

# Service Manual

**XG-M**

**(CODE NO. 2019)**



MINOLTA

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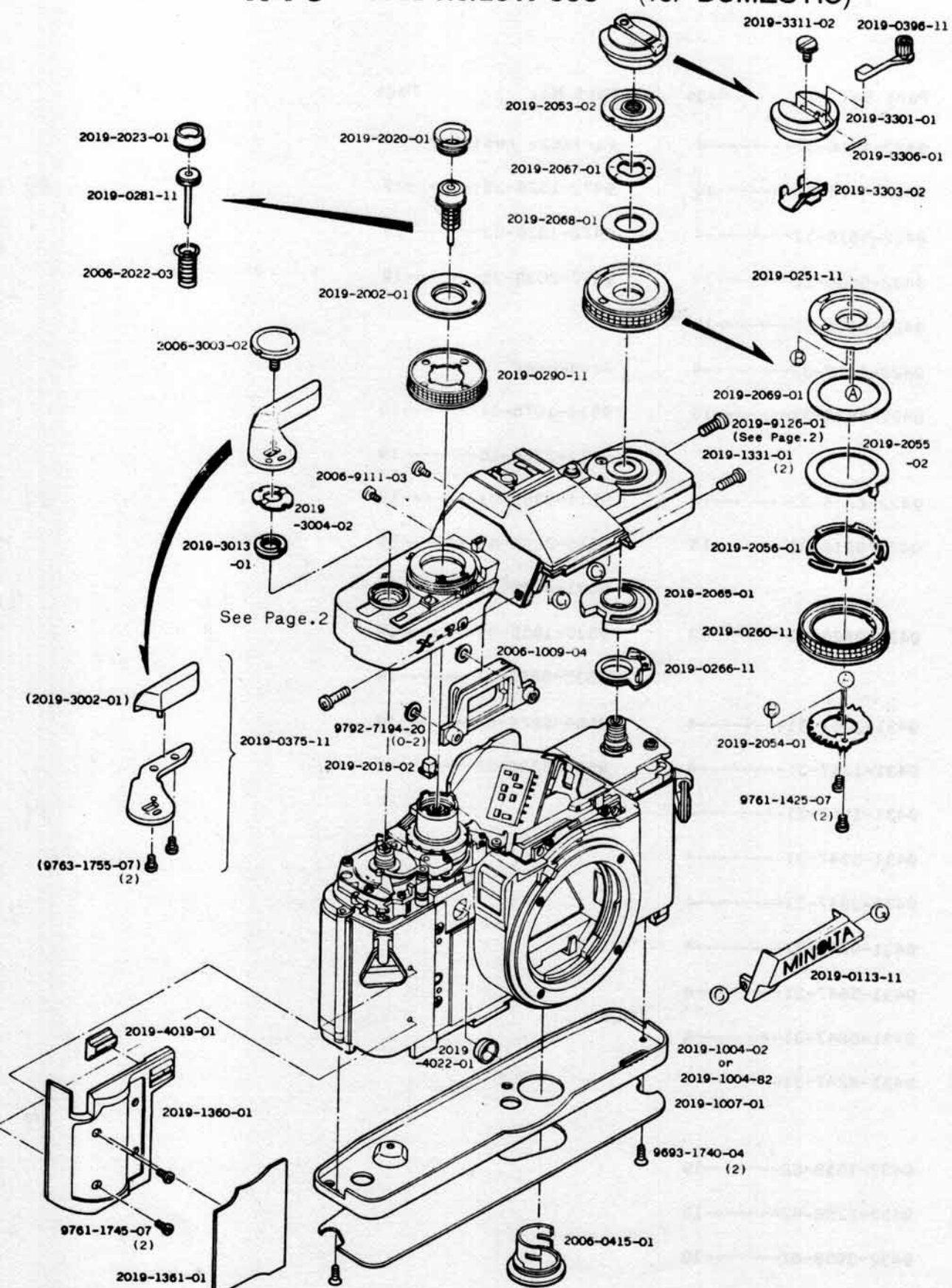
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| 2019-0113-11   | Front top cover set                  | 正面上部カバーセット       | 1    |
| 2019-0251-11   | ASA cover plate set                  | ASA カバー板セット      | 1    |
| 2019-0260-11   | ASA operation knob set               | ASA 操作ノブセット      | 1    |
| 2019-0266-11   | ASA contact holder set               | ASA 接片ホルダーセット    | 1    |
| 2019-0281-11   | Shutter release button set           | シャッター釦軸セット       | 1    |
| 2019-0290-11   | Shutter speed dial/Function selector | シャッターダイヤルセット     | 1    |
| 2019-0375-11   | Film advance lever set               | 巻上レバーセット         | 1    |
| (2019-3002-01) | Film advance lever knob              | 巻上レバー指当て         | 1    |
| (9763-1755-07) | Tap tite screw                       | 十字穴付半丸皿頭タッブタイトねじ | 2    |
| 2019-0396-11   | Rewinding handle set                 | 巻戻しハンドルセット       | 1    |
| 2006-0415-01   | Battery holder set                   | 電池ケース蓋           | 1    |
| 2019-1004-02   | Bottom cover or Sheet                | 下カバー             | 1    |
| 2019-1004-82   |                                      | 下カバー用保護シート       | 1    |
| 2019-1007-01   |                                      |                  |      |
| 2006-1009-04   | Eye-piece frame                      | 接眼枠              | 1    |
| 2019-1331-01   | Screw                                | 止めビス             | 2    |
| 2019-1360-01   | Grip                                 | グリップ             | 1    |
| 2019-1361-01   | Grip leather                         | グリップ貼皮           | 1    |
| 2019-2002-01   | Shutter speed dial                   | スピードダイヤル銘板       | 1    |
| 2019-2018-02   | Auto lock button                     | オートロック釦          | 1    |
| 2019-2020-01   | Shutter release button pressure      | シャッター釦押え         | 1    |
| 2006-2022-03   | Shutter release button spring        | シャッター釦スプリング      | 1    |
| 2019-2023-01   | Shutter release button cap           | シャッター釦キャップ       | 1    |
| 2019-2053-02   | ASA dial nut                         | ASA 押えナット        | 1    |
| 2019-2054-01   | ASA click plate                      | ASA クリック板        | 1    |
| 2019-2055-02   | ASA dial                             | ASA 銘板           | 1    |
| 2019-2056-01   | ASA spring                           | ASAスプリング         | 1    |
| 2019-2065-01   | ASA contact holder guide             | ASA 接片ホルダーガイド    | 1    |
| 2019-2067-01   | Pressure spring                      | ASA操作リング押えバネ     | 1    |
| 2019-2068-01   | Operation knob sheet                 | ASA操作リングシート      | 0-1  |
| 2019-2069-01   | ASA dial sheet                       | ASA 銘板シート        | 1    |
| 2006-3003-02   | Winding lever pressure               | 巻上レバー押え          | 1    |
| 2019-3004-02   | Winding lever friction               | 巻上レバーフリクション      | 1    |
| 2019-3013-01   | Top cover nut                        | 上カバー止めナット        | 1    |
| 2019-3301-01   | Rewindig knob                        | 巻戻しノブ            | 1    |
| 2019-3303-02   | Rewindin handle spring               | 巻戻しバネ            | 1    |
| 2019-3306-01   | Rewinding handle axis                | 巻戻しハンドル軸         | 1    |
| 2019-3311-02   | Rewinding knob screw                 | 巻戻しノブビス          | 1    |
| 2019-4019-01   | Self-timer window                    | セルフ表示窓           | 1    |
| 2019-4022-01   | Reflection ring                      | セルフ表示反射環         | 1    |
| 2006-9111-03   | Screw                                | 特殊止めビス           | 2    |
| 2019-9126-01   | Screw                                | 特殊止めビス           | 1    |
| 9693-1740-04   | Phillips type tapping screw          | 十字穴付半丸皿頭タッピングねじ  | 2    |
| 9761-1425-07   | Tap tite screw                       | 十字穴付なべ頭タッブタイトねじ  | 2    |
| 9761-1745-07   | Tap tite screw                       | 十字穴付なべ頭タッブタイトねじ  | 2    |
| 9792-7194-20   | Tap tite screw                       | 薄ワッシャー           | 0-2  |

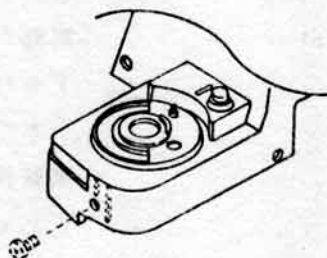
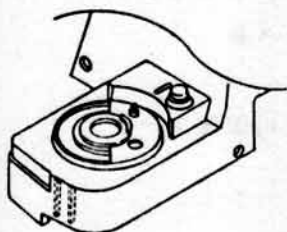
Assy. Part No. 2019-0130-11 (for XG-M)  
or  
2019-0130-25

Assy. Part No. 2019-0134-11 (for X-70)

(for XG-M)

2019-0130-11

2019-0130-25



- 2019-9126- and 2019-1111-01(Refer to P.15) should be used on the top cover (0130-25) with a screw-hole.
- ビス穴のある上カバー (0130-25) には2019-9126-01, 2019-1111-01 (P. 15参照) を使用して下さい。

2019-1351-01



9613-1650-01 (4)

2019-1052-01

2006-9245-04

2013-9246-01

2006-1062-02

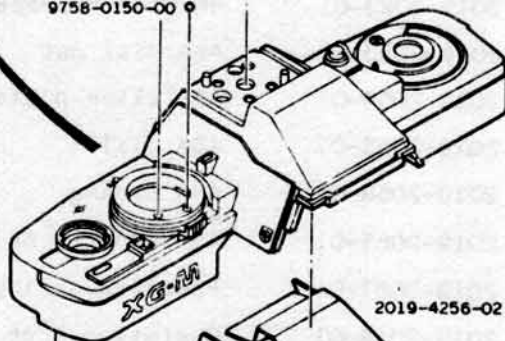
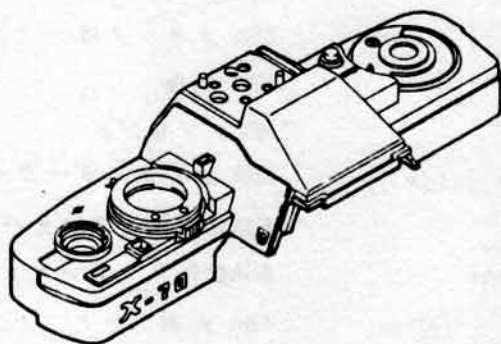


2019-0132-11

9611-1616-07

2019-2070-03

9758-0150-00



2019-4256-02

2019-1018-01



2006-1054-03



2006-1069-01



2013-1068-01



9798-3155-87

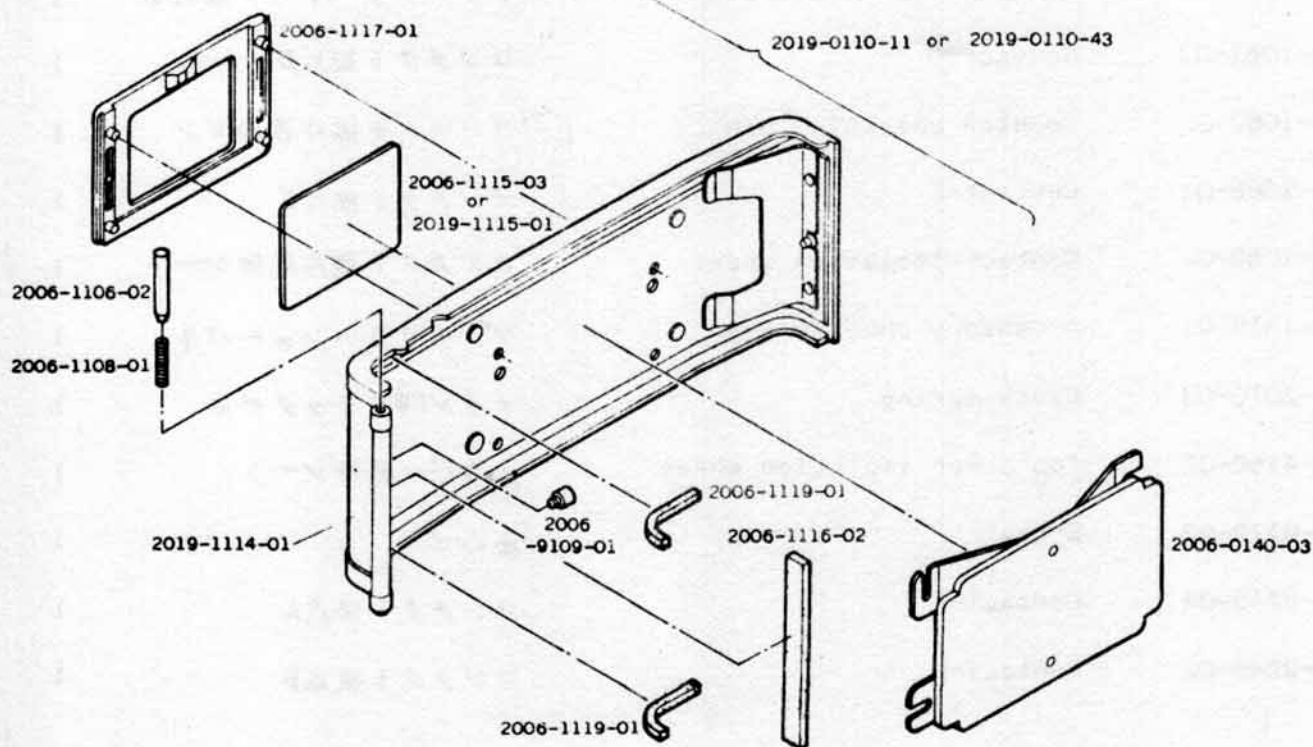


2006-1061-02



2006-9112-02

| Part No.                                   | Part Name                 |              | Qty |
|--------------------------------------------|---------------------------|--------------|-----|
| 2019-0130-11<br>2019-0130-25 <sup>or</sup> | Top cover set(for XG-M)   | 上カバーセット      | 1   |
| 2019-0134-11                               | Top cover set (for X-70)  | 上カバーセット      | 1   |
| 2019-0132-11                               | Accessory shoe base set   | アクセサリーシュー座   | 1   |
| 2019-1018-01                               | Counter window            | カウンター窓       | 1   |
| 2019-1052-01                               | Accessory shoe            | アクセサリーシュー    | 1   |
| 2006-1054-03                               | Accessory shoe set plate  | アクセサリーシュー取付板 | 1   |
| 2006-1061-02                               | Contact-D                 | コンタクト接片D     | 1   |
| 2006-1062-02                               | Counter operation pin     | コンタクト接片連動ピン  | 1   |
| 2013-1068-01                               | Contact-E                 | コンタクト接片E     | 1   |
| 2006-1069-02                               | Contact isolation sheet   | コンタクト接片絶縁シート | 1   |
| 2019-1315-01                               | Accessory shoe spring     | アクセサリーシューバネ  | 1   |
| 2019-2070-03                               | Click spring              | メインSWクリックバネ  | 1   |
| 2019-4256-02                               | Top cover isolation sheet | 上カバー絶縁シート    | 1   |
| 2006-9112-02                               | Screw                     | 止めビス         | 1   |
| 2006-9245-04                               | Contact-A                 | コンタクト接点A     | 1   |
| 2006-9246-02                               | Contact-B                 | コンタクト接点B     | 1   |
| 9611-1616-07                               | Phillips type screw       | 十字穴付なべ頭小ねじ   | 1   |
| 9613-1650-01                               | Phillips type screw       | 十字穴付半丸皿頭小ねじ  | 4   |
| 9758-0150-00                               | Steel ball                | スチールボール      | 1   |
| 9798-3155-87                               | Washer                    | 薄ワッシャー       | 1   |



(2019-0110-11)

2006-1115-03

|     |     |    |      |
|-----|-----|----|------|
| DIN | ASA | 24 | 200  |
| 12  | 12  | 27 | 400  |
| 15  | 25  | 30 | 600  |
| 18  | 50  | 33 | 1600 |
| 21  | 100 | 36 | 3200 |

MINOLTA CAMERA CO. LTD  
JAPAN

(for XG-M)

(2019-0110-43)

2019-1115-01

|             |    |      |
|-------------|----|------|
| ISO         | 24 | 200  |
| (DIN · ASA) | 27 | 400  |
| 12          | 30 | 800  |
| 15          | 33 | 1600 |
| 18          | 36 | 3200 |
| 21          | 39 | 6400 |

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JAPAN

(for XG-M & X-70)

- Changed item.....ASA indication has changed to ISO.
- The current parts will be exchanged in order with new ones for XG-M.

■ 変更内容.....ASA表示からISO表示に変更

■ XG-Mは順次新部品に切替



| Part No.                     | Part Name             | Qty. |
|------------------------------|-----------------------|------|
| 2019-0110-11<br>2019-0110-43 | Back cover set        | 1    |
| 2006-1106-02                 | Hinge axis-A          | 1    |
| 2006-1108-01                 | Hinge spring          | 1    |
| 2019-1114-01                 | Back leather          | 1    |
| 2006-1115-03<br>2019-1115-01 | Conversion scale      | 1    |
| 2006-1116-02                 | Light shield sponge   | 1    |
| 2006-1117-01                 | Memo halder           | 1    |
| 2006-1119-01                 | Light shield sponge-B | 2    |
| 2006-9109-01                 | Screw                 | 1    |
| 2006-0140-03                 | Pressure plate set    | 1    |
|                              | 裏蓋セット                 |      |
|                              | ヒンジ軸A                 |      |
|                              | ヒンジスプリング              |      |
|                              | 裏蓋貼皮                  |      |
|                              | ASA. DIN換算板           |      |
|                              | 裏蓋遮光片                 |      |
|                              | 裏蓋ポケット                |      |
|                              | 裏蓋遮光片B                |      |
|                              | 止めビス                  |      |
|                              | 圧着板セット                |      |

9765-1730-07  
※ 9765-2030-07

9762-1740-02

9762-1745-02

9612-1685-07

See Page.16

9695-1740-02  
(2)

2006-0881-05

2006-5008-03

2006-5006-02

2006-0596-02

2006-1019-03

2019-1016-02

2019-1015-01

See Page.19

9762-1730-07  
(2)

R1

R2

※ The screw for damaged hole  
ねじ穴不良対策ビス

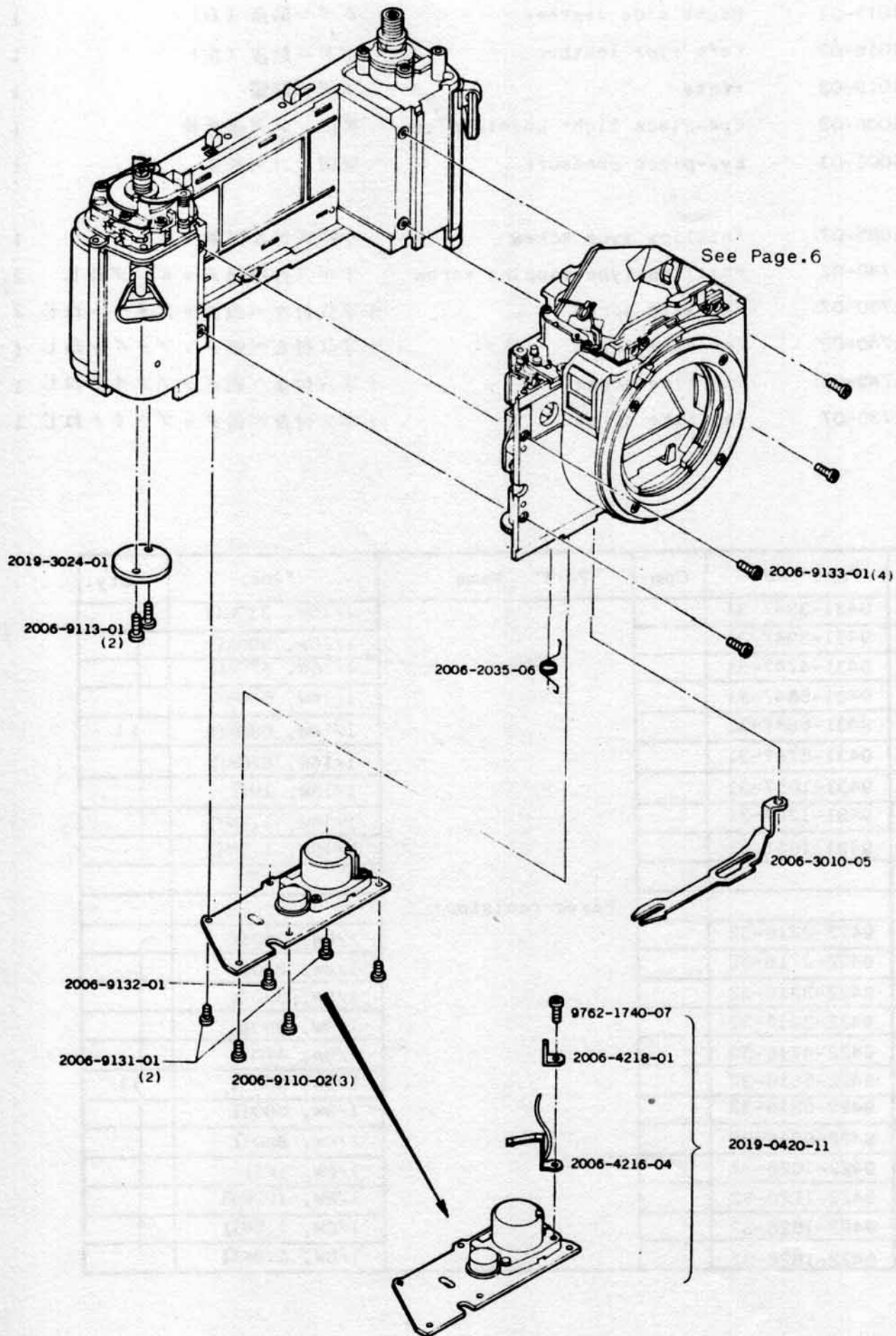
Part No.

