

STD ..... standard machine  
 Multiple ..... multiple lower limit machine  
 C-Multiple ..... continuous multiple lower limit machine

Unit No. **28**  
 Electric (1)

From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)             | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|--------------------------|------|-----------|------|
| 28        | 36140024            | Sticker (electric)          | 389793      |                          | 1    |           |      |
| 29        | 36183956            | Push button switch PB3      |             | AH22-Q-2R01 black (Fuji) | 1    |           |      |
| 30        | 36140027            | Sticker                     |             | AHX-719-E (Fuji)         | 1    |           |      |
| 31        | 36141129            | Breaker lever               |             | BU-GGD (Fuji)            | 1    |           |      |
| 32        | 36141124            | Retainer                    |             | H-1 (Fuji)               | 1    |           |      |
| 33        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8                   | 3    |           |      |
| 34        | 36183903            | Bracket                     | 4128762B    |                          | 1    |           |      |
| 35        | 36176822            | Pan head machine screw      |             | M5 x 10                  | 3    |           | STD  |
| 36        | 36147604 (44027927) | Spring washer               |             | M5                       | 3    |           | STD  |
| 37        | 36177228 (10344230) | Pan head sems screw (3-pcs) |             | M5 x 8                   | 3    |           |      |
| 38        | 36147802            | Nut                         |             | M5 type-2                | 3    |           |      |
| 39        | 36140025            | Sticker (fuse)              | 4134098B    |                          | 1    |           |      |
| 40        | 36147004 (36323015) | Bolt                        |             | M6 x 20                  | 1    |           |      |
| 41        | 36147608 (36323020) | Spring washer               |             | M6                       | 1    |           |      |
| 42        | 36147804 (36322524) | Nut                         |             | M6 type-2                | 2    |           |      |
| 43        | 36174013            | Cover                       | 4128754B    |                          | 1    |           |      |
| 44        | 36147308 (58250511) | Pan head machine screw      |             | M5 x 8                   | 2    |           | STD  |

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STD ..... standard machine  
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Unit No. **28**  
 Electric (1)

From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                                                 | Drawing No. | Type (Maker)    | Q'ty | Parts No.                                                                             | Note |
|-----------|---------------------|------------------------------------------------------------|-------------|-----------------|------|---------------------------------------------------------------------------------------|------|
| 45        | 36177211            | Pan head sems screw (2-pcs)                                |             | M5 x 8          | 2    |    |      |
| 46        | 36183913 (36112465) | Blind plate                                                | 4128755A    |                 | 1    |    |      |
| 47        | 36147308 (58250511) | Pan head machine screw                                     |             | M5 x 8          | 4    |    | STD  |
| 48        | 36147604 (44027927) | Spring washer                                              |             | M5              | 4    |    | STD  |
| 49        | 36177214            | Pan head sems screw (2-pcs)                                |             | M6 x 8          | 4    |    |      |
| 50        |                     | Connector                                                  |             |                 |      |                                                                                       |      |
|           | 36140933 (36329320) | STD mach.                                                  |             | YS-22 (Daiwa)   | 1    |    |      |
|           | 36140931            | Multiple lower limit mach.<br>C-Multiple lower limit mach. |             | 0A-U2           | 1    |    |      |
| 51        |                     | Grommet                                                    |             |                 |      |                                                                                       |      |
|           | 36183526            | STD mach.                                                  |             | MG17            | 1    |    |      |
|           | 36141103            | Multiple lower limit mach.                                 |             | DP2000 (HEYCO)  | 1    |   |      |
| 52        | 36141107            | Grommet                                                    |             | SG34A (Takigen) | 1    |  |      |
| 53        | 36141106            | Grommet                                                    |             | SG28A (Takigen) | 1    |  |      |
| 54        | 36141105            | Grommet                                                    |             | SG26A (Takigen) | 2    |  |      |
| 55        | 36140001            | Ball cover                                                 | 383823A     |                 | 1    |  |      |
| 56        |                     | Electrical box cable                                       |             |                 |      |                                                                                       |      |
|           | 36183940            | STD                                                        | 4129240     |                 | 1    |  |      |



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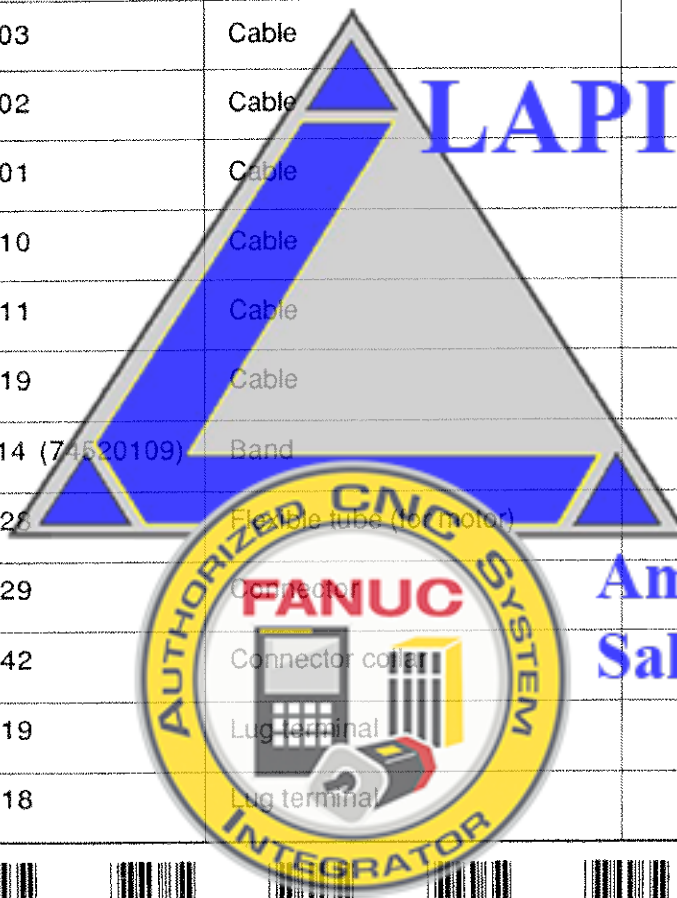


STD ..... standard machine  
 Multiple ..... multiple lower limit machine  
 C-Multiple ..... continuous multiple lower limit machine

Unit No. **28**  
 Electric (1)

From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                            | Drawing No. | Type (Maker)                                      | Q'ty  | Parts No. | Note |
|-----------|---------------------|---------------------------------------|-------------|---------------------------------------------------|-------|-----------|------|
|           | 36183939            | Multiple lower limit mach.            | 4130736A    |                                                   | 1     |           |      |
|           | 36175064            | Continuous multiple lower limit mach. | 4129902B    |                                                   | 1     |           |      |
| 57        | 36183937            | Earth cable ass'y                     | 4129323A    |                                                   | 1     |           |      |
| 58        | 36141012            | Cable (for LS)                        |             | VCT 1.25 mm <sup>2</sup> x 3c<br>600V L=5.0       | 1     |           |      |
| 59        | 36141004            | Cable                                 |             | IV 3.5 mm <sup>2</sup> 600V black<br>L=2.0        | 1     |           |      |
| 60        | 36141003            | Cable                                 |             | IV 3.5 mm <sup>2</sup> 600V<br>yellow/green L=2.0 | 1     |           |      |
| 61        | 36141002            | Cable                                 |             | IV 2.0 mm <sup>2</sup> 600V<br>yellow/green L=2.0 | 1     |           |      |
| 62        | 36141001            | Cable                                 |             | IV 2.0 mm <sup>2</sup> 600V<br>yellow/green       | 1     |           |      |
| 63        | 36141010            | Cable                                 |             | IV 1.25 mm <sup>2</sup> 600V red                  | 1     |           |      |
| 64        | 36141011            | Cable                                 |             | IV 1.25 mm <sup>2</sup> 600V<br>yellow/green      | 1     |           |      |
| 65        | 36141019            | Cable                                 |             | KIV 1.25 mm <sup>2</sup> 600V blue                | 1     |           |      |
| 66        | 36141114 (74520109) | Band                                  |             | CV-100                                            | 1     |           |      |
| 67        | 36141025            | Flexible tube (for motor)             |             | PF-19 L=2.5                                       | 1     |           |      |
| 68        | 36140929            | Connector                             |             | CSG-19                                            | 2     |           |      |
| 69        | 36140942            | Connector cable                       |             | CC-19                                             | 2     |           |      |
| 70        | 36141219            | Lug terminal                          |             | 3.5 mm <sup>2</sup>                               | 1 set |           |      |
| 71        | 36141218            | Lug terminal                          |             | 2.0 mm <sup>2</sup>                               | 1 set |           |      |



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Unit No. **28**  
Electric (1)

| Index No. | Parts No. | Parts Name                            | Drawing No. | Type (Maker)             | Q'ty  | Parts No.                                                                           | Note               |
|-----------|-----------|---------------------------------------|-------------|--------------------------|-------|-------------------------------------------------------------------------------------|--------------------|
| 72        | 36141217  | Lug terminal                          |             | 1.25 mm <sup>2</sup>     | 1 set |  |                    |
| 73        |           | Plate                                 |             |                          |       |                                                                                     | Punch clamp option |
|           | 36183922  | STD mach.                             | 4129360A    |                          | 1     |  | Punch clamp option |
|           | 36140010  | Multiple lower limit mach.            | 4130672A    |                          | 1     |  | Punch clamp option |
| 74        |           | Control panel                         |             |                          |       |                                                                                     | Punch clamp option |
|           | 36183931  | STD mach.                             | 4129241     |                          | 1     |  | Punch clamp option |
|           | 36183928  | Multiple lower limit mach.            | 4130671A    |                          | 1     |  | Punch clamp option |
|           | 36140029  | Continuous multiple lower limit mach. | 4129106D    |                          | 1     |  | Punch clamp option |
| 75        |           | Select switch SS3                     |             |                          |       |                                                                                     | Punch clamp option |
|           | 36183949  | STD mach.                             |             | ASK3K11 (Izumi)          | 1     |  | Punch clamp option |
|           | 36140801  | Multiple mach.<br>C-Multiple mach.    |             | AH22-J2A11A black (Fuji) | 1     |  | Punch clamp option |

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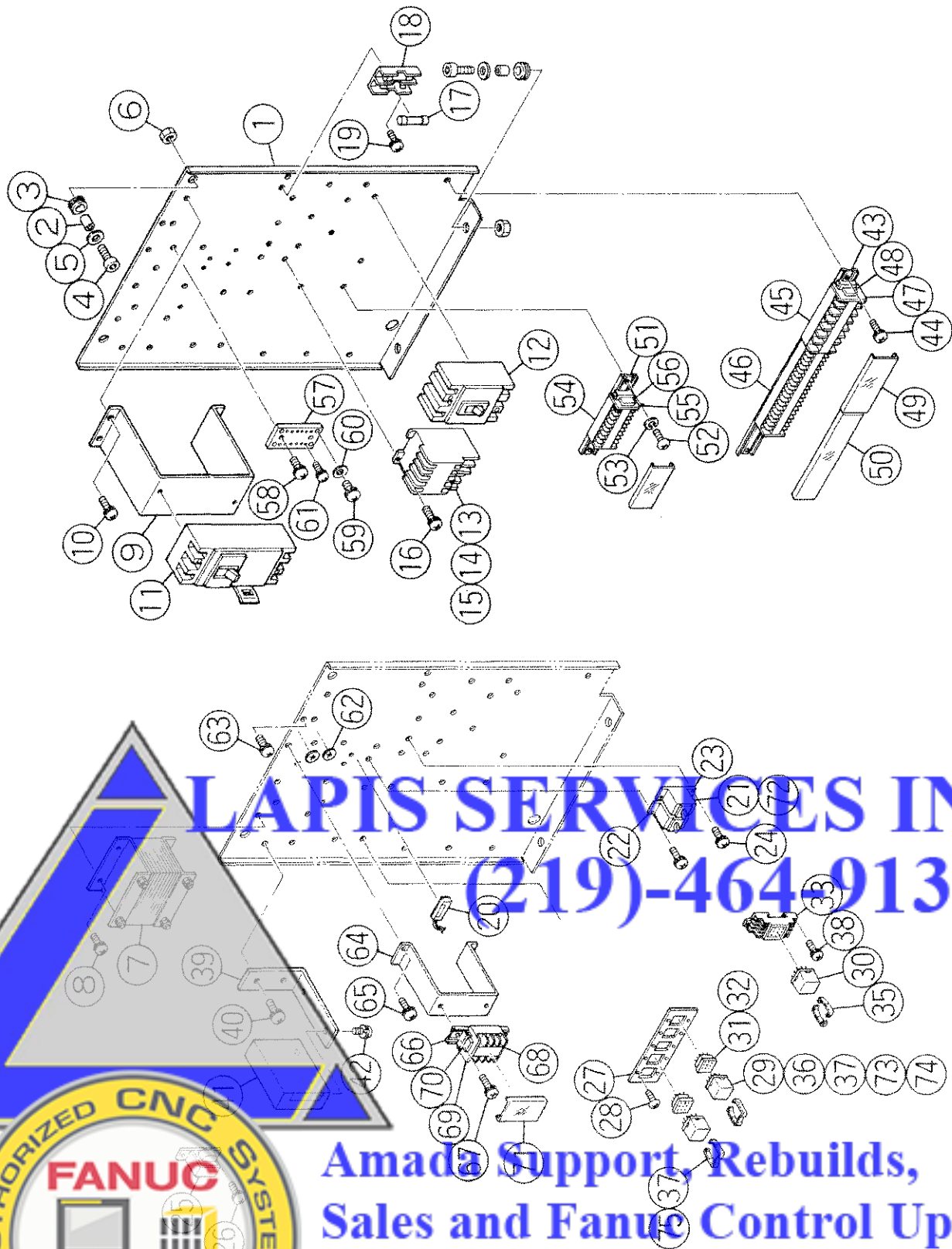
Unit No. 29  
Electric (2) – STD

From serial No. 50809508 and after.



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From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)                | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|-----------------------------|------|-----------|------|
| 1         | 36183547            | Apparatus setting plate     | 4128752D    |                             | 1    |           |      |
| 2         | 36140117            | Collar                      | 4091581A    |                             | 4    |           |      |
| 3         | 36141101            | Grommet                     |             | C30-NG79G (Takigen)         | 4    |           |      |
| 4         | 36147104 (74302813) | Cap screw                   |             | M6 x 12                     | 4    |           |      |
| 5         | 36147708            | Washer                      |             | M8 polish                   | 4    |           |      |
| 6         | 36147804 (36322524) | Nut                         |             | M6 type-2                   | 4    |           |      |
| 7         | 36140408            | Transformer TF1             |             | APT-200VA (Aporo)           | 1    |           |      |
| 8         | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8                      | 4    |           |      |
| 9         | 36140230            | Breaker base                | 4160044     |                             | 1    |           |      |
| 10        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8                      | 4    |           |      |
| 11        |                     | Circuit breaker NFB1        |             |                             |      |           |      |
|           | 36140712            | 230V                        |             | BU-ESA3040L 480V (Fuji)     | 1    |           |      |
|           | 36140716            | 480V                        |             | BU-ESA3030L 480V (Fuji)     | 1    |           |      |
| 12        |                     | Motor breaker NFB2          |             |                             |      |           |      |
|           | 36140836            | 230V                        |             | BU-ECA3030L 240V (Fuji)     | 1    |           |      |
|           | 36140839            | 480V                        |             | BU-ESA 3015L 480V (Fuji)    | 1    |           |      |
| 13        | 36140607            | Magnet switch M             |             | SW-2N AC100V 3φ 230V 5.5 kw | 1    |           |      |

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From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name                  | Drawing No. | Type (Maker)                  | Q'ty | Parts No. | Note |
|-----------|-----------|-----------------------------|-------------|-------------------------------|------|-----------|------|
| 14        |           | Thermal relay               |             |                               |      |           |      |
|           | 36140628  | 230V                        |             | TR2<br>3φ 230V 5.5 kw (Fuji)  | 1    |           |      |
|           | 36140608  | 460V                        |             | TR2<br>3φ 460V 5.5 kw (Fuji)  | 1    |           |      |
| 15        | 36140916  | Noise filter                |             | ENB221K14A (Fuji)             | 1    |           |      |
| 16        | 36177206  | Pan head sems screw (2-pcs) |             | M4 x 8                        | 2    |           |      |
| 17        |           | Fuse F1                     |             |                               |      |           |      |
|           | 36140922  | 230V                        |             | ATM3-A6Y-2<br>3A 600V (GOULD) | 2    |           |      |
|           | 36140921  | 460V                        |             | ATM2-A6Y-2<br>2A 600V (GOULD) | 2    |           |      |
| 18        | 36140017  | Fuse holder                 |             | 30322 (GOULD)                 | 1    |           |      |
| 19        | 36177206  | Pan head sems screw (2-pcs) |             | M4 x 8                        | 2    |           |      |
| 20        | 36140911  | Hour meter HM               |             | TM-25 (Fuji ceramic)          | 1    |           |      |
| 21        | 36140721  | Circuit protector CP1       |             | CP31E 1/2.5 (Fuji)            | 1    |           |      |
| 22        | 36183503  | Circuit protector CP2       |             | BA120505-0.5A (National)      | 1    |           |      |
| 23        | 36141403  | Socket                      |             | CP-S1 (Fuji)                  | 1    |           |      |
| 24        | 36177206  | Pan head sems screw (2-pcs) |             | M4 x 8                        | 4    |           |      |
| 25        | 36140407  | Transformer                 | 7935074     | TR-1                          | 1    |           |      |
| 26        | 36177211  | Pan head sems screw (2-pcs) |             | M5 x 8                        | 2    |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)       | Q'ty | Parts No.                                                                             | Note |
|-----------|---------------------|-----------------------------|-------------|--------------------|------|---------------------------------------------------------------------------------------|------|
| 27        | 36141407            | Socket setting plate        |             | PYP-18             | 1    |    |      |
| 28        | 36177201            | Pan head sems screw (2-pcs) |             | M3 x 6             | 4    |    |      |
| 29        | 36183518            | Control relay               |             | LY2 DC24V (OMRON)  | 3    |    |      |
| 30        | 36140901            | Control relay               |             | MY4 AC100V (OMRON) | 1    |    |      |
| 31        | 36183519            | Socket                      |             | PT08 (OMRON)       | 5    |    |      |
| 32        | 36183523            | Socket                      |             | PY14 (OMRON)       | 1    |    |      |
| 33        | 36141402 (76176440) | Socket                      |             | PYF14A (OMRON)     | 1    |    |      |
| 34        | 36183520            | Clip                        |             | PYC-P (OMRON)      | 4    |    |      |
| 35        | 36183625            | Clip                        |             | PYC-A1 (OMRON)     | 1    |    |      |
| 36        | 36183521            | Noise filter                |             | Z10L221 (Ishizuka) | 4    |    |      |
| 37        | 36183522            | Diode                       |             | 1BZ61 (Toshiba)    | 4    |   |      |
| 38        | 36177206            | Pan head sems screw (2-pcs) |             | M4 x 8             | 2    |  |      |
| 39        | 36183908            | Holder                      | 4-28763     |                    | 1    |  |      |
| 40        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8             | 2    |  |      |
| 41        | 36183501            | Regulator                   |             | ES-9-24 DC24V      | 1    |  |      |
| 42        | 36177201            | Pan head sems screw (2-pcs) |             | M3 x 6             | 2    |  |      |
| 43        | 36141205            | Channel Base                |             | BNP L=375 (Izumi)  | 1    |  |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)         | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|----------------------|------|-----------|------|
| 44        | 36177213            | Pan head sems screw (2-pcs) |             | M5 x 15              | 2    |           |      |
| 45        | 36141302            | Block terminal              |             | BN-50 (Izumi)        | 7    |           |      |
| 46        | 36141301            | Block terminal              |             | BN-15M (Izumi)       | 24   |           |      |
| 47        | 36140813            | End plate                   |             | BNE 50 (Izumi)       | 1    |           |      |
| 48        | 36141119            | Retainer                    |             | BNL 3 (Izumi)        | 2    |           |      |
| 49        | 36141320            | Terminal cover              |             | BNC 32 L=110 (Izumi) | 1    |           |      |
| 50        | 36141316            | Terminal cover              |             | BNC 22 L=220 (Izumi) | 1    |           |      |
| 51        | 36183510            | Channel base                |             | BNP L=175 (Izumi)    | 1    |           |      |
| 52        | 36176815 (74300707) | Pan head machine screw      |             | M6 x 15              | 2    |           |      |
| 53        | 36147608 (36323020) | Spring washer               |             | M6                   | 2    |           |      |
| 54        | 36183511            | Block terminal              |             | BN15                 | 22   |           |      |
| 55        | 36183512            | End plate                   |             | BNE15                | 1    |           |      |
| 56        | 36183513            | Retainer                    |             | BNL3                 | 2    |           |      |
| 57        | 36140215            | Earth plate                 | 4134094     |                      | 1    |           |      |
| 58        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8               | 2    |           |      |
| 59        | 36147308 (58250511) | Pan head machine screw      |             | M5 x 8               | 4    |           |      |
| 60        | 36147704            | Washer                      |             | M5 polish            | 4    |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)               | Q'ty | Parts No. | Note               |
|-----------|---------------------|-----------------------------|-------------|----------------------------|------|-----------|--------------------|
| 61        | 36147302 (74306414) | Pan head machine screw      |             | M4 x 8                     | 12   |           |                    |
| 62        | 36140026            | Sticker (earth)             |             | AS-K                       | 2    |           |                    |
| 63        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8                     | 1    |           |                    |
| 64        | 36140328            | Terminal base               | 4134105A    |                            | 1    |           |                    |
| 65        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8                     | 2    |           |                    |
| 66        | 36141201            | Channel base                |             | BNP L=112.5                | 1    |           |                    |
| 67        | 36177213            | Pan head sems screw (2-pcs) |             | M5 x 15                    | 2    |           |                    |
| 68        | 36141302            | Block terminal              |             | BN50                       | 4    |           |                    |
| 69        | 36140813            | End plate                   |             | BNE50                      | 1    |           |                    |
| 70        | 36141119            | Retainer                    |             | BNL3                       | 2    |           |                    |
| 71        | 36141319            | Terminal cover              |             | BNC32 L=70                 | 1    |           |                    |
| 72        | 36140722            | Circuit protector CP1       |             | CP31E I/3 (Fuji)           | 1    |           | Punch clamp option |
| 73        | 36183514 (36112745) | Control relay               |             | LY2 AC100V (OMRON)         | 1    |           | Punch clamp option |
| 74        | 36183948 (37117714) | Control relay               |             | MY2V 10 sec AC100V (OMRON) | 1    |           | Punch clamp option |
| 75        | 36183520            | Clip                        |             | PYC-P (OMRON)              | 2    |           | Punch clamp option |
|           |                     |                             |             |                            |      |           |                    |
|           |                     |                             |             |                            |      |           |                    |



