

March 9, 2012

Notice of Changes in the Specifications of the Encoder Cover and the Motor Length of MINAS A5 Series AC Servo Motors

We will standardize the encoders used in our AC servo motors.
Accordingly, the specifications of the encoders and encoder covers and the motor length of some models will be changed.

AC servo motor encoders

- Target models: MINAS A5 Series
Flange size: 100 mm sq., 120 mm sq., 130 mm sq., and 180 mm sq.
- Reason for the change: Standardization of encoders
- Details of the change:
 - (1) Encoder cover: The shape will be changed. See the outline drawings on pages 2 and 3 for details.
Target models: All models
 - (2) Motor length: The length of some models with brakes will be changed.
See the outline drawings and dimension lists on pages 2 and 3 for details of the target models and dimensions.

[Notice and Requests]

We will discontinue the backup capacitor for storing multi-turn data of absolute encoders.

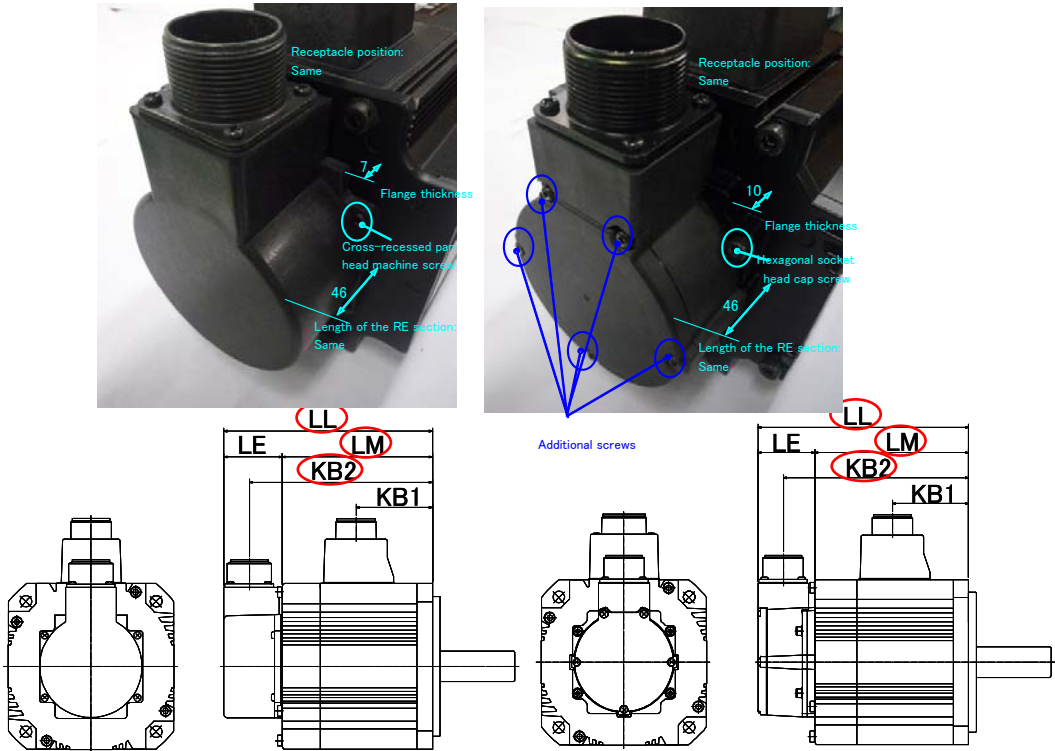
Target models: MDME***S◇◇
MSME***S◇◇
MHME***S◇◇
MGME***S◇◇

↑ Models with a motor part number with "S" as its 8th character

Please keep the encoder power on during replacement of the encoder battery.

* Please keep the main power of the amplifier off during replacement for safety purposes.

