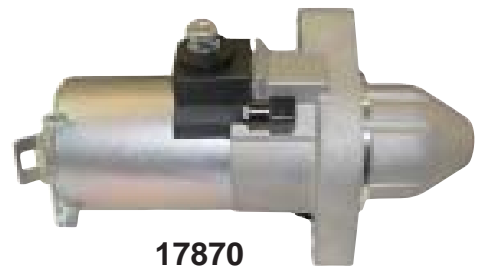


# *Component Parts for Mitsuba NEW PMGR Starter*



**Metro Auto Industrial Inc.**  
**Toll Free: 1-800-263-8761**

# Mitsuba PMGR Parts

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## Mitsuba 17870 Starter Tech

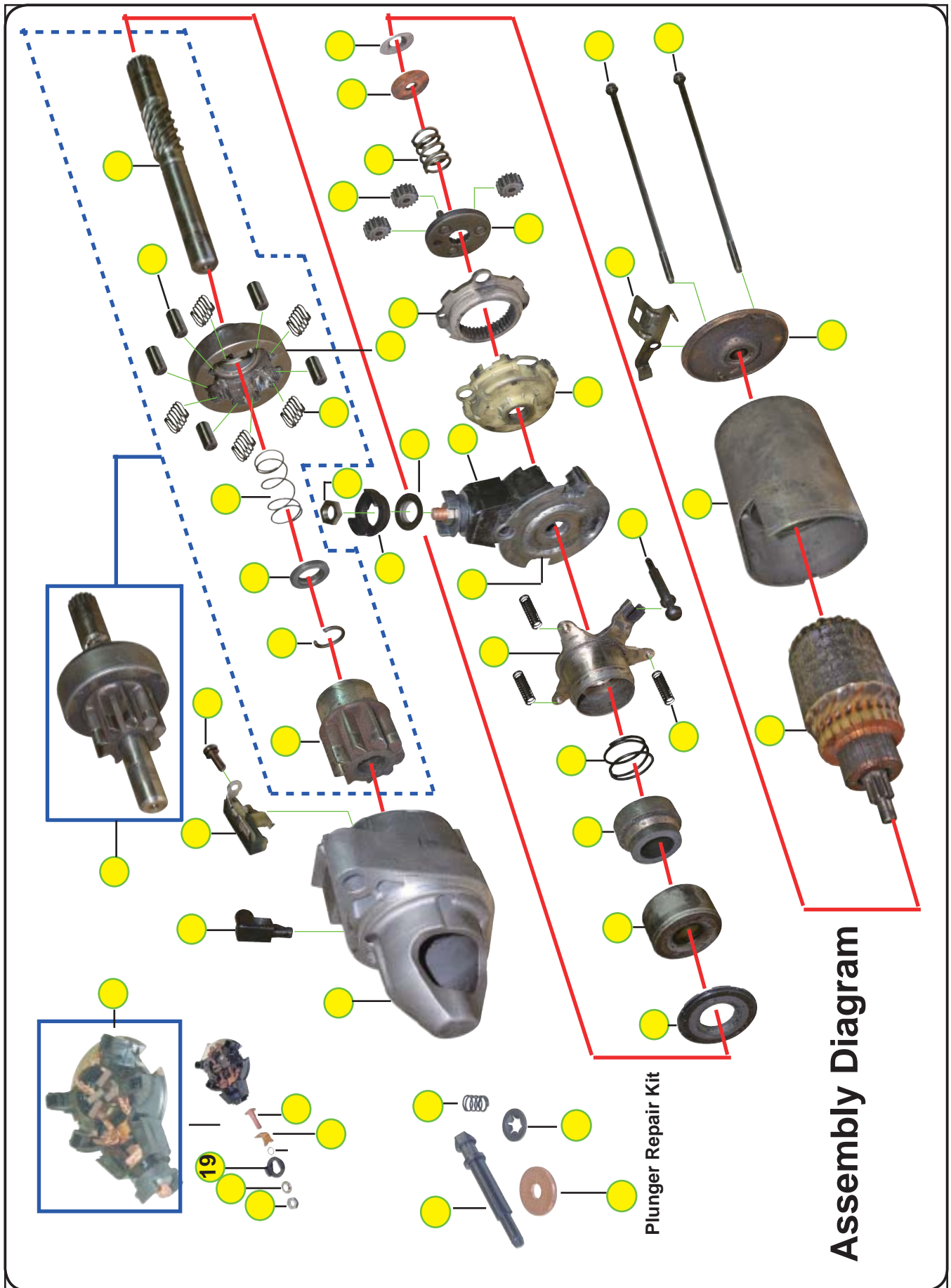
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# Mitsuba PMGR Parts

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# Mitsuba PMGR Parts



Manufacturers and Supplier names and their part numbers are for reference use only.