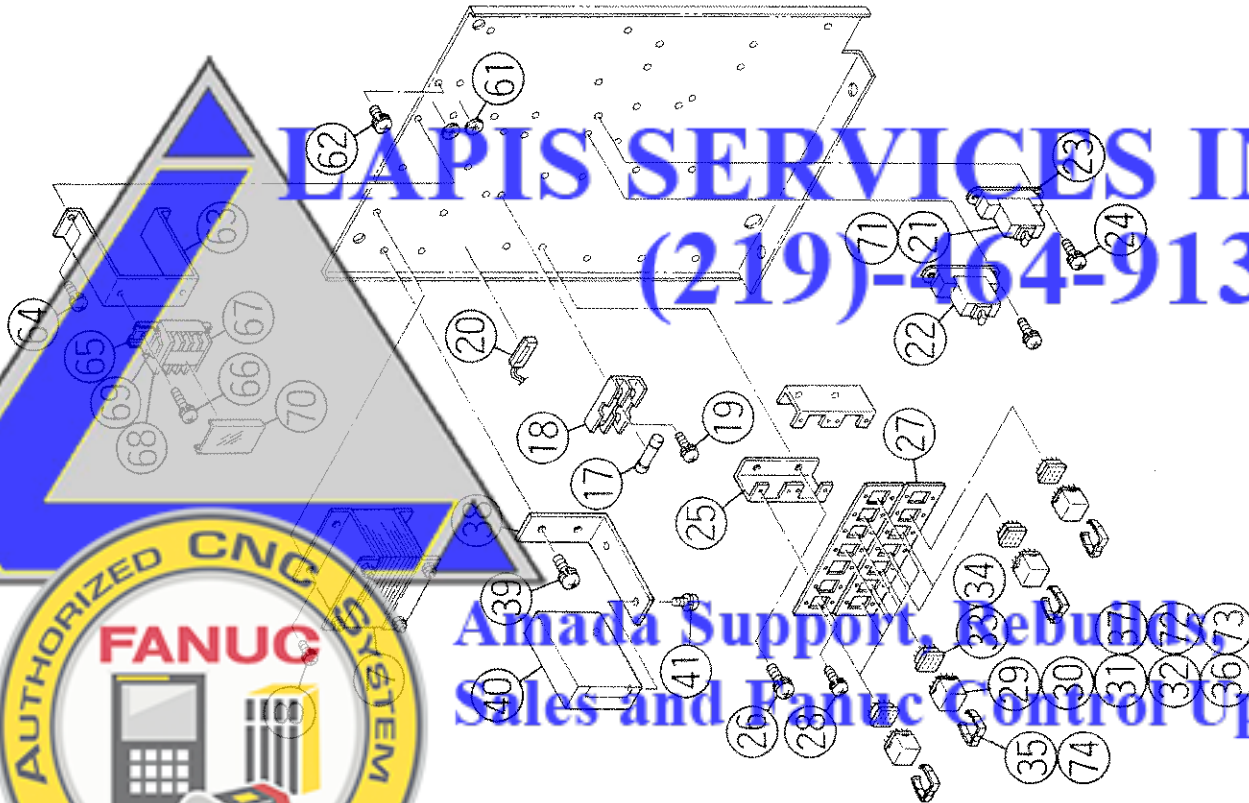
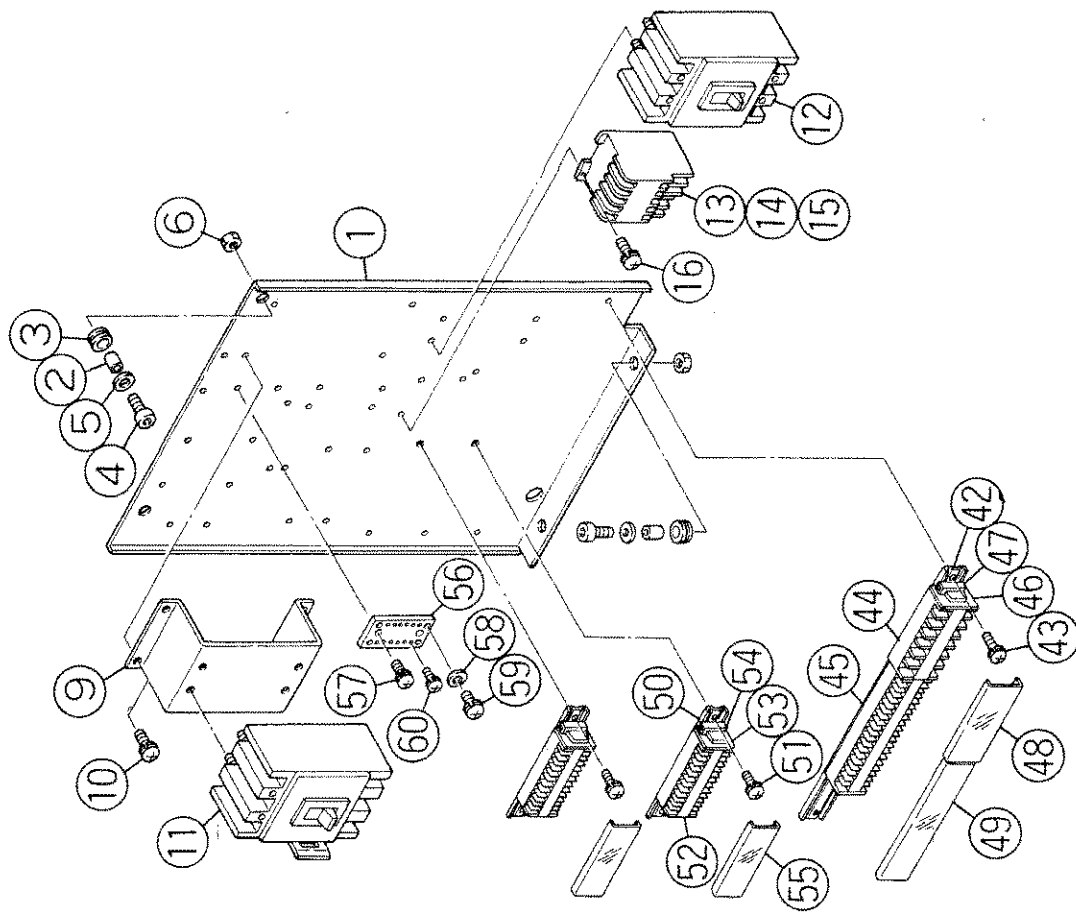
Unit No. 30  
Electric (3) – Multiple

From serial No. 50809508 and after.



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From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)                        | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|-------------------------------------|------|-----------|------|
| 1         | 36140325            | Apparatus setting plate     | 4160060     |                                     | 1    |           |      |
| 2         | 36140117            | Collar                      | 4091581A    |                                     | 4    |           |      |
| 3         | 36141101            | Grommet                     |             | C-30-NG-79-G (Takigen)              | 4    |           |      |
| 4         | 36147104 (74302813) | Cap screw                   |             | M6 x 12                             | 4    |           |      |
| 5         | 36147708            | Washer                      |             | M8 polish                           | 4    |           |      |
| 6         | 36147804 (36322524) | Nut                         |             | M6 type-2                           | 2    |           |      |
| 7         | 36140408            | Transformer TF1             |             | AFT-200VA (Osumi)                   | 1    |           |      |
| 8         | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8                              | 4    |           |      |
| 9         | 36140230            | Breaker base                | 4160044     |                                     | 1    |           |      |
| 10        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8                              | 4    |           |      |
| 11        |                     | Circuit breaker NFB1        |             |                                     |      |           |      |
|           | 36140713            | 230V                        |             | BU-ESA3050L 480V (Fuji)             | 1    |           |      |
|           | 36140712            | 480V                        |             | BU-ESA3040L 480V (Fuji)             | 1    |           |      |
| 12        |                     | Motor breaker NFB2          |             |                                     |      |           |      |
|           | 36140836            | 230V                        |             | BU-ECA3030L 240V (Fuji)             |      |           |      |
|           | 36140839            | 480V                        |             | BU-ESA3015L 480V (Fuji)             | 1    |           |      |
| 13        | 36140607            | Magnet switch               |             | SW-2N AC100V thermal 3φ 230V 5.5 kw | 1    |           |      |

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From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name                  | Drawing No. | Type (Maker)                  | Q'ty | Parts No. | Note |
|-----------|-----------|-----------------------------|-------------|-------------------------------|------|-----------|------|
| 14        |           | Thermal relay               |             |                               |      |           |      |
|           | 36140628  | 230V                        |             | TR2<br>3φ 230V 5.5 kw (Fuji)  | 1    |           |      |
|           | 36140608  | 460V                        |             | TR2<br>3φ 460V 5.5 kw (Fuji)  | 1    |           |      |
| 15        | 36140916  | Noise filter                |             | ENB221K-14A (Fuji)            | 1    |           |      |
| 16        | 36177206  | Pan head sems screw (2-pcs) |             | M4 x 8                        | 2    |           |      |
| 17        |           | Fuse F1                     |             |                               |      |           |      |
|           | 36140922  | 230V                        |             | ATM3-A6Y-2<br>3A 600V (GOULD) | 2    |           |      |
|           | 36140921  | 460V                        |             | ATM2-A6Y-2<br>2A 600V (GOULD) | 2    |           |      |
| 18        | 36140017  | Fuse holder                 |             | 30322 (GOULD)                 | 1    |           |      |
| 19        | 36177206  | Pan head sems screw (2-pcs) |             | M4 x 8                        | 2    |           |      |
| 20        | 36140911  | Hour meter HM               |             | TM-25 (Fuji ceramic)          | 1    |           |      |
| 21        | 36140721  | Circuit protector CP1       |             | CP31E I/2.5 (Fuji)            | 1    |           |      |
| 22        | 36140723  | Circuit protector CP2       |             | CP31E I/0.5 (Fuji)            | 1    |           |      |
| 23        | 36140103  | Socket                      |             | CP-S1 (Fuji)                  | 2    |           |      |
| 24        | 36177206  | Pan head sems screw (2-pcs) |             | M4 x 8                        | 4    |           |      |
| 25        | 36140125  | Bracket                     | 4095492A    |                               | 2    |           |      |
| 26        | 36177211  | Pan head sems screw (2-pcs) |             | M5 x 8                        | 4    |           |      |

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From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name                                         | Drawing No. | Type (Maker)        | Q'ty | Parts No. | Note |
|-----------|-----------|----------------------------------------------------|-------------|---------------------|------|-----------|------|
| 27        | 36141407  | Socket setting plate                               |             | PYP-18 (OMRON)      | 2    |           |      |
| 28        | 36177201  | Pan head sems screw (2-pcs)                        |             | M3 x 6              | 8    |           |      |
| 29        | 36183514  | Control relay R1                                   |             | LY2 AC100V (OMRON)  | 1    |           |      |
| 30        | 36183518  | Control relay R4, R9, R31, R43<br>CR24, CR28, CR29 |             | LY2 DC24V (OMRON)   | 7    |           |      |
| 31        | 36140901  | Control relay R40                                  |             | MY4 AC100V (OMRON)  | 1    |           |      |
| 32        | 36183516  | Control relay R2, R33                              |             | MY4 DC24V (OMRON)   | 2    |           |      |
| 33        | 36183519  | Socket                                             |             | PT08 (OMRON)        | 9    |           |      |
| 34        | 36141401  | Socket                                             |             | PY14 (OMRON)        | 4    |           |      |
| 35        | 36141120  | Clip                                               |             | PYC-P (OMRON)       | 11   |           |      |
| 36        | 36140906  | Noise filter                                       |             | Z10L221 (Ishizuka)  | 4    |           |      |
| 37        | 36183522  | Diode                                              |             | 1BZ61               | 9    |           |      |
| 38        | 36183908  | Holder                                             | 4128763     |                     | 1    |           |      |
| 39        | 36177211  | Pan head sems screw (2-pcs)                        |             | M5 x 8              | 2    |           |      |
| 40        | 36183501  | Regulator TF2                                      |             | ES-924 DC24V        | 1    |           |      |
| 41        | 36177201  | Pan head sems screw (2-pcs)                        |             | M3 x 6              | 2    |           |      |
| 42        | 36141203  | Chassis base                                       |             | BNP 387.5 L (Izumi) | 1    |           |      |
| 43        | 36177213  | Pan head sems screw (2-pcs)                        |             | M5 x 15             | 2    |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)        | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|---------------------|------|-----------|------|
| 44        | 36141302            | Terminal                    |             | BN50 (Izumi)        | 7    |           |      |
| 45        | 36141301            | Terminal                    |             | BN15M (Izumi)       | 28   |           |      |
| 46        | 36140813            | End plate                   |             | BNE 50 (Izumi)      | 1    |           |      |
| 47        | 36141119            | Clip                        |             | BNL 3 (Izumi)       | 2    |           |      |
| 48        | 36141320            | Terminal cover              |             | BNC32 110 L (Izumi) | 1    |           |      |
| 49        | 36141330            | Terminal cover              |             | BNC22 230 L (Izumi) | 1    |           |      |
| 50        | 36141208            | Channel base                |             | BNP 162.5 L (Izumi) | 2    |           |      |
| 51        | 36177213            | Pan head semi screw (2-pcs) |             | M5 x 15             | 4    |           |      |
| 52        | 36141301            | Terminal                    |             | BN15M (Izumi)       | 26   |           |      |
| 53        | 36183512            | End plate                   |             | BNE15 (Izumi)       | 2    |           |      |
| 54        | 36141119            | Clip                        |             | BNL3 (Izumi)        | 4    |           |      |
| 55        | 36141331            | Terminal cover              |             | BNC22 110 L (Izumi) | 2    |           |      |
| 56        | 36140215            | Plate (for ground)          | 4134094     |                     | 1    |           |      |
| 57        | 36177211            | Pan head semi screw (2-pcs) |             | M5 x 8              | 2    |           |      |
| 58        | 36147704            | Washer                      |             | M5 polish           | 4    |           |      |
| 59        | 36147308 (58250511) | Pan head machine screw      |             | M5 x 8              | 4    |           |      |
| 60        | 36147302 (74306414) | Pan head machine screw      |             | M4 x 8              | 12   |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)                | Q'ty | Parts No. | Note               |
|-----------|---------------------|-----------------------------|-------------|-----------------------------|------|-----------|--------------------|
| 61        | 36140026            | Sticker (ground)            |             | AS-K                        | 3    |           |                    |
| 62        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8                      | 1    |           |                    |
| 63        | 36140328            | Terminal base               | 4134105A    |                             | 1    |           |                    |
| 64        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8                      | 2    |           |                    |
| 65        | 36141201            | Channel base                |             | BNP L=112.5 (Izumi)         | 1    |           |                    |
| 66        | 36177213            | Pan head sems screw (2-pcs) |             | M5 x 15                     | 2    |           |                    |
| 67        | 36141303            | Terminal                    |             | BN 75 (Izumi)               | 4    |           |                    |
| 68        | 36140814            | End plate                   |             | BNE 75 (Izumi)              | 1    |           |                    |
| 69        | 36141119            | Clip                        |             | BNL 3 (Izumi)               | 2    |           |                    |
| 70        | 36141321            | Terminal cover              |             | BNC 42 L=85 (Izumi)         | 1    |           |                    |
| 71        | 36140722            | Circuit protector CP1       |             | CP31E I/3 (Fuji)            | 1    |           | Punch clamp option |
| 72        | 36183514 (36112745) | Control relay PR2           |             | LY2 AC100V (OMRON)          | 1    |           | Punch clamp option |
| 73        | 36183948 (37117714) | Control relay TR6           |             | MY2V 10 sec. AC100V (OMRON) | 1    |           | Punch clamp option |
| 74        | 36183520            | CP                          |             | PYCE (OMRON)                | 2    |           | Punch clamp option |
|           |                     |                             |             |                             |      |           |                    |
|           |                     |                             |             |                             |      |           |                    |
|           |                     |                             |             |                             |      |           |                    |



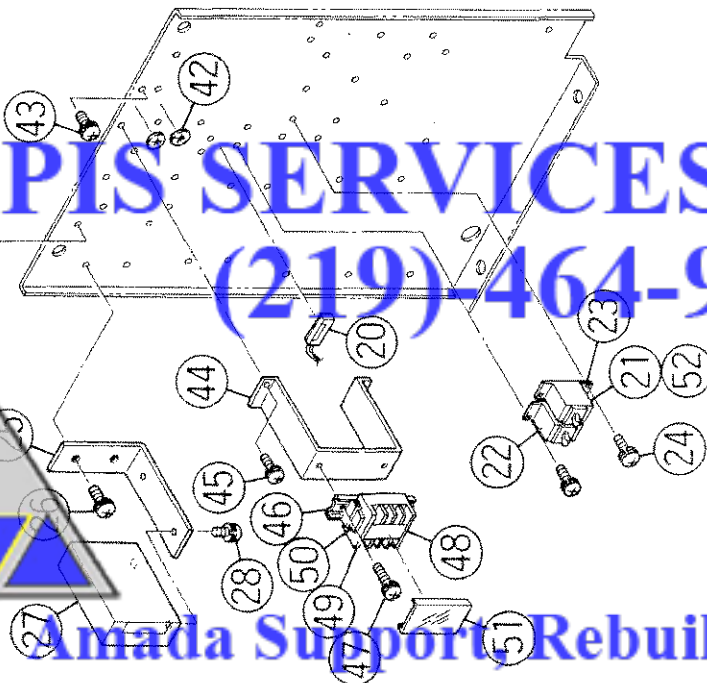
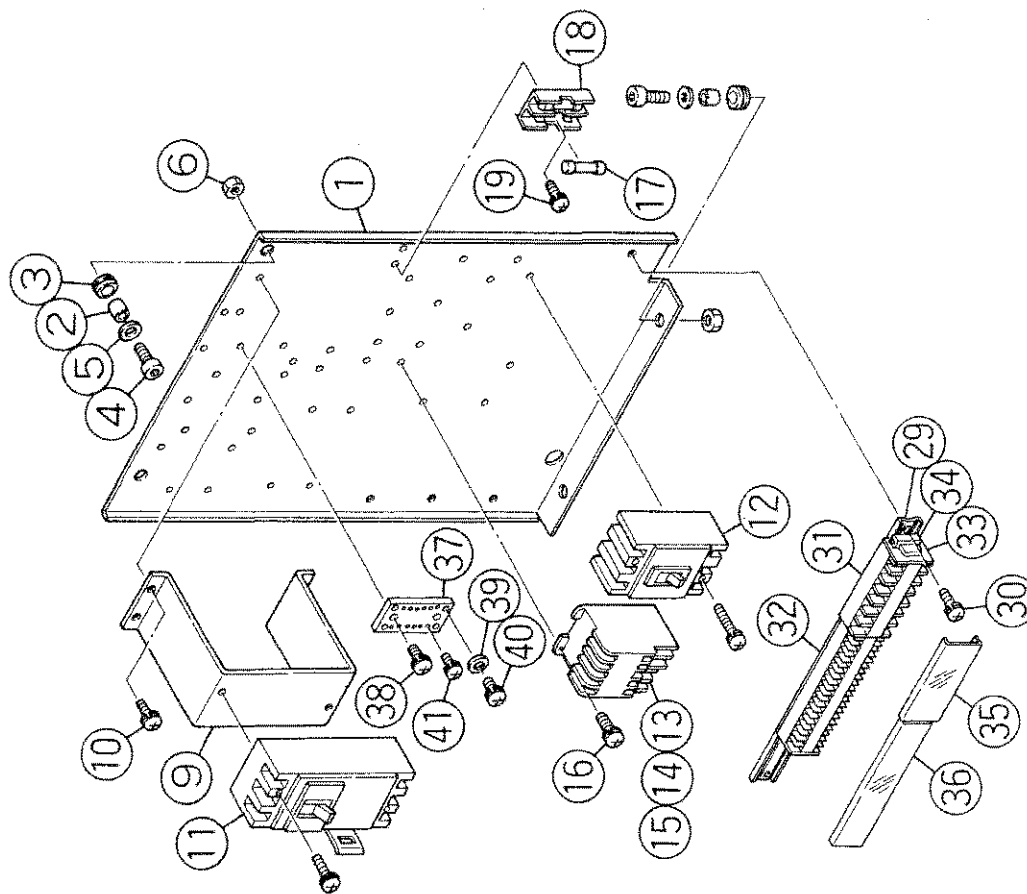
Unit No. 31  
Electric (4) – C-Multiple

From serial No. 50809508 and after.