Part. Name

Qty

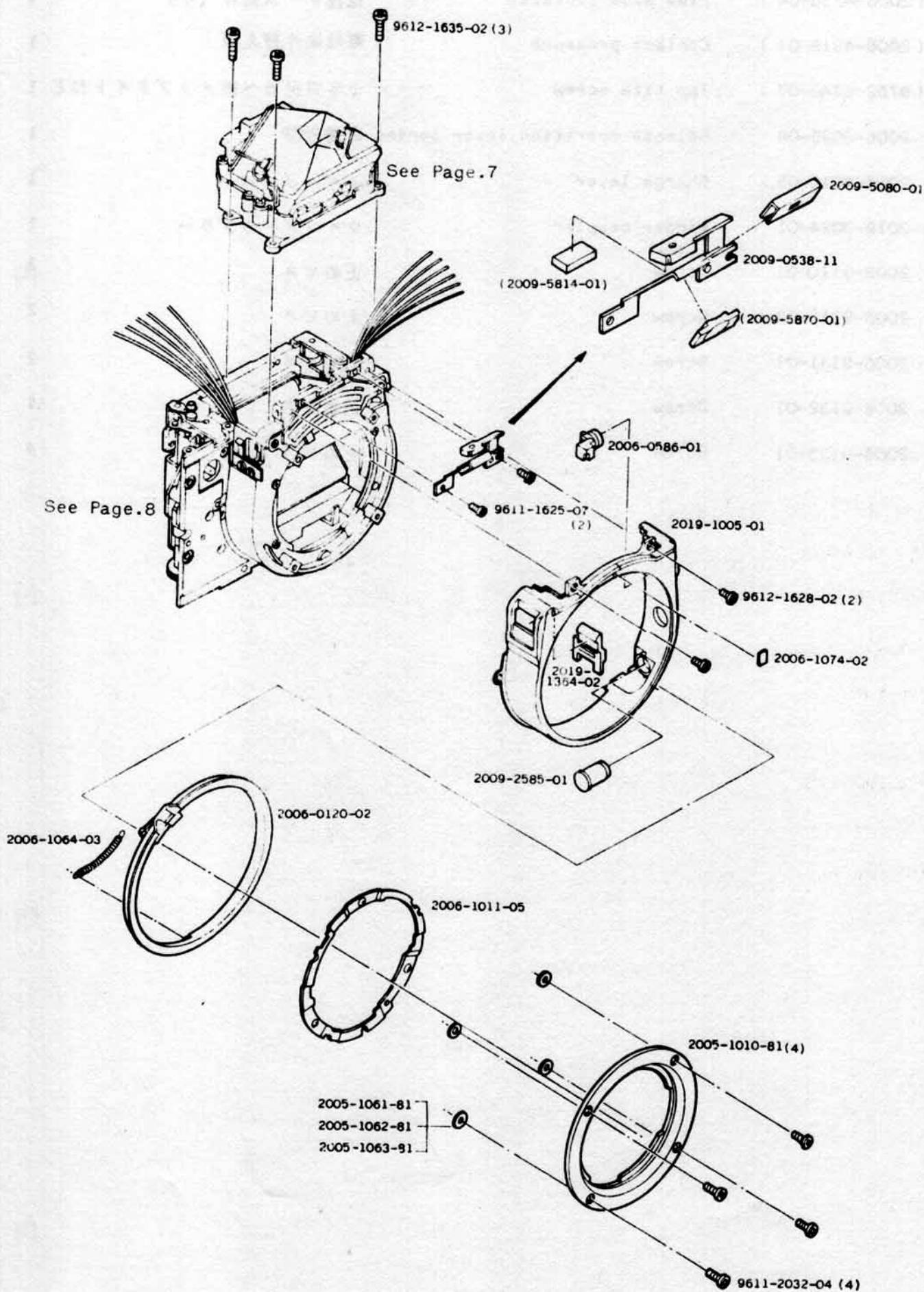
|              |                              |                 |   |
|--------------|------------------------------|-----------------|---|
| 2006-0596-02 | Cds circuit base plate set   | Cds基板セット        | 1 |
| 2006-0881-05 | Eye-piece set                | 接眼レンズセット        | 1 |
| 2019-1015-01 | Right side leather           | ボデー貼皮 (右)       | 1 |
| 2019-1016-02 | Left side leather            | ボデー貼皮 (左)       | 1 |
| 2006-1019-03 | Plate                        | ボデー貼板           | 1 |
| 2006-5006-02 | Eye-piece light shield plate | 接眼レンズ遮光枠        | 1 |
| 2006-5008-03 | Eye-piece pressure           | 接眼レンズ押え         | 1 |
| 9612-1685-07 | Phillips type screw          | 十字穴付なべ頭小ねじ      | 1 |
| 9695-1740-02 | Phillips type tapping screw  | 十字穴付皿頭タッピングねじ   | 2 |
| 9762-1730-07 | Tap tite screw               | 十字穴付なべ頭タップタイトねじ | 2 |
| 9762-1740-02 | Tap tite screw               | 十字穴付なべ頭タップタイトねじ | 1 |
| 9762-1745-02 | Tap tite screw               | 十字穴付なべ頭タップタイトねじ | 1 |
| 9765-1730-07 | Tap tite screw               | 十字穴付なべ頭タップタイトねじ | 1 |

| Symbol | Part No.     | Com | Part Name      | Type.                | Qty. |
|--------|--------------|-----|----------------|----------------------|------|
| R1     | 9431-3347-31 |     | Fixed resistor | 1/16W, 330K $\Omega$ |      |
|        | 9431-3947-31 |     |                | 1/16W, 390K $\Omega$ |      |
|        | 9431-4747-31 |     |                | 1/16W, 470K $\Omega$ |      |
|        | 9431-5647-31 |     |                | 1/16W, 560K $\Omega$ |      |
|        | 9431-6847-31 |     |                | 1/16W, 680K $\Omega$ | > 1  |
|        | 9431-8247-31 |     |                | 1/16W, 820K $\Omega$ |      |
|        | 9431-1057-31 |     |                | 1/16W, 1M $\Omega$   |      |
|        | 9431-1257-31 |     |                | 1/16W, 1.2M $\Omega$ |      |
|        | 9431-1557-31 |     |                | 1/16W, 1.5M $\Omega$ |      |
|        |              |     |                |                      |      |
|        |              |     |                |                      |      |
| R2     | 9422-2216-32 |     |                | 1/8W, 200 $\Omega$   |      |
|        | 9422-2716-32 |     |                | 1/8W, 270 $\Omega$   |      |
|        | 9422-3316-32 |     |                | 1/8W, 330 $\Omega$   |      |
|        | 9422-3916-32 |     |                | 1/8W, 390 $\Omega$   |      |
|        | 9422-4716-32 |     |                | 1/8W, 470 $\Omega$   |      |
|        | 9422-5616-32 |     |                | 1/8W, 560 $\Omega$   | > 1  |
|        | 9422-6816-32 |     |                | 1/8W, 680 $\Omega$   |      |
|        | 9422-8216-32 |     |                | 1/8W, 820 $\Omega$   |      |
|        | 9422-1026-32 |     |                | 1/8W, 1K $\Omega$    |      |
|        | 9422-1226-32 |     |                | 1/8W, 1.2K $\Omega$  |      |
|        | 9422-1526-32 |     |                | 1/8W, 1.5K $\Omega$  |      |
|        | 9422-1826-32 |     |                | 1/8W, 1.8K $\Omega$  |      |

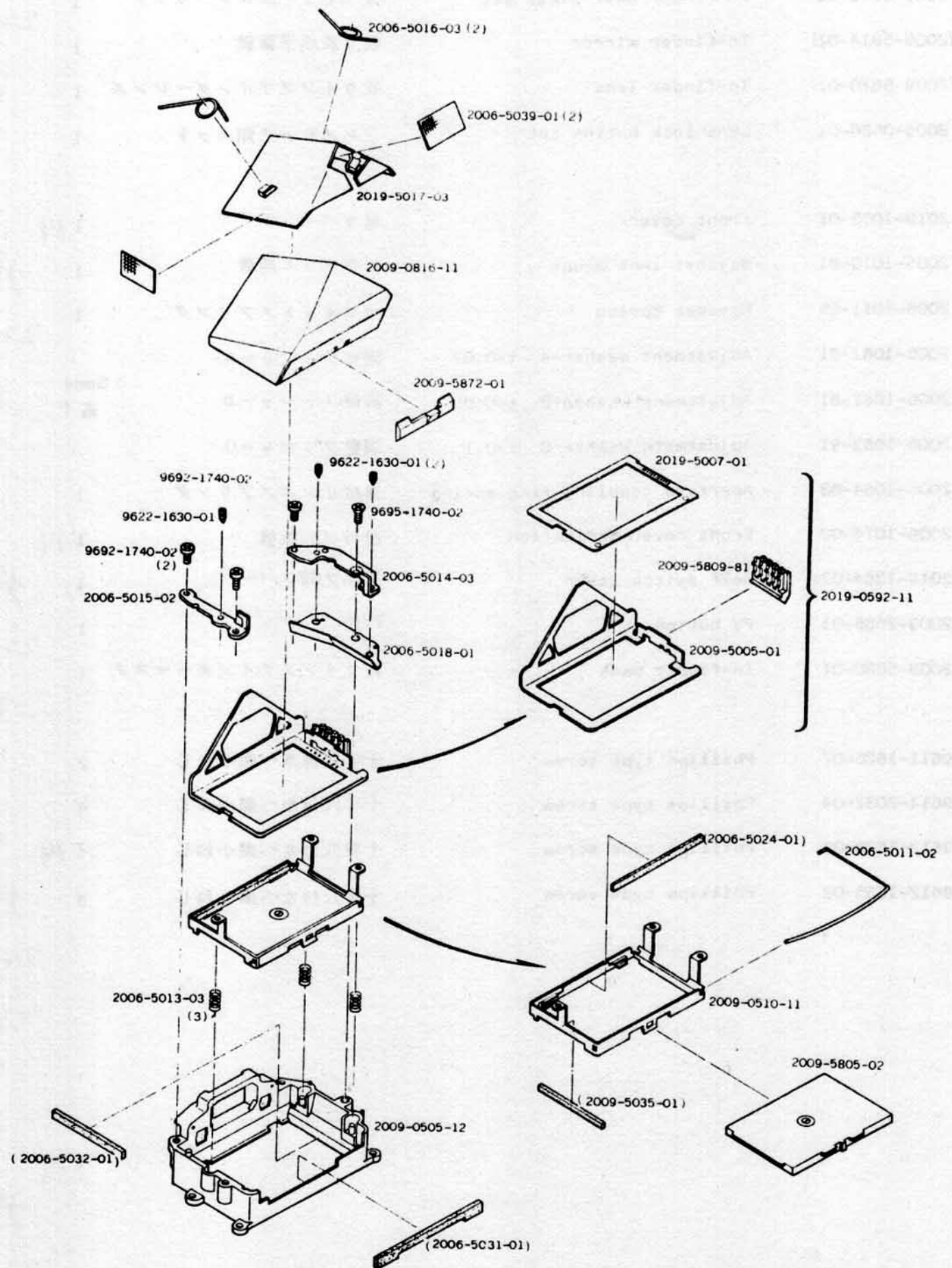


| Part No.       | Part Name                            | Qty. |
|----------------|--------------------------------------|------|
| 2019-0420-11   | Battery case base plate set          | 1    |
| (2006-4216-04) | 電池ケース基板                              | 1    |
| (2006-4218-01) | Plus side contact                    | 1    |
| (2006-4218-01) | 電池ケース接片 (+)                          | 1    |
| (9762-1740-07) | Contact pressure                     | 1    |
|                | 電池接片押え板                              |      |
|                | 十字穴付なべ頭タップタイトねじ                      | 1    |
| 2006-2035-06   | Tap tite screw                       | 1    |
|                | Release operation lever spring 吸着用SP |      |
| 2006-3010-05   | Charge lever                         | 1    |
|                | チャージレバー                              |      |
| 2019-3024-01   | Winder coupler                       | 1    |
|                | ワインダーカプラー                            |      |
| 2006-9110-01   | Screw                                | 3    |
|                | 止めビス                                 |      |
| 2006-9113-02   | Screw                                | 2    |
|                | 止めビス                                 |      |
| 2006-9131-01   | Screw                                | 2    |
|                | 止めビス                                 |      |
| 2006-9132-01   | Screw                                | 1    |
|                | 止めビス                                 |      |
| 2006-9133-01   | Screw                                | 4    |
|                | 止めビス                                 |      |





| Part No.       | Part Name                     |               | Qty.         |
|----------------|-------------------------------|---------------|--------------|
| 2006-0120-02   | Aperture coupling ring set    | 連結リングセット      | 1            |
| 2009-0538-11   | In-finder base plate set      | 絞りミラーホルダーセット  | 1            |
| (2009-5814-01) | In-finder mirror              | 絞り表示平面鏡       | 1            |
| (2009-5870-01) | In-finder lens                | 絞りインファインダーレンズ | 1            |
| 2006-0586-01   | Lens lock button set          | レンズロック釦セット    | 1            |
| 2019-1005-01   | Front cover                   | 前カバー          | 1            |
| 2005-1010-81   | Bayonet lens mount            | バヨネット座板       | 1            |
| 2006-1011-05   | Bayonet spring                | バヨネットスプリング    | 1            |
| 2005-1061-81   | Adjustment washer-A t=0.02    | 調整ワッシャーA      | } Some<br>若干 |
| 2005-1062-81   | Adjustment washer-B t=0.05    | 調整ワッシャーB      |              |
| 2005-1063-81   | Adjustmetn washer-C t=0.1     | 調整ワッシャーC      |              |
| 2006-1064-03   | Aperture coupling ring spring | 連結リングスプリング    | 1            |
| 2006-1074-02   | Front cover indication        | 前カバー指標        | 1            |
| 2019-1364-02   | Self switch lever             | セルフSWレバー      | 1            |
| 2009-2585-01   | PV button                     | PV釦           | 1            |
| 2009-5080-01   | In-finder mask                | 絞りインファインダーマスク | 1            |
| 9611-1625-07   | Phillips type screw           | 十字穴付なべ頭小ねじ    | 2            |
| 9611-2032-04   | Phillips type screw           | 十字穴付なべ頭小ねじ    | 4            |
| 9612-1628-02   | Phillips type screw           | 十字穴付なべ頭小ねじ    | 2            |
| 9612-1635-02   | Phillips type screw           | 十字穴付なべ頭小ねじ    | 3            |



| Part No.       | Part Name                    |                | Qty. |
|----------------|------------------------------|----------------|------|
| 2009-0505-12   | Penta. holder set            | ペンターホルダーセット    | 1    |
| (2006-5031-01) | Packing-A                    | 防塵モルトブレンA      | 1    |
| (2006-5032-01) | Packing-B                    | 防塵モルトブレンB      | 1    |
| 2009-0510-11   | Fresnel lens holder set      | 焦点板ホルダーセット     | 1    |
| (2006-5024-01) | Packing-C                    | 防塵モルトブレンC      | 1    |
| (2009-5035-01) | Shield plate                 | 防塵塩ビシート        | 1    |
| 2019-0592-11   | Penta. receiver set          | ペンタ受セット        | 1    |
| (2009-5005-01) | Penta. receiver              | ペンタ受           | 1    |
| (2019-5007-01) | Scale plate                  | 目盛板            | 1    |
| (2009-5809-81) | L.E.D mirror                 | 光路棒            | 1    |
| 2009-0816-11   | Penta. prism set             | ペンタプリズム        | 1    |
| (2009-5872-01) | In-finder prism              | 絞りインファインダープリズム | 1    |
| 2006-5011-02   | Fresnel lens pressure spring | 焦点板押えSP        | 1    |
| 2006-5013-03   | Fresnel lens holder spring   | 焦点板ホルダーSP      | 3    |
| 2006-5014-03   | Penta. pressure (Left side)  | ペンタ押え (左)      | 1    |
| 2006-5015-02   | Penta. pressure (Right side) | ペンタ押え (右)      | 1    |
| 2006-5016-03   | Penta. spring                | ペンタ押えSP        | 2    |
| 2019-5017-03   | Penta. pressure              | ペンタ押え板         | 1    |
| 2006-5018-01   | L.E.D diffusion plate        | LED拡散板         | 1    |
| 2006-5039-01   | Tape (15mmX9mm)              | ペンタ押え板接着テープ    | 2    |
| 2009-5805-02   | Fresnel lens                 | 焦点板            | 1    |
| 9622-1630-01   | Screw                        | トガリ先止めねじ       | 3    |
| 9692-1740-02   | Phillips type tapping screw  | 十字穴付なべ頭タッピングねじ | 3    |
| 9695-1740-02   | Phillips type tapping screw  | 十字穴付皿頭タッピングねじ  | 1    |



See Page.17,18

2006-9004-02

(H)

9613-1645-07

(LD13)  
9353-2642-01

(C3)  
9565-3338-32

See Page.10,11

9612-1628-07(2)

2019-0580-11

(K)

See Page.9

9612-1625-07(3)

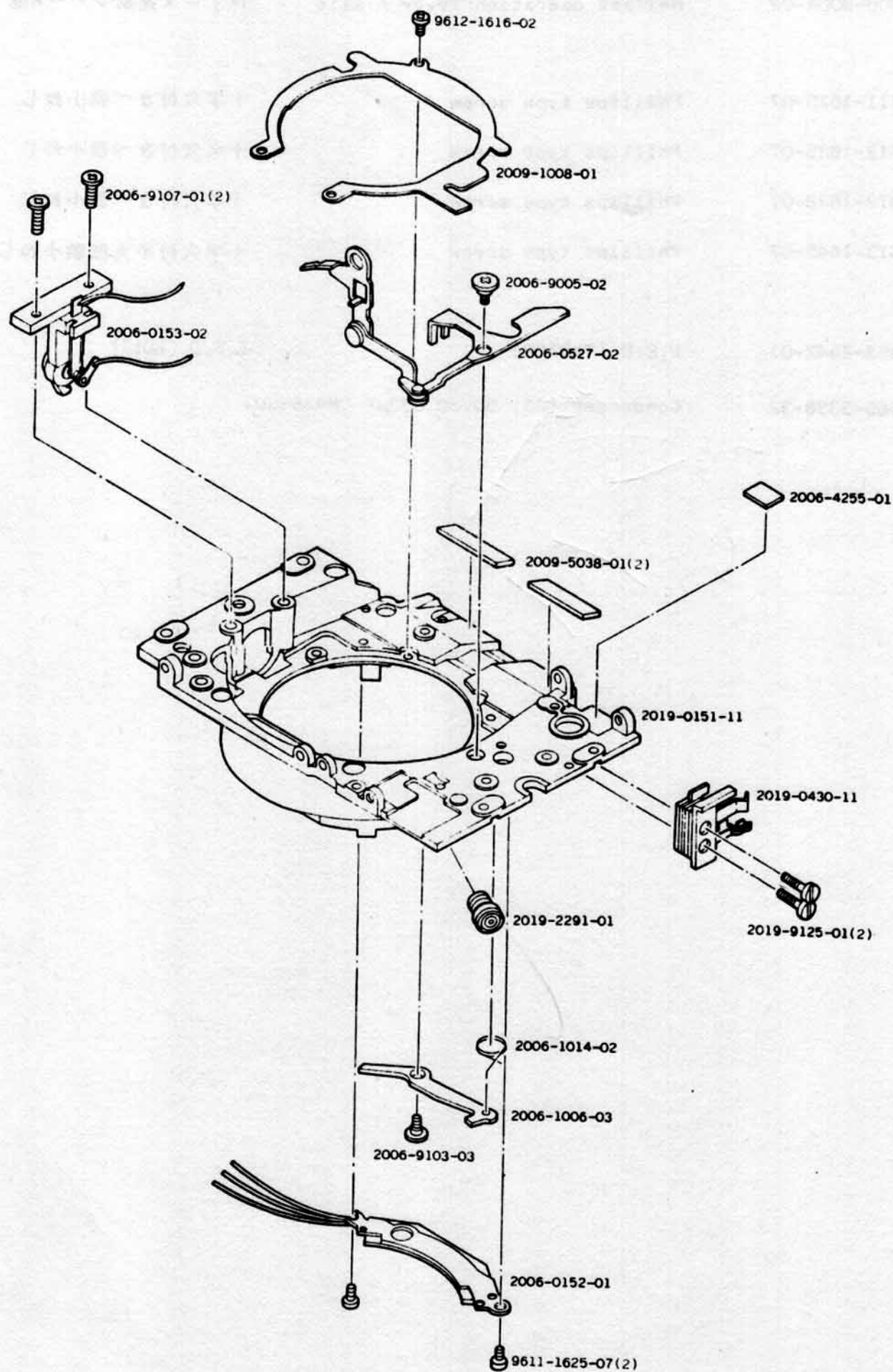
9611-1625-07(3)

(H)

(K)



| Part No.     | Part Name                                  | Qty. |
|--------------|--------------------------------------------|------|
| 2019-0580-11 | Magnetic release base plate set            | 1    |
|              | レリ-ズマグネット台板                                |      |
| 2006-9004-02 | Release operation lever A axis             | 1    |
|              | レリ-ズ連結レバーA軸                                |      |
| 9611-1625-07 | Phillips type screw                        | 3    |
|              | 十字穴付なべ頭小ねじ                                 |      |
| 9612-1625-07 | Phillips type screw                        | 3    |
|              | 十字穴付なべ頭小ねじ                                 |      |
| 9612-1628-07 | Phillips type screw                        | 2    |
|              | 十字穴付なべ頭小ねじ                                 |      |
| 9613-1645-07 | Phillips type screw                        | 1    |
|              | 十字穴付半丸皿頭小ねじ                                |      |
| 9353-2642-01 | L.E.D (TLR108)                             | 1    |
|              | L.E.D (LD13)                               |      |
| 9565-3338-32 | Condenser (C3; 50V/O.033 $\mu$ F CR426YSU) | 1    |



| Part No.     | Part Name                     |              | Qty. |
|--------------|-------------------------------|--------------|------|
| 2019-0151-11 | Front base plate set          | 前枠セット        | 1    |
| 2006-0152-01 | Circuit base plate-B          | 回路基板B セット    | 1    |
| 2006-0153-02 | Remote control base plate set | リモコン接片基板セット  | 1    |
| 2019-0430-11 | Self-timer switch set         | セルフSW セット    | 1    |
| 2006-0527-02 | Release operation lever set   | リリース連結レバーセット | 1    |
| 2006-1006-03 | Lens lock lever               | レンズロックレバー    | 1    |
| 2009-1008-01 | Mirror box light shield plate | ミラーボックス遮光板   | 1    |
| 2006-1014-02 | Lock lever spring             | ロックレバーSP     | 1    |
| 2019-2291-01 | Synchro terminal              | シンクロターミナル    | 1    |
| 2006-4255-01 | Tape A (3.8X8)                | テープ A        | 1    |
| 2009-5038-01 | Penta. front packing          | ペンタ前面押えクッション | 2    |
| 2006-9005-02 | Screw                         | 止めねじ         | 1    |
| 2006-9103-03 | Lens lock axis                | レンズロック軸      | 1    |
| 2006-9107-01 | Screw                         | 止めねじ         | 2    |
| 2019-9125-01 | Screw                         | セルフSW止めねじ    | 2    |
| 9611-1625-07 | Phillips type screw           | 十字穴付なべ頭小ねじ   | 2    |
| 9612-1616-02 | Phillips type screw           | 十字穴付なべ頭小ねじ   | 1    |