# Mitsuba PMGR Parts



**51-85001  
DE Housing**

**Lester:** 17816, 17844, 17870, 17960

**OE:**

**Dim.:**

**Note:**

**Ref:** 5691-124, SH-03118

**No Photo  
Availble**

**51-85002  
DE Housing**

**Lester:** 10914

**OE:**

**Dim.:**

**Note:**

**Ref:** SH-03178



**52-85001  
CE Plate**

**Replace:** Mitsuba SM612 Series

**OE:**

**Lester:** 17814, 17816, 17844, 17870,  
17871, 17901

**Dim.:** 5mm Thru Bolt Hole

**Note:**

**Ref:** 52-85400, SH-04114, 57912-110



**52-85002  
CE Plate**

**Replace:**

**OE:**

**Lester:** 10915, 17953, 17958, 17960,  
17961, 19009, 19082, 19190, 19192,  
19207, 19252, 19270, 19280, 19988

**Dim.:** 72mm OD,  
Thru Bolt hole 5mm ID  
Bushing 12mm ID, 16mm OD  
10.4mm H

**Note:**

**Ref:** SH-04138



**52-85004  
CE Plate**

**Replace:**

**OE:**

**Lester:** 10876, 10925, 10926, 19159,  
19221, 19264

**Dim.:** 72mm OD, 5mm Thru Bolt Hole

**Note:** SH-04169

# Mitsuba PMGR Parts



**32-85001**  
**Diodes**

**Lester:** 17816, 17844, 17870,  
17960, 19009

**For:** Mitsuba SM612, 710 Series

**Dim.:** 32.8mm L

**Note:** Fits inside the DE Housing

**Ref:** 32-8500, W485-186, SH-08118D



**32-85002**  
**Diodes**

**Lester:** 17958, 17661

**For:** Mitsuba SM422, SM612 Series

**Dim.:** 32.7mm L

**Note:** Fits inside the DE Housing

**Ref:** 32-8501, SH-08147D

# Mitsuba PMGR Parts



**54-85501**  
**Drive**  
**9T, CW, 6-Spline**

**Lester:** 17870, 17960  
**Dim.:** 29mm Gear OD, 110.7mm L  
44.35 Clutch OD  
**For:** SM612-09, SM710-01, SM710-02  
**Note:**  
**Ref:** 54-8507, SH-07118



**54-855203**  
**Spring-Drive**

**Lester:** 17870  
**Dim.:**  
**For:**  
**Note:**  
**Ref:**



**54-855205**  
**Spring-Clutch**

**Lester:** 17870  
**Dim.:**  
**For:**  
**Note:** Inside the Clutch, used  
with 54-855204 Roller.  
**Ref:**



**54-85502**  
**Drive**  
**9T, CW, 17-Spline**

**Lester:** 17844, 17958, 19009  
**Dim.:** 29mm Gear OD, 106.7mm L  
44.35 Clutch OD  
**For:** SM612-06, SM710-07  
**Note:**  
**Ref:** 54-8508, SH-07118



**54-855204**  
**Roller-Clutch**

**Lester:** 17870  
**Dim.:**  
**For:**  
**Note:** Inside the Clutch, used  
with 54-855205 Springs.  
**Ref:**



**54-855206**  
**Clutch Barrel**

**Lester:** 17870  
**Dim.:**  
**For:**  
**Note:** to hold the 54-855204  
**Ref:** 54-855205 Spring.



**54-855201**  
**Pinion Gear**  
**9T, 6-SPL, CW**

**Lester:** 17816, 17844, 17870,  
17958, 17960  
**Dim.:** 29mm OD x 11mm ID x  
34mm L  
**For:**  
**Note:** Used on 54-85501 Drive  
**Ref:** SH-07118A



**54-85504**  
**Drive Assy**  
**9T, CW, 15-Spline**

**Lester:** 10914  
**Dim.:** 103.4mm L, 29.2mm Gear OD  
**For:**  
**Note:**  
**Ref:**



**54-855207**  
**Retainer Ring-Drive**

**Lester:** 17870  
**Dim.:**  
**For:**  
**Note:** to hold the 54-855201 &  
54-855202 Pinion Gear  
**Ref.:**

# Mitsuba PMGR Parts



**54-855208**  
**Stop Collar-Drive**

**Lester:** 17870  
**Dim.:**  
**For:**  
**Note:**  
**Ref:**



**54-855100**  
**Shaft-Drive**

**Lester:** 17870  
**Dim.:**  
**For:**  
**Note:** used with 54-855201  
Pinion Gear & 54-855206 Clutch.  
**Ref:**

**No Photo Available**

**54-85503**  
**Drive Assy**  
**9T, CCW**

**Lester:** 17814, 17871, 17901, 17959,  
**Dim.:** 29.6mm OD x 103.5mm L  
**For:**  
**Note:** used with 54-855201  
Pinion Gear & 54-855206 Clutch.  
**Ref:** SH-07114