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From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)                          | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|---------------------------------------|------|-----------|------|
| 1         | 36183547            | Apparatus setting plate     | 4128752D    |                                       | 1    |           |      |
| 2         | 36140117            | Collar                      | 4091581A    |                                       | 4    |           |      |
| 3         | 36141101            | Grommet                     |             | C-30-NG-79-G (Takigen)                | 4    |           |      |
| 4         | 36147104 (74302813) | Cap screw                   |             | M6 x 12                               | 4    |           |      |
| 5         | 36147708            | Washer                      |             | M8 polish                             | 4    |           |      |
| 6         | 36147804 (36322524) | Nut                         |             | M6 type-2                             | 2    |           |      |
| 7         | 36140408            | Transformer TF1             |             | APT-200VA (Osumi)                     | 1    |           |      |
| 8         | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8                                | 4    |           |      |
| 9         | 36140228            | Breaker base                | 4123966     |                                       | 1    |           |      |
| 10        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8                                | 4    |           |      |
| 11        |                     | Circuit breaker NFB1        |             |                                       |      |           |      |
|           | 36140712            | 230V                        |             | BU-ESA3040L 480V (Fuji)               | 1    |           |      |
|           | 36140716            | 480V                        |             | BU-ESA3030L 480V (Fuji)               | 1    |           |      |
| 12        |                     | Motor breaker NFB2          |             |                                       |      |           |      |
|           | 36140836            | 230V                        |             | BU-ECA3020L 240V (Fuji)               | 1    |           |      |
|           | 36140839            | 460V                        |             | BU-ESA3015L 480V (Fuji)               | 1    |           |      |
| 13        | 36140607            | Magnet switch               |             | SW-2N AC100V<br>3φ 230V 5.5 kw (Fuji) | 1    |           |      |

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| Index No. | Parts No. | Parts Name                  | Drawing No. | Type (Maker)                       | Q'ty | Parts No. | Note |
|-----------|-----------|-----------------------------|-------------|------------------------------------|------|-----------|------|
| 14        |           | Thermal relay               |             |                                    |      |           |      |
|           | 36140628  | 230V                        |             | TR2<br>3 $\phi$ 230V 5.5 kw (Fuji) | 1    |           |      |
|           | 36140608  | 460V                        |             | TR2<br>3 $\phi$ 460V 5.5 kw (Fuji) | 1    |           |      |
| 15        | 36140916  | Noise filter                |             | ENB221K-14A (Fuji)                 | 1    |           |      |
| 16        | 36177206  | Pan head sems screw (2-pcs) |             | M4 x 8                             | 2    |           |      |
| 17        |           | Fuse F1                     |             |                                    |      |           |      |
|           | 36140922  | 230V                        |             | ATM3-A6Y-2<br>3A 600V (GOULD)      | 2    |           |      |
|           | 36140921  | 460V                        |             | ATM2-A6Y-2<br>2A 600V (GOULD)      | 2    |           |      |
| 18        | 36140017  | Fuse holder                 |             | 30322 (GOULD)                      | 1    |           |      |
| 19        | 36177206  | Pan head sems screw (2-pcs) |             | M4 x 8                             | 2    |           |      |
| 20        | 36140911  | Hour meter HM               |             | TM-25 (Fuji ceramic)               | 1    |           |      |
| 21        | 36140721  | Circuit protector CP1       |             | CP31E I/2.5 (Fuji)                 | 1    |           |      |
| 22        | 36140723  | Circuit protector CP2       |             | CP31E I/0.5 (Fuji)                 | 1    |           |      |
| 23        | 36141403  | Socket                      |             | CP-S1 (Fuji)                       | 2    |           |      |
| 24        | 36177206  | Pan head sems screw (2-pcs) |             | M4 x 8                             | 4    |           |      |
| 25        | 36183908  | Holder                      | 4128763     |                                    | 1    |           |      |
| 26        | 36177211  | Pan head sems screw (2-pcs) |             | M5 x 8                             | 2    |           |      |

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From serial No. 50809508 and after.

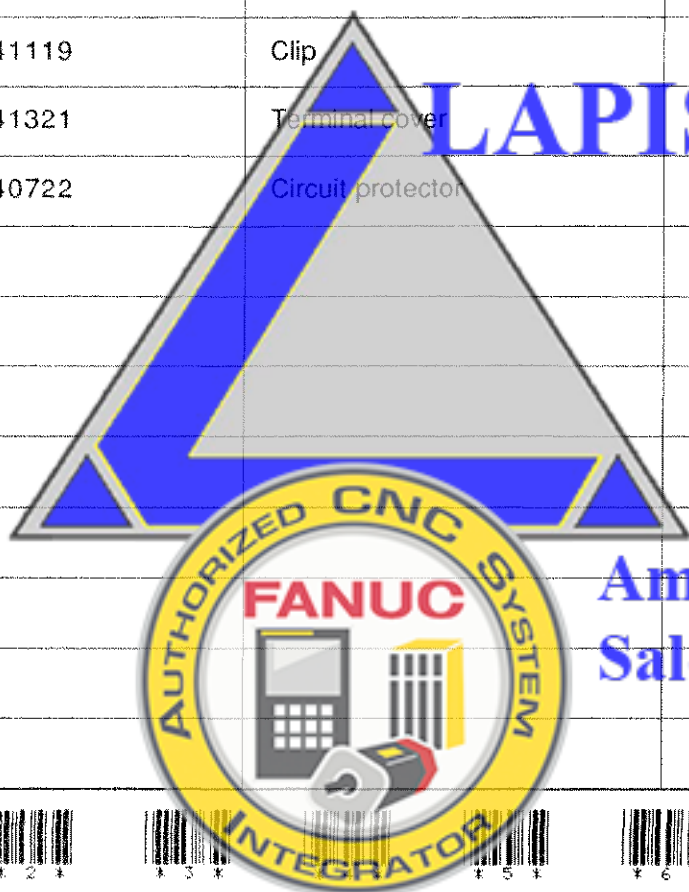
| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)        | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|---------------------|------|-----------|------|
| 27        | 36183501            | Regulator                   |             | ES-9-24 DC24V       | 1    |           |      |
| 28        | 36177201            | Pan head sems screw (2-pcs) |             | M3 x 6              | 2    |           |      |
| 29        | 36141203            | Channel base                |             | BNP 387.5 L (Izumi) | 1    |           |      |
| 30        | 36177213            | Pan head sems screw (2-pcs) |             | M5 x 15             | 2    |           |      |
| 31        | 36141302            | Terminal                    |             | BN50 (Izumi)        | 7    |           |      |
| 32        | 36141301            | Terminal                    |             | BN15M (Izumi)       | 25   |           |      |
| 33        | 36140813            | End plate                   |             | BNE 50 (Izumi)      | 1    |           |      |
| 34        | 36141119            | Clip                        |             | BNL 3 (Izumi)       | 2    |           |      |
| 35        | 36141320            | Terminal cover              |             | BNC32 110 L (Izumi) | 1    |           |      |
| 36        | 36141316            | Terminal cover              |             | BNC22 220 L (Izumi) | 1    |           |      |
| 37        | 36140215            | Plate (for ground)          | 4134094     |                     | 1    |           |      |
| 38        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8              | 2    |           |      |
| 39        | 36147704            | Washer                      |             | M5 polish           | 4    |           |      |
| 40        | 36147308 (58250511) | Pan head machine screw      |             | M5 x 8              | 4    |           |      |
| 41        | 36147302 (74306414) | Pan head machine screw      |             | M4 x 8              | 12   |           |      |
| 42        | 36140026            | Sticker (ground)            |             | AS-K                | 3    |           |      |
| 43        | 36177211            | Pan head sems screw (2-pcs) |             | M5 x 8              | 1    |           |      |



| Index No. | Parts No. | Parts Name                  | Drawing No. | Type (Maker)        | Q'ty | Parts No. | Note |
|-----------|-----------|-----------------------------|-------------|---------------------|------|-----------|------|
| 44        | 36140328  | Terminal base               | 4134105A    |                     | 1    |           |      |
| 45        | 36177211  | Pan head sems screw (2-pcs) |             | M5 x 8              | 2    |           |      |
| 46        | 36141201  | Channel base                |             | BNP L=112.5 (Izumi) | 1    |           |      |
| 47        | 36177213  | Pan head sems screw (2-pcs) |             | M5 x 15             | 2    |           |      |
| 48        | 36141303  | Terminal                    |             | BN 75 (Izumi)       | 4    |           |      |
| 49        | 36140814  | End plate                   |             | BNE 75 (Izumi)      | 1    |           |      |
| 50        | 36141119  | Clip                        |             | BNL 3 (Izumi)       | 2    |           |      |
| 51        | 36141321  | Terminal cover              |             | BNC 42 L=35 (Izumi) | 1    |           |      |
| 52        | 36140722  | Circuit protector           |             | CP31E I/3 (Fuji)    | 1    |           |      |

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## Amada Support, Rebuilds, Sales and Fanuc Control Upgrade

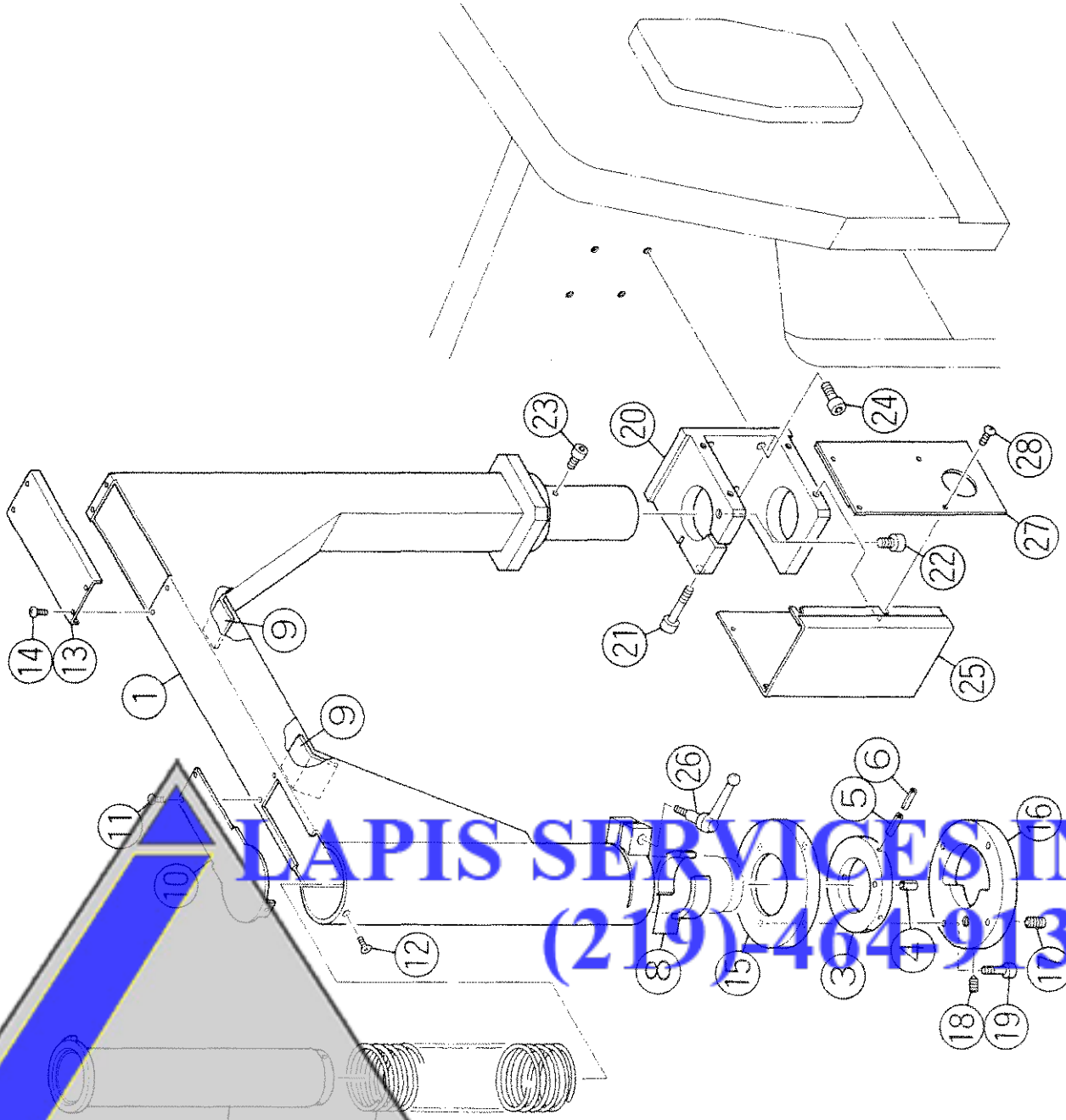
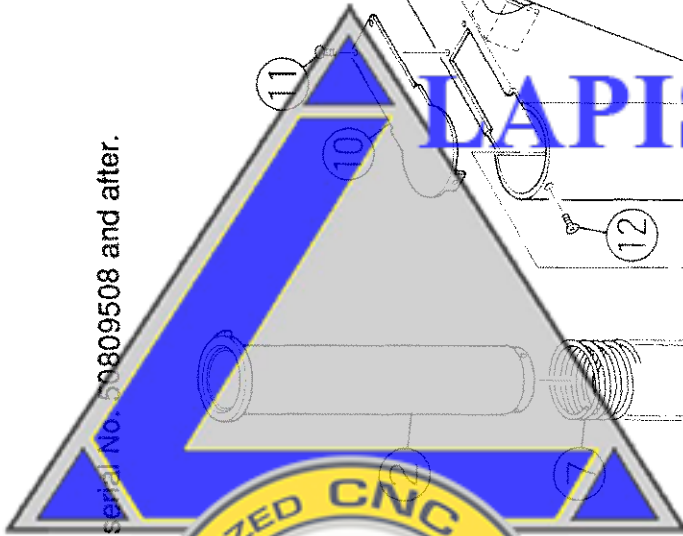


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**Amada Support, Rebuilds,  
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Unit No. 32  
Pendant arm

From serial No. 59809508 and after.



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Amada Support, Rebuilds,  
Sales and Fanuc Control Upgrade

From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                     | Drawing No. | Type (Maker) | Q'ty  | Parts No. | Note |
|-----------|---------------------|--------------------------------|-------------|--------------|-------|-----------|------|
| 1         | 36181305            | Arm                            | 4128943A    |              | 1     |           |      |
| 2         | 36181313            | Post                           | 4128949A    |              | 1     |           |      |
| 3         | 36181333            | Flange                         | 4128950A    |              | 1     |           |      |
| 4         | 36177025            | Spring pin                     |             | Φ8 x 18      | 1     |           |      |
| 5         | 36177023            | Spring pin                     |             | Φ6 x 28      | 3     |           |      |
| 6         | 36177014            | Spring pin                     |             | Φ3.5 x 28    | 3     |           |      |
| 7         | 36181337            | Spring                         | 4128951     |              | 1     |           |      |
| 8         | 36181340            | Bushing                        | 4128952A    |              | 1 set |           |      |
| 9         | 36181343            | Corner piece                   | 4128953     |              | 2     |           |      |
| 10        | 36181327            | Cover (1)                      | 4128954     |              | 1     |           |      |
| 11        | 36176821 (58250511) | Pan head machine screw         |             | M5 x 8       | 2     |           |      |
| 12        | 36177066            | Countersink head machine screw |             | M5 x 8       | 1     |           |      |
| 13        | 36181328            | Cover (2)                      | 4128955A    |              | 1     |           |      |
| 14        | 36176821 (58250511) | Pan head machine screw         |             | M5 x 8       | 4     |           |      |
| 15        | 36181346            | Ring                           | 4128956     |              | 1     |           |      |
| 16        | 36181349            | Bottom plate                   | 4128957     |              | 1     |           |      |
| 17        | 36181362            | Ball plunger                   |             | BP-12-H      | 1     |           |      |

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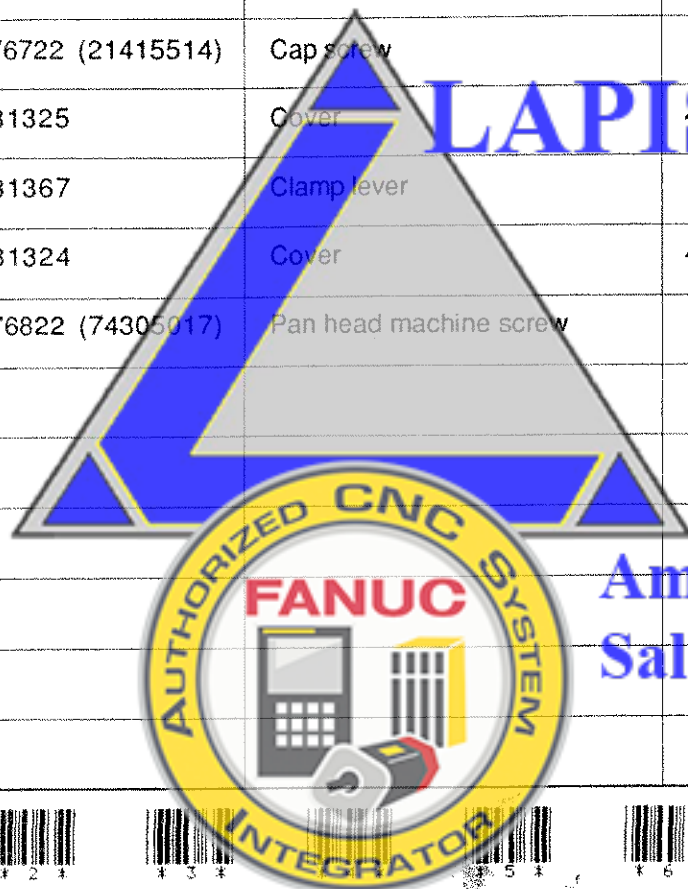


From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name             | Drawing No. | Type (Maker)     | Q'ty | Parts No.                                                                            | Note |
|-----------|---------------------|------------------------|-------------|------------------|------|--------------------------------------------------------------------------------------|------|
| 18        | 36176908 (36323029) | Set screw              |             | M6 x 10 cone end | 1    |   |      |
| 19        | 36176717 (75168508) | Cap screw              |             | M6 x 25          | 4    |   |      |
| 20        | 36181353            | Hing bracket           | 4128958A    |                  | 1    |   |      |
| 21        | 36176724 (74314411) | Cap screw              |             | M8 x 50          | 1    |   |      |
| 22        | 36176743            | Cap screw              |             | M10 x 12         | 1    |   |      |
| 23        | 36176711 (74302812) | Cap screw              |             | M6 x 10          | 1    |   |      |
| 24        | 36176722 (21415514) | Cap screw              |             | M8 x 25          | 4    |   |      |
| 25        | 36181325            | Cover                  | 4128959     |                  | 1    |   |      |
| 26        | 36181367            | Clamp lever            |             | KB10-30 (Imao)   | 1    |   |      |
| 27        | 36181324            | Cover                  | 4128947     |                  | 1    |   |      |
| 28        | 36176822 (74305017) | Pan head machine screw |             | M5 x 10          | 6    |  |      |