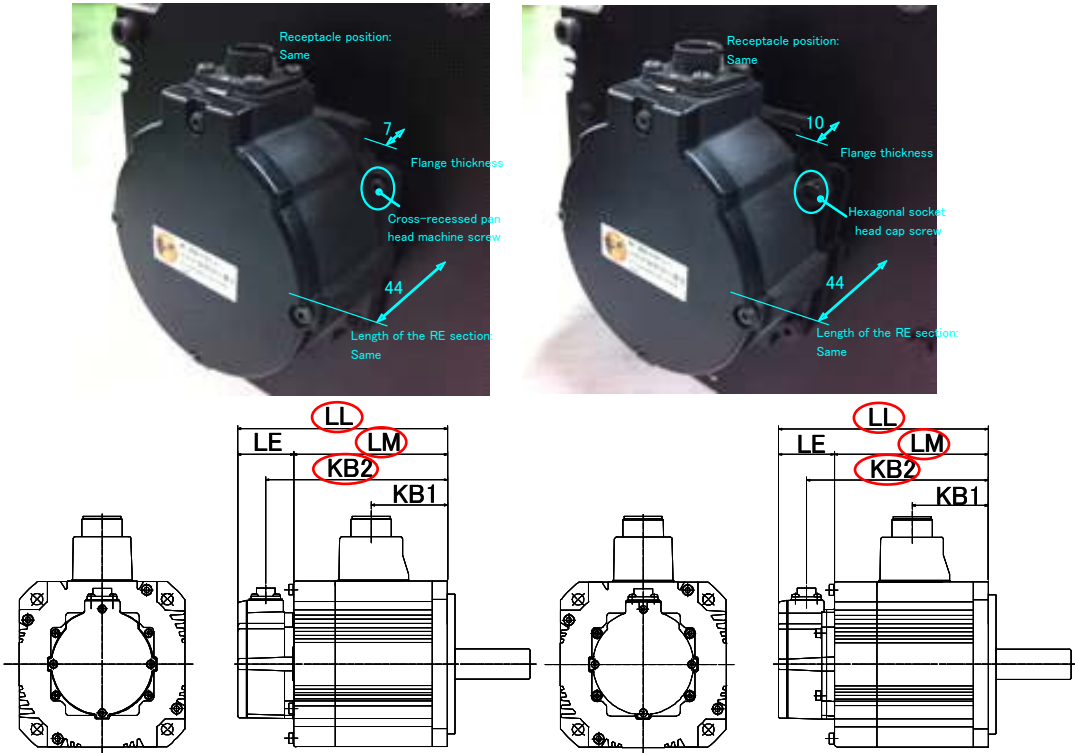
- Schedule: This change will apply to products manufactured in April 2012 onwards.
- There will be no changes in the performance, reliability, and part numbers.
- About repair service
This change does not apply to products returned to us for investigation or repair that were manufactured before this change.
After completion of investigation, we will return the products to customers without making this change.



		Before the change					After the change				
		LL	LM	LE	KB1	KB2	LL	LM	LE	KB1	KB2
IP65 type	MDME102◇◇◇◇	165	119	46	60	145	168	122	46	60	147
	MDME152◇◇◇◇	182.5	136.5	46	77.5	162.5	185.5	139.5	46	77.5	164.5
	MDME202◇◇◇◇	200	154	46	95	180	203	157	46	95	182
	MDME302◇◇◇◇	235	189	46	127	215	238	192	46	127	217
	MDME104◇◇◇◇	165	119	46	57	145	168	122	46	57	147
	MDME154◇◇◇◇	182.5	136.5	46	74.5	162.5	185.5	139.5	46	74.5	164.5
	MDME204◇◇◇◇	200	154	46	92	180	203	157	46	92	182
	MDME304◇◇◇◇	235	189	46	127	215	238	192	46	127	217
	MSME402◇◇◇◇	235	189	46	127	215	238	192	46	127	217
	MSME502◇◇◇◇	270	224	46	162	250	273	227	46	162	252
	MSME404◇◇◇◇	235	189	46	127	215	238	192	46	127	217
	MSME504◇◇◇◇	270	224	46	162	250	273	227	46	162	252
	MHME102◇◇◇◇	200	154	46	95	180	203	157	46	95	182
	MHME152◇◇◇◇	217.5	171.5	46	112.5	197.5	220.5	174.5	46	112.5	199.5
	MHME104◇◇◇◇	200	154	46	92	180	203	157	46	95	182
	MHME154◇◇◇◇	217.5	171.5	46	109.5	197.5	220.5	174.5	46	109.5	199.5
	MGME092◇◇◇◇	182.5	136.5	46	77.5	162.5	185.5	139.5	46	77.5	164.5
	MGME094◇◇◇◇	182.5	136.5	46	74.5	162.5	185.5	139.5	46	74.5	164.5
	MDME402◇◇◇◇	204	158	46	96	184	208	162	46	96	187
	MDME502◇◇◇◇	223	177	46	115	203	227	181	46	115	206
	MDME404◇◇◇◇	204	158	46	96	184	208	162	46	96	187
	MDME504◇◇◇◇	223	177	46	115	203	227	181	46	115	206
	MHME202◇◇◇◇	204	158	46	96	184	208	162	46	96	187
	MHME302◇◇◇◇	223	177	46	115	203	227	181	46	115	206
	MHME402◇◇◇◇	236.5	190.5	46	128.5	216.5	240.5	194.5	46	128.5	219.5
	MHME502◇◇◇◇	265.5	219.5	46	157.5	245.5	269.5	223.5	46	157.5	248.5
	MHME204◇◇◇◇	204	158	46	96	184	208	162	46	96	187
	MHME304◇◇◇◇	223	177	46	115	203	227	181	46	115	206
	MHME404◇◇◇◇	236.5	190.5	46	128.5	216.5	240.5	194.5	46	128.5	219.5
	MHME504◇◇◇◇	265.5	219.5	46	157.5	245.5	269.5	223.5	46	157.5	248.5
	MGME202◇◇◇◇	190.5	144.5	46	82.5	170.5	194.5	148.5	46	82.5	173.5
	MGME302◇◇◇◇	236.5	190.5	46	128.5	216.5	240.5	194.5	46	128.5	219.5
	MGME204◇◇◇◇	190.5	144.5	46	82.5	170.5	194.5	148.5	46	82.5	173.5
	MGME304◇◇◇◇	236.5	190.5	46	128.5	216.5	240.5	194.5	46	128.5	219.5