**No Photo Available**

**54-85505**  
**Drive Assy**  
**9T, CW, -Spline**

**OE:** SM740-04  
**Lester:** 19159, 19264  
**Dim.:** 29.6mm OD x 101.3mm L  
**For:**  
**Note:**  
**Ref:** SH-07169



**54-85506**  
**Drive Assy**  
**11T, Straight Gear**  
**15 Spline**

**OE:** SM740-11  
**Lester:** 19252  
**Dim.:** 34mm Gear OD, 107.4mm OAL  
**For:** Mitsuba PMOSGR Starter  
**Note:**  
**Ref:**



**54-855209**  
**Pinion Gear & Shaft Set**  
**19T, CCW**

**OE:** SM740-11  
**Lester:** 19252  
**Dim.:**  
Gear 54.65mm OD x 14.1mm ID  
28.1mm L  
Shaft 13.92mm OD x 70.15mm L  
4.2mm Rivet Hole, 5mm Depth Unthreaded  
**For:** Mitsuba PMOSGR Starter  
**Note:**  
**Ref:**



# Mitsuba PMGR Parts



**55-85000**  
**Shift Lever Assy**

**Lester:** 17816, 17870

**Dim.:**

**For:**

**Note:** Content includes:

55-85001 Shift Lever

55-85003 Spring-Shift Lever

55-85004 Sleeve

**Ref:**



**55-85001**  
**Shift Lever**

**Lester:** 17814, 17816, 17844, 17870, 17871, 17901, 17953, 17958, 17959, 17960, 17961, 19009, 19082, 19190, 19192, 19207, 19270, 19280

**Dim.:**

**For:**

**Note:** Ref to 55-8500.  
wo/Sleeve 55-85004.

**Ref:** SH-13136



**55-85007**  
**Shift Lever**

**Lester:** 10914

**Dim.:** 64.1mm L, 21.9mm Height

**For:**

**Note:**

**Ref:**



**55-85002**  
**Spring - Shift Lever**

**Lester:** 17870

**Dim.:** 5mm OD x 4.75mm ID x 17.1mm L, 6mm Wire Dia.

**For:**

**Note:** Used on 55-85001 Shift Lever ( 3 pieces in a unit).

**Ref:**



**55-85008**  
**Spring - Shift Lever**

**Lester:** 17960

**Dim.:** 4.1mm OD x 3mm ID x 14mm L, 6mm Wire Dia.

**For:**

**Note:** Used on 17960 Shift Lever ( 3 pieces in a unit).

**Ref:**



**55-85003**  
**Spring - Shift Lever**

**Lester:** 17816, 17870

**Dim.:**

**For:**

**Note:** Used w/55-85001

**Ref:**



**55-85004**  
**Sleeve - Shift Lever**

**Lester:** 17816, 17870

**Dim.:**

**For:**

**Note:** Used w/55-85001 Shift Lever.

For a complete Shift Lever Assy use 55-85000.

**Ref:**



**55-85005**  
**Pin Lock**

**Lester:** 17816, 17870

**Dim.:**

**For:**

**Note:** Used on 55-85001

**Ref:**



**55-85006**  
**Sleeve - Shift Lever**

**Lester:** 10914

**Dim.:** 13.6mm ID, 24.5mm/30mm OD  
17.5mm/19.7mm H

**For:**

**Note:**

**Ref:** SH-08178A

# Mitsuba PMGR Parts



**57-8501**

**Field Case-CW**

**Lester:** 10915, 17844, 17870, 17953,  
17960, 17961, 19009, 19192, 19252,  
19270, 19280, 19988

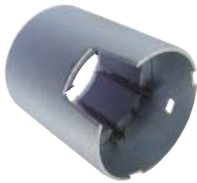
**Dim.:** 72.6mm OD

91.5mm OAL

**For:**

**Note:** w/6 pcs Magnet assembled.  
Early Type, No Index Tab on DE side.

**Ref:**SH-02118



**57-8502**

**Field Case Assy-CW**

**Lester:** 17816

**Dim.:** 72.85mm OD

80.60mm OAL

**For:**

**Note:** w/6 pcs Magnet assembled

**Ref:** SH-02119

# Mitsuba PMGR Parts



**61-85001**  
**Armature**  
**12V, 1.6kw, 9-Spline**

**Lester:** 17844, 17870, 17953, 17960, 19009, 19192  
**Dim.:** 26 Bars, 9 Teeth  
50mm OD, 115.8mm OAL  
**For:** SM612, 710 Series  
**Note:** This is big Armature.  
There is also a small Armature.  
**Ref:** 61-8503, SH-01118