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## Amada Support, Rebuilds, Sales and Fanuc Control Upgrade

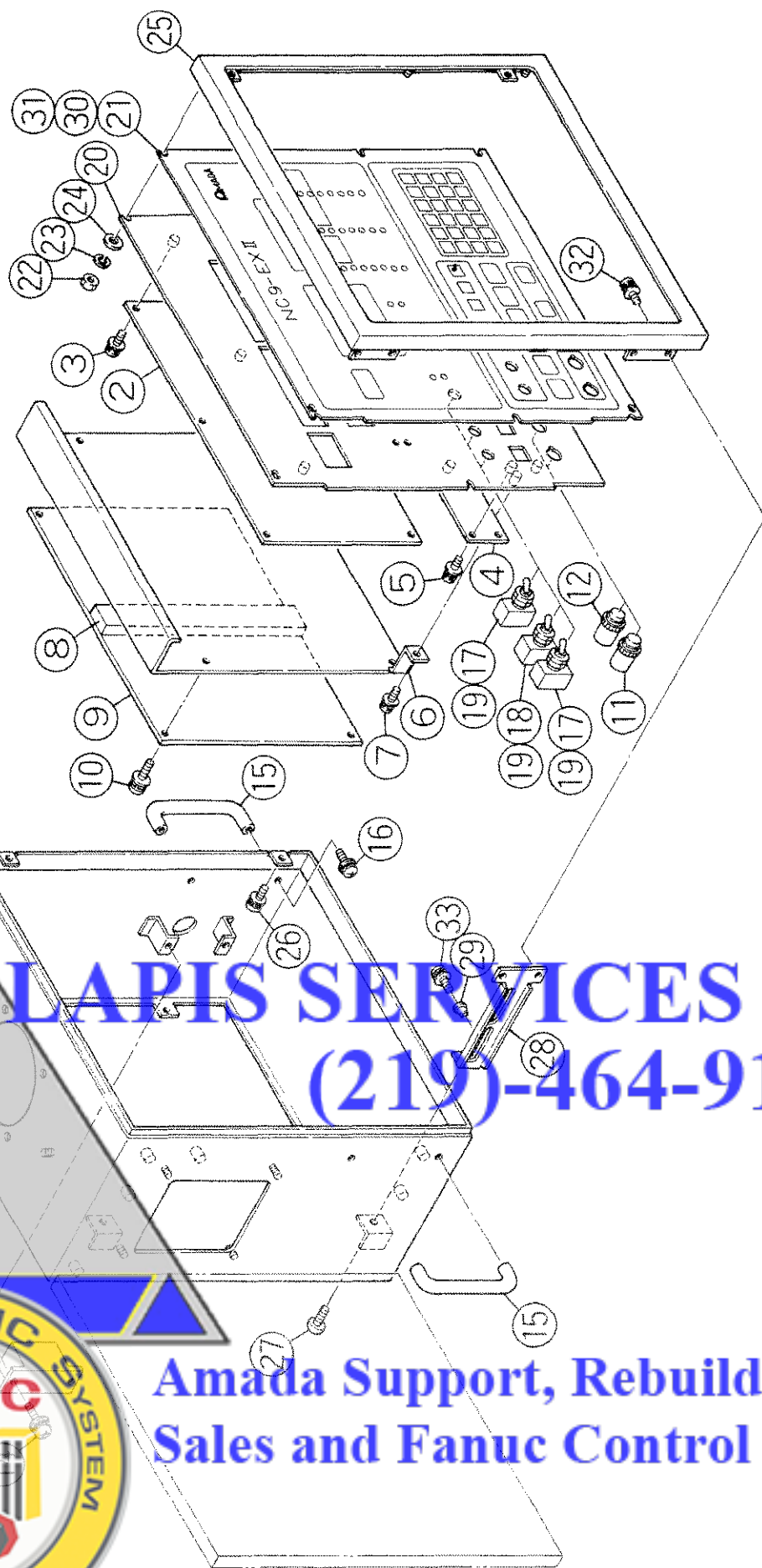


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**Amada Support, Rebuilds,  
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Unit No. 33  
Pendant box (1)

From serial No. 50809508 and after.



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Sales and Fanuc Control Upgrade**

From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)            | Q'ty  | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|-------------------------|-------|-----------|------|
| 1         | 36149104            | Pendant case                | M1078502B   |                         | 1     |           |      |
| 2         | 36149201            | DISP board ass'y            | M60210      |                         | 1 set |           |      |
| 3         | 36186801            | Pan head sems screw (3-pcs) |             | M3 x 6 polish           | 6     |           |      |
| 4         | 36149203            | KEY board ass'y             | M60220      |                         | 1 set |           |      |
| 5         | 36186801            | Pan head sems screw (3-pcs) |             | M3 x 6 polish           | 6     |           |      |
| 6         | 36149216            | CPU bracket                 | M10787      |                         | 1     |           |      |
| 7         | 36186802            | Pan head sems screw (3-pcs) |             | M3 x 8 polish           | 2     |           |      |
| 8         | 36149217            | P.B.C. spacer               | M28027      |                         | 1     |           |      |
| 9         | 36149205            | CPU board ass'y             | M6012A      |                         | 1 set |           |      |
| 10        | 36186806            | Pan head sems screw (3-pcs) |             | M3 x 16                 | 4     |           |      |
| 11        | 36183412            | Push switch (power on)      | E421100028  | MHM-1S-0-R-BS1 (red)    | 1     |           |      |
| 12        | 36183411            | Push switch (power off)     | E421100029  | MHM-1S-0-G-BS1 (green)  | 1     |           |      |
| 13        | 36183330            | Buzzer                      | E441100001  | EB2114 (24V) (National) | 1     |           |      |
| 14        | 36186803            | Pan head sems screw (3-pcs) |             | M3 x 10 polish          | 2     |           |      |
| 15        | 36183365            | Pull                        |             | A 42-C-6 (Takigen)      | 2     |           |      |
| 16        | 36186811            | Pan head sems screw (3-pcs) |             | M5 x 10                 | 4     |           |      |
| 17        | 36183401 (36004335) | Toggle switch               | SW1, 3      | E421200009 S-2A (NKK)   | 2     |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)  | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|---------------|------|-----------|------|
| 18        | 36183402 (36004336) | Toggle switch SW2           | E421200011  | S-3A (NKK)    | 1    |           |      |
| 19        | 36149401 (36330738) | Setting ring                | E499900023  | AT-506 (NKK)  | 3    |           |      |
| 20        | 36149218            | Panel bracket               | M10791E     |               | 1    |           |      |
| 21        | 36149220 36077097   | Seat panel 264.64           | M24041      |               | 1    |           |      |
| 22        | 36176811 (36329928) | Nut                         |             | M3 type-2     | 4    |           |      |
| 23        | 36176916 (74307612) | Spring washer               |             | M3            | 4    |           |      |
| 24        | 36177102            | Washer                      |             | M3 polish     | 4    |           |      |
| 25        | 36149110            | Front panel                 | M1079202C   |               | 1    |           |      |
| 26        | 36186801            | Pan head semi screw (3-pcs) |             | M3 x 6 polish | 2    |           |      |
| 27        | 36176818            | Pan head machine screw      |             | M4 x 10       | 2    |           |      |
| 28        | 36149114            | Stop bar                    | M1079301    |               | 2    |           |      |
| 29        | 36149115            | Stop bar retainer           | M1079302    |               | 4    |           |      |
| 30        | 36149224            | Screen (1)                  | M24058      | (Asahi)       | 3    |           |      |
| 31        | 36149225            | Screen (2)                  | M24059      | (Asahi)       | 1    |           |      |
| 32        | 36186809            | Pan head semi screw (3-pcs) |             | M4 x 8        | 4    |           |      |
| 33        | 36177225 (7542105)  | Pan head semi screw (3-pcs) |             | M4 x 10       | 4    |           |      |

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**LAPIS SERVICES INC**  
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Unit No. 34

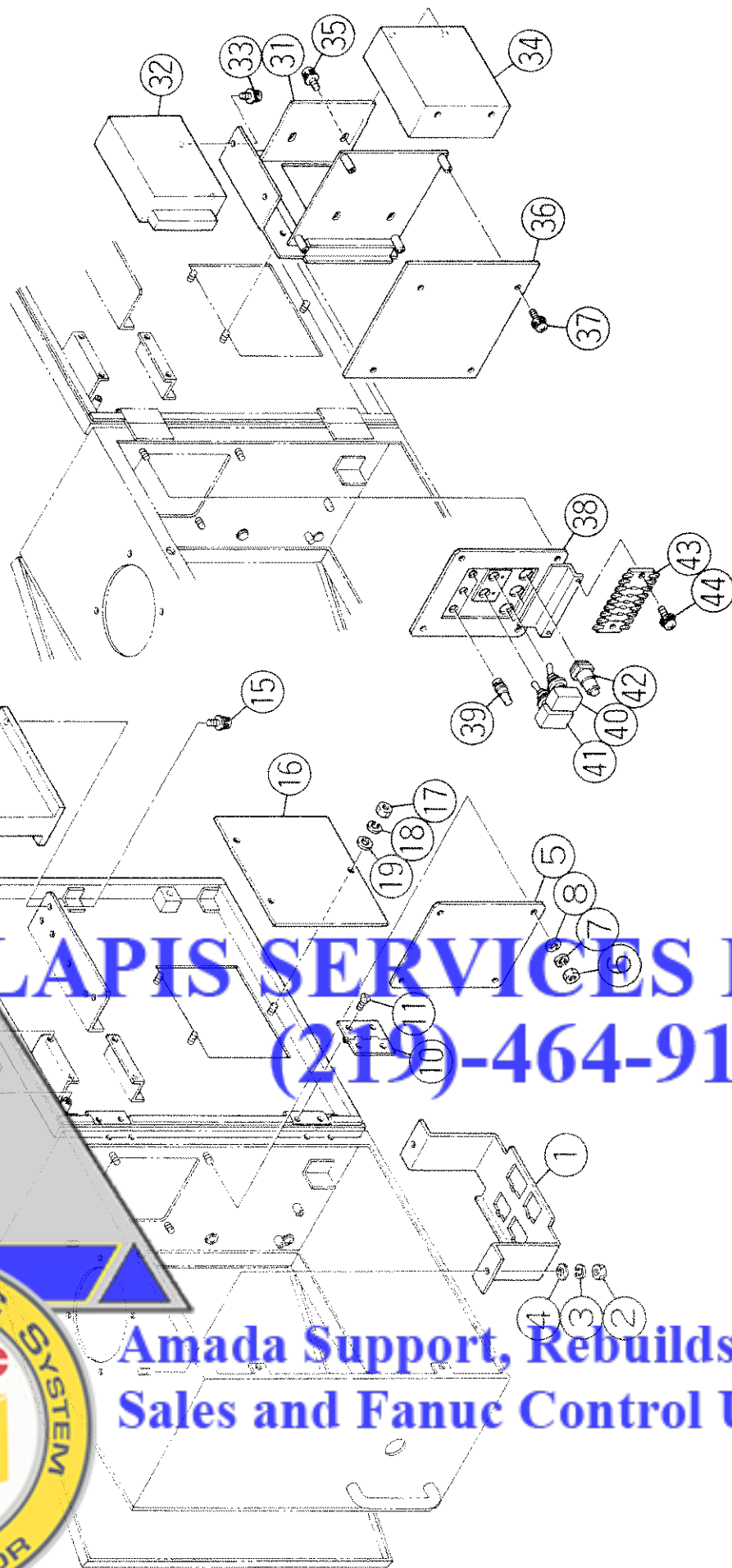
Pendant box (2)

From serial No. 50809508 and after.



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From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                     | Drawing No. | Type (Maker)      | Q'ty  | Parts No. | Note |
|-----------|---------------------|--------------------------------|-------------|-------------------|-------|-----------|------|
| 1         | 36149230            | Connector holder               | M10839      |                   | 1     |           |      |
| 2         | 36181134            | Nut                            |             | M4 type-2         | 2     |           |      |
| 3         | 36176918 (44027327) | Spring washer                  |             | M4                | 2     |           |      |
| 4         | 36177104            | Washer                         |             | M4 polish         | 2     |           |      |
| 5         | 36149122            | Cover plate                    | M1084002    |                   | 1     |           |      |
| 6         | 36176811            | Nut                            |             | M3 type-2         | 4     |           |      |
| 7         | 36176916 (74307612) | Spring washer                  |             | M3                | 4     |           |      |
| 8         | 36177102            | Washer                         |             | M3 polish         | 4     |           |      |
| 9         | 36149111            | Pendant rear cover             | M1078802    |                   |       |           |      |
| 10        | 36183361            | Hinge                          |             | B-102-4 (Takigen) | 2     |           |      |
| 11        | 36177064            | Countersink head machine screw |             | M4 x 8            | 8     |           |      |
| 12        | 36149210            | P.C.B. (REG)                   | E020000010  | S-2852            | 1 set |           |      |
| 13        | 36186806            | Pan head semi screw (3-pcs)    |             | M3 x 16           | 4     |           |      |
| 14        | 36149411            | SV regulator                   | E600000032  | 5V 10A (Stanley)  | 1     |           |      |
| 15        | 36186803            | Pan head semi screw (3-pcs)    |             | M3 x 10 polish    | 3     |           |      |
| 16        | 36149123            | Cover plate                    | M1084102    |                   | 1     |           |      |
| 17        | 36176811            | Nut                            |             | M3 type-2         | 3     |           |      |

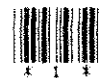
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**Amada Support, Rebuilds,  
Sales and Fanuc Control Upgrade**



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                     | Drawing No. | Type (Maker)            | Q'ty | Parts No. | Note        |
|-----------|---------------------|--------------------------------|-------------|-------------------------|------|-----------|-------------|
| 18        | 36176916 (74307612) | Spring washer                  |             | M3                      | 3    |           |             |
| 19        | 36177102            | Washer                         |             | M3 polish               | 3    |           |             |
| 20        | 36149422            | Packing                        |             | 10 x 20 x 2000          | 1    |           |             |
| 21        | 36177067 (44253227) | Countersink head machine screw |             | M4 x 30                 | 2    |           |             |
| 22        | 36186801            | Pan head sems screw (3-pcs)    |             | M3 x 6                  | 3    |           |             |
| 23        | 36149301            | Wire harness EXII-E            | E890000529  | Pendant                 | 1    |           |             |
| 24        | 36149302            | Wire harness EXII-i            | E800000037  | KEY BD cable            | 1    |           |             |
| 25        | 36149303            | Wire harness EXII-J            | E800000038  | DISP BD cable           | 1    |           |             |
| 26        | 36149304            | Wire harness EXII-K            | E890000533  | DISP, BD-KEY BD         | 1    |           |             |
| 27        | 36149305            | Wire harness EXII-L            | E890000534  | +5V                     | 1    |           |             |
| 28        | 36149306            | Wire harness EXII-M            | E890000535  | Front panel             | 1    |           |             |
| 29        | 36149307            | Wire harness EXII-N            | E890000536  | Door earth cable        | 1    |           |             |
| 30        | 36149308            | Wire harness EXII-O            | E890000537  | DISP, BD                | 1    |           |             |
| 31        | 36149128            | Cassette deck chassis          | M1084202A   |                         | 1    |           | CMT, option |
| 32        | 36183465            | SV regulator                   | E600000021  | SS25U-12 - 2A (Stanley) | 1    |           | CMT, option |
| 33        | 36186801            | Pan head sems screw (3-pcs)    |             | M3 x 6 polish           | 2    |           | CMT, option |
| 34        | 36183311            | Cassette                       | E603000001  | MT-2R-02 (TEAC)         | 1    |           | CMT, option |



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From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                        | Drawing No. | Type (Maker)             | Q'ty  | Parts No.                                                                             | Note        |
|-----------|---------------------|-----------------------------------|-------------|--------------------------|-------|---------------------------------------------------------------------------------------|-------------|
| 35        | 36186801            | Pan head sems screw (3-pcs)       |             | M3 x 6 polish            | 4     |    | CMT, option |
| 36        | 36149212            | P.C.B. (cassette)                 | E000000085  | S-2476C                  | 1 set |    | CMT, option |
| 37        | 36186801            | Pan head sems screw (3-pcs)       |             | M3 x 6                   | 4     |    | CMT, option |
| 38        | 36149129            | Deck control plate                | M1084302A   |                          | 1     |    | CMT, option |
| 39        | 36183015            | Light emission diode (LED1, 2, 3) |             | SDB-205B green (Stanley) | 3     |    | CMT, option |
| 40        | 36183401 (36004335) | Toggle switch SW4                 |             | S-2A AT-506 (NKK)        | 1     |    | CMT, option |
| 41        | 36149402            | Toggle switch SW5                 |             | S-208 AT-506 (NKK)       | 1     |    | CMT, option |
| 42        | 36183408 (36004326) | Switch                            |             | MHM-1S4MBS1              | 3     |    | CMT, option |
| 43        | 36183417            | Block terminal TB1                | E504000109  | CF9P                     | 1     |    | CMT, option |
| 44        | 36186803            | Pan head sems screw (3-pcs)       |             | M3 x 10                  | 2     |   | CMT, option |
| 45        | 36149317            | Wire harness EXII-CMT1            | E800000039  | CMT1 cable               | 1     |  | CMT, option |
| 46        | 36149318            | Wire harness EXII-CMT2            | E8900000540 | Cassette panel           | 1     |  | CMT, option |
| 47        | 36149319            | Wire harness EXII-CMT3            | E8900000541 | +10V                     | 1     |  | CMT, option |
| 48        | 36149320            | Wire harness EXII-CMT4            | E8000000040 | CMT4 cable               | 1     |  | CMT, option |
| 49        | 36149416            | Clamp                             | E711100003  | NK-6N                    | 2     |  | CMT, option |
| 50        | 36149417            | Clamp                             | E711110002  | MFC-1000                 | 3     |  | CMT, option |

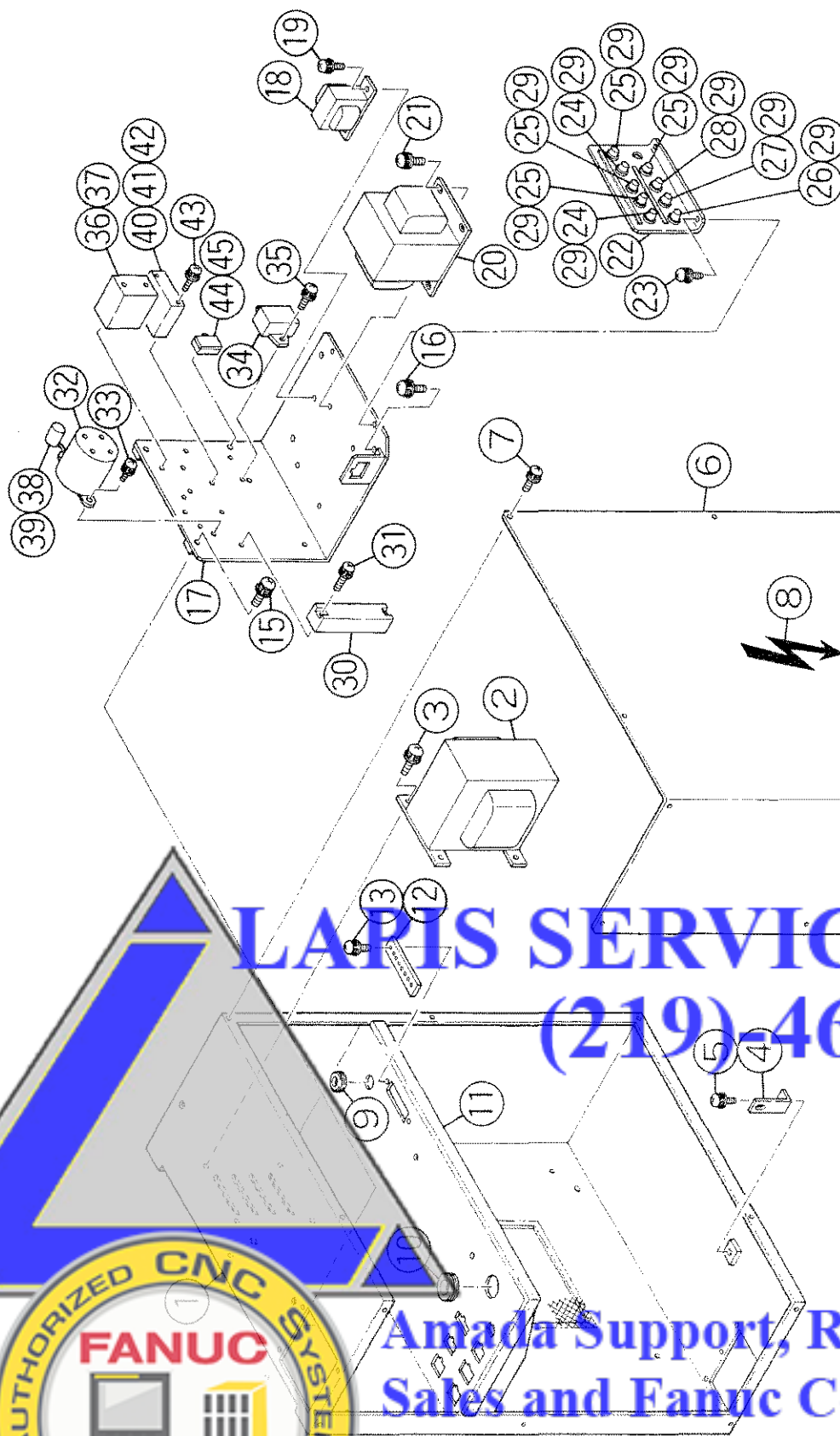
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Unit No. 35  
Electrical box (1)

From serial No. 50809508 and after.