2009-0532-11

9721-0150-13 (2)

2009-5051-01

9721-0150-13

2019-0531-11

9792-2050-40

2006-5044-04

2019-0524-11

2006-5042-04

9792-2140-40

9793-2140-40

9721-0150-13

2009-5058-81

2009-0542-81

2006-0523-02

9721-0150-13

2009-5073-02

2006-5046-01

2009-5074-02  
(2)

2009-9015-03

2006-0522-03

2009-0572-11

9793-1640-40

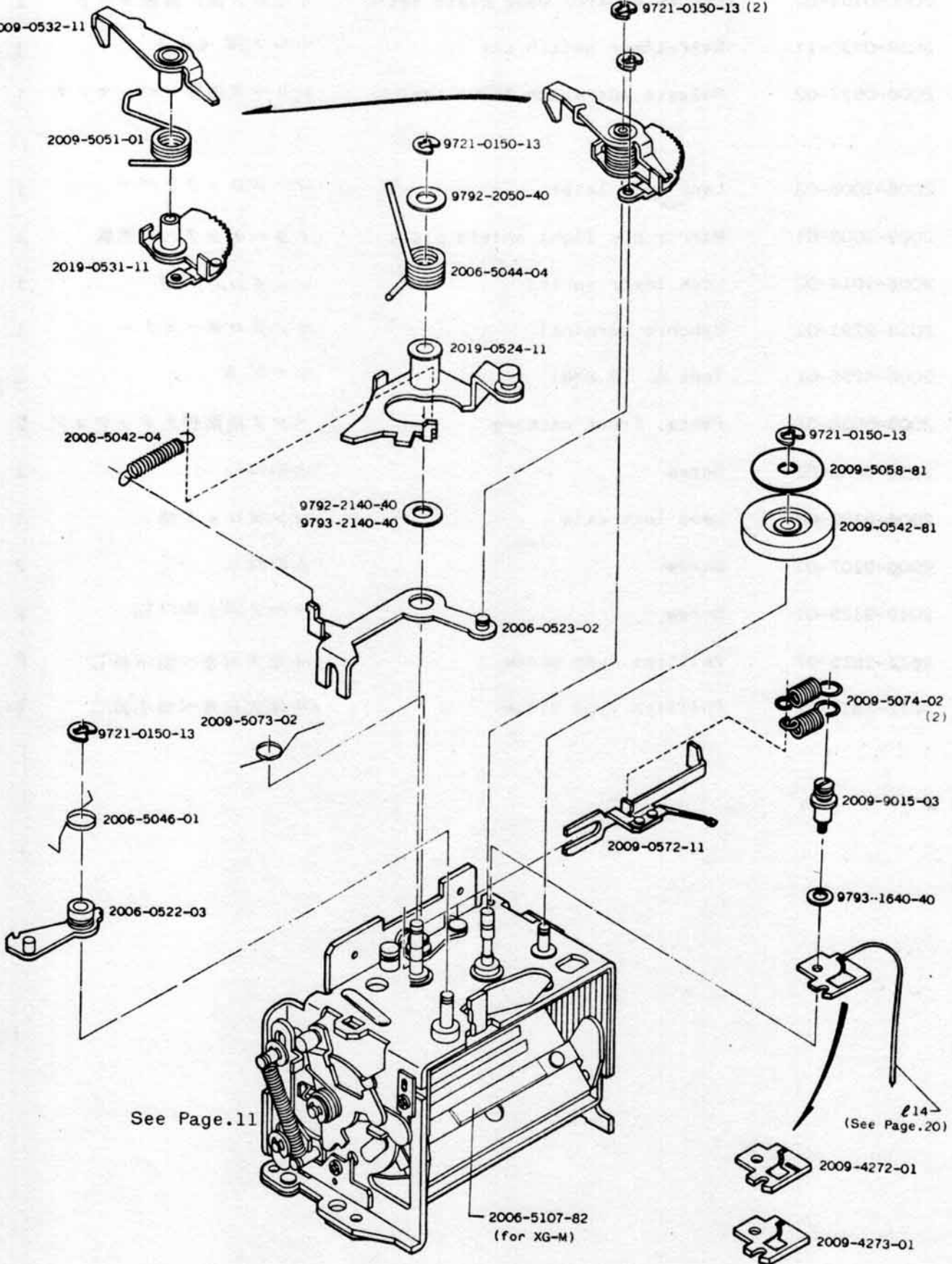
See Page.11

2006-5107-82  
(for XG-M)

14  
(See Page.20)

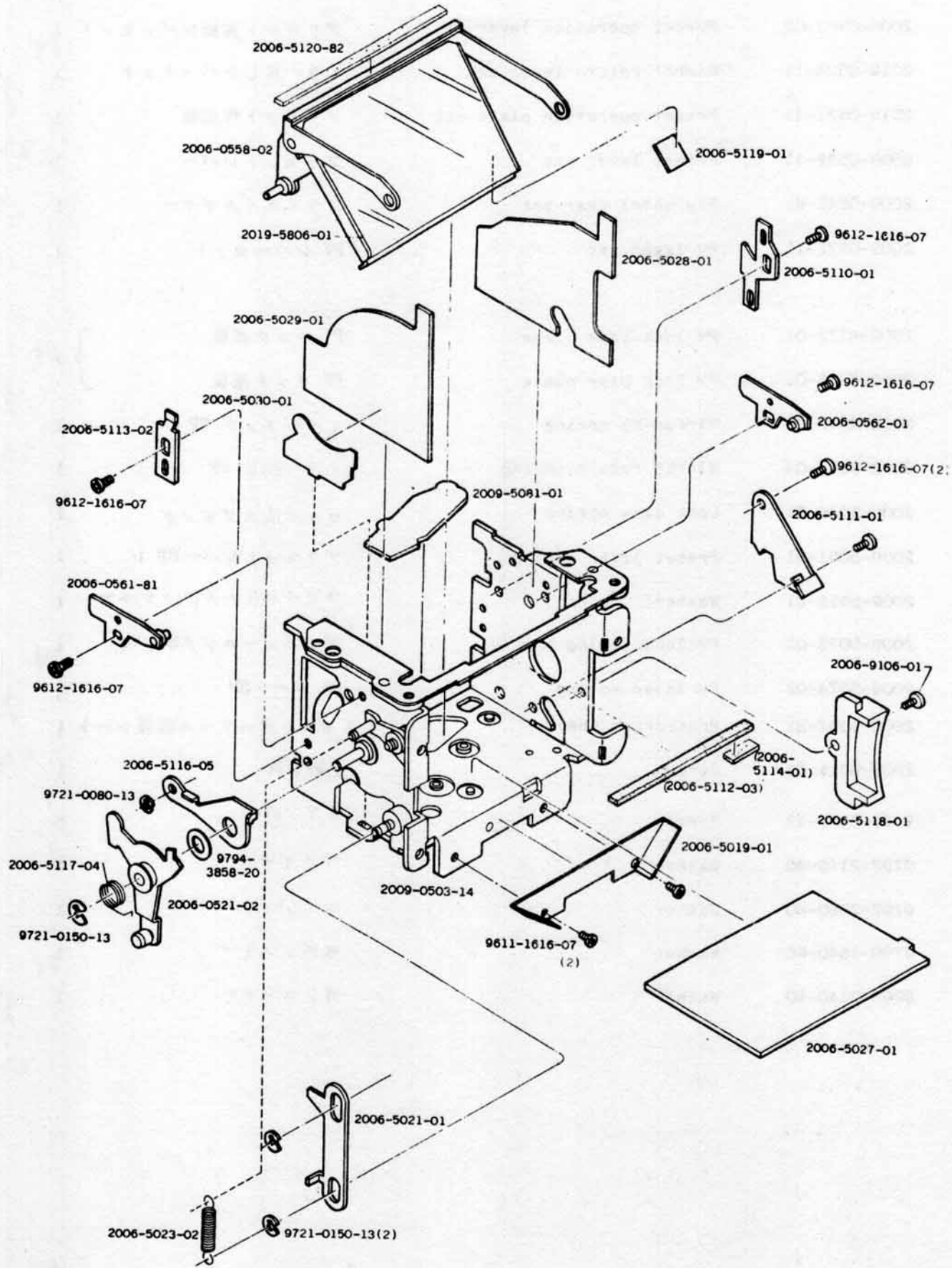
2009-4272-01

2009-4273-01



| Part No.     | Part Name                                        | Qty.              |
|--------------|--------------------------------------------------|-------------------|
| 2006-0522-03 | Mirror return lever lock claw setミラー戻しレバーロック爪セット | 1                 |
| 2006-0523-02 | Preset operation lever set                       | プリセット連動レバーセット 1   |
| 2019-0524-11 | Mirror return lever set                          | ミラー戻しレバーセット 1     |
| 2019-0531-11 | Preset operation plate set                       | プリセット作動板 1        |
| 2009-0532-11 | Preset lever set                                 | プリセットレバー 1        |
| 2009-0542-81 | Fly wheel gear set                               | フライホイールギヤー 1      |
| 2009-0572-11 | PV lever set                                     | PV レバーセット 1       |
| 2009-4272-01 | PV lock base plate                               | PV ロック基板 } 1      |
| 2009-4273-01 | PV lock base plate                               |                   |
| 2006-5042-04 | Mirror-up spring                                 | ミラーアップ SP 1       |
| 2006-5044-04 | Mirror return spring                             | ミラー戻し SP 1        |
| 2006-5046-01 | Lock claw spring                                 | ロック爪スプリング 1       |
| 2009-5051-01 | Preset lever spring                              | プリセットレバーSP 1      |
| 2009-5058-81 | Washer                                           | フライホイールワッシャー 1    |
| 2009-5073-02 | PV lock spring                                   | プレビューロックSP 1      |
| 2009-5074-02 | PV lever spring                                  | PV レバーSP 2        |
| 2006-5107-82 | Protection sheet                                 | ミラーホルダーアーム保護シート 1 |
| 2009-9015-03 | Screw                                            | 止めビス 1            |
| 9721-0150-13 | E-ring                                           | E リング 5           |
| 9792-2140-40 | Washer                                           | 薄ワッシャー 1          |
| 9792-2050-40 | Washer                                           | 薄ワッシャー 1          |
| 9793-1640-40 | Washer                                           | 薄ワッシャー 1          |
| 9793-2140-40 | Washer                                           | 薄ワッシャー 1          |





| Part No.       | Part Name                         |                       | Qty. |
|----------------|-----------------------------------|-----------------------|------|
| 2009-0503-14   | Mirror box set                    | ミラーボックスセット            | 1    |
| (2006-5112-03) | Mirror cushion                    | ミラークッション              | 1    |
| (2006-5114-01) | Mirror cushion-B                  | ミラークッションB             | 1    |
| 2006-0521-02   | Mirror operation lever-set        | ミラー操作レバーセット           | 1    |
| 2006-0558-02   | Mirror holder set                 | ミラーホルダーセット            | 1    |
| 2006-0561-81   | Operation lever-B base set(Right) | ミラー操作レバB軸台セット<br>(右)  | 1    |
| 2006-0562-01   | Operation lever-B base set(Left)  | ミラー操作レバーB軸台セット<br>(左) | 1    |
| 2006-5019-01   | Mirror box apron                  | ミラーボックスエプロン           | 1    |
| 2006-5021-01   | Mirror release lever              | ミラーリリースレバー            | 1    |
| 2006-5023-02   | Mirror release lever spring       | ミラーリリースレバーSP          | 1    |
| 2006-5027-01   | Flare shield plate(bottom)        | フレア防止シート (下)          | 1    |
| 2006-5028-01   | Flare shield plate(Left side)     | フレア防止シート (左)          | 1    |
| 2006-5029-01   | Flare shield plate (Right side)   | フレア防止シート (右)          | 1    |
| 2006-5030-01   | Flare shield support plate        | フレア防止シート補助板           | 1    |
| 2009-5081-01   | Mirror box cover                  | ミラーボックス穴カバー           | 1    |
| 2006-5110-01   | Mirror support stopper-A          | ミラー補助ストッパーA           | 1    |
| 2006-5111-01   | Mirror stopper                    | ミラーストッパー              | 1    |
| 2006-5113-02   | Mirror support stopper-B          | ミラー補助ストッパーB           | 1    |
| 2006-5116-05   | Mirror operation lever-B          | ミラー作動レバー              | 1    |
| 2006-5117-04   | Mirror operation lever spring     | ミラー操作レバーSP            | 1    |
| 2006-5118-01   | Mirror box light shield plate     | ミラーボックス遮光片            | 1    |
| 2006-5119-01   | Mirror stopper gum                | ミラーストッパーゴム            | 1    |
| 2006-5120-82   | Mirror arm cushion                | ミラーアームクッション           | 1    |
| 2019-5806-01   | Mirror                            | ミラー                   | 1    |
| 2006-9106-01   | Screw                             | 止めビス                  | 1    |
| 9611-1616-07   | Phillips type screw               | 十字穴付なべ頭小ねじ            | 2    |
| 9612-1616-07   | Phillips type screw               | 十字穴付なべ頭小ねじ            | 6    |
| 9721-0080-13   | E-ring                            | Eリング                  | 1    |
| 9721-0150-13   | E-ring                            | Eリング                  | 3    |
| 9794-3858-20   | Washer                            | 薄ワッシャー                | 1    |

( 9613-1418-01 )

2006-0385-01

9761-2055-07  
( 3 )



9762-1745-02 ( 2 )

2019-3407-01

2019-0381-11

2006-3404-02

2006-3414-07

9721-0120-13

2006-3408-05

2006-3410-03

2006-3411-04

9792-1628-40

2019-0384-11

2006-3412-03

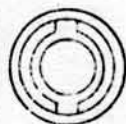
| Part No.       | Part Name                    |                  | Qty. |
|----------------|------------------------------|------------------|------|
| 2019-0381-11   | Counter dial set             | カウンターダイヤルセット     | 1    |
| 2019-0384-11   | Winding base plate-B set     | 巻取台板Bセット         | 1    |
| 2006-0385-01   | Film indication lever set    | フィルム表示レバーセット     | 1    |
| (9613-1418-01) | Phillips type screw          | 十字穴付半丸皿頭小ねじ      | 1    |
| 2006-3404-02   | Counter return spring        | カウンター戻しSP        | 1    |
| 2019-3407-01   | Counter index                | カウンター指標          | 1    |
| 2006-3408-05   | Counter operation lever set  | カウンター駆動操作レバー     | 1    |
| 2006-3410-03   | Counter operation gear-B set | カウンター駆動ギヤー       | 1    |
| 2006-3411-04   | Counter operation gear-C set | カウンター伝達ギヤー       | 1    |
| 2006-3412-03   | Counter operation gear-A set | カウンター連結ギヤー       | 1    |
| 2006-3414-07   | Return lever spring          | ゼロリターンSP         | 1    |
| 9761-2055-07   | Tap tite screw               | 十字穴付なべ頭タップタイトねじ3 |      |
| 9762-1745-02   | Tap tite screw               | 十字穴付なべ頭小ねじ       | 2    |
| 9721-0120-13   | E-ring                       | E リング            | 1    |
| 9792-1628-40   | Washer                       | 薄ワッシャー           | 1    |

■ Use each part in combination  
(2006-0325-12 and 2006-3042-01,  
2006-0325-13 and 2006-3042-03).

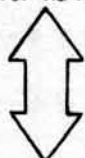
■ それぞれペアで使用して下さい。

2006-3042-01

2006-0325-12



(for XG-M)



2006-3042-03

2006-0325-13

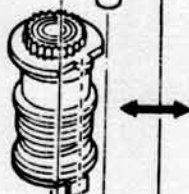


(for XG-M & X-70)



2006-0325-12

2006-0325-13



9611-2090-07

9761-2040-07 (2)

2006-3055-02

2006-3053-02

2006-9106-01

2006-3415-03

2019-3416-05

2006-3052-03

2006-3032-01

2006-0338-02

2006-3037-02

9721-0200-03

2006-3042-01

or

2006-3042-03

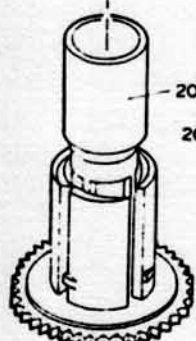
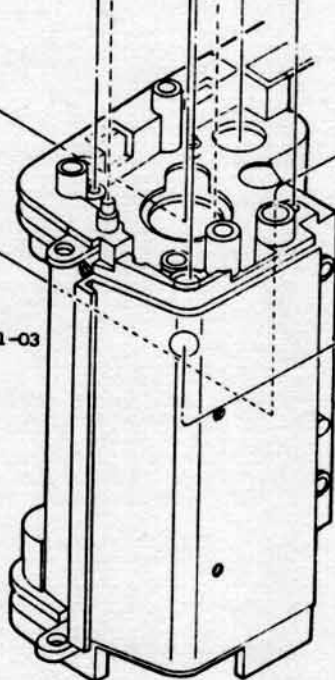
2006-3421-03