**61-85004**  
**Armature-CW**  
**12V, 1.6kw, 16-Spline**

**Lester:** 10915, 19082, 19270, 19280, 19988  
**Dim.:** 50mm OD x 116mm L  
**For:** SM Series  
**Note:**  
**Ref:** SH-01161



**61-85006**  
**Armature-CW**  
**12V, 1.2kw, 9-Spline**

**OE;** SM740-04  
**Lester:** 19159, 19264  
**Dim.:** 50mm OD x 108.3mm L  
Shaft 7mm/12mm  
**For:**  
**Note:**  
**Ref:** SH-01169



**61-85002**  
**Armature-CW**  
**12V, 1.2kw, 9-Spline**

**Lester:** 17816, 17958, 19190, 19207  
**Dim.:** 26 Bars, 9 Teeth  
50.15mm OD, 105mm OAL  
**For:**  
**Note:** This is small Armature. For big Armature use 61-85001.  
**Ref:** 5091-3294



**61-85005**  
**Armature-CW**  
**12V, 1.6kw, 9-Spline**

**Lester:** 10914  
**Dim.:** 50mm OD x 112.4mm L  
**For:**  
**Note:**  
**Ref:** SH-01178



**62-85103**  
**Bushing-D.E.**

**Lester:** 17870  
**Dim.:** 11.05mm ID x 14mm OD  
12mm L  
**For:**  
**Note:**  
**Ref:** 62-85301, SC-1015



**62-85104**  
**Bushing-C.E.**

**Lester:** 10876, 10914, 10915, 10925, 10926, 17870, 17953, 17958, 17959, 17960, 19082, 19159, 19909  
**Dim.:** 12.02mm ID x 16.05mm OD x 8.0mm L  
**For:**  
**Note:**  
**Ref:** 62-85400, SH-11121

# Mitsuba PMGR Parts



**66-85101  
Contact**

**Lester:** 17814, 17816, 17844, 17870, 17871, 17901, 17953, 17958, 17959, 17960, 17961, 19009, 19082, 19190, 19207, 19252, 19270, 19280, 19988

**Dim.:** 8.7mm ID

**For:**

**Note:**

**Ref:** 66-85652, W485-180, SH-08114CS



**66-85104  
Solenoid**

**Lester:** 17814, 17816, 17844, 17870, 17871, 17901, 17960, 17961, 19009

**Dim.:** 52.9mm OD, 31.3mm ID  
29.2mm Height

**For:**

**Note:**

**Ref:** 66-85450, W455-109, SH-08118



**66-85107  
Contact Disc**

**Lester:** 10876, 10914, 10925, 10926, 19159, 19221, 19264

**Dim.:** 4.8mm ID, 14.95mm OD,  
2.1mm Thick

**For:**

**Note:**

**Ref:** SH-08169C



**66-85102  
Contact Disc**

**Lester:** 17816, 17844, 17870, 17871, 17953, 17958, 17959, 17960, 19009

**Dim.:** 17mm OD, 5mm ID,  
2mm Thickness

**For:**

**Note:**

**Ref:** 66-85651, SH-08114C, W485-195



**66-85105  
Cover-Solenoid**

**Lester:** 17816, 17844, 17870, 17960

**Dim.:** 52.5mm OD, 23mm ID,  
5mm Thickness

**For:**

**Note:** Used on 66-85104  
Solenoid

**Ref:**



**66-85108  
Solenoid**

**Lester:** 10876, 10914, 10925, 10926, 19159, 19221, 19264

**Dim.:** 56.85mm OD x 36.5mm ID x  
23.74mm H

**For:**

**Note:** 9.0 ohm

**Ref:** SH-08169



**66-85103  
Plunger**

**Lester:** 17816, 17870

**Dim.:** 6mm OD

**For:** SM610 Series

**Note:**

**Ref:**



**66-85106  
Contact**

**Lester:** 10876, 10914, 10925, 10926, 19159, 19221, 19264

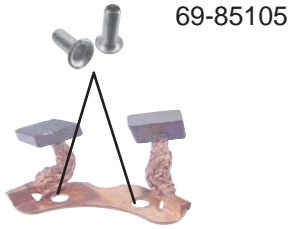
**Dim.:** 8.7mm ID, 1.5mm Thick,  
14mmW x 11.5mmL