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From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name                  | Drawing No. | Type (Maker)         | Q'ty  | Parts No. | Note |
|-----------|-----------|-----------------------------|-------------|----------------------|-------|-----------|------|
| 1         | 36149604  | Control box                 | M1079602D   |                      | 1     |           |      |
| 2         | 36149721  | Transformer T2              | E400100018  | PT 1.0 KVA (Stanley) | 1     |           |      |
| 3         | 36186804  | Pan head sems screw (3-pcs) |             | M3 x 12 polish       | 4     |           |      |
| 4         | 36149610  | Bracket                     | M10825      |                      | 1     |           |      |
| 5         | 36186809  | Pan head sems screw (3-pcs) |             | M4 x 8 polish        | 2     |           |      |
| 6         | 36149608  | Cover                       | M1079902A   |                      | 1     |           |      |
| 7         | 36186809  | Pan head sems screw (3-pcs) |             | M4 x 8 polish        | 10    |           |      |
| 8         | 36149614  | Sticker (electric)          | M8000705A   |                      | 1     |           |      |
| 9         | 36149728  | Rubber bushing              |             | MG-3                 | 1     |           |      |
| 10        | 36149729  | Rubber bushing              |             | MG-9                 | 1     |           |      |
| 11        | 36149618  | Rubber packing              | M2603701    |                      | 1     |           |      |
| 12        | 36149611  | Earth bar                   | M10824A     |                      | 1     |           |      |
| 13        | 36379120  | Pan head sems screw (3-pcs) |             | M4 x 10 polish       | 7     |           |      |
| 14        | 36149624  | Power unitless              | M9022902A   |                      | 1 set |           |      |
| 15        | 36177226  | Pan head sems screw (3-pcs) |             | M6 x 20 polish       | 2     |           |      |
| 16        | 36186814  | Pan head sems screw (3-pcs) |             | M6 x 16 polish       | 2     |           |      |
| 17        | 36149623  | Power base                  | M10797A     |                      | 1     |           |      |

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From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name                  | Drawing No. | Type (Maker)        | Q'ty | Parts No. | Note |
|-----------|-----------|-----------------------------|-------------|---------------------|------|-----------|------|
| 18        | 36183706  | Transformer T1              | E400100005  | J-203               | 1    |           |      |
| 19        | 36186809  | Pan head sems screw (3-pcs) |             | M4 x 8 polish       | 2    |           |      |
| 20        | 36183705  | Transformer T2              | E400100008  | PT272 VA            | 1    |           |      |
| 21        | 36186811  | Pan head sems screw (3-pcs) |             | M5 x 10 polish      | 4    |           |      |
| 22        | 36149628  | Fuse bracket                | M10802      |                     | 1    |           |      |
| 23        | 36186809  | Pan head sems screw (3-pcs) |             | M4 x 8 polish       | 2    |           |      |
| 24        | 36183715  | Fuse F1, 4                  | E412020024  | MF61NR6A            | 2    |           |      |
| 25        | 36183711  | Fuse F2, 3, 5, 9            | E412020009  | MF61NR0.5A          | 4    |           |      |
| 26        | 36183712  | Fuse F6                     | E412020015  | MF61NR1.5A          | 1    |           |      |
| 27        | 36183714  | Fuse F7                     | E412020018  | MF61NR2.5A          | 1    |           |      |
| 28        | 36183713  | Fuse F8                     | E412020017  | MF61NR2A            | 1    |           |      |
| 29        | 36183710  | Fuse holder                 | E499200004  | SN-1301             | 9    |           |      |
| 30        | 36149724  | Terminal block TB1          | E510000108  | K-05-8P (Kowa)      | 1    |           |      |
| 31        | 36177121  | Pan head sems screw (3-pcs) |             | M4 x 20             | 2    |           |      |
| 32        | 36183620  | Noise filter NF1            | E402000008  | SSCD-3000 (Stanley) | 1    |           |      |
| 33        | 36186809  | Pan head sems screw (3-pcs) |             | M4 x 8 polish       | 3    |           |      |
| 34        | 36183621  | Noise filter NF2            | E402000010  | SSKF-0500 (Stanley) | 1    |           |      |



From serial No. 50809508 and after.

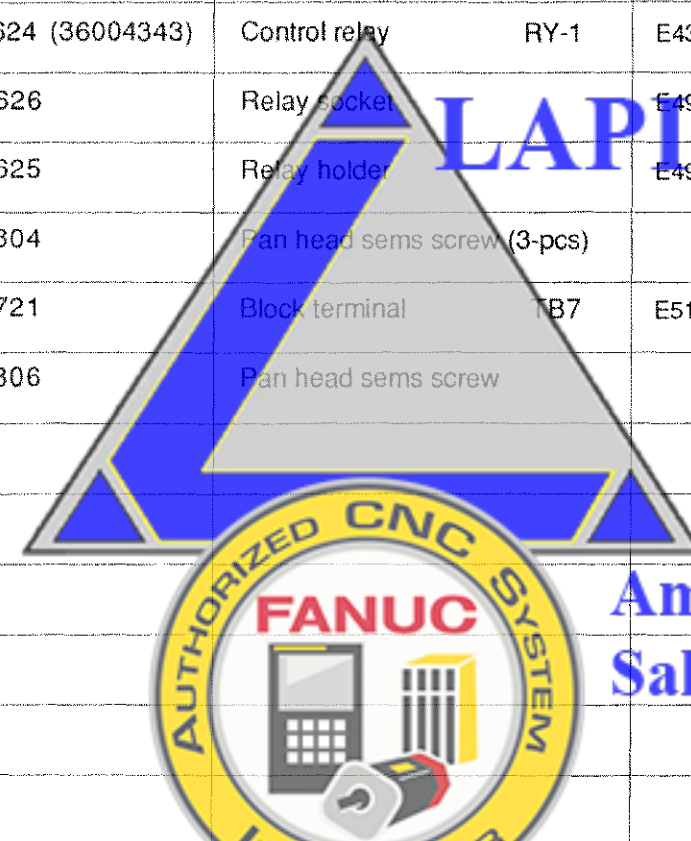
| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)                                      | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|---------------------------------------------------|------|-----------|------|
| 35        | 36186803            | Pan head sems screw (3-pcs) |             | M3 x 10 polish                                    | 2    |           |      |
| 36        | 36183615            | Magnet switch Mg            | E430010001  | BW24241 AC200V (National)                         | 1    |           |      |
| 37        | 36183617            | Magnet switch bracket       | E499020004  | BW9204 (National)                                 | 1    |           |      |
| 38        | 36149733            | Condenser                   | E402100002  | YQ-23 0.1μF 100Ω<br>270V Y <sub>2</sub> (Hitachi) | 1    |           |      |
| 39        | 36183757 (74307725) | Lug terminal                |             | 1.25-4                                            | 2    |           |      |
| 40        | 36183624 (36004343) | Control relay RY-1          | E430020001  | MY2-1008C (OMRON)                                 | 1    |           |      |
| 41        | 36183626            | Relay socket                | E499010006  | PYF-08A (OMRON)                                   | 1    |           |      |
| 42        | 36183625            | Relay holder                | E499020003  | PYC-A1                                            | 1    |           |      |
| 43        | 36186804            | Pan head sems screw (3-pcs) |             | M3 x 12 polish                                    | 2    |           |      |
| 44        | 36183721            | Block terminal TB7          | E511001302  |                                                   | 1    |           |      |
| 45        | 36186806            | Pan head sems screw         |             | M3 x 16                                           | 2    |           |      |

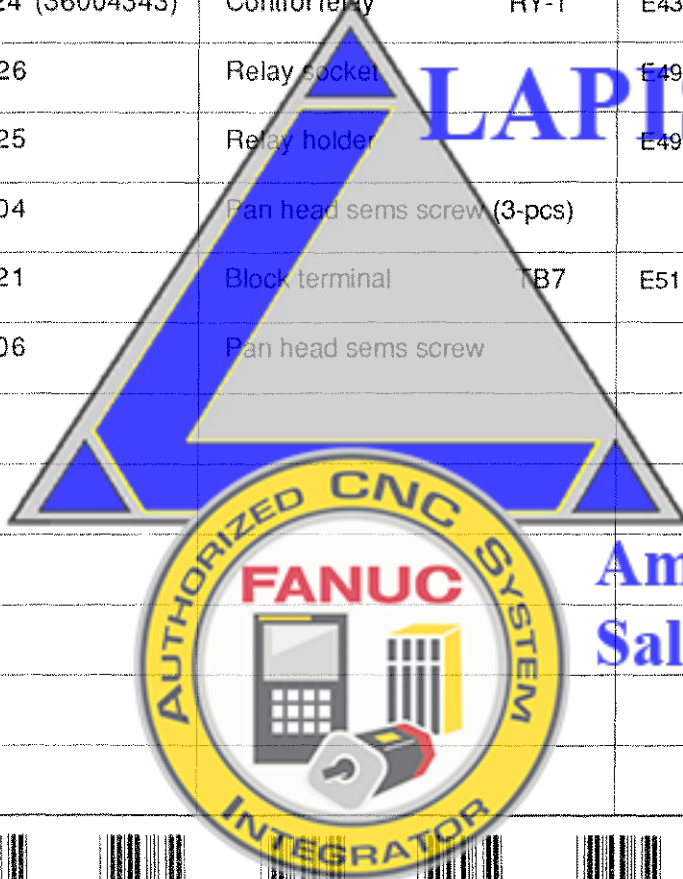
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## Amada Support, Rebuilds, Sales and Fanuc Control Upgrade

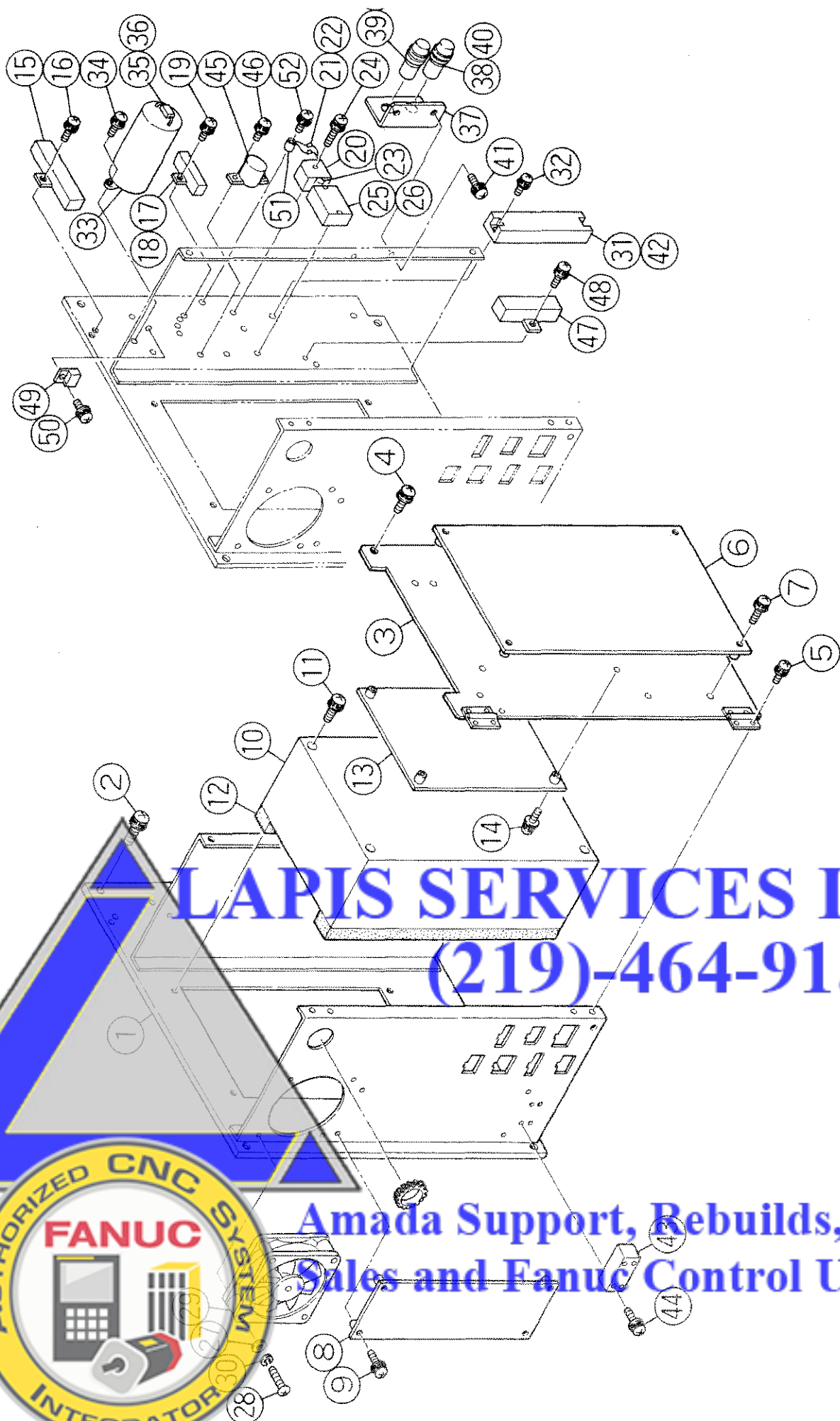
Unit No. 36  
Electrical box (2)

From serial No. 50809508 and after.



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From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name                  | Drawing No. | Type (Maker)       | Q'ty  | Parts No. | Note |
|-----------|-----------|-----------------------------|-------------|--------------------|-------|-----------|------|
| 1         | 36149629  | Servo bracket               | M10795B     |                    | 1     |           |      |
| 2         | 36177226  | Pan head sems screw (3-pcs) |             | M6 x 20 polish     | 4     |           |      |
| 3         | 36149635  | NC3B plate                  | M10801A     |                    | 1     |           |      |
| 4         | 36186809  | Pan head sems screw (3-pcs) |             | M4 x 8 polish      | 2     |           |      |
| 5         | 36186801  | Pan head sems screw (3-pcs) |             | M3 x 6 polish      | 4     |           |      |
| 6         | 36149638  | P.C.B. (NC3B)               | E000000024  |                    | 1 set |           |      |
| 7         | 36186806  | Pan head sems screw (3-pcs) |             | M3 x 16            | 4     |           |      |
| 8         | 36149641  | P.C.B. (RY01)               | E000000086  | S-2774A            | 1 set |           |      |
| 9         | 36186806  | Pan head sems screw (3-pcs) |             | M3 x 16            | 4     |           |      |
| 10        | 36149644  | Servo amplifier unit SA     | E610000004  | PDT-B3B-10 (Sanyo) | 1     |           |      |
| 11        | 36186812  | Pan head sems screw (3-pcs) |             | M5 x 12 polish     | 4     |           |      |
| 12        | 36149619  | Sponge                      | M2603702    |                    | 2     |           |      |
| 13        | 36149647  | P.C.B. (Power)              | E020000011  | S-2854B            | 1 set |           |      |
| 14        | 36186806  | Pan head sems screw (3-pcs) |             | M3 x 16            | 4     |           |      |
| 15        | 36149710  | Resistor R2                 | E190000008  | RGU40HS 5.10U      | 1     |           |      |
| 16        | 36186809  | Pan head sems screw (3-pcs) |             | M4 x 8 polish      | 1     |           |      |
| 17        | 36183739  | Resistor R3                 | E190000006  | RGB10HS 560ΩJ      | 1     |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name                  | Drawing No. | Type (Maker)                | Q'ty | Parts No. | Note |
|-----------|-----------|-----------------------------|-------------|-----------------------------|------|-----------|------|
| 18        | 36183742  | Resistor R4                 | E120010132  | RS2B 1.3 kJ (Denon)         | (1)  |           |      |
| 19        | 36186801  | Pan head sems screw (3-pcs) |             | M3 x 6 polish               | 1    |           |      |
| 20        | 36183525  | Diode stack ST1             | E301000007  | S25VB40 (Shindengen)        | 1    |           |      |
| 21        | 36183524  | Diode D1, 2                 | E300000003  | UC5E (Hitachi)              | 2    |           |      |
| 22        | 36149760  | Lug terminal                |             | 1.25-3.7                    | 2    |           |      |
| 23        | 36149714  | Noise filter ZNR1           | E402200004  | ERZ-C20DK221 (National)     | 1    |           |      |
| 24        | 36186805  | Pan head sems screw (3-pcs) |             | M3 x 14 polish              | 1    |           |      |
| 25        | 36183631  | Control relay RY2           | E430130001  | BW35581 (National)          | 1    |           |      |
| 26        | 36183627  | Relay bracket               | E499020005  | BW9154 (National)           | 1    |           |      |
| 27        | 36149701  | Fan                         | E451000002  | Mini ace 25 109S091 (Sanyo) | 1    |           |      |
| 28        | 36176828  | Pan head machine screw      |             | M3 x 30                     | 3    |           |      |
| 29        | 36177109  | Washer                      |             | M3                          | 3    |           |      |
| 30        | 36176918  | Spring washer               |             | M3                          | 3    |           |      |
| 31        | 36149714  | Noise filter ZNR2           | E402200004  | ERZ-C20DK221 (National)     | 1    |           |      |
| 32        | 36177224  | Pan head sems screw (3-pcs) |             | M3 x 15 polish              | 2    |           |      |
| 33        | 36149705  | Condenser C1                | E270000005  | GV200LGSN-2200B             | 1    |           |      |
| 34        | 36186809  | Pan head sems screw (3-pcs) |             | M4 x 8 polish               | 2    |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)      | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|-------------------|------|-----------|------|
| 35        | 36183732            | Condenser C2                | E250030225  | MD12G225K (NTK)   | 1    |           |      |
| 36        | 36186809            | Pan head sems screw (3-pcs) |             | M4 x 8 polish     | 2    |           |      |
| 37        | 36149659            | Fuse bracket (2)            | M10798      |                   | 1    |           |      |
| 38        | 36149723            | Fuse F11                    | E412020027  | MF61NR10A (TOYO)  | 1    |           |      |
| 39        | 36183712            | Fuse F10                    | E412020015  | MF61NR1.5A (TOYO) | 1    |           |      |
| 40        | 36183710            | Fuse holder                 | E499200004  | SN-1301 (SMK)     | 2    |           |      |
| 41        | 36186809            | Pan head sems screw (3-pcs) |             | M4 x 8 polish     | 2    |           |      |
| 42        | 36149724 (75420124) | Terminal block TB2          | E510000108  | K-05-8P (Kowa)    | 1    |           |      |
| 43        | 36183721            | Terminal block TB6          | E511001302  | LK2P              | 1    |           |      |
| 44        | 36186806            | Pan head sems screw (3-pcs) |             | M3 x 16           | 2    |           |      |
| 45        | 36183733            | Condenser C3                | E270000002  | SM250LASN-100B    | 1    |           |      |
| 46        | 36186801            | Pan head sems screw (3-pcs) |             | M3 x 6 polish     | 2    |           |      |
| 47        | 36149709            | Resistor R1                 | E190000007  | RGU30HS 3.3 kΩJ   | 1    |           |      |
| 48        | 36186809            | Pan head sems screw (3-pcs) |             | M4 x 8 polish     | 1    |           |      |
| 49        | 36149717            | Thermal sensor CHD          | E405000002  | CHD3-70B          | 1    |           |      |
| 50        | 36186802            | Pan head sems screw (3-pcs) |             | M3 x 8 polish     | 1    |           |      |
| 51        | 36183825            | Spacer                      | M2600801    | KS-1              | 1    |           |      |