2006-1020-01

2019-0302-11

0031-1027-02

0031-1034-03

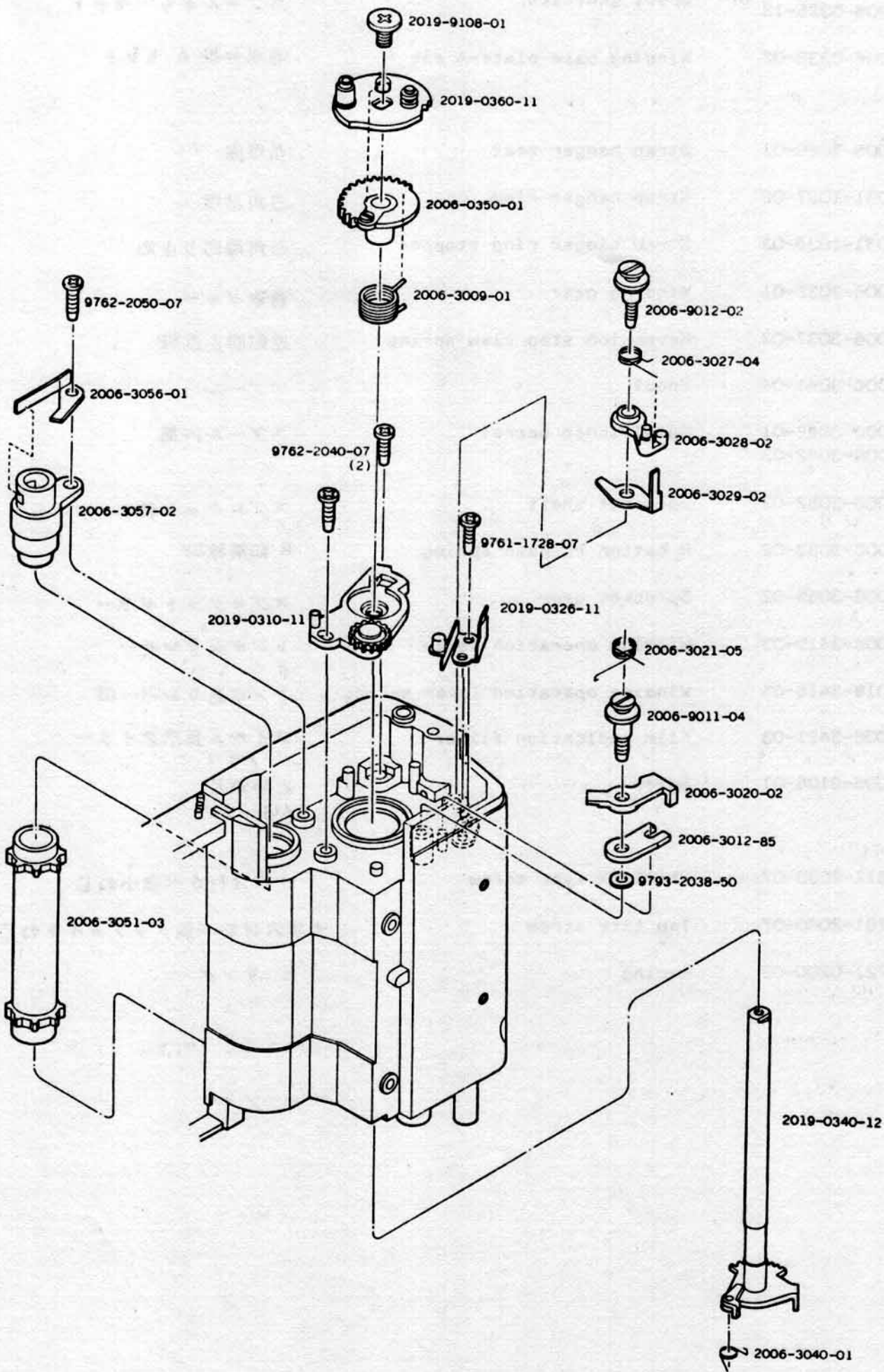


2006-3041-04

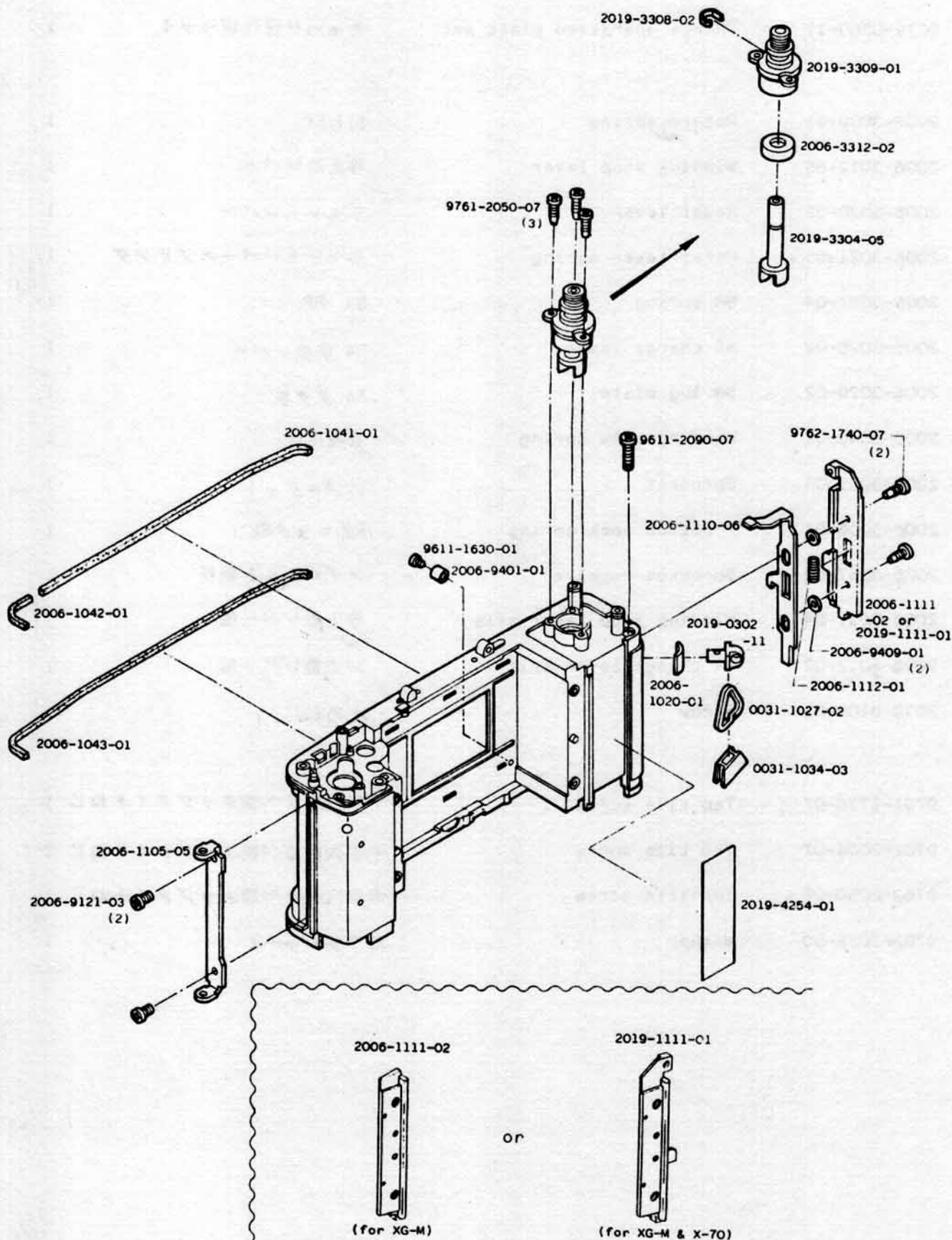




| Part No.                     | Part Name                      |                 | Qty |
|------------------------------|--------------------------------|-----------------|-----|
| 2019-0302-11                 | Strap hanger set               | 吊環セット           | 1   |
| 2006-0325-12<br>2006-0325-13 | or Spool gear set              | スプールギヤーセット      | 1   |
| 2006-0338-02                 | Winding base plate-A set       | 巻取台板 A セット      | 1   |
| 2006-1020-01                 | Strap hanger seat              | 吊環座             | 1   |
| 0031-1027-02                 | Strap hanger ring              | 三角吊環            | 1   |
| 0031-1034-03                 | Strap hanger ring stopper      | 三角環回り止め         | 1   |
| 2006-3032-01                 | Winding gear                   | 巻取ギヤー           | 1   |
| 2006-3037-02                 | Reversion stop claw spring     | 逆転防止爪SP         | 1   |
| 2006-3041-04                 | Spool                          | スプール            | 1   |
| 2006-3042-01<br>2006-3042-03 | or Spool inner barrel          | スプール内筒          | 1   |
| 2006-3052-03                 | Sprocket shaft                 | スプロケット軸         | 1   |
| 2006-3053-02                 | R button release spring        | R 釦解除SP         | 1   |
| 2006-3055-02                 | Sprocket gear                  | スプロケットギヤー       | 1   |
| 2006-3415-03                 | Winding operation lever        | トンボ返りレバー        | 1   |
| 2019-3416-05                 | Winding operation lever spring | トンボ返りレバーSP      | 1   |
| 2006-3421-03                 | Film indication filler         | フィルム表示ファイラー     | 1   |
| 2006-9106-01                 | Screw                          | 止めねじ            | 1   |
| 9611-2090-07                 | Phillips type screw            | 十字穴付なべ頭小ねじ      | 1   |
| 9761-2040-07                 | Tap tite screw                 | 十字穴付なべ頭タップタイトねじ | 2   |
| 9721-0200-03                 | E-ring                         | E リング           | 1   |



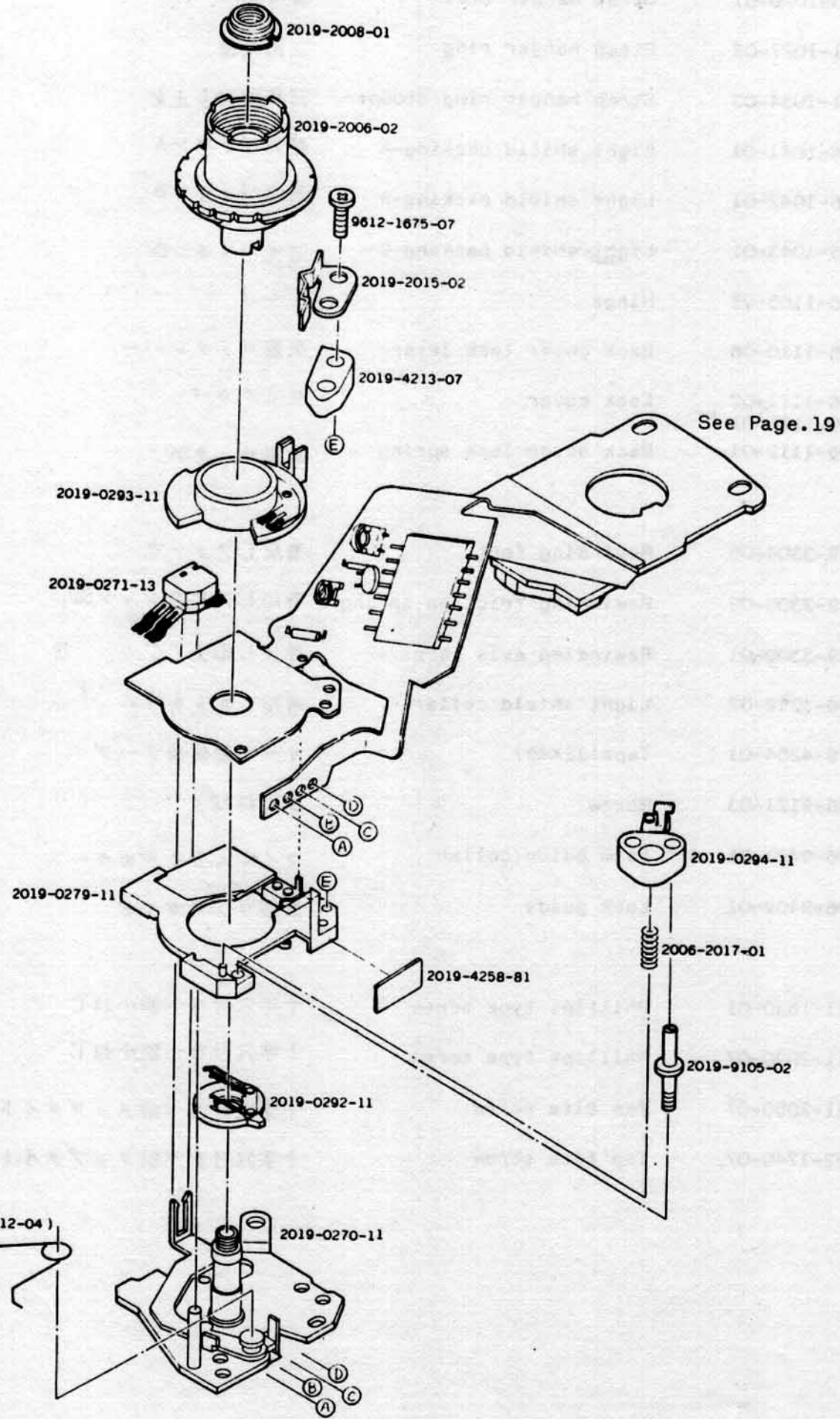
| Part No.     | Part Name                   |                 | Qty |
|--------------|-----------------------------|-----------------|-----|
| 2019-0310-11 | Winding axis receiver set   | 巻取軸受セット         | 1   |
| 2019-0326-11 | S4 contact set              | S4 接片セット        | 1   |
| 2019-0340-12 | Winding operation plate set | 巻取操作板セット        | 1   |
| 2006-0350-01 | Shutter charge gear-D set   | シャッターチャージギヤーセット | 1   |
| 2019-0360-11 | Charge operation plate set  | チャージ操作板セット      | 1   |
| 2006-3009-01 | Return spring               | 戻しSP            | 1   |
| 2006-3012-85 | Winding stop lever          | 巻止めレバー          | 1   |
| 2006-3020-02 | Reset lever                 | リセットレバー         | 1   |
| 2006-3021-05 | Reset lever spring          | リセットレバースプリング    | 1   |
| 2006-3027-04 | S4 spring                   | S4 SP           | 1   |
| 2006-3028-02 | S4 charge lever             | S4 切換レバー        | 1   |
| 2006-3029-02 | S4 lug plate                | S4 ラグ板          | 1   |
| 2006-3040-01 | Winding calw spring         | 巻取爪SP           | 1   |
| 2006-3051-03 | Sprocket                    | スプロケット          | 1   |
| 2006-3056-01 | R button lock spring        | R釦ロックSP         | 1   |
| 2006-3057-02 | Sprocket receiver           | スプロケット軸受        | 1   |
| 2006-9011-04 | Winding stop lever axis     | 巻止めレバー軸         | 1   |
| 2006-9012-02 | S4 change lever axis        | S4切換レバー軸        | 1   |
| 2019-9108-01 | Screw                       | 止めねじ            | 1   |
| 9761-1728-07 | Tap tite screw              | 十字穴付なべ頭タップタイトねじ | 1   |
| 9762-2004-07 | Tap tite screw              | 十字穴付なべ頭タップタイトねじ | 2   |
| 9762-2050-07 | Tap tite screw              | 十字穴付なべ頭タップタイトねじ | 1   |
| 9793-2038-50 | Washer                      | 薄ワッシャー          | 1   |



- 2019-1111-01 Should be used on the top cover with a screw-hole.
- 上カバーにビス穴が付いている物には2019-1111-01を使用して下さい。

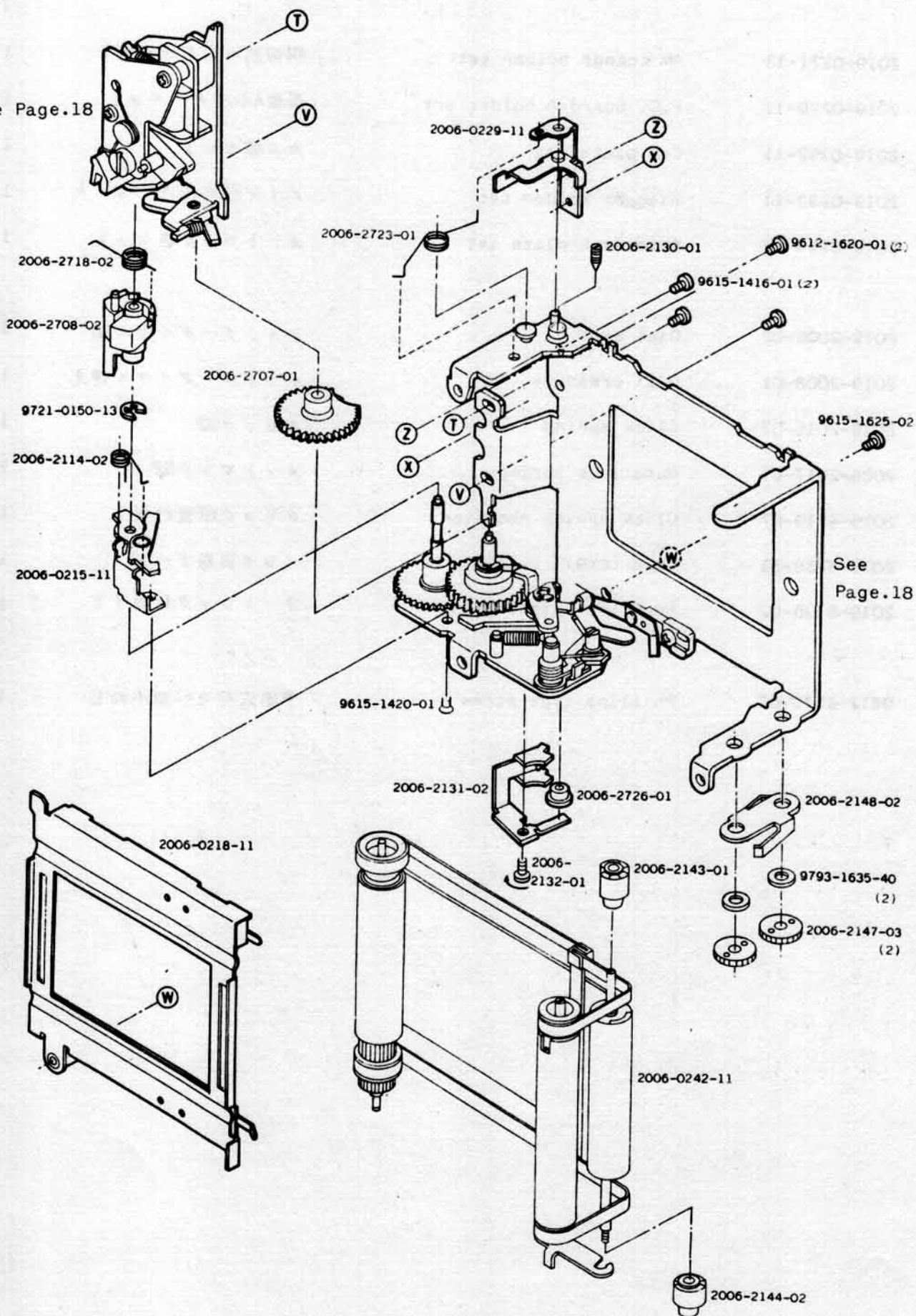
| Part No.                        | Part Name                 |                 | Qty. |
|---------------------------------|---------------------------|-----------------|------|
| 2019-0302-11                    | Strap hanger set          | 吊環セット           | 1    |
| 2006-1020-01                    | Strap hanger seat         | 吊環座             | 1    |
| 0031-1027-02                    | Strap hanger ring         | 三角吊環            | 1    |
| 0031-1034-03                    | Strap hanger ring stopper | 三角環回り止め         | 1    |
| 2006-1041-01                    | Light shield packing-A    | 遮光パッキンA         | 1    |
| 2006-1042-01                    | Light shield packing-B    | 遮光パッキンB         | 1    |
| 2006-1043-01                    | Light shield packing-C    | 遮光パッキンC         | 1    |
| 2006-1105-05                    | Hinge                     | ヒンジ             | 1    |
| 2006-1110-06                    | Back cover lock lever     | 裏蓋ロックレバー        | 1    |
| 2006-1111-02<br>2019-1111-01 or | Lock cover                | ロックカバー          | 1    |
| 2006-1112-01                    | Back ocver lock spring    | 裏蓋ロックSP         | 1    |
| 2019-3304-05                    | Rewinding fork            | 巻戻しフオーク         | 1    |
| 2019-3308-02                    | Rewinding friction spring | 巻戻しフリクションSP     | 1    |
| 2019-3309-01                    | Rewinding axis receiver   | 巻戻し軸受           | 1    |
| 2006-3312-02                    | Light shield collar       | 巻戻し遮光カラー        | 1    |
| 2019-4254-01                    | Tape(12X45)               | リード線接着テープ       | 1    |
| 2006-9121-03                    | Screw                     | 止めねじ            | 2    |
| 2006-9401-01                    | Film guide collar         | フィルムガイドカラー      | 1    |
| 2006-9409-01                    | Lock guide                | 裏蓋ロックガイド        | 2    |
| 9611-1630-01                    | Phillips type screw       | 十字穴付なべ頭小ねじ      | 1    |
| 9611-2090-07                    | Phillips type screw       | 十字穴付なべ頭小ねじ      | 3    |
| 9761-2050-07                    | Tap tite screw            | 十字穴付なべ頭タップタイトねじ | 3    |
| 9762-1740-07                    | Tap tite screw            | 十字穴付なべ頭タップタイトねじ | 2    |





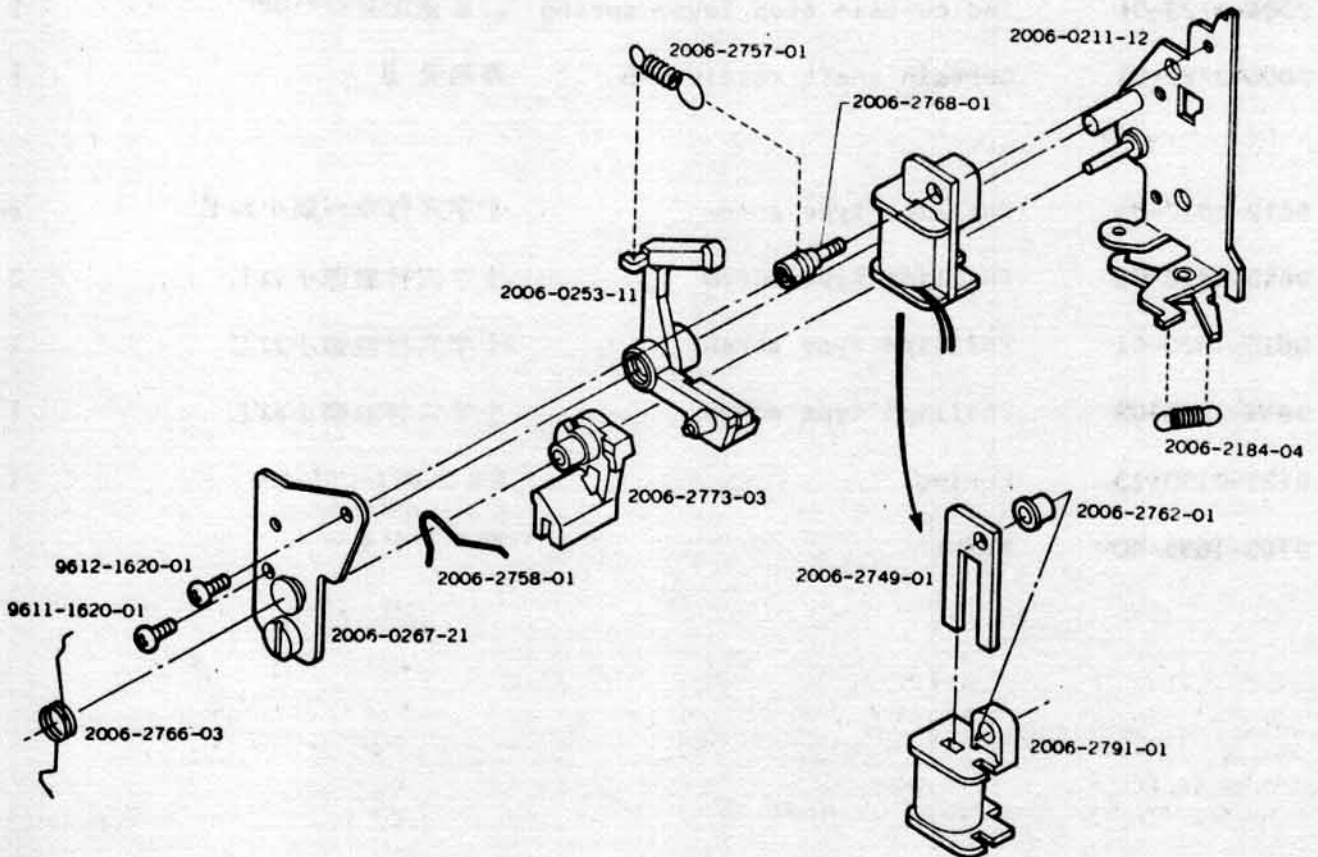
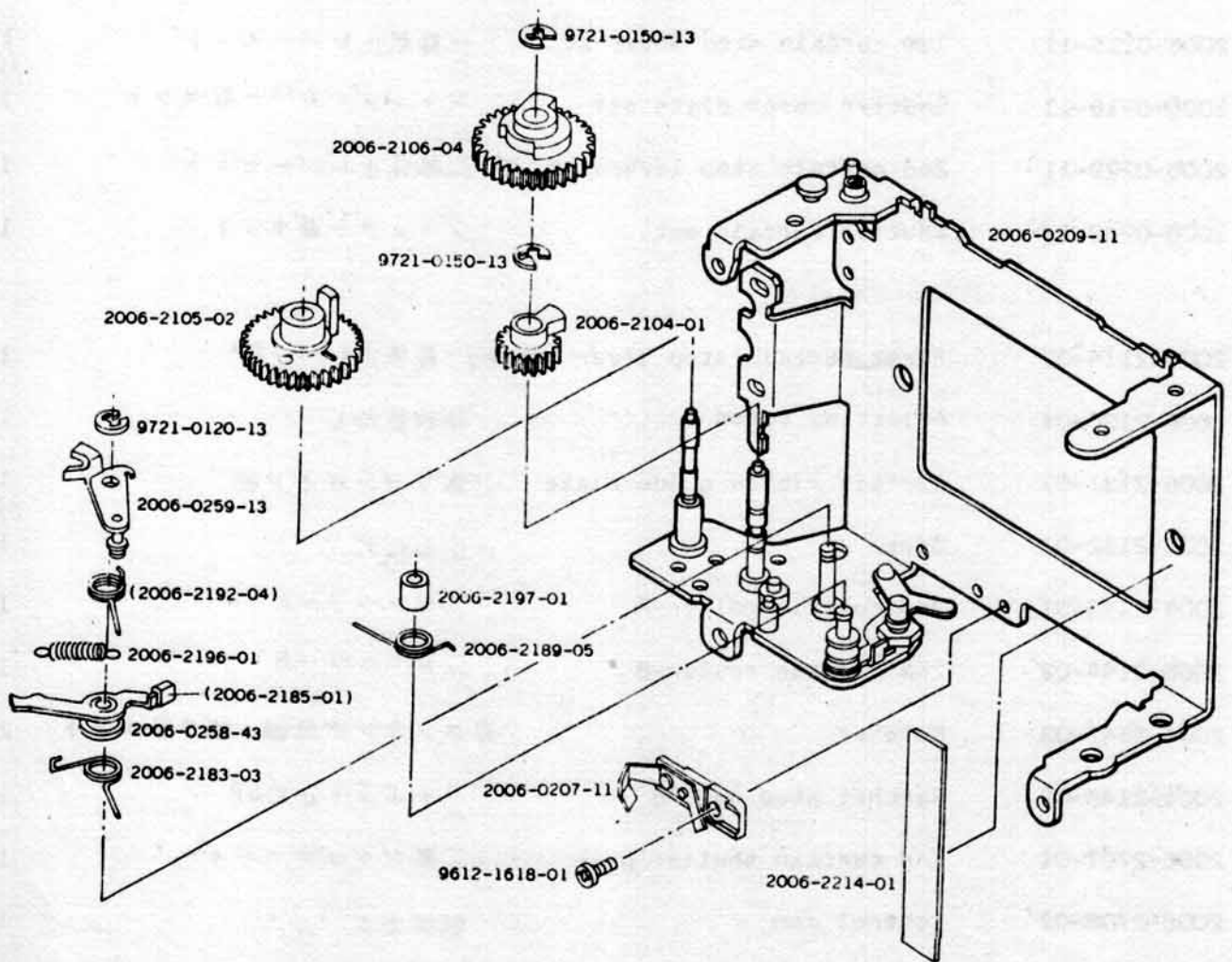
| Part No.       | Part Name                         |                | Qty. |
|----------------|-----------------------------------|----------------|------|
| 2019-0270-11   | Shutter speed dial base plate set | シャッターダイヤル台板セット | 1    |
| (2006-2012-04) | AM change spring                  | AM切換SP         | 1    |
| 2019-0271-13   | AM change holder set              | AM切換ホルダーセット    | 1    |
| 2019-0279-11   | P.C. board-A holder set           | 基板Aホルダーセット     | 1    |
| 2019-0292-11   | Cam plate set                     | カム板セット         | 1    |
| 2019-0293-11   | Main SW holder set                | メインSWホルダーセット   | 1    |
| 2019-0294-11   | Auto lock plate set               | オートロック板セット     | 1    |
| 2019-2006-02   | Dial axis                         | シャッターダイヤル軸     | 1    |
| 2019-2008-01   | Dial pressure                     | シャッターダイヤル押え    | 1    |
| 2019-2015-02   | Click spring                      | クリックSP         | 1    |
| 2006-2017-01   | Auto lock spring                  | オートロックSP       | 1    |
| 2019-4213-07   | Click spring receiver             | クリックSP受け板      | 1    |
| 2019-4258-81   | Tape (6X9)                        | フレキ接着テープ       | 1    |
| 2019-9105-02   | Auto lock plate guide             | オートロック板ガイド     | 1    |
| 9612-1675-07   | Phillips type screw               | 十字穴付なべ頭小ねじ     | 1    |