**For:** SM740

**Note:**

**Ref:** SH-08169CS

# Mitsuba PMGR Parts



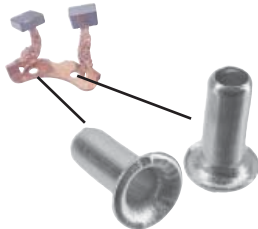
**68-85101**  
**Brush-Field (POS)**

**Lester:** 17870, 17871, 17959, 17960  
**Dim.:** 4.5mmTx12mmWx11.5mmLx27mmLL  
**For:**  
**Note:** Rivet use 69-85105  
**Ref:** 68-8505, SH-05114A



**68-85102**  
**Brush-Ground (NEG)**

**Lester:** 10876, 10914, 10915, 10925, 10926, 17728, 17814, 17816, 17844, 17870, 17871, 17958, 17959, 17960, 17901, 17953, 17961, 19009, 19159, 19190, 19192, 19207, 19221, 19252, 19264, 19270, 19280, 19988  
**Dim.:** 4.5mmTx12mmWx11.5mmLx29mmLL  
**For:**  
**Note:**  
**Ref:** 68-8506, SH-05114B



**69-85105**  
**Rivet-Brush-Field (POS)**

**Lester:** 17870  
**Dim.:**  
**For:**  
**Note:** Used on 68-85101 Brush-Field to hold with Brush Holder.  
**Ref:**

**Photo**  
**Coming Soon**

**69-85109**  
**Bridge-Brush Holder**

**Lester:** 10914  
**Dim.:**  
**For:**  
**Note:** Plastic material.  
 Used on 69-85108 Brush Holder.  
**Ref:**



**69-85100**  
**Brush Holder Assy**

**Lester:** 17816, 17844, 17870, 17871, 17958, 17959, 17960, 19009  
**Dim.:** 71.5mm OD, 8mm B+  
**For:** SM612  
**Note:**  
**Ref:** 69-85200, W505-11, BH-8363, SH-06114



**69-85100**  
**Brush Holder**  
**(Exploded View)**

**Lester:** 17870  
**Contents:**  
 66-85101 Contact  
 84-82164 Contact Bolt  
 71-82143 Oil-Ring  
 72-85101 Insulator  
 76-85004 Snap Ring-Contact  
 85-82101 Hex Nut  
**Ref:**



**69-85106**  
**Bridge-Brush Holder**

**Lester:** 17870  
**Dim.:**  
**For:**  
**Note:** Plastic material.  
 Used on 69-85100 Brush Holder.  
**Ref:** SH-06114P



**69-85108**  
**Brush Holder Assy**

**Lester:** 10876, 10914, 10925, 10926, 19159, 19221, 19264  
**Dim.:**  
**For:** SM740  
**Note:**  
**Ref:** SH-06169



**69-85100-KIT**  
**Brush Holder**  
**(Exploded View)**

**Lester:** 17870  
**Contents:**  
 66-85100-1 Brush Holder Assy  
 69-85101 Repair Parts  
 71-85101 Seal-Brush Holder  
**Ref:**

# Mitsuba PMGR Parts



## 69-85101 Repair Kit-Plunger

**Lester:** 17959, 17870, 17844,  
17816

**Dim.:**

**For:**

**Components:**

- 66-85102 Contact Disc
- 66-85103 Plunger
- 69-85104 Spring
- 84-89001 Retainer (Clip)

**Ref:** SH-08114CK



## 69-85104 Spring-Plunger

**Lester:** 17870

**Dim.:** 6.5mm ODx8.8mmL  
0.8mm Wire Dia

**For:**

**Note:** Used w/66-85103 Plunger

**Ref:**

**Photo  
Coming Soon**



## 69-85102 Spring-Brush Holder

**Replace:** 31213-PHM-004

**Lester:** 10876, 10914, 10915, 10925,  
10926, 17814, 17816, 17844, 17870,  
17871, 17901, 7953, 17958, 17959,  
17960, 17961, 19009, 19082, 19159,  
19160, 19192, 19207, 19221, 19252,  
19264, 19270, 19280, 19988

**Dim.:** 0.8mm Wire Dia.  
11.5mm x 4.7mm  
18mm L

**For:**

**Note:** Required 4 pcs in one unit.

**Ref:** SH-25114

## 69-85110 Rivet - Brush Field

**Lester:** 10914

**Dim.:**

**For:**

**Note:**

**Ref:**

**Photo  
Coming Soon**

## 69-85111 Brush Holder Kit

**Lester:** 10914

**Dim.:**

**Components:**

- 66-85107 Contact Disc
- 66- Plunger
- 69- Spring
- 84-89001 Retainer (Clip)