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Electrical box (2)

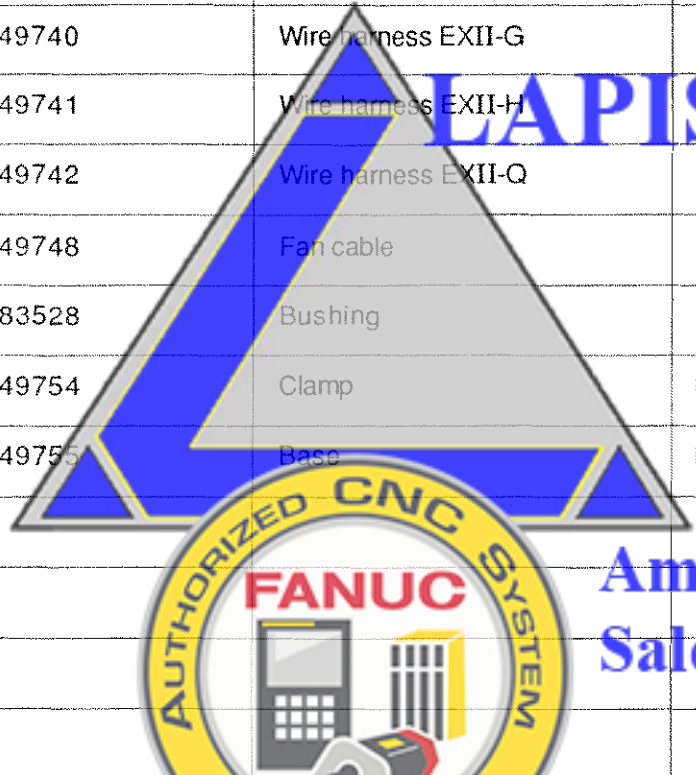
| Index No. | Parts No. | Parts Name                  | Drawing No. | Type (Maker)             | Q'ty | Parts No. | Note |
|-----------|-----------|-----------------------------|-------------|--------------------------|------|-----------|------|
| 52        | 36186802  | Pan head sems screw (3-pcs) |             | M3 x 8 polish            | 1    |           |      |
| 53        | 36149735  | Wire harness EXII-A         | E890000525B | Transformer fuse         | 1    |           |      |
| 54        | 36149736  | Wire harness EXII-B         | E890000526  | Servo amplifier          | 1    |           |      |
| 55        | 36149737  | Wire harness EXII-C         | E890000527A | Relay board              | 1    |           |      |
| 56        | 36149738  | Wire harness EXII-D         | E890000528  |                          | 1    |           |      |
| 57        | 36149739  | Wire harness EXII-F         | E890000530  | VCN13                    | 1    |           |      |
| 58        | 36149740  | Wire harness EXII-G         | E890000531  | Transformer fuse         | 1    |           |      |
| 59        | 36149741  | Wire harness EXII-H         | E890000532  | Transformer fuse         | 1    |           |      |
| 60        | 36149742  | Wire harness EXII-Q         | E890000539  | Servo amplifier DC power | 1    |           |      |
| 61        | 36149748  | Fan cable                   | E701000005  | 489-016-L10 (Sanyo)      | 1    |           |      |
| 62        | 36183528  | Bushing                     | E712000003  | KG-016 (Kitagawa)        | 2    |           |      |
| 63        | 36149754  | Clamp                       | E711120002  | DKN-05 (Kitagawa)        | 1    |           |      |
| 64        | 36149755  | Base                        | E711200001  | ABMM-A (Kitagawa)        | 21   |           |      |

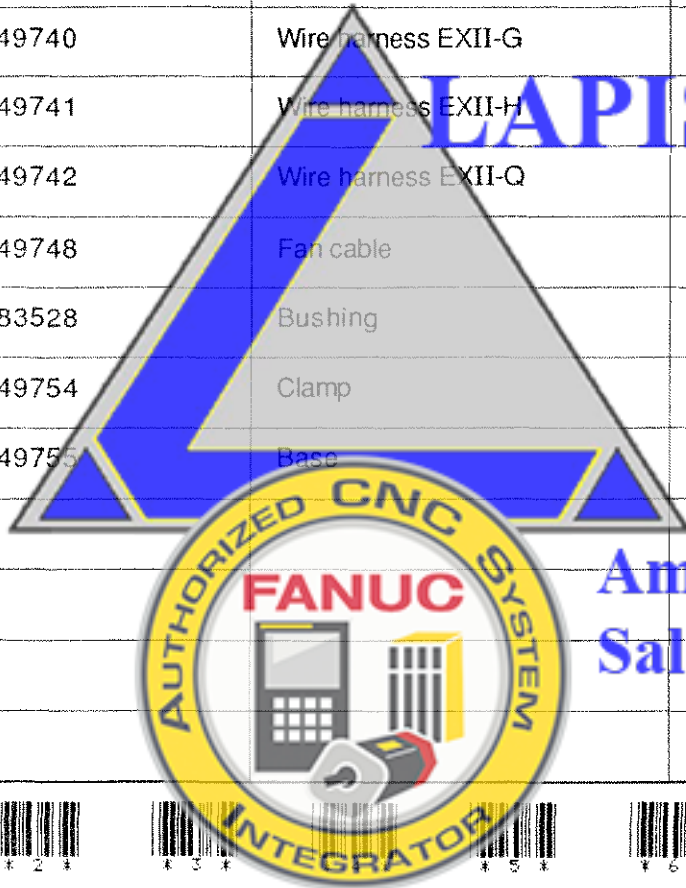
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Amada Support, Rebuilds,

Sales and Fanuc Control Upgrade





## Amada Support, Rebuilds, Sales and Fanuc Control Upgrade



**LAPIS SERVICES INC**  
**(219)-464-9131**

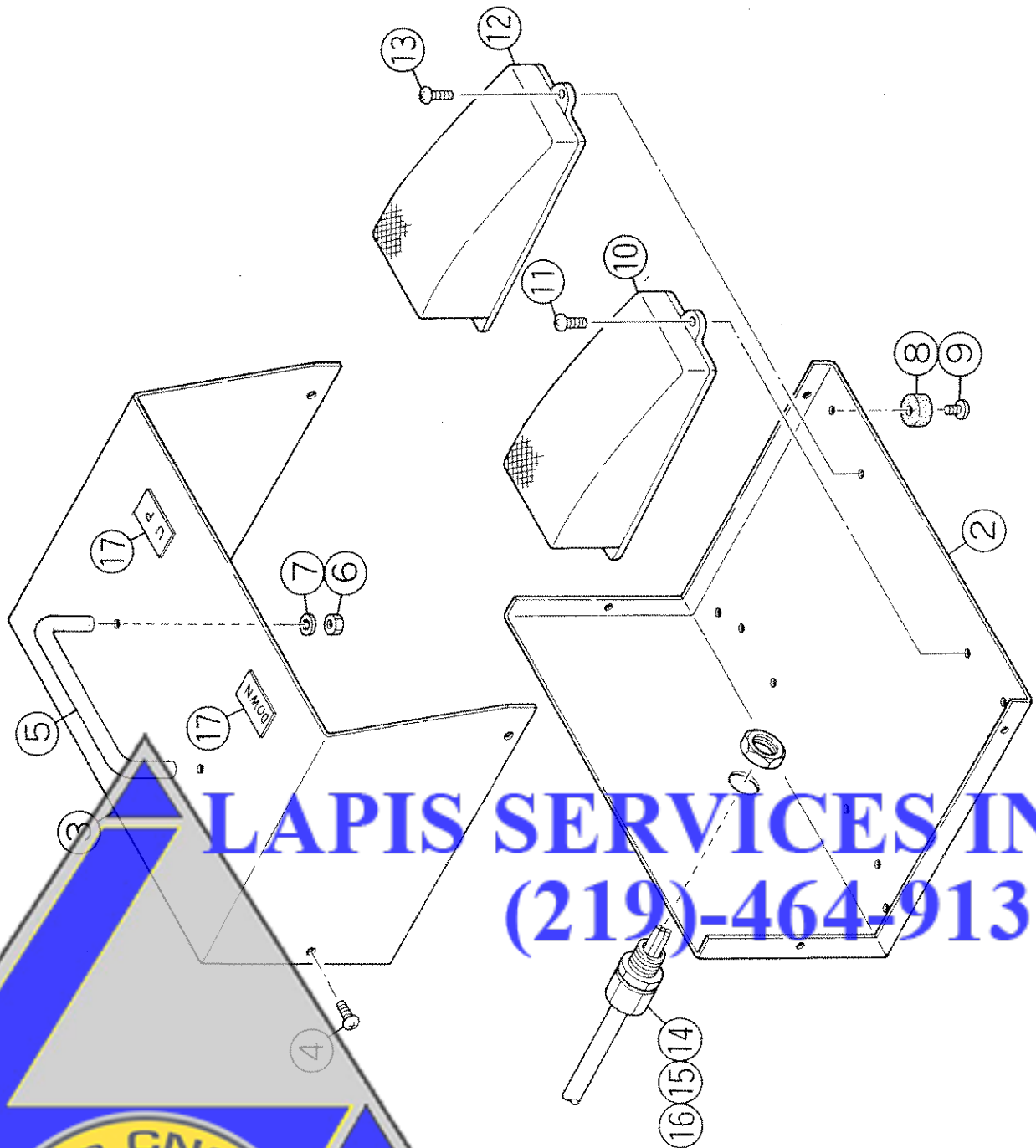
**Amada Support, Rebuilds,  
Sales and Fanuc Control Upgrade**

Unit No. 37  
 Foot switch box  
 From serial No. 50809508 and after.



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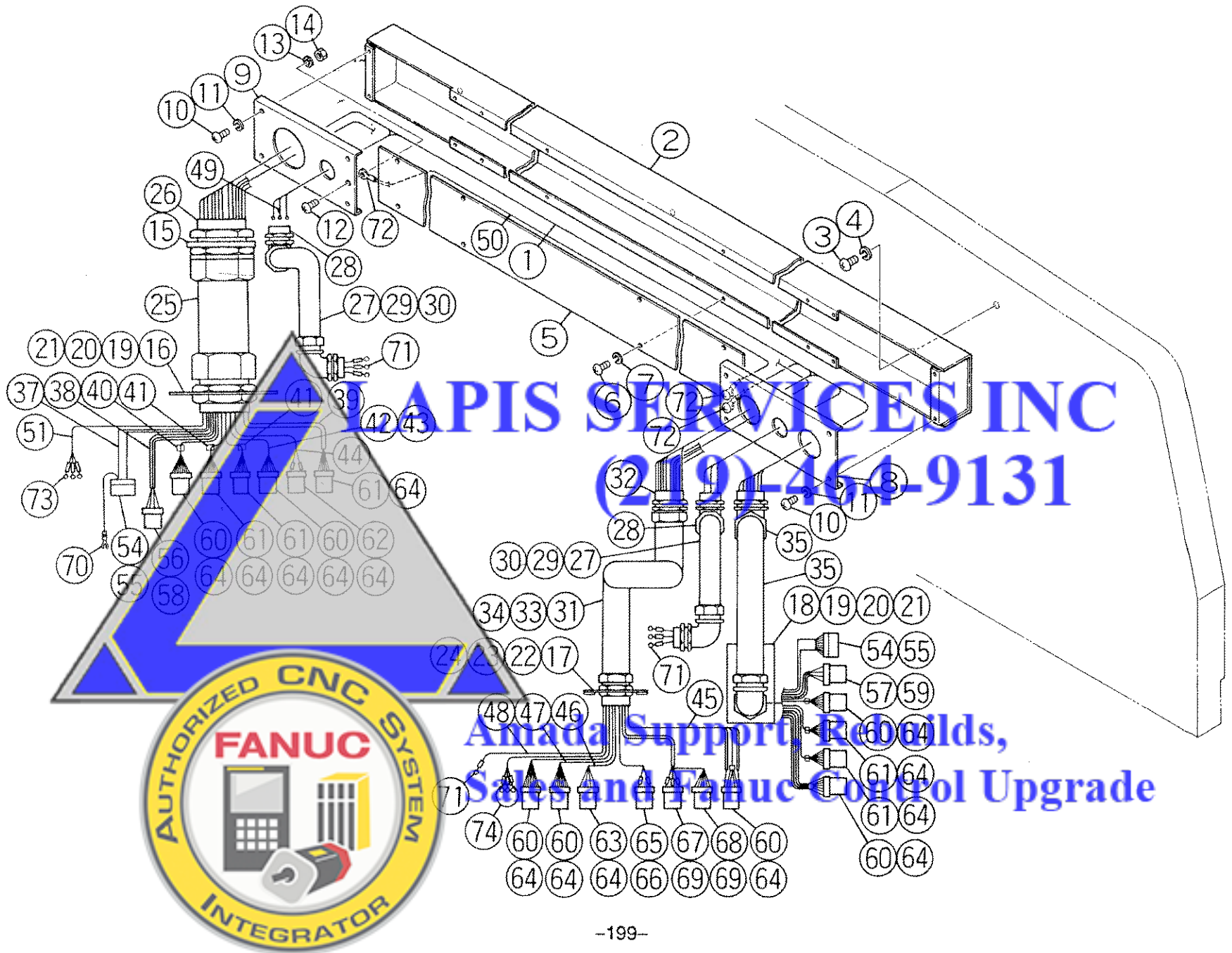
From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name             | Drawing No. | Type (Maker)       | Q'ty  | Parts No. | Note |
|-----------|-----------|------------------------|-------------|--------------------|-------|-----------|------|
| 1         | 36171205  | Foot switch box ass'y  | 4129128     |                    | 1 set |           |      |
| 2         | 36171302  | Base                   | 4120738A    |                    | 1     |           |      |
| 3         | 36171306  | Cover                  | 4120739A    |                    | 1     |           |      |
| 4         | 36176818  | Pan head machine screw |             | M4 x 10            | 9     |           |      |
| 5         | 36171213  | Pull                   |             | A-42-B-4 (Takigen) | 1     |           |      |
| 6         | 36176807  | Nut                    |             | M6 type-2          | 2     |           |      |
| 7         | 36176923  | Spring washer          |             | M6 type-2          | 2     |           |      |
| 8         | 36171217  | Rubber cushion         |             | SK-1910 (Takigen)  | 4     |           |      |
| 9         | 36176816  | Pan head machine screw |             | M3 x 8             | 4     |           |      |
| 10        | 36171221  | Foot switch            |             | SF-1 red           | 1     |           |      |
| 11        | 36176818  | Pan head machine screw |             | M4 x 10            | 3     |           |      |
| 12        | 36171222  | Foot switch            |             | SF-2 black         | 1     |           |      |
| 13        | 36176818  | Pan head machine screw |             | M4 x 10            | 3     |           |      |
| 14        | 36171226  | Connector              |             | YSG #9~14 (Daiwa)  | 2     |           |      |
| 15        | 36171230  | SO cord                |             | AWG-16 L=4.5M      |       |           |      |
| 16        | 36171233  | Receptacle             |             | NCS-254-GPM 1/2    | 1     |           |      |
| 17        | 36171209  | Sticker                | 4005299     |                    | 2     |           |      |



Unit No. 38  
Electric wiring (1)

From serial No. 50809508 and after.



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                | Drawing No. | Type (Maker) | Q'ty | Parts No.                                                                             | Note |
|-----------|---------------------|---------------------------|-------------|--------------|------|---------------------------------------------------------------------------------------|------|
| 1         |                     | Wire harness              |             |              |      |                                                                                       |      |
|           | 36185805            | RG80S                     | 4129259A    |              | 1    |    |      |
|           | 36185806            | RG80                      | 4129260A    |              | 1    |    |      |
| 2         |                     | Upper duct                |             |              |      |                                                                                       |      |
|           | 36185116            | RG80S                     | 4128936     |              | 1    |    |      |
|           | 36185117            | RG80                      | 4128935     |              | 1    |    |      |
| 3         | 36176824            | Pan head machine screw    |             | M6 x 10      | 3    |    |      |
| 4         | 36176923            | Spring washer             |             | M6 type-2    | 3    |    |      |
| 5         |                     | Duct cover                |             |              |      |                                                                                       |      |
|           | 36185123            | RG80S                     | 4129064     |              | 1    |    |      |
|           | 36185124            | RG80                      | 4129063     |              | 1    |  |      |
| 6         | 36147308 (58250511) | Pan head machine screw    |             | M5 x 8       | 8    |  |      |
| 7         | 36147604 (44027927) | Spring washer             |             | M5 type-2    | 8    |  |      |
| 8         | 36185315            | Connector support (left)  | 4134137     |              | 1    |  |      |
| 9         | 36185316            | Connector support (right) | 4134138     |              | 1    |  |      |
| 10        | 36147308 (58250511) | Pan head machine screw    |             | M5 x 8       | 8    |  |      |
| 11        | 36147604 (44027927) | Spring washer             |             | M5 type-2    | 8    |  |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                                   | Drawing No. | Type (Maker)                | Q'ty | Parts No. | Note |
|-----------|---------------------|----------------------------------------------|-------------|-----------------------------|------|-----------|------|
| 12        | 36176832            | Pan head machine screw                       |             | M5 x 20                     | 3    |           |      |
| 13        | 36182652            | Toothed lock washer                          |             | M5                          | 3    |           |      |
| 14        | 36147802            | Nut                                          |             | M5 type-2                   | 3    |           |      |
| 15        | 36185317            | Connector support                            | 4129346     |                             | 1    |           |      |
| 16        | 36185251            | Setting bracket (1)                          | 4129210A    |                             | 1    |           |      |
| 17        | 36185252            | Setting bracket (2)                          | 4129211B    |                             | 1    |           |      |
| 18        | 36185254            | Setting bracket (3)                          | 4129238A    |                             | 1    |           |      |
| 19        | 36147310 (74305017) | Pan head machine screw                       |             | M5 x 10                     | 8    |           |      |
| 20        | 36147604 (44027927) | Spring washer                                |             | M5 type-2                   | 8    |           |      |
| 21        | 36147802            | Nut                                          |             | M5 type-2                   | 8    |           |      |
| 22        | 36176824            | Pan head machine screw                       |             | M6 x 10                     | 4    |           |      |
| 23        | 36176923            | Spring washer                                |             | M6 type-2                   | 4    |           |      |
| 24        | 36185257            | Packing                                      | 4133957     |                             | 1    |           |      |
| 25        | 36186104            | Flexible tube Upper duct<br>Electrical box   |             | UA (2") L=850               | 1    |           |      |
| 26        | 36186106            | Connector                                    |             | Straight 5337 (2") (T&B)    | 2    |           |      |
| 27        | 36186116            | Flexible tube Upper duct<br>L.R. control box |             | UA (3/4") L=720             | 4    |           |      |
| 28        | 36186119            | Connector                                    |             | 90° angle 5353 (3/4") (T&B) | 4    |           |      |