See Page.18



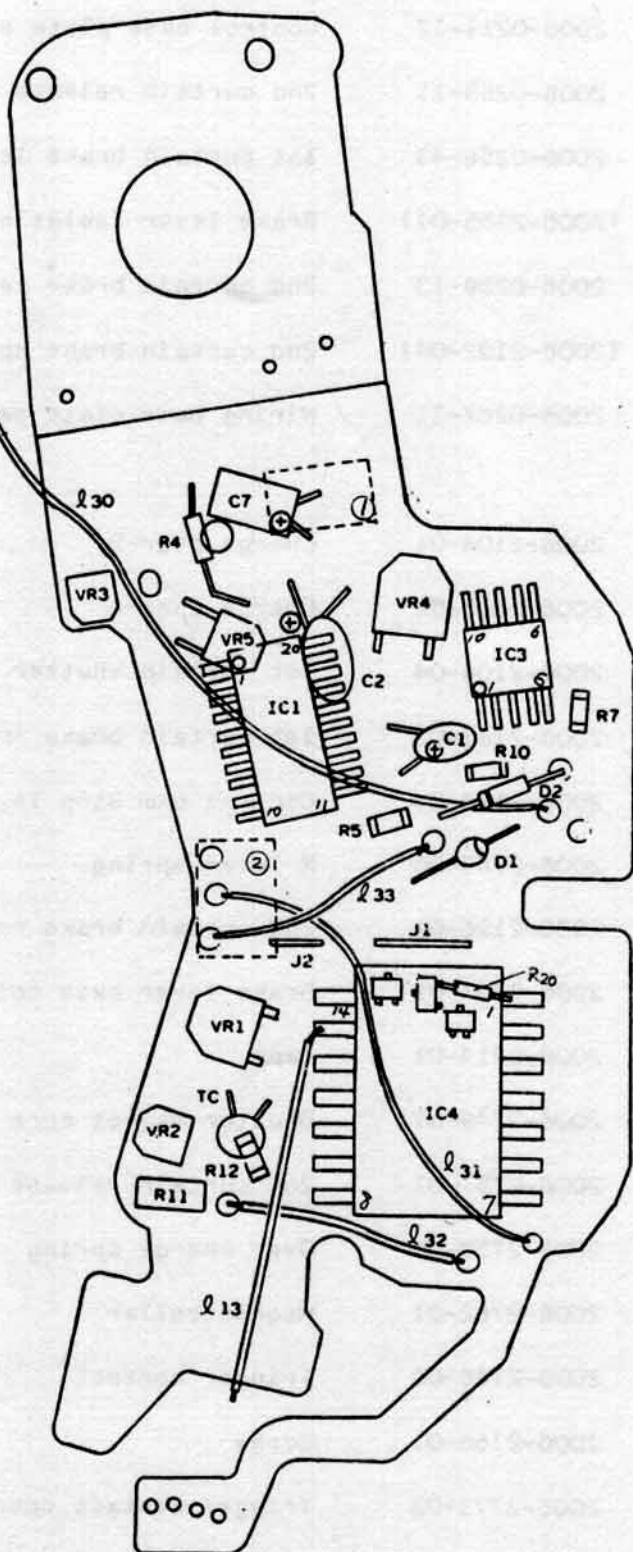
| Part No.     | Part Name                       |                 | Qty. |
|--------------|---------------------------------|-----------------|------|
| 2006-0222-11 | Shutter block                   | シャッターブロック       | 1    |
| 2006-0215-11 | 1st curtain stop lever set      | 一幕係止レバーセット      | 1    |
| 2006-0218-11 | Shutter cover plate set         | シャッターカバー板セット    | 1    |
| 2006-0229-11 | 2nd curtain stop lever set      | 二幕係止レバーセット      | 1    |
| 2006-0242-11 | Shutter curtain set             | シャッター幕セット       | 1    |
| 2006-2114-02 | First curtain stop lever spring | 一幕係止レバーSP       | 1    |
| 2006-2130-01 | Adjusting screw                 | 幕調整ねじ           | 1    |
| 2006-2131-02 | Curtain ribbon guide plate      | 幕リボンガイド板        | 1    |
| 2006-2132-01 | Screw                           | 止めねじ            | 1    |
| 2006-2143-01 | 2nd curtain roller-A            | 二幕ローラーA         | 1    |
| 2006-2144-02 | 2nd curtain roller-B            | 二幕ローラーB         | 1    |
| 2006-2147-03 | Ratchet                         | 幕スプリング筒軸止めラチェット | 2    |
| 2006-2148-02 | Ratchet stop spring             | ラチェット止めSP       | 1    |
| 2006-2707-01 | 2nd curtain shutter gear        | 二幕シャッターギヤー      | 1    |
| 2006-2708-02 | Control cam                     | 制御カム            | 1    |
| 2006-2718-02 | Control cam operation spring    | 制御カム駆動SP        | 1    |
| 2006-2723-01 | 2nd curtain stop lever spring   | 二幕係止レバーSP       | 1    |
| 2006-2726-01 | Curtain shaft receiver-B        | 幕軸受 B           | 1    |
| 9612-1620-01 | Phillips type screw             | 十字穴付なべ頭小ねじ      | 2    |
| 9615-1416-01 | Phillips type screw             | 十字穴付皿頭小ねじ       | 2    |
| 9615-1420-01 | Phillips type screw             | 十字穴付皿頭小ねじ       | 1    |
| 9615-1625-02 | Phillips type screw             | 十字穴付皿頭小ねじ       | 1    |
| 9721-0150-13 | E-ring                          | Eリング            | 1    |
| 9793-1635-40 | Washer                          | 薄ワッシャー          | 2    |







| Part No.       | Part Name                        |               | Qty. |
|----------------|----------------------------------|---------------|------|
| 2006-0207-11   | X contact plate set              | X接片セット        | 1    |
| 2006-0209-11   | Shutter base plate set           | シャッター台板セット    | 1    |
| 2006-0211-12   | Control base plate set           | 制御台板セット       | 1    |
| 2006-0253-11   | 2nd curtain release lever set    | 二幕解除レバーセット    | 1    |
| 2006-0258-43   | 1st curtain brake lever set      | 一幕ブレーキレバーセット  | 1    |
| (2006-2185-01) | Brake lever isolation collar     | 一幕ブレーキ絶縁カラー   | 1    |
| 2006-0259-13   | 2nd curtain brake lever set      | 二幕ブレーキレバーセット  | 1    |
| (2006-2192-04) | 2nd curtain brake spring         | 二幕ブレーキSP      | 1    |
| 2006-0267-21   | Wiring base plate set            | Mg 配線基板セット    | 1    |
| 2006-2104-01   | Charge gear-B                    | チャージギヤーB      | 1    |
| 2006-2105-02   | Charge gear-A                    | チャージギヤーA      | 1    |
| 2006-2106-04   | 1st curtain shutter gear         | 一幕シャッターギヤー    | 1    |
| 2006-2183-03   | 1st curtain brake spring-B       | 一幕ブレーキSP B    | 1    |
| 2006-2184-04   | Control cam stop lever spring    | 制御カム係止レバーSP   | 1    |
| 2006-2189-05   | X lever spring                   | XレバーSP        | 1    |
| 2006-2196-01   | 2nd curtain brake return spring  | 二幕ブレーキ戻しSP    | 1    |
| 2006-2197-01   | Brake lever axis collar          | 二幕ブレーキ消音カラー   | 1    |
| 2006-2214-01   | Tape                             | 幕縁金保護テープ      | 1    |
| 2006-2749-01   | Shutter magnet core              | シャッターマグネット鉄芯  | 1    |
| 2006-2757-01   | 2nd curtain release lever spring | 二幕解除レバーSP     | 1    |
| 2006-2758-01   | Over charge spring               | 吸着片オーバーチャージSP | 1    |
| 2006-2762-01   | Magnet collar                    | マグネット取付カラー    | 1    |
| 2006-2766-03   | Trigger contact                  | トリガー接片        | 1    |
| 2006-2768-01   | Screw                            | 止めねじ          | 1    |
| 2006-2773-03   | Trigger contact operation lever  | トリガー接片作動レバー   | 1    |
| 2006-2791-01   | Shutter magnet bobbin            | シャッターマグネットボビン | 1    |
| 9611-1620-01   | Phillips type screw              | 十字穴付なべ頭小ねじ    | 1    |
| 9612-1618-01   | Phillips type screw              | 十字穴付なべ頭小ねじ    | 1    |
| 9612-1620-01   | Phillips type screw              | 十字穴付なべ頭小ねじ    | 1    |
| 9721-0120-13   | E-ring                           | Eリング          | 1    |
| 9721-0150-13   | E-ring                           | Eリング          | 2    |



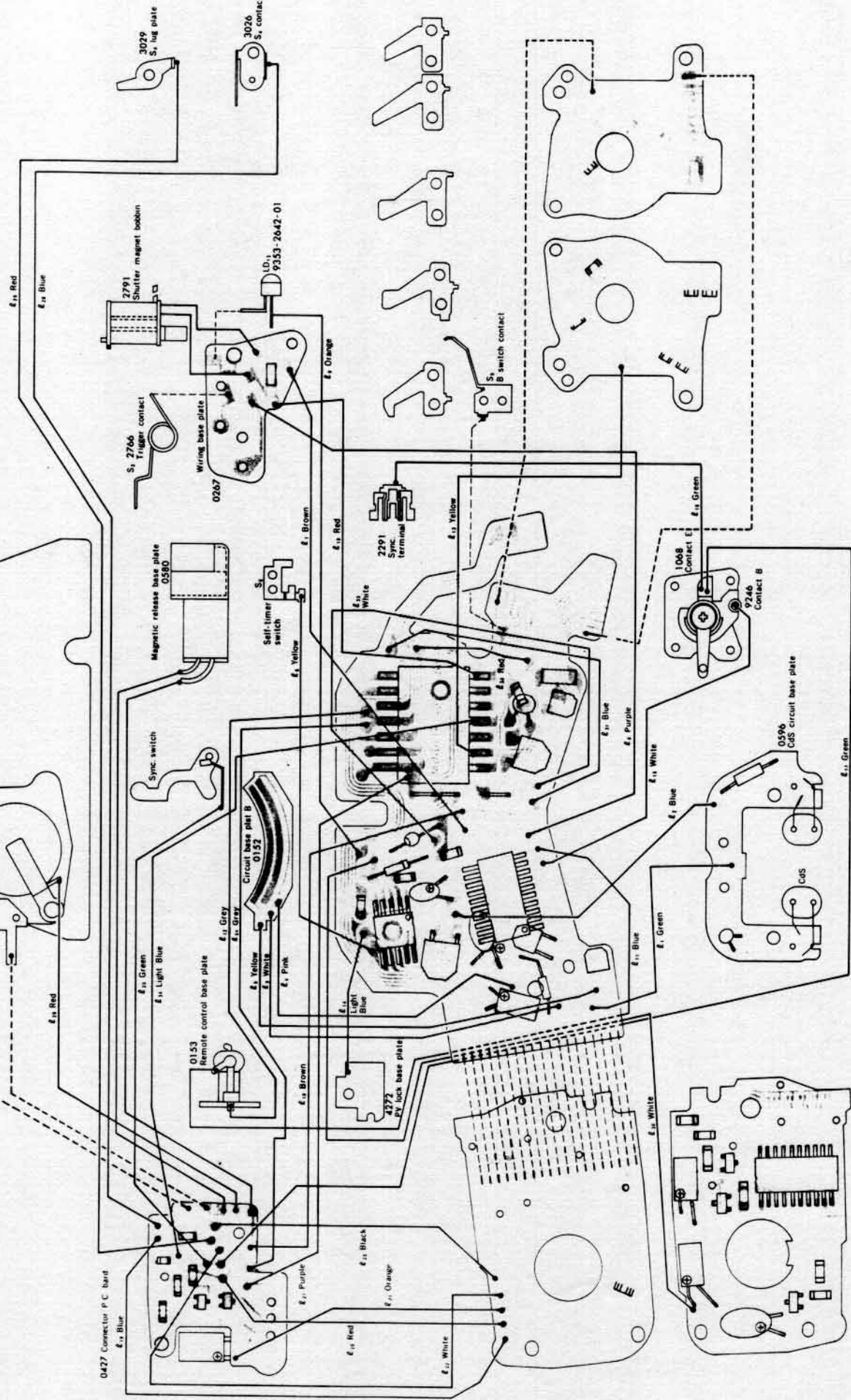
A schematic diagram of the back of the circuit board. It shows the placement of various components: R18 (resistor) at the top center; C9 (capacitor) on the left; R17 (resistor) on the left; R16 (resistor) on the right; Q4 (transistor) on the right; Q3 (transistor) in the center; Q5 (transistor) in the center; and C6 (capacitor) at the bottom center. There are also several circular holes and a rectangular cutout on the right side.

9372-2062-01(TC) Should employ 9422-3926-62 as  
the R12.  
9372-2862-03(TC) should employ 9422-4726-62 as  
the R12.

TC 9372-2062-01に対してR12は9422-3926-62を  
使用して下さい又、  
TC 9372-2862-31に対してR12は 9422-4726-62を  
使用して下さい。

| Symbol    | Part No.                     | Com   | Part Name         | Type.                                     | Qty. |
|-----------|------------------------------|-------|-------------------|-------------------------------------------|------|
| IC1       | 2006-4301-03                 |       | I C               | M51865                                    | 1    |
| - IC2     | 2006-4302-03                 |       |                   | M51866                                    | 1    |
| IC3       | 2006-4303-03                 |       |                   | M51867                                    | 1    |
| IC4       | 2019-4304-01                 |       |                   | HIC                                       | 1    |
| D1        | 9361-1631-01                 |       | Diode             | MB162                                     | 1    |
| D2        | 9361-5631-11                 |       |                   | IS953                                     | 1    |
| Q3 Q2 Q1  | 9363-1632-02                 | 03,04 | Transistor        | 2SA812                                    | 3    |
| TC        | 9372-2062-01<br>9372-2862-03 | or    | Thermistor        | 112202-02<br>112502-02                    | 1    |
| R5        | 9422-1046-62                 |       | Fixed resistor    | 1/8W, 100K $\Omega$                       | 1    |
| R6        | 9422-3046-62                 |       |                   | 1/8W, 300K $\Omega$                       | 1    |
| R7        | 9422-6806-62                 |       |                   | 1/8W, 68 $\Omega$                         | 1    |
| R8        | 9422-3916-62                 |       |                   | 1/8W, 390 $\Omega$                        | 1    |
|           | 9422-8216-62                 |       |                   | 1/8W, 820 $\Omega$                        |      |
|           | 9422-1826-62                 |       |                   | 1/8W, 1.8K $\Omega$                       |      |
|           | 9422-3326-62                 |       |                   | 1/8W, 3.3K $\Omega$                       |      |
| J3        | 2019-8443-01                 |       | Jump lead wire    | $\phi 0.4 \ell = 4$                       |      |
| R9        | 9422-3016-62                 |       | Fixed resistor    | 1/8W, 300 $\Omega$                        | 1    |
| R15 R10   | 9422-2416-62                 |       |                   | 1/8W, 240 $\Omega$                        | 2    |
| R11       | 9423-2426-63                 |       |                   | 1/4W, 2.4K $\Omega$                       | 1    |
| R12       | 9422-3926-62                 | or    |                   | 1/8W, 3.9K $\Omega$                       | 1    |
|           | 9422-4726-62                 |       |                   | 1/8W, 4.7K $\Omega$                       |      |
| R13       | 9422-3036-62                 |       |                   | 1/8W, 30K $\Omega$                        | 1    |
| R14       | 9422-1036-62                 |       |                   | 1/8W, 10K $\Omega$                        | 1    |
| R20       | 9422-2036-32                 |       |                   | 1/8W, 20K $\Omega$                        | 0-1  |
| VR5 VR1   | 9472-2039-38                 |       | Variable resistor | VG062K 20K $\Omega$                       | 2    |
| VR3 VR2   | 9472-1539-63                 |       |                   | EVM-14G 15K $\Omega$                      | 2    |
| VR4       | 9472-1529-38                 |       |                   | VG062K 1.5K $\Omega$                      | 1    |
| C1        | 9535-1555-36                 |       | Condenser         | 35V/1.5 $\mu$ F TYPE202                   | 1    |
| C2        | 9535-6845-31                 |       |                   | 35V/0.68 $\mu$ F CSI5E                    | 1    |
| C4        | 9511-2265-65                 |       |                   | 6.3V/22 $\mu$ F ECEA0JK                   | 1    |
| C5        | 9531-4765-31                 |       |                   | 3.15V/100 $\mu$ F CSI5E                   | 1    |
| C7        | 9515-2255-61                 |       |                   | 50V/2.2 $\mu$ F ECEAIHK                   | 1    |
| C8        | 9511-3365-61                 |       |                   | 6.3V/33 $\mu$ F ECEA0JK                   | 1    |
| $\ell$ 13 | 2006-8401-01                 |       | Lead wire         | Yellow<br>$\phi 0.08/7$ wires $\ell = 30$ | 1    |
| $\ell$ 30 | 2006-8409-01                 |       |                   | White<br>$\phi 0.08/7$ wires $\ell = 85$  | 1    |
| $\ell$ 31 | 2006-8403-01                 |       |                   | Blue<br>$\phi 0.08/7$ wires $\ell = 45$   | 1    |
| $\ell$ 32 | 2006-8411-01                 |       |                   | Red<br>$\phi 0.08/7$ wires $\ell = 20$    | 1    |
| $\ell$ 33 | 2006-8409-01                 |       |                   | White<br>$\phi 0.08/7$ wires $\ell = 25$  | 1    |
| J1        | 2019-8441-01                 |       |                   | $\phi 0.4 \ell = 8$                       | 1    |
| J2        | 2019-8442-01                 |       | Jump lead wire    | $\phi 0.4 \ell = 5$                       | 1    |
| ② ①       | 2019-4258-31                 |       | Isolation tape    | 6X9                                       | 2    |

| Symbol | Part No.     | Com   | Part Name                                        | Type.                    | Qty. |
|--------|--------------|-------|--------------------------------------------------|--------------------------|------|
| Q4 Q5  | 9362-1633-02 | 03,04 | Transistor                                       | 2SC1623                  | 2    |
| R16    | 9432-2258-62 |       | Fixed resistor                                   | 1/8W, 2.2M $\Omega$      | 1    |
| R17    | 9432-1558-62 |       |                                                  | 1/8W 1.5M $\Omega$       | 1    |
| R18    | 9432-3958-62 |       |                                                  | 1/8W, 3.9M $\Omega$      | 1    |
| C6     | 9511-1075-61 |       | Condenser                                        | 6.3V/100 $\mu$ F ECEA0JK | 1    |
| C9     | 9564-6824-61 |       |                                                  | 25V/6800PF CM21WR        | 1    |
| ③      | 2019-1066-02 |       | Motor drive connect<br>Holder モータードラ<br>イブ接点ホルダー |                          | 1    |