**Note:** used on 69-85108 Brush Holder

**Ref:**

# Mitsuba PMGR Parts



**71-82143**

**Oil Ring-Battery Stud**

**Lester:** 10914, 17870

**Dim.:** 8mmIDx11.85mmODx2mm  
Thickness

**For:**

**Note:**

**Ref:**



**71-85103**

**Plug-B+ Term Extension**

**Lester:** 10914

**Dim.:** for 19mm Hole, 7.1mm Thick-  
ness

**For:** Rubber Material, use w/Termi-  
nal Extension 76-85016.

**Ref:** SH-18147C



**72-85101**

**Insulator-Battery Stud**

**Lester:** 10914, 17870

**Dim.:** 16.8mm ID, 27mm OD,  
12.5mm Height

**For:**

**Note:**

**Ref:** 66-85401, SH-08114C



**71-85101**

**Seal-Brush Holder**

**Lester:** 17870

**Dim.:**

**For:**

**Ref:**

**Photo  
Coming Soon**

**71-85104**

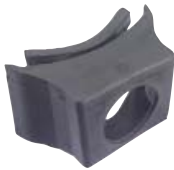
**Seal-Brush Holder**

**Lester:** 17953, 17958, 17959,  
17960, 17961, 19009, 19082,  
19190, 19192, 19207, 19252,  
19270, 19280, 19988

**Dim.:**

**For:**

**Ref:** SH-06136J



**71-85102**

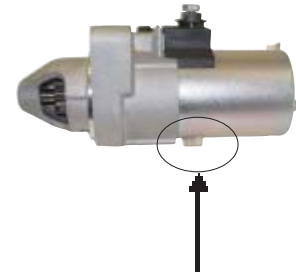
**Seal-Brush Holder**

**Lester:** 10876, 10914, 10925,  
10926, 19159, 19221, 19264

**Dim.:** 27.5mm T x 53mm W x 20mm  
ID Hole

**For:**

**Ref:** SH-06169J



**72-85102**

**Plug-Field Case**

**Lester:** 10914, 17870, 17958,  
17960

**Dim.:** 4mm x 8mm Rectangular Hole

**For:**

**Note:**

**Ref:** SH-29114

# Mitsuba PMGR Parts



**76-85001**  
**Switch Terminal**

**Lester:** 10876, 10914, 10915, 10925, 10926, 17953, 17958, 17959, 17960, 17961, 19009, 19082, 19190, 19192, 19221, 19252, 19280, 19988

**Dim:**

**For:**

**Note:**

**Ref:** 76-85501, W485-176, SH-09138T



**76-85002**  
**Switch Terminal**

**Lester:** 17814, 17870, 17871, 17901

**Dim:** 9.1mm OD

**For:**

**Note:**

**Ref:** W485-185, 76-85500



**76-85011**  
**Switch Terminal**

**Lester:** 17816, 17844

**Dim:**

**For:**

**Note:**

**Ref:** 76-85503



**76-85006**  
**Terminal Extension**

**Lester:** 17958

**Dim:** M8 x 1.25

**For:**

**Note:**

**Ref:** SH-18147



**76-85016**  
**Switch Terminal**

**Lester:** 10914, 10915, 16378, 19159, 19264

**Dim:** M8x1.25, 46.3mm L

**For:**

**Note:** Similar to 76-85006, but opposite side.

Seal Cap use 71-85103.

**Ref:** SH-18178, 66-85653



**76-85004**  
**Snap Ring-Contact Bolt**

**Lester:** 10914, 17870

**Dim.:** 16.6mm OD, 8.8mm ID  
3.7mm Height

**For:**

**Note:**

**Ref:**



**76-85005**  
**Planetary Gear**  
**16 Teeth**

**Lester:** 10914, 17816, 17870, 17958 ... more

**Dim:** 18.5mm Gear OD  
9.1mm T

**For:** SM612 Series

**Note:**

**Ref:** 76-85100, SH-31114G



**76-85012**  
**Stationary Gear**  
**42 Teeth**

**Lester:** 17816, 17870

**Dim:** 70.7mm Gear OD  
24.5mm Height

**For:** SM612 Series, for Internal Thru Bolt use

**Note:**

**Ref:** SH-03114 (wo/Plastic)



**76-85017**  
**Stationary Gear**  
**42 Teeth**

**Lester:** 10876, 10914, 10925, 10926, 17959, 19159, 19221, 19264

**Dim:** 70.85mm Gear OD  
13.5mm Shaft ID Hole

23.8mm Height

**For:** SM710, SM740

**Note:**

**Ref:** SH-30136



**76-85019**  
**Stationary Plate**

**Lester:** 10914

**Dim:** 41.15mm OD, 13.35mm ID  
5.5mm Plate Thickness,  
14.35mm Total Thickness

**For:**

**Note:**

**Ref:**



# Mitsuba PMGR Parts



**76-85003-1  
Bracket-CE Plate**

Lester: 17870, 17960  
Dim.:  
For: SM612-09, SM710-02  
Note:  
Ref: W485-187



**76-85009-1  
Bracket-CE Plate  
Right Side**

Lester: 17958  
Dim.:  
For: SM710-01  
Note:  
Ref:



**76-85010  
Bracket-CE Plate  
Left Side**

Lester: 17958  
Dim.:  
For: SM710-01  
Note:  
Ref:



**76-85007  
Bracket-CE Plate**

Lester: 17816, 17844  
Dim.:  
For: SM612-05, SM612-06  
Note:  
Ref:



**76-85018  
Bracket-CE Plate**

Lester: 10914  
Dim.:  
For:  
Note:  
Ref: SH-04178B

**Photo  
Coming Soon**



**76-85008  
Bracket-CE Plate**

Lester: 17959  
Dim.:  
For: SM710-03  
Note:  
Ref:

**76-85020  
Bracket-CE Plate**

Lester: 1960  
Dim.:  
For:  
Note:  
Ref:

# Mitsuba PMGR Parts



**84-82164**  
**Contact Bolt-Copper**

**Lester:** 17870  
**Dim:** M8 x 1.25 x 26.5mm L  
30mm OAL  
**For:**  
**Note:**  
**Ref:** SH-18114



**84-82167**  
**Thru Bolt**  
**D.E to C.E. - Internal**  
**Hex Washer Head**

**Lester:** 17870  
**Dim:** M5 x 0.8 x 151mm L  
M8 Drive  
**For:**  
**Note:** Also for Delco PG260F2,  
PG260L Series PMGR Starters  
**Ref:** 85-135, SO-12711



**84-82XXX**  
**Thru Bolt**  
**D.E to C.E. - External**  
**Hex Head w/Dog Point**

**Lester:** 10914  
**Dim:** M6 x 1.0 x 105mm L  
110.5mm OAL  
24mm Thread Length  
**For:**  
**Note:**  
**Ref:** SH-12169

**Photo**  
**Coming**  
**Soon**

**84-82168**  
**Screw**  
**Phillip Pan Head,**  
**Attached Lock Washer**  
**DE Housing**

**Lester:** 17816, 17844, 17870,  
17871, 17958, 17960, 19009  
**Dim:** M3 x 0.5x6.8mm L  
**For:**  
**Note:**  
**Ref:** 85-1236, MS-3068



**84-82169**  
**Thru Bolt**  
**D.E to C.E. - External**  
**Hex Washer Head**

**Lester:** 17960  
**Dim:** M6 x 1.0 x 95mm L  
23mm Thread Length  
**For:**  
**Note:**  
**Ref:**



**84-89001**  
**Retainer-**  
**Solenoid Contact**

**For:** SM612, SM710 Series  
**Dim:** 3.7mm ID, 12.2mm OD  
0.3mm Thickness  
**Lester:** 17816, 17844, 17870,  
17871, 17958, 17959, 17960,  
19009  
**Note:** Used on 69-85101 Brush  
Holder  
**Ref:** 84-8918

**No Photo**  
**Available**

**84-82**  
**Screw-Diodes**  
**Lester:** 17814, 17816, 17844,  
17870, 17871, 17901, 17953,  
17958, 17959, 17960, 19009