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| Index No. | Parts No.           | Parts Name                                   | Drawing No. | Type (Maker)                  | Q'ty        | Parts No. | Note |
|-----------|---------------------|----------------------------------------------|-------------|-------------------------------|-------------|-----------|------|
| 29        | 36185727            | Saddle                                       |             | CH-19 (Daiwa)                 | 4           |           |      |
| 30        | 36147308 (58250511) | Pan head machine screw                       |             | M5 x 8                        | 4           |           |      |
| 31        | 36186128            | Flexible tube Upper duct<br>– Electrical box |             | UA (1-1/4") L=1850            | 1           |           |      |
| 32        | 36186131            | Connector                                    |             | Straight 5335 (1-1/4") (T&B)  | 2           |           |      |
| 33        | 36365822            | Saddle                                       |             | CH-31 (Daiwa)                 | 4           |           |      |
| 34        | 36147308 (58250511) | Pan head machine screw                       |             | M5 x 8                        | 4           |           |      |
| 35        | 36186137            | Flexible tube Upper duct<br>– Pendant box    |             | UA (1/4") L=800               | 1           |           |      |
| 36        | 36186139            | Connector                                    |             | 90° angle 5355 (1-1/4") (T&B) | 2           |           |      |
| 37        |                     | Flat cable CN1-CN13                          |             |                               |             |           |      |
|           | 36186149            | RG80S                                        |             | KFCH-JSA-10<br>L=6000 (Showa) | 1           |           |      |
|           | 36186150            | RG80                                         |             | KFCH-JSA-10<br>L=5100 (Showa) | 1           |           |      |
| 38        |                     | Shield wire CN2-CN5                          |             |                               |             |           |      |
|           | 36185764            | RG80S                                        |             | 0.3 mm <sup>2</sup> 1-core    | 6.6m<br>x 2 |           |      |
|           | 36185764            | RG80                                         |             | 0.3 mm <sup>2</sup> 1-core    | 7.1m<br>x 2 |           |      |
| 39        |                     | Shield wire VCN8-DTG, DPG                    |             |                               |             |           |      |
|           | 36186765            | RG80S                                        |             | 0.3 mm <sup>2</sup> 8-core    | 5.6m<br>x 1 |           |      |
|           | 36186765            | RG80                                         |             | 0.3 mm <sup>2</sup> 8-core    | 6.1m<br>x 1 |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name                         | Drawing No. | Type (Maker)                          | Q'ty         | Parts No.                                                                             | Note |
|-----------|-----------|------------------------------------|-------------|---------------------------------------|--------------|---------------------------------------------------------------------------------------|------|
| 40        |           | Cable VCN4-VCN3                    |             |                                       |              |                                                                                       |      |
|           | 36185737  | RG80S                              |             | KIV 0.75 mm <sup>2</sup><br>600V blue | 6.0m<br>x 2  |    |      |
|           | 36185738  | RG80S                              |             | KIV 0.75 mm <sup>2</sup><br>600V red  | 6.0m<br>x 10 |    |      |
|           | 36185737  | RG80                               |             | KIV 0.75 mm <sup>2</sup><br>600V blue | 6.5m<br>x 2  |    |      |
|           | 36185738  | RG80                               |             | KIV 0.75 mm <sup>2</sup><br>600V red  | 6.5m<br>x 10 |    |      |
| 41        |           | Cable VCN2 - VCN1<br>VCN17 - VCN18 |             |                                       |              |                                                                                       |      |
|           | 36185737  | RG80S                              |             | KIV 0.75 mm <sup>2</sup><br>600V blue | 6.0m<br>x 18 |    |      |
|           | 36185737  | RG80                               |             | KIV 0.75 mm <sup>2</sup><br>600V blue | 6.5m<br>x 18 |    |      |
| 42        |           | Cable DCN6-I/Q                     |             |                                       |              |                                                                                       |      |
|           | 36185737  | RG80S                              |             | KIV 0.75 mm <sup>2</sup><br>600V blue | 5.6m<br>x 9  |    |      |
|           | 36185738  | RG80S                              |             | KIV 0.75 mm <sup>2</sup><br>600V red  | 6.1m<br>x 1  |    |      |
|           | 36185737  | RG80                               |             | KIV 0.75 mm <sup>2</sup><br>600V blue | 5.6m<br>x 9  |  |      |
|           | 36185738  | RG80                               |             | KIV 0.75 mm <sup>2</sup><br>600V red  | 6.1m<br>x 1  |  |      |
| 43        | 36185737  | Cable VCN6                         |             | KIV 0.75 mm <sup>2</sup><br>600V blue | 2.7m<br>x 1  |  |      |
| 44        |           | Cable VCN7-DM                      |             |                                       |              |                                                                                       |      |
|           | 36185737  | RG80S                              |             | KIV 0.75 mm <sup>2</sup><br>600V blue | 5.6m<br>x 2  |  |      |
|           | 36185737  | RG80                               |             | KIV 0.75 mm <sup>2</sup><br>600V blue | 6.1m<br>x 2  |  |      |



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| Index No. | Parts No. | Parts Name                          | Drawing No. | Type (Maker)                                  | Q'ty        | Parts No.                                                                             | Note |
|-----------|-----------|-------------------------------------|-------------|-----------------------------------------------|-------------|---------------------------------------------------------------------------------------|------|
| 45        |           | Cable DCN20~DCN19                   |             |                                               |             |                                                                                       |      |
|           |           | (Cable)                             |             |                                               |             |                                                                                       |      |
|           | 36185737  | RG80S                               |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 6.1m<br>x 9 |    |      |
|           | 36185737  | RG80                                |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 6.2m<br>x 9 |    |      |
|           |           | (Shield wire)                       |             |                                               |             |                                                                                       |      |
|           | 36185764  | RG80S                               |             | 0.3 mm <sup>2</sup> 1-core                    | 6.1m<br>x 2 |    |      |
|           | 36185764  | RG80                                |             | 0.3 mm <sup>2</sup> 1-core                    | 6.2m<br>x 2 |    |      |
| 46        |           | Cable C, PL - R, Control box        |             |                                               |             |                                                                                       |      |
|           | 36185738  | RG80S                               |             | KIV 0.75 mm <sup>2</sup><br>600V red          | 5.6m<br>x 5 |    |      |
|           | 36185738  | RG80S                               |             | KIV 0.75 mm <sup>2</sup><br>600V red          | 6.1m<br>x 5 |    |      |
| 47        |           | Cable C - L, Control box            |             |                                               |             |                                                                                       |      |
|           | 36185737  | RG80S                               |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 4.2m<br>x 3 |  |      |
|           | 36185738  | RG80                                |             | KIV 0.75 mm <sup>2</sup><br>600V red          | 4.2m<br>x 3 |  |      |
| 48        | 36185739  | Cable earth cable                   |             | KIV 1.25 mm <sup>2</sup><br>600V yellow/green | 2.5m<br>x 9 |  |      |
| 49        |           | Cable R, Control box<br>Control box |             |                                               |             |                                                                                       |      |
|           | 36185737  | RG80S                               |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 3.9m<br>x 1 |  |      |
|           | 36185738  | RG80S                               |             | KIV 0.75 mm <sup>2</sup><br>600V red          | 3.9m<br>x 1 |  |      |



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|-----------|-----------|----------------------------------------|-------------|-----------------------------------------------|--------------|---------------------------------------------------------------------------------------|------|
|           | 36185737  | RG80, 50S                              |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 4.5m<br>x 1  |    |      |
|           | 36185738  | RG80, 50S                              |             | KIV 0.75 mm <sup>2</sup><br>600V red          | 4.5m<br>x 1  |    |      |
| 50        |           | Cable earth cable                      |             |                                               |              |                                                                                       |      |
|           | 36185739  | RG80S                                  |             | KIV 1.25 mm <sup>2</sup><br>600V yellow/green | 1.3m<br>x 1  |    |      |
|           | 36185739  | RG80                                   |             | KIV 1.25 mm <sup>2</sup><br>600V yellow/green | 1.85m<br>x 1 |    |      |
| 51        |           | Cable Electrical box                   |             |                                               |              |                                                                                       |      |
|           | 36185742  | RG80S                                  |             | KIV 2 mm <sup>2</sup><br>600V red             | 5.6m<br>x 2  |    |      |
|           | 36185743  | RG80S                                  |             | KIV 2 mm <sup>2</sup><br>600V yellow/green    | 5.6m<br>x 1  |    |      |
|           | 36185742  | RG80                                   |             | KIV 2 mm <sup>2</sup><br>600V red             | 6.1m<br>x 2  |    |      |
|           | 36185743  | RG80                                   |             | KIV 2 mm <sup>2</sup><br>600V yellow/green    | 6.1m<br>x 1  |    |      |
| 52        |           | Cable Electric box<br>- R, Control box |             |                                               |              |                                                                                       |      |
|           | 36185737  | RG80S                                  |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 5.6m<br>x 2  |   |      |
|           | 36185738  | RG80S                                  |             | KIV 0.75 mm <sup>2</sup><br>600V red          | 5.6m<br>x 2  |  |      |
|           | 36185737  | RG80S                                  |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 6.1m<br>x 2  |  |      |
|           | 36185738  | RG80S                                  |             | KIV 0.75 mm <sup>2</sup><br>600V red          | 6.1m<br>x 2  |  |      |
| 53        |           | Cable Electric box<br>- L, Control box |             |                                               |              |                                                                                       |      |
|           | 36185737  | RG80S                                  |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 4.2m<br>x 2  |  |      |



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|-----------|---------------------|---------------|-------------|--------------------------------------|-------------|-----------|------|
|           | 36185738            | RG80S, RG80   |             | KIV 0.75 mm <sup>2</sup><br>600V red | 4.2m<br>x 2 |           |      |
| 54        | 36186154            | Connector     |             | PS10SEN-D4P1-1D (JAE)                | 2           |           |      |
| 55        | 36186155            | Strain relief |             | PS-SRN10 (JAE)                       | 2           |           |      |
| 56        | 36185920            | Housing       |             | 5195-06 (Molex)                      | 1           |           |      |
| 57        | 36185921            | Housing       |             | 5102-07 (Molex)                      | 1           |           |      |
| 58        | 36185922            | Terminal      |             | 5194TL (Molex)                       | 4           |           |      |
| 59        | 36185923            | Terminal      |             | 5103PBTL (Molex)                     | 4           |           |      |
| 60        | 36185913            | Receptacle    |             | 3191-12R1 (Molex)                    | 7           |           |      |
| 61        | 36185912            | Receptacle    |             | 3191-09R1 (Molex)                    | 5           |           |      |
| 62        | 36185911            | Receptacle    |             | 3191-02R1 (Molex)                    | 1           |           |      |
| 63        | 36185910            | Receptacle    |             | 3191-06R1 (Molex)                    | 1           |           |      |
| 64        | 36185914            | Pin           |             | 1381ATL (Molex)                      | 124         |           |      |
| 65        | 36186001            | Cap           |             | 1-480699-0 2-pole (AMP)              | 1           |           |      |
| 66        | 36186002 (74306812) | Socket        |             | 350550-1 (AMP)                       | 2           |           |      |
| 67        | 36185928            | Plug          |             | 5025-03P (Molex)                     | 1           |           |      |
| 68        | 36185929            | Plug          |             | 5025-06P (Molex)                     | 1           |           |      |
| 69        | 36185930 (36330610) | Pin           |             | 5006GL (Molex)                       | 9           |           |      |

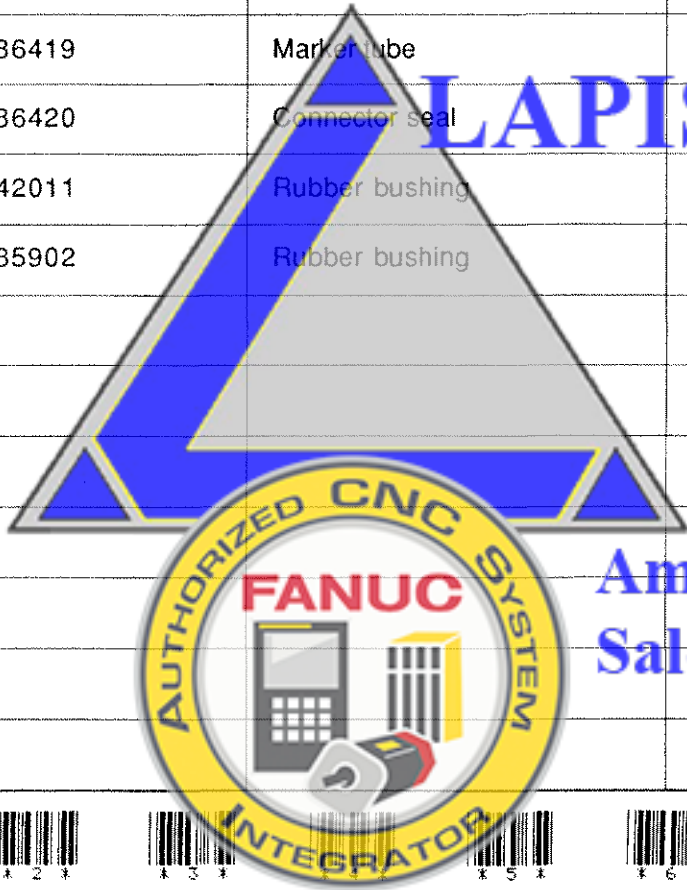


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|-----------|-----------|----------------|-------------|------------------|------|-------------------------------------------------------------------------------------|------|
| 70        | 36186162  | Lug terminal   |             | 1.25-YAS4 (Fuji) | 1    |  |      |
| 71        | 36186163  | Lug terminal   |             | 1.25-F4 (Fuji)   | 13   |  |      |
| 72        | 36183758  | Lug terminal   |             | 1.25-5 (Fuji)    | 3    |  |      |
| 73        | 36186164  | Lug terminal   |             | 2-F4 (Fuji)      | 3    |  |      |
| 74        | 36186165  | Lug terminal   |             | 2-5              | 3    |  |      |
| 75        | 36186418  | Marker tube    |             | φ3.2             | 197  |  |      |
| 76        | 36186419  | Marker tube    |             | φ4.2             | 6    |  |      |
| 77        | 36186420  | Connector seal |             | 5 x 18 (KCC)     | 21   |  |      |
| 78        | 36142011  | Rubber bushing |             | SG-20A (Takigen) | 1    |  |      |
| 79        | 36185902  | Rubber bushing |             | SG-28A (Takigen) | 1    |  |      |

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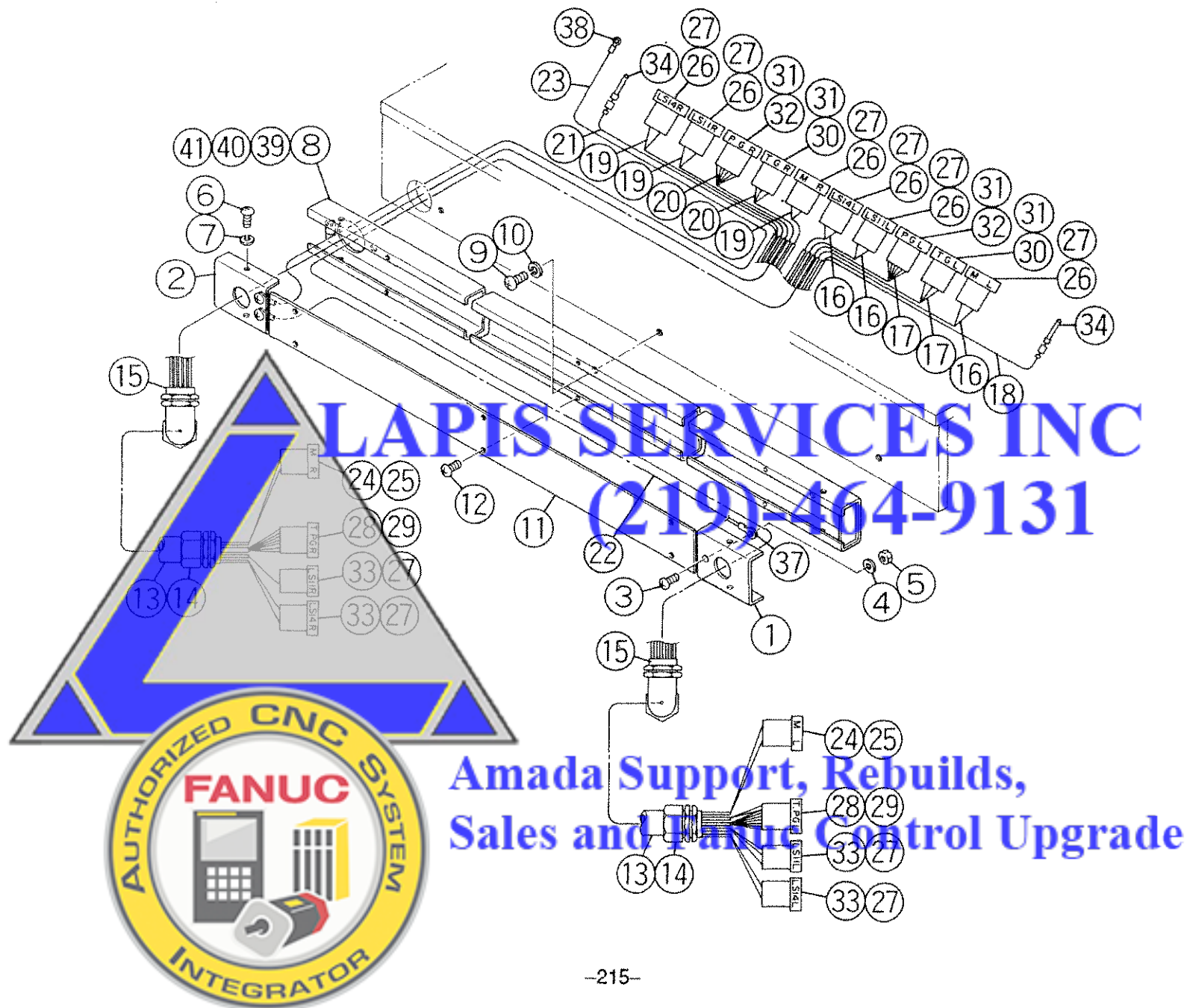
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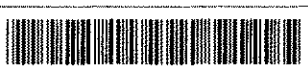
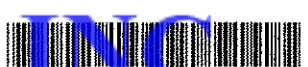
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|-----------|---------------------|------------------------------|-------------|------------------|------|-----------|------|
| 1         | 36184914            | Duct cover (1) (L)           | 4134139     |                  | 1    |           |      |
| 2         | 36184915            | Duct cover (1) (R)           | 4134140     |                  | 1    |           |      |
| 3         | 36176832            | Pan head machine screw       |             | M5 x 20          | 3    |           |      |
| 4         | 36182652            | Toothed lock washer          |             | M5               | 3    |           |      |
| 5         | 36147802            | Nut                          |             | M5 type-2        | 3    |           |      |
| 6         | 36176818            | Pan head machine screw       |             | M4 x 10          | 4    |           |      |
| 7         | 36147602 (44027327) | Spring washer                |             | M4 type-2        | 4    |           |      |
| 8         |                     | Duct cover (2)               |             |                  |      |           |      |
|           | 36184902            | RG80S                        | 4129161A    |                  | 1    |           |      |
|           | 36184903            | RG80                         | 4129163A    |                  | 1    |           |      |
| 9         | 36147310 (74305017) | Pan head machine screw       |             | M5 x 10          | 2    |           |      |
| 10        | 36147604 (44027927) | Spring washer                |             | M5               | 2    |           |      |
| 11        |                     | Duct cover (2)               |             |                  |      |           |      |
|           | 36175114            | RG80S                        | 4129162A    |                  | 1    |           |      |
|           | 36184922            | RG80                         | 4129164A    |                  | 1    |           |      |
| 12        | 36176818            | Pan head machine screw       |             | M4 x 10          | 6    |           |      |
| 13        | 36149772            | Flexible tube L, R Supporter |             | UA (3/4") L=1000 | 2    |           |      |

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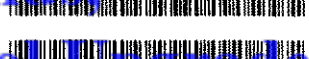
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|-----------|-----------|---------------------------------------------|-------------|-----------------------------------------------|-------------|---------------------------------------------------------------------------------------|------|
| 14        | 36186021  | Connector                                   |             | Straight 5353 (3/4") (T&B)                    | 2           |    |      |
| 15        | 36186022  | Connector                                   |             | 90° angle 5333 (3/4") (T&B)                   | 2           |    |      |
| 16        |           | Cable Lower duct –<br>Supporter left, right |             |                                               |             |                                                                                       |      |
|           | 36185737  | RG80S                                       |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 4.2m<br>x 6 |    |      |
|           | 36185737  | RG80                                        |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 5.2m<br>x 6 |    |      |
| 17        |           | Shield wire Lower duct –<br>Supporter left  |             |                                               |             |                                                                                       |      |
|           | 36185765  | RG80S                                       |             | 0.3 mm <sup>2</sup> 8-core                    | 4.2m<br>x 1 |    |      |
|           | 36185765  | RG80                                        |             | 0.3 mm <sup>2</sup> 8-core                    | 5.2m<br>x 1 |    |      |
| 18        |           | Cable Lower duct –<br>Supporter left        |             |                                               |             |                                                                                       |      |
|           | 36185736  | RG80S                                       |             | KIV 0.75 mm <sup>2</sup><br>600V yellow/green | 4.5m<br>x 1 |    |      |
|           | 36185736  | RG80                                        |             | KIV 0.75 mm <sup>2</sup><br>600V yellow/green | 5.5m<br>x 1 |   |      |
| 19        |           | Cable Lower duct –<br>Supporter right       |             |                                               |             |                                                                                       |      |
|           | 36185737  | RG80S                                       |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 2.8m<br>x 6 |  |      |
|           | 36185737  | RG80                                        |             | KIV 0.75 mm <sup>2</sup><br>600V blue         | 3.3m<br>x 6 |  |      |
| 20        |           | Shield wire Lower duct –<br>Supporter right |             |                                               |             |                                                                                       |      |
|           | 36185765  | RG80S                                       |             | 0.3 mm <sup>2</sup> 8-core                    | 2.8m<br>x 1 |  |      |
|           | 36185765  | RG80                                        |             | 0.3 mm <sup>2</sup> 8-core                    | 3.3m<br>x 1 |  |      |