"◇◇◇◇" is a substitute for GCD, GCH, SCD, or SCH.

Unit: mm



		Before the change					After the change				
		LL	LM	LE	KB1	KB2	LL	LM	LE	KB1	KB2
IP67 type	MDME102◇◇◇	163	119	44	60	141	166	122	44	60	143
	MDME152◇◇◇	180.5	136.5	44	77.5	158.5	183.5	139.5	44	77.5	160.5
	MDME202◇◇◇	198	154	44	95	176	201	157	44	95	178
	MDME302◇◇◇	233	189	44	127	211	236	192	44	127	213
	MDME104◇◇◇	163	119	44	57	141	166	122	44	57	143
	MDME154◇◇◇	180.5	136.5	44	74.5	158.5	183.5	139.5	44	74.5	160.5
	MDME204◇◇◇	198	154	44	92	176	201	157	44	92	178
	MDME304◇◇◇	233	189	44	127	211	236	192	44	127	213
	MSME402◇◇◇	233	189	44	127	211	236	192	44	127	213
	MSME502◇◇◇	268	224	44	162	246	271	227	44	162	248
	MSME404◇◇◇	233	189	44	127	211	236	192	44	127	213
	MSME504◇◇◇	268	224	44	162	246	271	227	44	162	248
	MHME102◇◇◇	198	154	44	95	176	201	157	44	95	178
	MHME152◇◇◇	215.5	171.5	44	112.5	193.5	218.5	174.5	44	112.5	195.5
	MHME104◇◇◇	198	154	44	92	176	201	157	44	95	178
	MHME154◇◇◇	215.5	171.5	44	109.5	193.5	218.5	174.5	44	109.5	195.5
	MGME092◇◇◇	180.5	136.5	44	77.5	158.5	183.5	139.5	44	77.5	160.5
	MGME094◇◇◇	180.5	136.5	44	74.5	158.5	183.5	139.5	44	74.5	160.5
	MDME402◇◇◇	202	158	44	96	180	206	162	44	96	183
	MDME502◇◇◇	221	177	44	115	199	225	181	44	115	202
	MDME404◇◇◇	202	158	44	96	180	206	162	44	96	183
	MDME504◇◇◇	221	177	44	115	199	225	181	44	115	202
	MHME202◇◇◇	202	158	44	96	180	206	162	44	96	183
	MHME302◇◇◇	221	177	44	115	199	225	181	44	115	202
	MHME402◇◇◇	234.5	190.5	44	128.5	212.5	238.5	194.5	44	128.5	215.5
	MHME502◇◇◇	263.5	219.5	44	157.5	241.5	267.5	223.5	44	157.5	244.5
	MHME204◇◇◇	202	158	44	96	180	206	162	44	96	183
	MHME304◇◇◇	221	177	44	115	199	225	181	44	115	202
	MHME404◇◇◇	234.5	190.5	44	128.5	212.5	238.5	194.5	44	128.5	215.5
	MHME504◇◇◇	263.5	219.5	44	157.5	241.5	267.5	223.5	44	157.5	244.5
	MGME202◇◇◇	188.5	144.5	44	82.5	166.5	192.5	148.5	44	82.5	169.5
	MGME302◇◇◇	234.5	190.5	44	128.5	212.5	238.5	194.5	44	128.5	215.5
	MGME204◇◇◇	188.5	144.5	44	82.5	166.5	192.5	148.5	44	82.5	169.5
	MGME304◇◇◇	234.5	190.5	44	128.5	212.5	238.5	194.5	44	128.5	215.5

"◇◇◇" is a substitute for G1D, G1H, S1D, or S1H.

Unit: mm