**Dim:**  
**For:**  
**Note:**  
**Ref:**



**85-82101**  
**Hex Nut**  
**Terminal Post**

**Lester:** 17870  
**Dim:** M8 x 1.25 x 6mm T  
**For:**  
**Note:**  
**Ref:**

# 1.8kw Unit



**19252**

**Starter-Mitsuba PMGR**

**1.8kw, 12V, 19T, CCW**

**For:** Accura RLX V6 3.5L 3471cc 212cid J35Y4 2014-2015

RLX V6 3.5L 3471cc J35Y4 2014-2016

Honda Accord V6 3.5L 3471cc 212cid 2013-2016

Crosstour V6 3.5L 3471cc 2013-2014

Crosstour V6 3.5L 3471cc 212cid 2013-2015

**OE:** SM704-11

**Lester:** 19252

**PIC:** 191-716

**Note:**

# 1.6kw Unit



## 17960N

**Starter-Mitsuba PMGR**

**1.6kw, 12V, 9T, CW**

**For:** Acura, Honda

**OE:** SM710-02, SM710-05

**Lester:** 17960

**PIC:** 191-182, 191-183

**Note:** Use big Armature. Similar to 19009, but 19009 use external Thru Bolt.



## 17870N

**Starter-Mitsuba PMGR**

**1.6kw, 12V, 9T, CW**

**For:** Acura, Honda

**OE:** SM612-09

**Lester:** 17870

**PIC:** 191-179

**Note:** used w/AT, for w/MT use 17869N (Mitsubishi PMGR unit). Use big Armature.



## 17844N

**Starter-Mitsuba PMGR**

**1.6kw, 12V, 9T, CW**

**For:** Honda CRV

**OE:** SM612-06, SM612-06-3M

**Lester:** 17844

**PIC:** 191-177

**Note:** use big Armature

**No Photo Available**

## 17953

**Starter-Mitsuba PMGR**

**1.6kw, 12V, 11T, CW**

**For:** ACURA RDX 2.3L TURBO 2007-08

**OE:** SM710-06

**Lester:** 17953

**PIC:** 191-189

**Note:** use big Armature.

# 1.6kw Unit



**19009N**

**Starter-Mitsuba PMGR**

**1.6kw, 12V, 9T, CW**

**For:** HONDA CR-V 2.4L 2007-09

**OE:** SM710-07

**Lester:** 19009

**PIC:** 191-191

**Note:** Use big Armature. Similar to 17960, but 17960 use internal Thru Bolt.



**10915**

**Starter-Mitsuba PMGR**

**1.6kw, 12V, 9T, CW**

**For:**

Honda Accord L4 2.4L 2356cc 144cid 2013-2016

**OE:** SM740-10

**Lester:** 10915

**PIC:** 191-712

**Note:**



**10914**

**Starter-Mitsuba PMGR**

**1.6kw, 12V, 9T, CW**

**For:** Honda Accord L4 2.4L 2013-2016 ,  
Honda CR-V L4 2.4L 2015-2016

**OE:** SM740-09

**Lester:** 10914

**PIC:** 191-711

**Note:**

# 1.2kw Unit



**17816N**

**Starter-Mitsuba PMGR**

**1.2kw, 12V, 9T, CW**

**For:** Acura, Honda

**OE:** SM612-05, SM612-10

**Lester:** 17816

**PIC:** 191-178, 191-187

**Note:** use small Armature.



**17958N**

**Starter-Mitsuba PMGR**

**1.2kw, 12V, 9T, CW**

**For:** Honda

**OE:** SM710-01

**Lester:** 17958

**PIC:** 191-186

**Note:** used w/AT, for w/MT use 17957 (Denso PMGR unit). Use small Armature.

# 1.0kw Unit

**No Photo  
Available**

**17959N**

**Starter-Mitsuba PMGR**

**1.0kw, 12V, 9T, CW**

**For: HONDA CIVIC HYBRID 1.3L 2006-08**

**OE: SM710-03**

**Lester: 17959**

**PIC: 191-185**

**Note:**

**No Photo  
Available**

**17871**

**Starter-Mitsuba PMGR**

**1.0kw, 12V, 9T, CCW**

**For: HONDA CIVIC HYBRID 1.3L 2003-05**

**OE: SM612-08**

**Lester: 17871**

**PIC: 191-180**

**Note:**

**No Photo  
Available**

**17814N**

**Starter-Mitsuba PMGR**

**1.0kw, 12V, 9T,C CW**

**For: HONDA INSIGHT 2000-01**

**OE: SM612-02**

**Lester: 17814**

**PIC: 191-123**

**Note:**

**No Photo  
Available**

**17901**

**Starter-Mitsuba PMGR**

**1.0kw, 12V, 9T, CCW**

**For: HONDA Insight 1.0L 2002-06**

**OE: SM612-07**

**Lester: 17901**

**PIC: 191-123A**

**Note:**

# Mitsuba PMGR Parts

Highly Improved and Enhanced by Metro

1. Capable of 1.6kw torque.
2. Drive slides freely and easily to the right position.
3. Durable Armature for 8000-times runs.
4. Heat and cold resistant with high quality grease.

## **ARMATURE**

Metro made Armature is equally the same to original one, so our Armature has a good heat-dissipation and does not get burned. Unlike the after market ones, the windings cheaply done against the original design just for reducing the cost.



## **69-85100**

### **BRUSH HOLDER**

Its material is the same as original's which is the high quality of heat-resistant.



## **54-85501**

### **DRIVE**

The spring has been approved and is very elastic. The Drive meets the standard specification.



## **76-85012A**

### **STATIONARY GEAR**

Metro use iron, this is different from plastic used by other manufacturers. Obviously our product is more durable.



## **66-85104**

### **SOLENOID-MAGNETIC COIL**

The magnetic coil is a crucial part of this starter. The magnet is stronger than the original, can deliver more power after we re-made and re-designed it.





# Mitsuba PMGR Parts

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