## Lead wires list

| Symbol |     |  |     | Part No.     | Color      | Type.              | Qty. |
|--------|-----|--|-----|--------------|------------|--------------------|------|
|        |     |  | ℓ1  | 2006-8417-01 | Green      | Ø0.08/7wires ℓ=35  | 1    |
|        |     |  | ℓ2  | 2006-8403-01 | Blue       | Ø0.08/7wires ℓ=55  | 1    |
| ℓ30    | ℓ15 |  | ℓ3  | 2006-8409-01 | White      | Ø0.08/7wires ℓ=85  | 3    |
|        |     |  | ℓ4  | 2006-8408-01 | Pink       | Ø0.08/7wires ℓ=85  | 1    |
|        |     |  | ℓ5  | 2006-8401-01 | Yellow     | Ø0.08/7wires ℓ=75  | 1    |
|        |     |  | ℓ6  | 2006-8401-01 | Yellow     | Ø0.08/7wires ℓ=110 | 1    |
|        |     |  | ℓ7  | 2006-8402-01 | Brown      | Ø0.08/7wires ℓ=90  | 1    |
|        |     |  | ℓ8  | 2006-8413-01 | Purple     | Ø0.08/7wires ℓ=90  | 1    |
|        |     |  | ℓ9  | 2006-8404-01 | Orange     | Ø0.08/7wires ℓ=110 | 1    |
|        |     |  | ℓ10 | 2006-8411-01 | Red        | Ø0.08/7wires ℓ=100 | 1    |
|        | ℓ19 |  | ℓ11 | 2006-8403-01 | Blue       | Ø0.08/7wires ℓ=100 | 2    |
|        |     |  | ℓ12 | 2006-8406-01 | Grey       | Ø0.08/7wires ℓ=130 | 1    |
|        |     |  | ℓ13 | 2006-8401-01 | Yellow     | Ø0.08/7wires ℓ=30  | 1    |
|        |     |  | ℓ14 | 2009-8427-01 | Light Blue | Ø0.08/7wires ℓ=145 | 1    |
|        |     |  | ℓ16 | 2006-8417-01 | Green      | Ø0.08/7wires ℓ=200 | 1    |
|        |     |  | ℓ17 | 2006-8417-01 | Green      | Ø0.08/7wires ℓ=215 | 1    |
|        |     |  | ℓ18 | 2006-8402-01 | Brown      | Ø0.08/7wires ℓ=140 | 1    |
|        |     |  | ℓ20 | 2006-8411-01 | Red        | Ø0.08/7wires ℓ=90  | 1    |
|        |     |  | ℓ21 | 2006-8404-01 | Orange     | Ø0.08/7wires ℓ=85  | 1    |
|        |     |  | ℓ22 | 2006-8409-01 | White      | Ø0.08/7wires ℓ=95  | 1    |
|        |     |  | ℓ23 | 2006-8414-01 | Black      | Ø0.08/7wires ℓ=90  | 1    |
|        |     |  | ℓ24 | 2006-8406-01 | Grey       | Ø0.08/7wires ℓ=170 | 1    |
|        |     |  | ℓ25 | 2006-8417-01 | Green      | Ø0.08/7wires ℓ=55  | 1    |
|        |     |  | ℓ26 | 2006-8411-01 | Red        | Ø0.08/7wires ℓ=25  | 1    |
|        |     |  | ℓ27 | 2006-8413-01 | Purple     | Ø0.08/7wires ℓ=160 | 1    |
|        |     |  | ℓ28 | 2006-8403-01 | Blue       | Ø0.08/7wires ℓ=140 | 1    |
|        |     |  | ℓ29 | 2006-8411-01 | Red        | Ø0.08/7wires ℓ=140 | 1    |
|        |     |  | ℓ31 | 2006-8403-01 | Blue       | Ø0.08/7wires ℓ=45  | 1    |
|        |     |  | ℓ32 | 2006-8411-01 | Red        | Ø0.08/7wires ℓ=20  | 1    |
|        |     |  | ℓ33 | 2006-8409-01 | White      | Ø0.08/7wires ℓ=25  | 1    |
|        |     |  | ℓ34 | 2009-8427-01 | Light Blue | Ø0.08/7wires ℓ=170 | 1    |
|        |     |  |     |              |            |                    |      |
|        |     |  |     |              |            |                    |      |



# REPAIR GUIDE

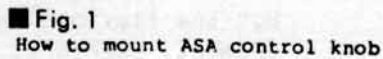
## 1. Contents of the manual

This manual refers to the following paragraph 2. Regarding the adjustment item, the difference from the XG series is only the adjustment of Manual 180mV on P3. But the flexible base plate is changed, causing alteration in position of each element, therefore, the related adjustment procedure is also mentioned in this manual.

For the adjustment of parts not mentioned, please refer to the 2006 Service Manual.

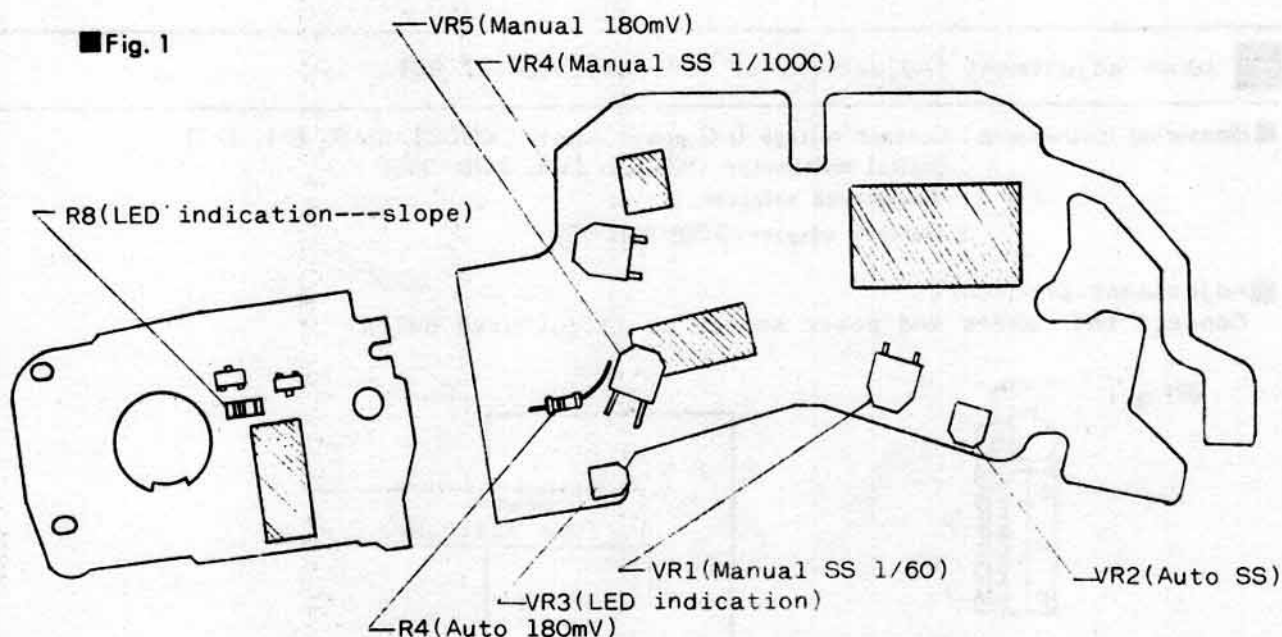
## 2. Assembly, adjustment, etc.

|                                        | Page  |
|----------------------------------------|-------|
| ■ Outer case assembly procedure-----   | 1     |
| ■ Exposure adjustment                  |       |
| 1 Manual 180mV adjustment-----         | 3     |
| 2 Auto 180mV adjustment-----           | 4     |
| 3 Manual shutter speed adjustment----- | 5     |
| 4 Auto shutter speed adjustment-----   | 5,6   |
| 5 LED indication adjustment-----       | 7     |
| ■ PV. SW timing check-----             | 8     |
| ■ F No. in-finder adjustment-----      | 8     |
| ■ Wiring diagram-----                  | 9     |
| ■ Trouble shooting chart-----          | 10-20 |



■ Adjustment of each variable resistor and fixed resistor Fig.1.

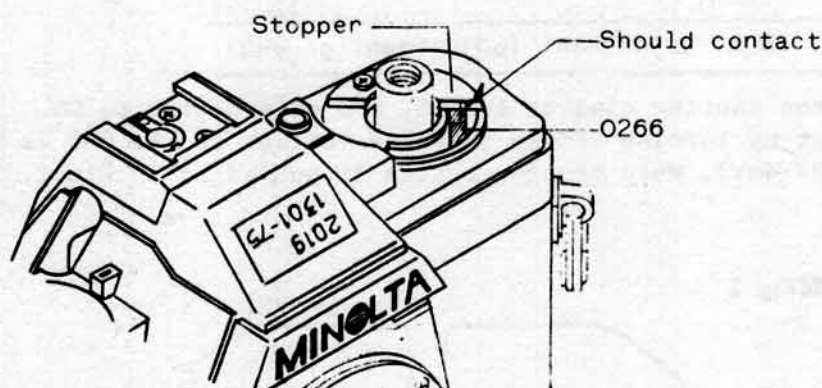
■ Fig. 1



■ ASA 100 setting method, etc.

1. When adjusting the auto shutter speed and LED indication, used the temporary top cover (2019-1301-75) and set it to ASA100, as explained below.

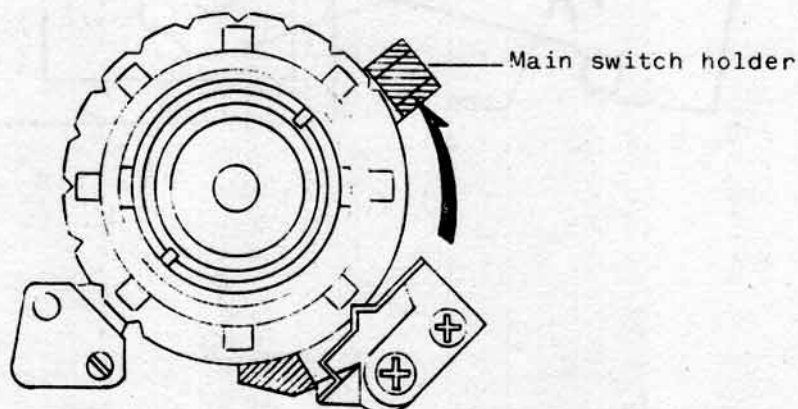
■ Fig. 2



- Turn 0266 (ASA brush holder). ASA100 is obtained when the column of 0266 touches the stopper of the temporary top cover.

2. Before adjustment, set the main switch to ON by turning 0293 (main switch holder) in the direction of the arrow below.

■ Fig. 3



## Measurement of Cds resistance and selection of R1,R2.

— Refer to 2006 Service Manual (P.28) —

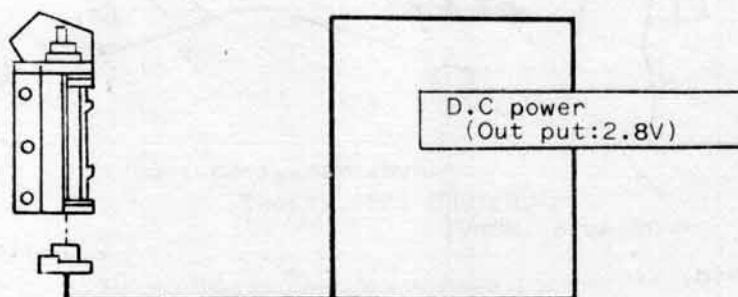
## 180mV adjustment (Adjustment of VR5, decision of R4)

- Measuring instruments :
- Contant voltage D.C power supply (MODEL 524B, E-1, E-2)
  - Digital multimeter (MODEL 2508, 3476, 2507)
  - Resistance selector
  - Battery adapter (2006-0415-75)

### ■ Adjustment procedure

Connect the camera and power source as illustrated below.

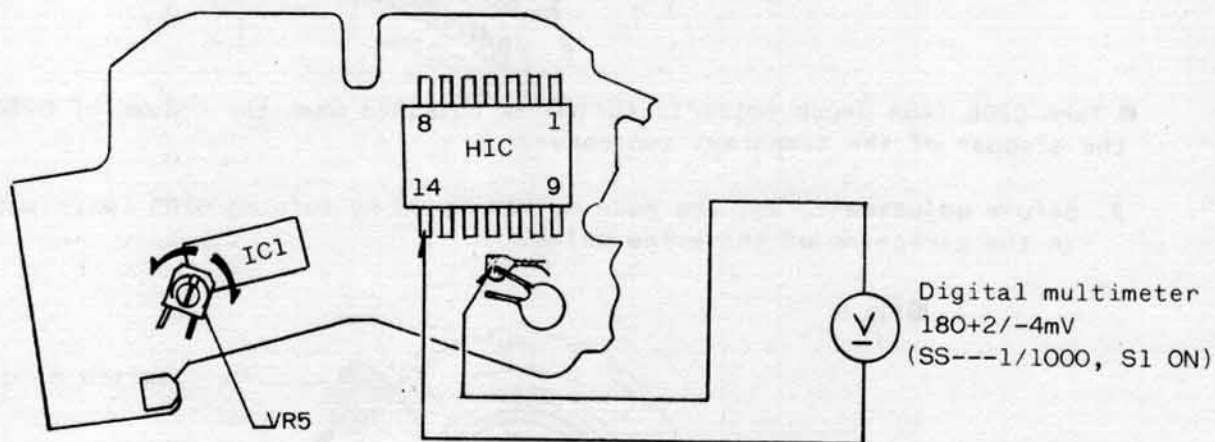
■ Fig. 1



### Manual 180mV adjustment (adjustment of VR5)

- Set the shutter dial to 1/1000, and main switch to ON.
- Adjust by turning VR5 so that the voltage of (S1 ON) is **180mV** (allowable range:  $180 \pm 2/-4\text{mV}$ ). When shutter button is pushed as in Fig.2.

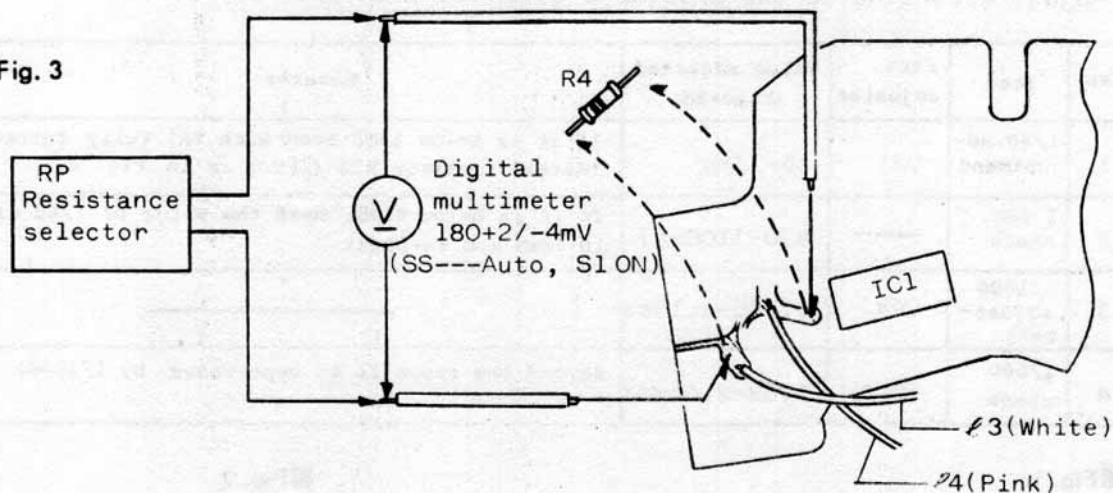
■ Fig. 2



## 2 Auto 180mV adjustmnet (selection of R4)

1. Remove R4 and solder the lead (X2) to the position of R4, then connect the tester as illustrated below.

■ Fig. 3



2. Set the shutter dial to A (auto) and main switch to ON; then shift the dial of Rp resistance selector so that the voltage of (S1 ON) approaches **180mV** (allowable range:  $180 \pm 2/-4$  mV), when shutter button is pushed.
  3. From those in the following table, pick the R4 that is closest to the resistance obtained by the Rp resistance selector; then solder it to the flexible board.
- After soldering, make sure the voltage is  $180 \pm 2/-4$  mV when measured at either terminal of R4 (in this case, remove the Rp resistance selector).
  - If the voltage is not within  $180 \pm 2/-4$  mV, re-check it by changing the resistance of R4, one rank higher or lower.

[Kinds of R4]

| Resistance (K $\Omega$ ) | Part No.     | Resistance (K $\Omega$ ) | Part No.     |
|--------------------------|--------------|--------------------------|--------------|
| 20                       | 9422-2036-32 | 39                       | 9422-3936-32 |
| 22                       | 9422-2236-32 | 47                       | 9422-4736-32 |
| 24                       | 9422-2436-32 | 56                       | 9422-5636-32 |
| 27                       | 9422-2736-32 | 68                       | 9422-6836-32 |
| 30                       | 9422-3036-32 | 100                      | 9422-1046-32 |
| 33                       | 9422-3336-32 | 200                      | 9422-2046-32 |



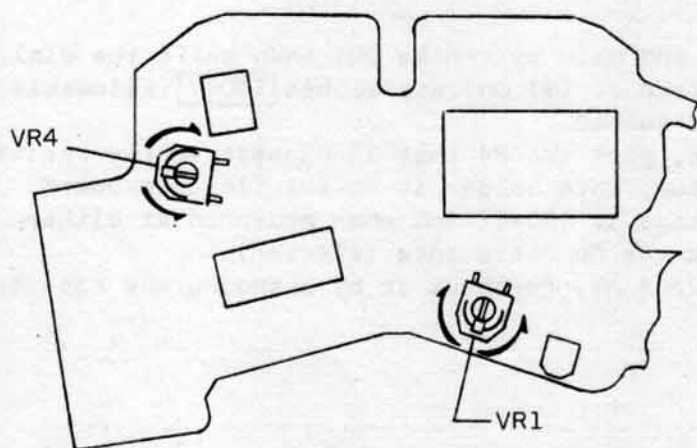
■ Measuring instruments: Shutter tester (MODEL S-2101, FS-1DMN4)

■ Adjustment procedure

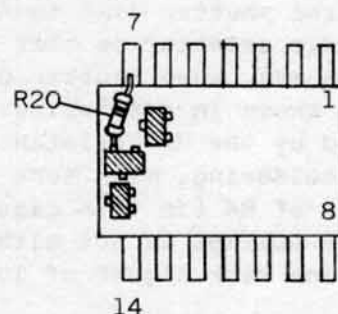
1. Adjust according to the procedure given in the table below.

| Step | Item              | Part adjusted | Value adjusted (checked) | Remarks                                                                                            |
|------|-------------------|---------------|--------------------------|----------------------------------------------------------------------------------------------------|
| 1    | 1/60 adjustment   | VR1           | 15-17ms                  | If it is below 15ms even with VR1 fully turned, install resistor R20 (24K $\Omega$ ) as in Fig. 2. |
| 2    | 1 sec. check      | —             | (830-1100ms)             | If it is below 80ms, make the value of 1/60 within 15-18ms and re-check.                           |
| 3    | 1/1000 adjustment | VR4           | 0.865-1.15ms             | —                                                                                                  |
| 4    | 1/500 check       | —             | (1.62-2.42ms)            | Beyond the range it is superseded by 1/1000.                                                       |

■ Fig. 1



■ Fig. 2



Auto shutter speed adjustment (adjustment of VR2)

\* The adjusting method at EE level with the use of EE tester is described in this paragraph. When making shutter speed adjustment using a timer counter, as in the 2006 service manual, connect the tester as shown in Fig.3 on P6.

■ Measuring instruments: EE tester (MODEL EE-2101, EE-2111)

: Standard luminance box (MODEL L-2101, L-222, L-223)

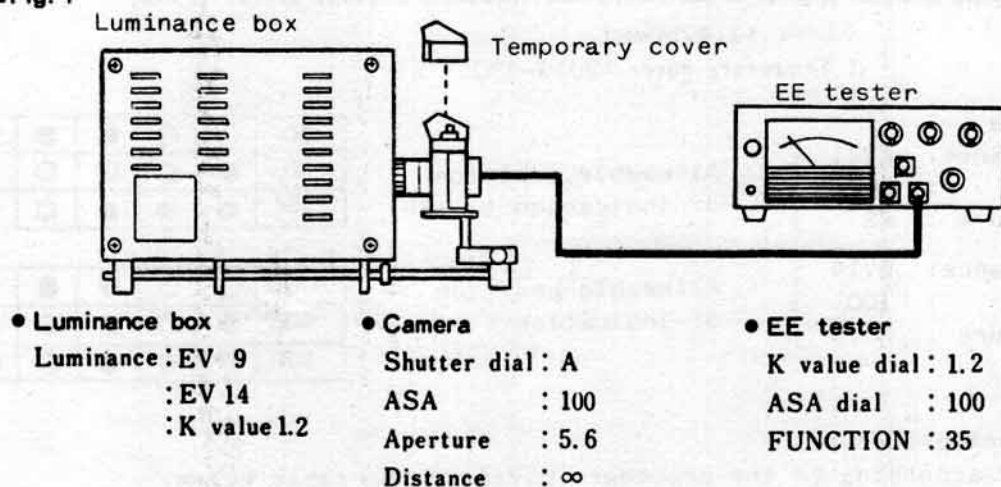
: Lens (1.4/50mm)

: Temporary cover (2019-1301-75)

# ■ Adjustment procedure

1. Set the camera and tester as illustrated below.

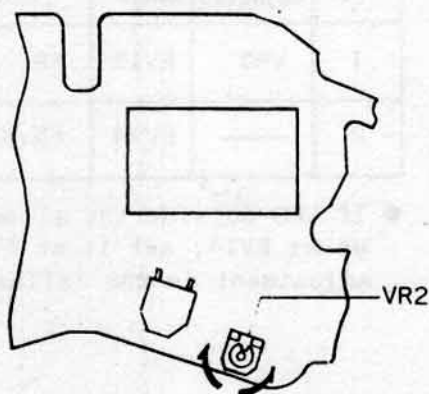
■Fig. 1



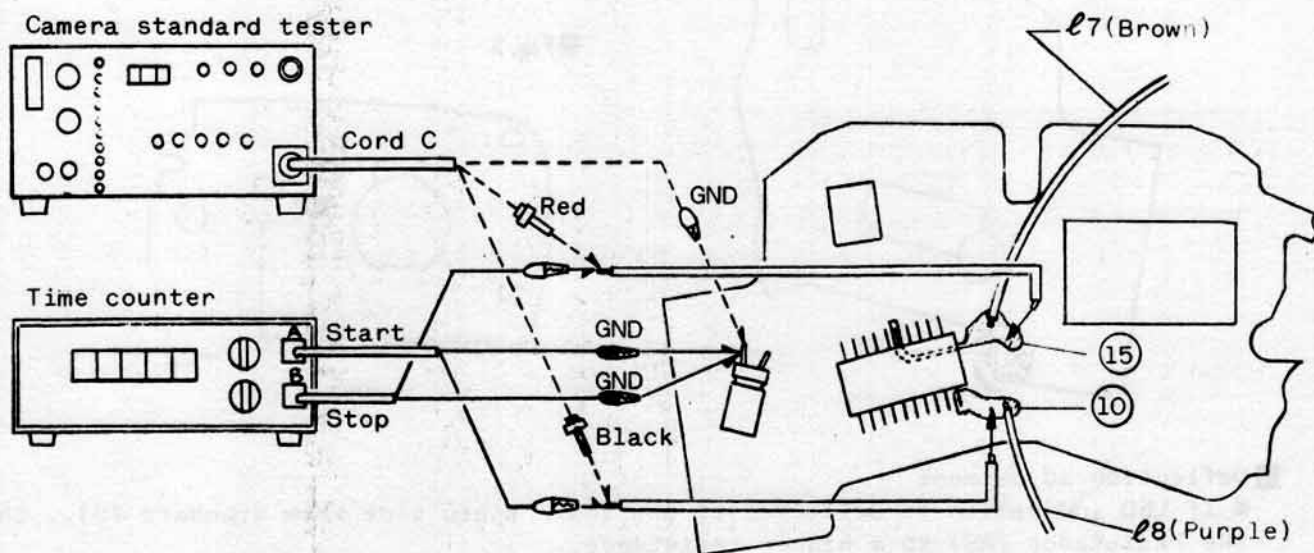
2. Adjustment according to the procedure given in the table below.

| Step | Lumi-nance | Part adjusted                                        | Allowable range      |
|------|------------|------------------------------------------------------|----------------------|
| 1    | EV9        | VR2                                                  | $0 \pm 0.8\text{EV}$ |
| 2    | EV14       | Beyond the allowable range, it is superseded by EV9. |                      |

■Fig. 2



■Fig. 3 (How to connect the time counter or camera standard tester).



