SH- will be changed. JPS → DPX
<b>Dimensions</b>			□-Marked dimension will be changed.  There are no changes to the faston terminal and dimensions.
<b>Optional item (sold separately)</b> Capacitor part No.	M0PC20M20	M0PC20M20A	<u>"A" is added to the end of the part No.</u> <u>The old part No. will no longer be used.</u>
<b>Optional item (sold separately)</b> Applicable capacitor cap part No.	M0PC5026	M0PC3926	The applicable part No. will be changed with the change of capacitor dimensions.

[Table 2] Change of the indication/dimensions of the capacitor attached to the motor, and change of capacitor part No. and applicable capacitor cap of optional item (separately sold)

\*The capacitor photo shows a representative item.

Item	Old	New	Contents
Indication Content 	 SPU20X306AQA 200VAC 30#F 70°C 10000AFC PROTECTED 50/60Hz JAPAN Lot code	 SPU20X306AQSA 200VAC 30#F 70°C 10000AFC PROTECTED 50/60Hz CHINA Lot code	UL approved capacitor The UL PART No. will be changed. Old: JSU20X306AQA New: SPU20X306AQSA JAPAN → CHINA
Dimensions (The direction of the capacitor is different from the one shown in the photo above.)			□-Marked dimension will be changed.  There are no changes to the Faston terminal and dimensions.
Optional item (sold separately) Capacitor part No.	M0PC30M20	M0PC30M20A	<u>"A" is added to the end of the part No.</u> <u>The existing part No. will no longer be used.</u>
Optional item (sold separately) Applicable capacitor cap part No.	M0PC5032 	M0PC5835G 	The applicable part No. will be changed with the change of capacitor dimensions.

[Table 3] Change of indication content of the capacitor

Item	Old	New	Change Contents
Indication Content 			Indication after SH- will be changed. JPS → JPX
Dimensions	—	There will be no change to the dimensions.	
Optional item (sold separately) Capacitor part No.	M0PC40M18	There will be no change to the part No.	