●As shown above, solder the measuring lead to terminal ⑩ (start signal) and ⑮ (stop signal) of IC1, and then connect it to the time counter or camera standard tester.

●For the tester setting and adjustment procedure, refer to 2006 Service Manual(P32.)

**Measuring instruments:** Standard luminance box (MODEL L-2101, L-222, L-223)

: Lens (1.4/50mm)

: Temporary cover (2019-1301-75)

**Standards**

(1) Luminance: EV11  
 ASA : 100  
 Aperture : F8 } Allowable position  
 of indication ( $\pm 1\text{EV}$ )

(2) Luminance: EV14  
 ASA : 100  
 Aperture : F5.6 } Allowable position  
 of indication

|    |   |   |   |   |   |
|----|---|---|---|---|---|
| 60 | ☉ | ☉ | ● | ● | ● |
| 30 | ● | ☉ | ☉ | ☉ | ● |
| 15 | ● | ● | ● | ☉ | ☉ |

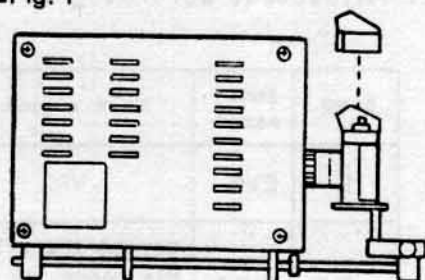
|      |   |   |   |   |   |
|------|---|---|---|---|---|
| 1000 | ☉ | ☉ | ● | ● | ● |
| 500  | ● | ☉ | ☉ | ☉ | ● |
| 250  | ● | ● | ● | ☉ | ☉ |

**Adjustment procedure**

1. Adjust according to the procedure given in the table below.

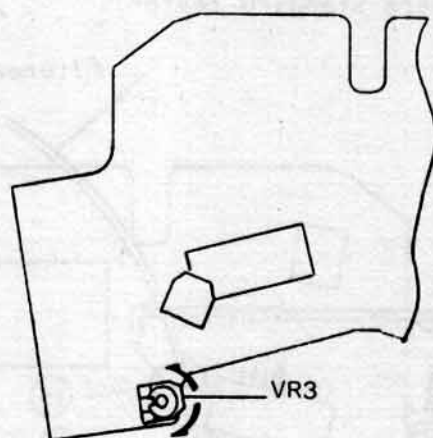
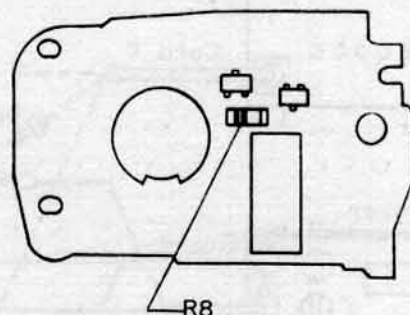
| Step | Part adjusted | Lumi-nance | F No. | Value adjusted | Allowable range |
|------|---------------|------------|-------|----------------|-----------------|
| 1    | VR3           | EV11       | F8    | LED "30" ON    | Standard(1)     |
| 2    | —             | EV14       | F5.6  | —              | Standard(2)     |

- If LED outside the allowable range lights up at EV14, set it at EV11 or mask the adjustment in the following paragraph.

**Fig. 1**


● Luminance box  
 Luminance: EV9  
 EV14  
 K value : 1.2

● Camera  
 Shutter dial: A  
 ASA : 100

**Fig. 2**

**Fig. 3**

**Deflection adjustment**

- If LED indication is deflected to the lower speed side from standard (2)...Change the resistance (R8) to a higher resistance.
- If LED indication is deflected to the higher speed side from standard (2)...Change the resistance (R8) to a lower resistance.

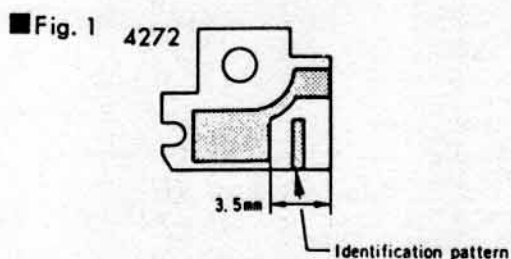
After changing the resistance (R8), perform the adjustment from the beginning.

- The PV. switch is designed to turn on when the PV. button is depressed 2.0mm. There is no chance of abnormality unless locking operations of the PV. lever and actuation of the PV. switch are performed out of sequence. So, check the switch according to the following procedure.

(The positions of PV. lever and switch are closest to each other unless inversion occurs between the operational timings of these parts. The range within which the mirror is allowed to be half raised is narrowed, and this is satisfactory.)

[OFF operation check]

1. Set the shutter dial to B.
  2. When the shutter is being released with shutter button pressed, the operation will be satisfactory if pushing the PV. button until the PV. lever is locked does not cause the second curtain to run.
- In case the second curtain runs (the PV. switch turns ON), replace the adjusting PV. lock base plate (4273) and adjust the PV. switch to delay in turning ON.

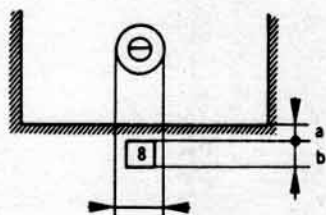


[ON operation check]

1. Push the shutter button with the PV. button fully depressed. It is satisfactory if the shutter is not released.

F No. in-finder adjustment

■ Specification



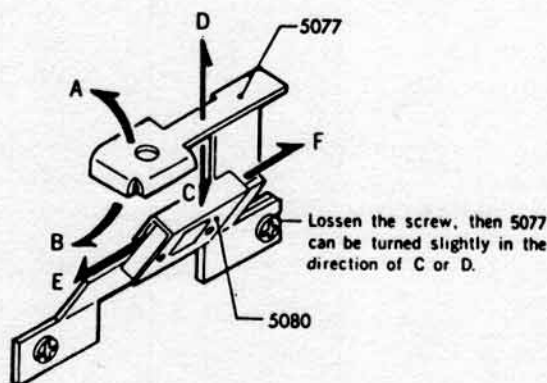
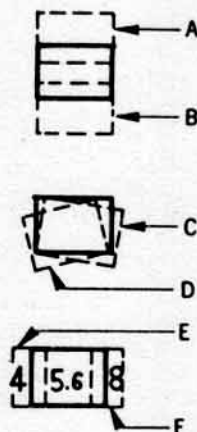
- The F no. indication should be within the frame, and any adjacent number should be invisible at F 5.6.
- Frame position : Height.....  $0 < a \leq b$   
: Within the microprism

■ Adjustment

Check for deflection referring to Fig.2. Then make the adjustment by bending (shifting) 5077 and 5080 in each direction of A~E as shown in Fig.3.

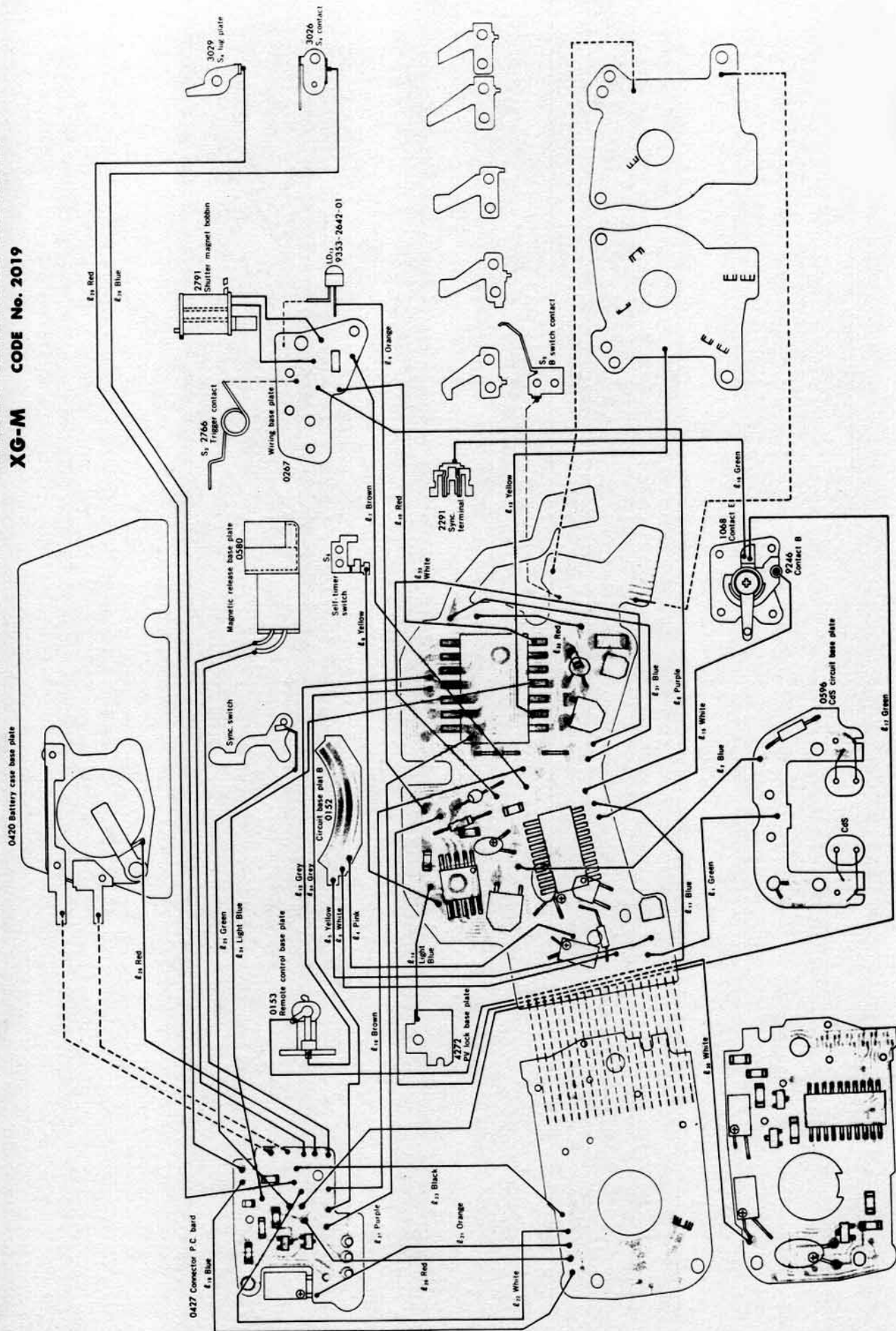
■ Fig. 2 (Normal position is shown by thick lines.)

■ Fig.3





**XG-M**      **CODE No. 2019**





# Trouble Shooting Chart

## 1. Hints on use of Trouble Shooting Chart

1. This chart includes the symptoms and causes of troubles on the camera side.
2. Even when a symptom appears on the camera side, the trouble is not always on the camera side but in connection with the replacement lens, winder or exclusive strobo. Therefore, carefully check operations related to the auxiliary parts before using this chart.

## 2. Contents of Chart

Unlike a conventional flow chart, defects and their symptoms are theoretically analyzed in this chart.

## 3. Precautions for Work

1. A digital tester (2507) is to be used as the measuring instrument. It is also allowable to use other measuring instruments when the input impedance exceeds 10 MΩ.
2. Use the measuring instrument to check voltages, and a tester of less than 3V to check current conduction.
3. It can be safely said that troubles of electric parts such as IC's diodes, transistors, resistors, capacitors, etc. seldom occur. It is therefore practical to put emphasis on checking for defective soldering of lead wires and electric parts, defective switches, etc.
4. When checking for defective soldering, do not excessively press the parts or pull the lead wires.
5. When measuring voltage, attach a pin to the end of alligator clip because the portion measured is very narrow. Do not directly connect the alligator clip with the portion measured; otherwise damage to the electric parts or to the pattern may occur.
6. When measuring the switch operation pattern, take care not to scratch the pattern outside the switch operation range. In case of a switch contact, take care not to disturb the switch contact.
7. When removing electric parts, pull out the power supply cord.
8. The desirable soldering iron temperature is about 260~300°C. In any case, finish soldering in a few seconds. Be sure to remove chips before soldering.

## 4. How to use the Trouble Shooting Chart

1. Problems (symptoms) are listed horizontally, according to function. First check the symptoms of the camera and then find the defective parts reading this chart.

### 2. Symblos used in the chart

#### 2-1 Description of problem

- \* For open parts, defective soldering, disconnected leads, defective switch contacts, etc., are mentioned, including part of shortcircuit problems.  
!177 show that the lead is caught by top cover or mechanism, causing it to become grounded.
- \* For the termal pressure setting between flexible and other boards, the symbol is as shown in the flexible pattern diagram.

#### 2-2 Description for symptom

- \* For SS and indication functions,

o....normal;            x....defective;

blank....release impossible;

A....auto mode;        M....manual mode

- \* For self function, considerations are given mainly to blinking of LD13. For self release, refer to the release colum.

- \* The blanks in release, self, bulb, strobe and BC shown that the operations are normal.

| Symptoms  | Shutter speed |             | LED indication |             |          | Release       | Self | Bulb        | B.C | Others<br>( )----with strobe                    |
|-----------|---------------|-------------|----------------|-------------|----------|---------------|------|-------------|-----|-------------------------------------------------|
|           | Auto          | Manual      | Auto           | Manual      | M letter |               |      |             |     |                                                 |
| Open part |               |             |                |             |          |               |      |             |     |                                                 |
| IC1 ①     |               | No exposure | ▲ lights up    | ▲ lights up | ○        | A:No<br>M:Yes |      |             |     |                                                 |
| ②         |               | ○           | ▲ lights up    | ▲ lights up | ○        | A:No<br>M:Yes |      |             |     |                                                 |
| ③         |               | ○           | ▲ lights up    | ▲ lights up | ○        | A:No<br>M:Yes |      |             |     |                                                 |
| ④         | Kept open     | No exposure | X              | X           | ○        |               |      |             |     |                                                 |
| ⑤         | No exposure   | No exposure | ○              | ○           | ○        |               |      |             |     |                                                 |
| ⑥         | No exposure   | No exposure | ○              | X           | ○        |               |      |             |     | Low on the whole<br>----LED indication          |
| ⑦         |               | ○           | ▲ lights up    | ▲ lights up | ○        | A:No<br>M:Yes |      |             |     |                                                 |
| ⑧         | ○             | ○           | ○              | ○           | ○        |               |      |             |     | (1/60 LED not brinking)<br>(Doesn't come 1/60)  |
| ⑨         |               |             | ○              | ○           | ○        | X             |      |             |     |                                                 |
| 10        | No exposure   | No exposure | ○              | ○           | ○        |               |      |             |     |                                                 |
| 11        | No exposure   | No exposure | ○              | ○           | ○        |               |      |             |     |                                                 |
| 12        | Kept open     | Kept open   | ○              | ○           | ○        |               |      |             |     |                                                 |
| 13        | ○             | ○           | ○              | ○           | ○        |               |      |             |     | (1/60 LED not brinking)                         |
| 14        |               | No exposure | ▲ lights up    | ▲ lights up | ○        | A:No<br>M:Yes |      | No exposure |     | (1/60 LED not brinking)<br>(Doesn't come 1/60)  |
| 15        | No exposure   | No exposure | ○              | ○           | ○        |               |      | No exposure |     |                                                 |
| 16        | No exposure   | No exposure | ○              | ○           | ○        |               |      | No exposure |     |                                                 |
| 17        | Kept open     | ○           | X              | X           | ○        |               |      |             |     |                                                 |
| 18        | *1            | ○           | *2             | *2          | ○        |               |      |             |     | When change SV & AV,<br>doesn't change LED & SS |
| 19        |               | ○           | ▲ lights up    | ▲ lights up | ○        | A:No<br>M:Yes |      |             |     |                                                 |
| 20        | Kept open     | ○           | X              | X           | ○        |               |      |             |     |                                                 |
| IC2 ①     | ○             | ○           | X(1/1000)      | X(1/1000)   | ○        |               |      |             |     |                                                 |
| ②         | ○             | ○           | X(▲)           | X(▲)        | ○        |               |      |             |     | Doesn't work▲lock                               |
| ③         | ○             | ○           | ○              | ○           | ○        |               |      |             |     |                                                 |
| ④         | *3            | *3          | ○              | ○           | ○        |               |      |             |     | LED doesn't turn off                            |
| ⑤         | *3            | *3          | ○              | ○           | ○        |               |      |             |     |                                                 |
| ⑥         | ○             | ○           | X              | X           | ○        |               |      |             |     |                                                 |
| ⑦         |               | ○           | ▲ lights up    | ▲ lights up | ○        | A:No<br>M:Yes |      |             |     |                                                 |
| ⑧         | ○             | ○           | ○              | ○           | ○        |               |      |             |     | LED doesn't follow by EV                        |
| ⑨         | ○             | ○           | X(▼)           | X(▼)        | ○        |               |      |             |     |                                                 |
| 10        | ○             | ○           | X (1/2)        | X (1/2)     | ○        |               |      |             |     |                                                 |

\*1 : Become fast speed  
 \*2 : High on the whole  
 \*3 : Kept open with Remocon

| Symptoms  | Shutter speed |           | LED indication |           |          | Release | Self                 | Bulb | B.C | Others<br>( )----with strobe     |
|-----------|---------------|-----------|----------------|-----------|----------|---------|----------------------|------|-----|----------------------------------|
|           | Auto          | Manual    | Auto           | Manual    | M letter |         |                      |      |     |                                  |
| Open part |               |           |                |           |          |         |                      |      |     |                                  |
| IC2(1)    | ○             | ○         | X (1/4)        | X (1/4)   | ○        |         |                      |      |     |                                  |
| (2)       | ○             | ○         | X (1/8)        | X (1/8)   | ○        |         |                      |      |     |                                  |
| (3)       | ○             | ○         | X              | X         | ○        |         |                      |      |     |                                  |
| (4)       | ○             | ○         | X (1/15)       | X (1/15)  | ○        |         |                      |      |     |                                  |
| (5)       | ○             | ○         | X (1/30)       | X (1/30)  | ○        |         |                      |      |     |                                  |
| (6)       | ○             | ○         | X (1/60)       | X (1/60)  | ○        |         |                      |      |     |                                  |
| (7)       | ○             | ○         | X (1/125)      | X (1/125) | ○        |         |                      |      |     |                                  |
| (8)       | ○             | ○         | X              | X         | ○        |         |                      |      |     |                                  |
| (9)       | ○             | ○         | X (1/250)      | X (1/250) | ○        |         |                      |      |     |                                  |
| (10)      | ○             | ○         | X (1/500)      | X (1/500) | ○        |         |                      |      |     |                                  |
| IC3 (1)   |               |           | ○              | ○         | ○        | X       | X                    | X    |     |                                  |
| (2)       | Bulb          | Bulb      | ○              | ○         | ○        |         |                      |      |     |                                  |
| (3)       | ○             | ○         | ○              | ○         | ○        |         |                      |      |     | Doesn't release with low voltage |
| (4)       | ○             | ○         | ○              | ○         | ○        |         | X (Only no brinkinh) |      |     |                                  |
| (5)       | ○             | ○         | ○              | ○         | ○        |         | X (Only no brinking) |      | X   |                                  |
| (6)       | ○             | ○         | ○              | ○         | ○        |         | X                    |      |     |                                  |
| (7)       | *3            | *3        | ○              | ○         | ○        |         | X                    |      |     |                                  |
| (8)       | abnormal      | abnormal  | ○              | ○         | ○        | X       |                      | X    |     |                                  |
| (9)       | ○             | ○         | ○              | ○         | ○        |         |                      | X    |     |                                  |
| (10)      |               |           | ○              | ○         | ○        | X       | X                    | X    | X   |                                  |
| HIC (1)   | Kept open     | Kept open | X              | X         | X        |         |                      |      |     |                                  |
| (2)       |               |           | X              | X         | X        |         |                      |      |     |                                  |
| (3)       | Kept open     | Kept open | X              | X         | X        |         |                      |      |     |                                  |
| (4)       |               |           | ○              | ○         | ○        | X       | X                    | X    |     |                                  |
| (5)       |               |           | ○              | ○         | ○        | X       | X                    | X    |     |                                  |
| (6)       |               |           | ○              | ○         | ○        | X       | X                    | X    |     |                                  |
| (7)       |               |           | ○              | ○         | ○        | X       |                      | X    |     |                                  |
| (8)       |               |           | ○              | ○         | ○        | X       |                      | X    |     |                                  |
| (9)       |               |           | ○              | ○         | ○        | X       |                      | X    |     |                                  |
| (10)      |               |           | ○              | ○         | ○        | X       |                      | X    |     |                                  |

\*3 : Kept open with Remocon.



| Symptoms         | Shutter speed |             | LED indication |             |          | Release           | self                | Bulb        | B.C | Others<br>( )----with strobe              |
|------------------|---------------|-------------|----------------|-------------|----------|-------------------|---------------------|-------------|-----|-------------------------------------------|
|                  | Auto          | Manual      | Auto           | Manual      | M letter |                   |                     |             |     |                                           |
| Open part        |               |             |                |             |          |                   |                     |             |     |                                           |
| HIC ①            | ○             | ○           | ○              | ○           | ○        |                   |                     |             |     | LED keeps lighting on MD-1 or winder side |
| ⑫                | No exposure   | No exposure | ○              | ○           | ○        |                   |                     | No exposure |     |                                           |
| ⑬                | Kept open     | Kept open   | X              | X           | X        |                   |                     |             |     |                                           |
| ⑭                | ○             | No exposure | ○              | ○           | ○        |                   |                     |             |     |                                           |
| Flexible board ① |               |             | ○              | ○           | ○        | X                 | X                   | X           |     |                                           |
| (2)              | *3            | *3          | ○              | ○           | ○        |                   |                     |             |     | Same as IC-2 ⑤                            |
| (3)              |               |             | ○              | ○           | ○        | X                 | X                   | X           |     | Same as HIC ⑦                             |
| (4)              | *3            | *3          | ○              | ○           | ○        |                   | X (Doesn't release) |             |     | M letter doesn't turn off                 |
| (5)              | *3            | *3          | ○              | ○           | ○        |                   | X (Doesn't release) |             |     |                                           |
| (6)              |               |             | X              | X           | X        | X                 | X                   | X           | X   |                                           |
| (7)              | ○             | ○           | ○              | ○           | ○        |                   |                     |             |     | Doesn't work ▲ lock                       |
| (8)              | ○             | ○           | ○              | ○           | ○        |                   |                     |             |     | (1/60 LED not braking)                    |
| (9)              |               |             | X              | X           | X        | X                 | X                   | X           | X   |                                           |
| ⑩                | High speed    | ○           |                |             |          |                   |                     |             |     | Same as IC 1 ⑮                            |
| ⑪                |               | ○           | ▲ lights up    | ▲ lights up | ○        | A : No<br>M : Yes |                     |             |     | Same as IC 1 ⑮                            |
| ⑫                | Kept open     | Kept open   | X              | X           | ○        |                   |                     |             |     |                                           |
| ⑬                |               |             | ○              | ○           | ○        | X                 | X                   | X           |     |                                           |
| ⑭                | ○             | ○           | ○              | ○           | X        |                   |                     |             |     |                                           |
| ⑮                | ○             | ○           | ○              | ○           | ○        |                   |                     |             |     | Doesn't work ▲ lock                       |
| ⑯                | ○             | ○           | X              | X           | X        |                   |                     |             |     |                                           |
| ⑰                | ○             | ○           | X              | X           | ○        |                   |                     |             |     | Same as IC2 ⑥                             |
| ⑱                |               | ○           | ▲ lights up    | ▲ lights up | ○        | A : No<br>M : Yes |                     |             |     | Same as IC2 ⑦                             |
| (A)              | ○             | ○           | ○              | ○           | ○        |                   |                     |             | X   |                                           |
| (B)              |               |             | X              | X           | X        | X                 | X                   | X           | X   |                                           |
| (C)              | ○             | ○           | ○              | ○           | ○        |                   |                     |             |     | LED keeps lighting on MD-1 or winder side |
| (D)              | ○             | No exposure | ○              | ○           | ○        |                   |                     |             |     | LED indication deflected                  |
| (E)              | ○             | No exposure | ○              | ○           | ○        |                   |                     |             |     | LED indication deflected                  |
| (F)              | ○             | No exposure | ○              | ○           | ○        |                   |                     |             |     | LED indication deflected                  |
| (G)              |               |             | X              | X           | X        | X                 | X                   | X           |     |                                           |
| (H)              | ○             | ○           | ○              | ○           | X        |                   |                     |             |     |                                           |
|                  |               |             |                |             |          |                   |                     |             |     |                                           |



| Symptoms           | Shutter speed         |                                         | LED indication                             |                                            |                       | Release       | self | Bulb | B.C | Others                                        |
|--------------------|-----------------------|-----------------------------------------|--------------------------------------------|--------------------------------------------|-----------------------|---------------|------|------|-----|-----------------------------------------------|
| Open part          | Auto                  | Manual                                  | Auto                                       | Manual                                     | M letter              |               |      |      |     | ( )----with strobe                            |
| Flexible board (I) | <input type="radio"/> | <input type="radio"/> (for no exposure) | <input type="radio"/>                      | <input checked="" type="radio"/> lights up |                       |               |      |      |     |                                               |
| (J)                | No exposure           | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     | Indication doesn't match between A and M mode |
| (K)                | <input type="radio"/> | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     | Doesn't work ▲ lock                           |
| (L)                |                       | <input type="radio"/> (for no exposure) | <input checked="" type="radio"/> lights up | <input checked="" type="radio"/> lights up | <input type="radio"/> | A:No<br>M:Yes |      |      |     |                                               |
| (M)                | No exposure           | No exposure                             | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     | Same as IC1 (5)                               |
| (N)                | <input type="radio"/> | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     | Doesn't work ▲ lock                           |
| (O)                |                       | <input type="radio"/>                   | <input checked="" type="radio"/> lights up | <input type="radio"/>                      | <input type="radio"/> | A:No<br>M:Yes |      |      |     |                                               |
| SW1                | <input type="radio"/> | <input type="radio"/>                   | X                                          | X                                          | X                     |               |      |      |     |                                               |
| SW1 $\pi$          | <input type="radio"/> | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     | LED keeps lighting                            |
| SW2                |                       |                                         | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> | X             | X    | X    |     |                                               |
| SW2 $\pi$          | <input type="radio"/> | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     | *4                                            |
| SW3                | No exposure           | No exposure                             | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     |                                               |
| SW3 $\pi$          | Kept open             | Kept open                               |                                            |                                            |                       |               |      |      |     |                                               |
| SW4                |                       |                                         | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> | X             | X    | X    |     |                                               |
| SW4 $\pi$          |                       |                                         | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> | X             | X    | X    |     |                                               |
| SW5                | Bulb                  | Bulb                                    | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     |                                               |
| SW5 $\pi$          | <input type="radio"/> | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      | X    |     |                                               |
| SW6                | <input type="radio"/> | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               | X    |      |     |                                               |
| SW6 $\pi$          | <input type="radio"/> | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     | Self is activated at all time                 |
| SW7                |                       |                                         | X                                          | X                                          | X                     | X             | X    |      |     |                                               |
| SW7 $\pi$          | <input type="radio"/> | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     |                                               |
| SW8-1A             | No exposure           | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     | Same as (J)                                   |
| SW8-1M             | <input type="radio"/> | No exposure                             | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     | Same as (F)                                   |
| SW8-2A             | <input type="radio"/> | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     | Same as (K)                                   |
| SW8-3A             |                       | <input type="radio"/>                   | <input checked="" type="radio"/> lights up | <input type="radio"/>                      | <input type="radio"/> | A:No<br>M:Yes |      |      |     | Same as (O)                                   |
| SW8-3M             | <input type="radio"/> | No exposure                             | <input type="radio"/>                      | <input checked="" type="radio"/> lights up | <input type="radio"/> |               |      |      |     | Same as (I)                                   |
| SW8-4A             | <input type="radio"/> | <input type="radio"/>                   | <input type="radio"/>                      | <input type="radio"/>                      | <input type="radio"/> |               |      |      |     | Doesn't work ▲ lock                           |
|                    |                       |                                         |                                            |                                            |                       |               |      |      |     |                                               |
|                    |                       |                                         |                                            |                                            |                       |               |      |      |     |                                               |
|                    |                       |                                         |                                            |                                            |                       |               |      |      |     |                                               |
|                    |                       |                                         |                                            |                                            |                       |               |      |      |     |                                               |

\*4: Shutter is operated with winding lever sifted back.

| Symptoms         | Shutter speed  |                | LED indication |               |          | Release       | Self                  | Bulb  | B.C | Others<br>( )----with strobe                        |
|------------------|----------------|----------------|----------------|---------------|----------|---------------|-----------------------|-------|-----|-----------------------------------------------------|
|                  | Auto           | Manual         | Auto           | Manual        | M letter |               |                       |       |     |                                                     |
| Open part        |                |                |                |               |          |               |                       |       |     |                                                     |
| SW8-3, 4A<br>III |                |                | ▲lights<br>up  |               |          | A:No<br>M:Yes | ▲lock                 | ▲lock |     |                                                     |
| SW8-3, 4M<br>III |                | No<br>exposure |                | ▲lights<br>up | ○        |               |                       |       |     |                                                     |
| SW12             | ○              | ○              | ○              | ○             | ○        |               |                       |       |     | Shutter is operated with<br>PV. button depressed    |
| SW12 III         |                |                | ○              | ○             | ○        | X             | X                     | X     |     |                                                     |
| SW21             | ○              | ○              | ○              | ○             | ○        |               |                       |       | X   |                                                     |
| SW21 III         | ○              | ○              | ○              | ○             | ○        |               |                       |       |     | B.C keeps lighting                                  |
| R, RC            | △              | ○              | △              | △             | ○        |               |                       |       |     | EE & indication lineari-<br>ty change great(only A) |
| R2               | Kept<br>open   | ○              | X              | X             | ○        |               |                       |       |     |                                                     |
| R4               | △              | ○              | △              | △             | ○        |               |                       |       |     |                                                     |
| R5, D1           | ○              | ○              | ○              | ○             | ○        |               |                       |       |     | Same as IC3③                                        |
| R6               | ○              | ○              | ○              | ○             | ○        |               | X                     |       |     |                                                     |
| R7               | ○              | ○              | ○              | ○             | ○        |               | (only no<br>brinking) |       |     |                                                     |
| R8               | ○              | ○              | ○              | ○             | ○        |               |                       |       |     | Deflect indication line-<br>arity                   |
| R9               | ○              | ○              | X              | X             | ○        |               |                       |       |     |                                                     |
| R10              | ○              | ○              | ○              | ○             | ○        |               |                       |       | △   | Deflect B.C voltage                                 |
| R11              | ○              | ○              | ○              | ○             | ○        |               |                       |       |     | Same as ①                                           |
| R12              | ○              | ○              | ○              | ○             | ○        |               |                       |       |     | Deflect shutter speed<br>by temperature             |
| R13, 14, 15      | ○              | ○              | ○              | ○             | X        |               |                       |       |     |                                                     |
| R16              | ○              | ○              | ○              | ○             | ○        |               |                       |       |     | Doesn't operate MD-1 &<br>winder                    |
| R17              | ○              | ○              | ○              | ○             | ○        |               |                       |       |     | Same as ②                                           |
| R18              | ○              | ○              | ○              | ○             | ○        |               |                       |       |     | Possible wrong operation<br>with MD-1 or winder     |
| R19              |                |                | ○              | ○             | ○        | X             |                       | X     |     |                                                     |
| C1               | Kept<br>open   | Kept<br>open   | ○              | ○             | ○        |               |                       |       |     |                                                     |
| C2               | No<br>exposure | No<br>exposure | ○              | ○             | ○        |               |                       |       |     |                                                     |
| C3               | △              | △              | ○              | ○             | ○        |               |                       |       |     | Excessive variation                                 |
| C4               | ○              | ○              | ○              | ○             | ○        |               | X                     |       |     |                                                     |
| C5               | *3             | *3             | ○              | ○             | ○        |               | X                     |       |     |                                                     |

| Symptoms    | Shutter speed |             | LED indication |             |          | Release       | Self | Bulb | B.C | Others<br>( )----with strobe                 |
|-------------|---------------|-------------|----------------|-------------|----------|---------------|------|------|-----|----------------------------------------------|
|             | Auto          | Manual      | Auto           | Manual      | M letter |               |      |      |     |                                              |
| Open part   |               |             |                |             |          |               |      |      |     |                                              |
| C6          |               |             | ○              | ○           | ○        | X             |      | X    |     |                                              |
| C7          | High speed    | High speed  | ○              | ○           | ○        |               |      |      |     | Metering circuit oscillates                  |
| C8          | ○             | ○           | ○              | ○           | ○        |               |      |      |     | SS & LED unstable when battery capacity low  |
| C9          | ○             | ○           | ○              | ○           | ○        |               |      |      |     | Possible wrong operation with MD-1 or window |
| D2          | ○             | ○           | ○              | ○           | ○        |               |      |      |     | Brinking self LED by S2 on when ▲ lights up  |
| TC          | ○             | ○           | ○              | ○           | ○        |               |      |      |     | Same as R12                                  |
| VR1         | ○             | No exposure | ○              | ○           | ○        |               |      |      |     |                                              |
| VR2         | No exposure   | ○           | ○              | ○           | ○        |               |      |      |     | Same as ①                                    |
| VR3         |               | No exposure | ▲ lights up    | ▲ lights up | ○        | A:No<br>M:Yes |      |      |     | Same as ②                                    |
| VR4         | No exposure   | No exposure | ○              | ○           | ○        |               |      |      |     |                                              |
| VR5         | kept open     | kept open   | X              | X           | ○        |               |      |      |     |                                              |
| TR1         | ○             | ○           | ○              | ○           | ○        |               |      |      |     | Doesn't work ▲ lock                          |
| TR2, TR3    | ○             | ○           | ○              | ○           | X        |               |      |      |     |                                              |
| TR4, TR5    | ○             | ○           | ○              | ○           | ○        |               |      |      |     | No operation MD-1 & winder                   |
| ℓ1 (Green)  | kept open     | ○           | X              | X           | ○        |               |      |      |     |                                              |
| ℓ1 Ⅲ        | Kept open     | kept open   | X              | X           | X        |               |      |      |     | Short circuit when S1. on                    |
| ℓ2 (Blue)   | Kept open     | ○           | X              | X           | ○        |               |      |      |     |                                              |
| ℓ2 Ⅲ        | Kept open     | ○           | X              | X           | ○        |               |      |      |     |                                              |
| ℓ3 (White)  | ○             | ○           | ○              | ○           | ○        |               |      |      |     | Doesn't change SS & LED by AV                |
| ℓ3 Ⅲ        |               | ○           | ▲ lights up    | ▲ lights up | ○        | A:No<br>M:Yes |      |      |     |                                              |
| ℓ4 (Pink)   | Kept open     | ○           | ▼ lights up    | ▼ lights up | ○        |               |      |      |     |                                              |
| ℓ4 Ⅲ        | Kept open     | ○           | ▼ lights up    | ▼ lights up | ○        |               |      |      |     |                                              |
| ℓ5 (Yellow) | High speed    | ○           | ▲ lights up    | ▲ lights up | ○        | A:No<br>M:Yes |      |      |     |                                              |
| ℓ5 Ⅲ        | Kept open     | ○           | X              | X           | ○        |               |      |      |     |                                              |
| ℓ6 (Yellow) | ○             | ○           | ○              | ○           | ○        |               | X    |      |     |                                              |
| ℓ6 Ⅲ        | ○             | ○           | ○              | ○           | ○        |               |      |      |     | All mode self function                       |
| ℓ7 (Brown)  | No exposure   | No exposure | ○              | ○           | ○        |               |      | X    |     |                                              |
| ℓ7 Ⅲ        | Kept open     | Kept open   | ○              | ○           | ○        |               |      | X    |     |                                              |
| ℓ8 (Purple) | No exposure   | No exposure | ○              | ○           | ○        |               |      |      |     |                                              |
| ℓ8 Ⅲ        | Kept open     | Kept open   | ○              | ○           | ○        |               |      |      |     |                                              |



| Symptoms     | Shutter speed |             | LED indication |        |          | Release    | self                 | Bulb | B.C | Others<br>( )----with strobe                 |
|--------------|---------------|-------------|----------------|--------|----------|------------|----------------------|------|-----|----------------------------------------------|
|              | Auto          | Manual      | Auto           | Manual | M letter |            |                      |      |     |                                              |
| Open part    |               |             |                |        |          |            |                      |      |     |                                              |
| ø9(Orange)   | ○             | ○           | ○              | ○      | ○        |            | (Only no lighting)   |      |     |                                              |
| ø9 π         | ○             | ○           | ○              | ○      | ○        |            | (LED keeps lighting) |      |     |                                              |
| ø10(Red)     | No exposure   | No exposure | ○              | ○      | ○        |            | (Only no lighting)   | X    | X   |                                              |
| ø10 π        |               |             | X              | X      | X        | X          | X                    | X    | X   | Power source short circuit                   |
| ø11(Blue)    | ○             | ○           | ○              | ○      | ○        | X(Remocon) |                      |      |     |                                              |
| ø11 π        | ○             | ○           | ○              | ○      | ○        |            |                      | X    |     |                                              |
| ø12(Grey)    | ○             | ○           | ○              | ○      | ○        | X(Remocon) |                      |      |     |                                              |
| ø12 π        | ○             | ○           | ○              | ○      | ○        |            |                      |      |     | *4                                           |
| ø13(Yellow)  | ○             | ○           | ○              | ○      | ○        |            |                      |      |     | Doesn't work ▲ lock                          |
| ø13 π        | Kept open     | Kept open   | X              | X      | X        |            |                      |      |     | Power source short circuit                   |
| ø14(R. blue) | ○             | ○           | ○              | ○      | ○        |            |                      |      |     | Shutter is operated with PV button depressed |
| ø14 π        |               |             | ○              | ○      | ○        | X          |                      | X    |     |                                              |
| ø15(White)   | ○             | ○           | ○              | ○      | ○        |            |                      |      |     | Same as IC1⑧                                 |
| ø15 π        | ○             | ○           | ○              | ○      | ○        |            |                      |      |     | Same as IC1⑧                                 |
| ø16(Green)   | ○             | ○           | ○              | ○      | ○        |            |                      |      |     | (Strobe doesn't fire)                        |
| ø16 π        | ○             | ○           | ○              | ○      | ○        |            |                      |      |     | (Strobe doesn't fire)                        |
| ø17(Green)   | ○             | ○           | ○              | ○      | ○        |            |                      |      |     | (Strobe doesn't fire)                        |
| ø17 π        | ○             | ○           | ○              | ○      | ○        |            |                      |      |     | (Strobe doesn't fire)                        |
| ø18(Brown)   |               |             | ○              | ○      | ○        | X          |                      | X    |     |                                              |
| ø18 π        |               |             | ○              | ○      | ○        | X          |                      | X    |     |                                              |
| ø19(Blue)    |               |             | ○              | ○      | ○        | X          | X                    | X    |     |                                              |
| ø19 π        |               |             | X              | X      | X        | X          | X                    | X    |     | Power source short circuit                   |
| ø20(Red)     |               |             | X              | X      | X        | X          | X                    | X    | X   |                                              |
| ø20 π        |               |             | X              | X      | X        | X          | X                    | X    | X   | Power source short circuit                   |
| ø21(Orange)  |               |             | ○              | ○      | ○        | X          |                      | X    |     |                                              |
| ø21 π        |               |             | ○              | ○      | ○        | X          |                      | X    |     | Too early exhaustion battery                 |
| ø22(White)   |               |             | ○              | ○      | ○        | X          | X                    | X    |     |                                              |
| ø22 π        |               |             | ○              | ○      | ○        | X          | X                    | X    |     | Short circuit with S4 on                     |
| ø23(Black)   |               |             | X              | X      | X        | X          | X                    | X    | X   |                                              |
|              |               |             |                |        |          |            |                      |      |     |                                              |
|              |               |             |                |        |          |            |                      |      |     |                                              |

\*4 : Shutter is operated with winding lever sifted back.



| Symptoms    | Shutter speed |             | LED indication |          |          | Release | Self | Bulb        | B.C | Other                           |
|-------------|---------------|-------------|----------------|----------|----------|---------|------|-------------|-----|---------------------------------|
|             | Auto          | Manual      | Auto           | Manual   | M letter |         |      |             |     |                                 |
| Open part   |               |             |                |          |          |         |      |             |     | ( )----with strobe              |
| ø24(Grey)   | ○             | ○           | ○              | ○        | ○        |         |      |             |     | Doesn't shutter release by MD-1 |
| ø24 π       | ○             | ○           | ○              | ○        | ○        | *4      | *5   |             |     |                                 |
| ø25(Green)  | ○             | ○           | ○              | ○        | ○        |         |      |             |     | (Strobe doesn't fire)           |
| ø25 π       | ○             | ○           | ○              | ○        | ○        |         |      |             |     | (Strobe doesn't charge)         |
| ø26(Red)    |               |             | X              | X        | X        | X       | X    | X           | X   |                                 |
| ø26 π       |               |             | X              | X        | X        | X       | X    | X           | X   | Power source short circuit      |
| ø27(Purple) | ○             | ○           | ○              | ○        | ○        |         |      |             |     | Doesn't work touch SW of MD-1   |
| ø27 π       | ○             | ○           | ○              | ○        | ○        |         |      |             |     | LED keeps lighting              |
| ø28(Red)    |               |             | ○              | ○        | ○        | X       | X    | X           |     |                                 |
| ø28 π       |               |             | X(S4 on)       | X(S4 on) | X(S4 on) | X       | X    | X           |     | Short circuit with S4 on        |
| ø29(Blue)   |               |             | ○              | ○        | ○        | X       | X    | X           |     |                                 |
| ø29 π       |               |             | X              | X        | X        | X       | X    | X           |     | Power source short circuit      |
| ø30(White)  | ○             | ○           | ○              | ○        | ○        |         | X    |             |     |                                 |
| ø30 π       | ○             | ○           | ○              | ○        | ○        |         | X    |             |     |                                 |
| ø31(Blue)   |               |             | ○              | ○        | ○        | X       | X    | X           |     |                                 |
| ø31 π       | ○             | ○           | ○              | ○        | ○        |         |      | X           |     |                                 |
| ø32(Red)    |               |             | X              | X        | X        | X       | X    | X           |     |                                 |
| ø32 π       |               |             | X              | X        | X        | X       | X    | X           | X   | Power source short circuit      |
| ø33(White)  | ○             | ○           | ○              | ○        | ○        |         |      |             |     | Doesn't work lock               |
| ø33 π       |               |             | ○              | ○        | ○        | X       |      | X           |     |                                 |
| ø34(R.blue) | ○             | ○           | ○              | ○        | ○        |         |      |             |     | *6                              |
| ø34 π       |               |             | ○              | ○        | ○        | X       |      | X           |     |                                 |
| J1          |               |             | X              | X        | X        | X       | X    | X           | X   |                                 |
| J2          | Kept open     | Kept open   | X              | X        | X        |         |      |             |     |                                 |
| SL1         | No exposure   | No exposure | ○              | ○        | ○        |         |      | No exposure |     |                                 |
| SL1 π       | No exposure   | No exposure | ○              | ○        | ○        |         |      | No exposure |     |                                 |
| SL2         |               |             | ○              | ○        | ○        | X       |      | X           |     |                                 |
| SL2 π       |               |             | ○              | ○        | ○        | X       |      | X           |     |                                 |
|             |               |             |                |          |          |         |      |             |     |                                 |
|             |               |             |                |          |          |         |      |             |     |                                 |
|             |               |             |                |          |          |         |      |             |     |                                 |

\*4 : Shutter is operated with winding lever is sifted back

\*5 : Self is started with winding lever is sifted back

\*6 : Possible shutter release with PV button is depressed