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From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                         | Drawing No. | Type (Maker)                                  | Q'ty         | Parts No.                                                                             | Note |
|-----------|---------------------|------------------------------------|-------------|-----------------------------------------------|--------------|---------------------------------------------------------------------------------------|------|
| 21        |                     | Cable Lower duct – Supporter right |             |                                               |              |                                                                                       |      |
|           | 36185736            | RG80S                              |             | KIV 0.75 mm <sup>2</sup><br>600V yellow/green | 3.1m<br>x 1  |    |      |
|           | 36185736            | RG80                               |             | KIV 0.75 mm <sup>2</sup><br>600V yellow/green | 3.6m<br>x 1  |    |      |
| 22        |                     | Cable Lower duct earth             |             |                                               |              |                                                                                       |      |
|           | 36185739            | RG80S                              |             | KIV 1.25 mm <sup>2</sup><br>600V yellow/green | 1.6m<br>x 1  |    |      |
|           | 36185739            | RG80                               |             | KIV 1.25 mm <sup>2</sup><br>600V yellow/green | 2.15m<br>x 1 |    |      |
| 23        | 36185739            | Cable Lower duct – Electric box    |             | KIV 1.25 mm <sup>2</sup><br>600V yellow/green | 5.0m<br>x 1  |    |      |
| 24        | 36186001            | Cap                                |             | 1-480699-0 2-pole (AMP)                       | 2            |    |      |
| 25        | 36186003            | Socket                             |             | 350689-7 (AMP)                                | 4            |    |      |
| 26        | 36185916            | Plug                               |             | 3191-02P (Molex)                              | 6            |   |      |
| 27        | 36185915            | Pin                                |             | 1380TL (Molex)                                | 22           |  |      |
| 28        | 36185927            | Receptacle                         |             | 5025-09R1 (Molex)                             | 2            |  |      |
| 29        | 36185931            | Pin                                |             | 5005GL (Molex)                                | 18           |  |      |
| 30        | 36185928            | Plug                               |             | 5025-03P (Molex)                              | 2            |  |      |
| 31        | 36185930 (36330616) | Pin                                |             | 5006GL (Molex)                                | 18           |  |      |
| 32        | 36185929            | Plug                               |             | 5025-06P (Molex)                              | 2            |  |      |
| 33        | 36185917            | Plug                               |             | 3191-03P (Molex)                              | 4            |  |      |

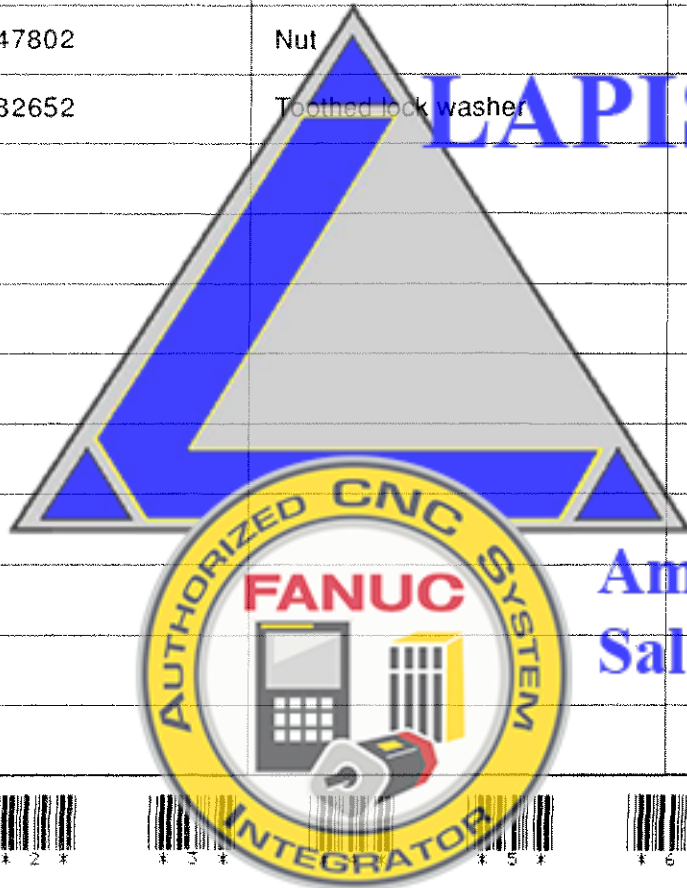


From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name             | Drawing No. | Type (Maker)    | Q'ty | Parts No.                                                                           | Note |
|-----------|---------------------|------------------------|-------------|-----------------|------|-------------------------------------------------------------------------------------|------|
| 34        | 36185914            | Pin                    |             | 1381ATL (Molex) | 2    |  |      |
| 35        | 36186418            | Marker tube            |             | Φ3.2            | 68   |  |      |
| 36        | 36186420            | Connector seal         |             | 5 x 18 (KCC)    | 18   |  |      |
| 37        | 36183758            | Lug terminal           |             | 1.25-5 (Fuji)   | 3    |  |      |
| 38        | 36186163            | Lug terminal           |             | 1.25-F4 (Fuji)  | 1    |  |      |
| 39        | 36147308 (58250511) | Pan head machine screw |             | M5 x 8          | 3    |  |      |
| 40        | 36147802            | Nut                    |             | M5              | 3    |  |      |
| 41        | 36182652            | Toothed lock washer    |             | M5              | 3    |  |      |

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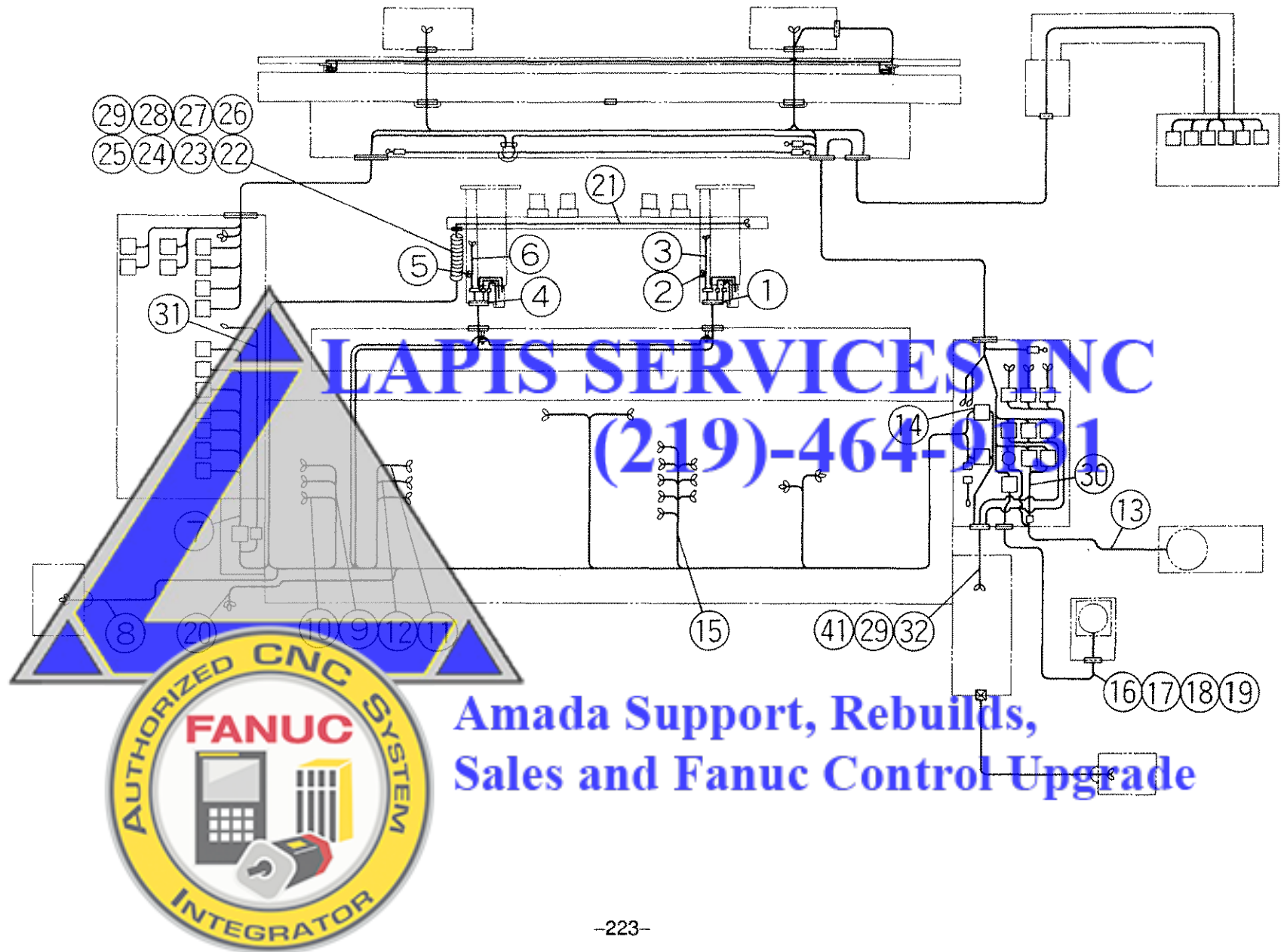
## Amada Support, Rebuilds, Sales and Fanuc Control Upgrade





**LAPIS SERVICES INC**  
**(219)-464-9131**

**Amada Support, Rebuilds,  
Sales and Fanuc Control Upgrade**



From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name                 | Drawing No. | Type (Maker) | Q'ty | Parts No. | Note |
|-----------|-----------|----------------------------|-------------|--------------|------|-----------|------|
| 1         | 36185128  | L-axis cable (R)           | 4129172     |              | 1    |           |      |
| 2         | 36186314  | LS11R cable                | 4129321A    |              | 1    |           |      |
| 3         | 36186301  | LS14R cable                | 4129174B    |              | 1    |           |      |
| 4         | 36185129  | L-axis cable (L)           | 4129175     |              | 1    |           |      |
| 5         | 36186315  | LS11L cable                | 4129322A    |              | 1    |           |      |
| 6         | 36186302  | LS14L cable                | 4129177B    |              | 1    |           |      |
| 7         | 36185201  | Control box lower cable    | 4129178C    |              | 1    |           |      |
| 8         | 36185261  | Multiple lower limit cable | 4129280C    |              | 1    |           |      |
| 9         | 36186228  | Work stopper cable         | 4129295C    |              | 1    |           |      |
| 10        | 36185459  | Flip-up stopper cable      | 4129439D    |              | 1    |           |      |
| 11        |           | LS6 cable                  |             |              |      |           |      |
|           | 36186206  | RG80S                      | 4129285A    |              | 1    |           |      |
|           | 36186207  | RG80                       | 4129286A    |              | 1    |           |      |
| 12        |           | LS cable                   |             |              |      |           |      |
|           | 36186218  | RG80S                      | 4129290A    |              | 1    |           |      |
|           | 36186219  | RG80                       | 4129291A    |              | 1    |           |      |
| 13        | 36185240  | D-axis cable               | 4129203A    |              | 1    |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name                       | Drawing No. | Type (Maker) | Q'ty | Parts No.                                                                             | Note |
|-----------|-----------|----------------------------------|-------------|--------------|------|---------------------------------------------------------------------------------------|------|
| 14        |           | SOL V5 cable                     |             |              |      |                                                                                       |      |
|           | 36141733  | RG80S                            | 4134483     |              | 1    |    |      |
|           | 36141734  | RG80                             | 4134484     |              | 1    |    |      |
| 15        |           | CS cable                         |             |              |      |                                                                                       |      |
|           | 36186402  | RG80S                            | 4129336C    |              | 1    |    |      |
|           | 36186403  | RG80                             | 4129337C    |              | 1    |    |      |
| 16        | 36185432  | Remote control upper limit cable | 4133958     |              | 1    |    |      |
| 17        | 36185227  | Bracket (4)                      | 4129212A    |              | 1    |    |      |
| 18        | 36176824  | Pan head machine screw           |             | M6 x 10      | 4    |    |      |
| 19        | 36176923  | Spring washer                    |             | M6 type-2    | 4    |    |      |
| 20        |           | SOL4 cable                       |             |              |      |                                                                                       |      |
|           | 36186321  | RG80S                            | 4129331B    |              | 1    |  |      |
|           | 36186322  | RG80                             | 4129332B    |              | 1    |  |      |
| 21        |           | S15 cable                        |             |              |      |                                                                                       |      |
|           | 36186307  | RG80S                            | 4129297C    |              | 1    |  |      |
|           | 36186308  | RG80                             | 4129298C    |              | 1    |  |      |
| 22        |           | Contribute 255V                  |             |              |      |                                                                                       |      |

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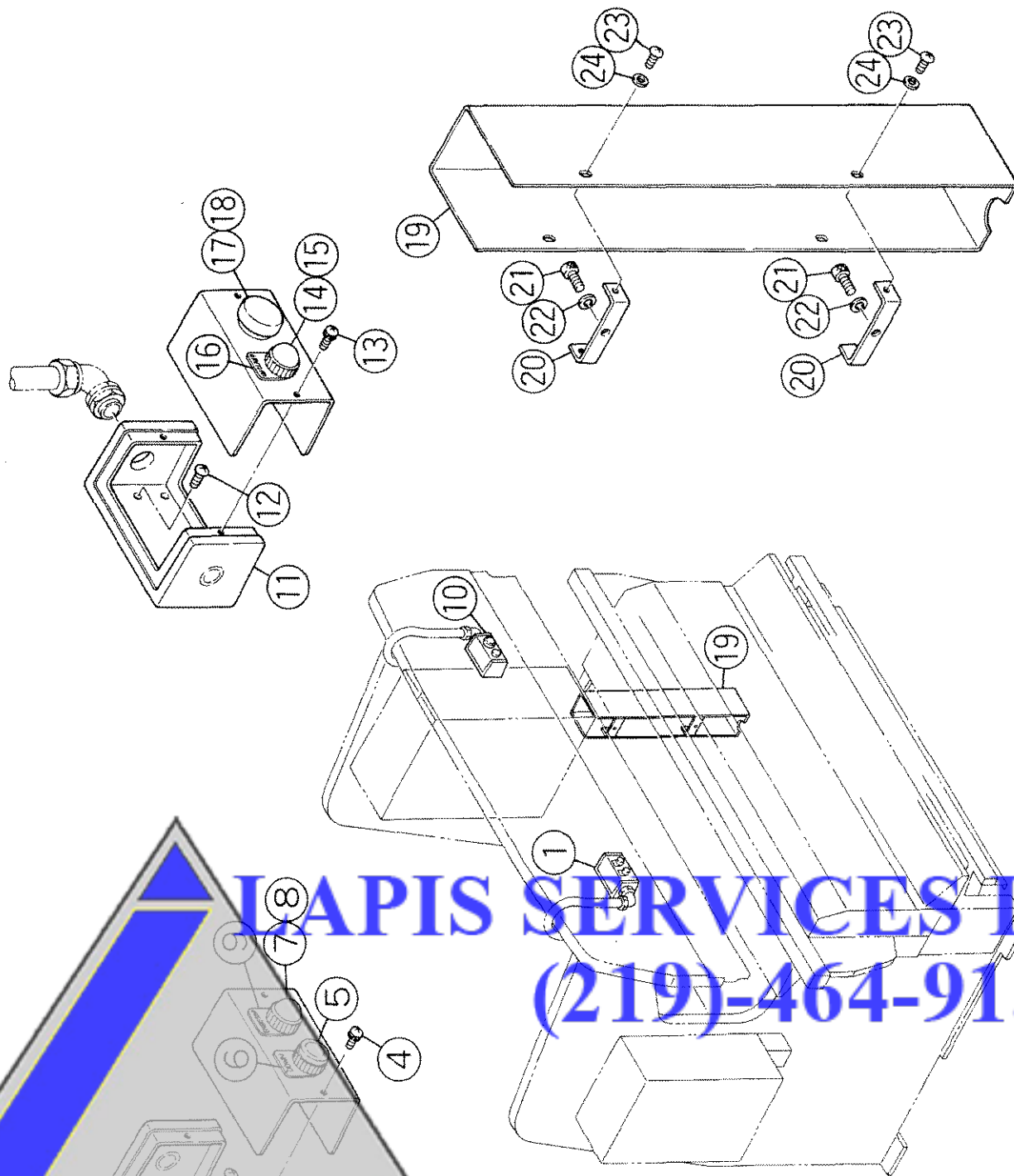
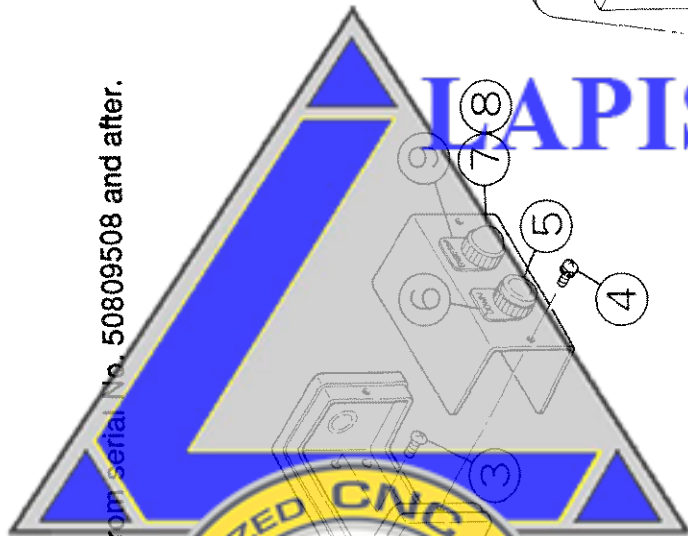
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Unit No. 41

Electric wiring (4) From serial No. 50809508 and after.



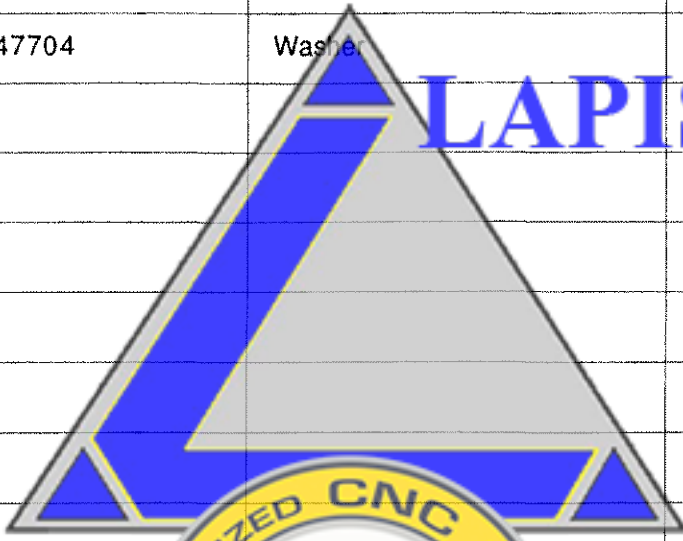
**Amada Support, Rebuilds,  
Sales and Fanuc Control Upgrade**

From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)           | Q'ty  | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|------------------------|-------|-----------|------|
| 1         | 36141509            | Control box left ass'y      | 4130830A    |                        | 1 set |           |      |
| 2         | 36185701            | Control box                 |             | KG211 (Izumi)          | 1     |           |      |
| 3         | 36147310 (74305017) | Pan head machine screw      |             | M5 x 10                | 2     |           |      |
| 4         | 36186809            | Pan head sems screw (3-pcs) |             | M4 x 8                 | 4     |           |      |
| 5         | 36185720            | Push button switch PB5      |             | ABN110-Y (Izumi)       | 1     |           |      |
| 6         | 36185630            | Legend plate (DOWN)         | 4098398     |                        | 1     |           |      |
| 7         | 36183809            | Pilot lamp PL4              |             | DC24V APN133-Q (Izumi) | 1     |           |      |
| 8         | 36183522            | Diode                       |             | 1BZ-61 (Toshiba)       | 1     |           |      |
| 9         | 36175321            | Legend plate (EMERG. STOP)  | 4095851A    |                        | 1     |           |      |
| 10        |                     | Control box right ass'y     |             |                        | 1 set |           |      |
| 11        | 36185701            | Control box                 |             | KG211 (Izumi)          | 1     |           |      |
| 12        | 36147310 (74305017) | Pan head machine screw      |             | M5 x 10                | 2     |           |      |
| 13        | 36186809            | Pan head sems screw (3-pcs) |             | M4 x 8                 | 4     |           |      |
| 14        | 36185714            | Pilot lamp PL7              |             | APN116-S (Izumi)       | 1     |           |      |
| 15        | 36183521            | Diode                       |             | Z10L221 (Ishizuka)     | 1     |           |      |
| 16        | 36185631            | Legend plate (UNCLAMP)      | 4129569     |                        | 1     |           |      |
| 17        | 36185709            | Buzzer BZ                   |             | AZ-11 AC100V (Izumi)   | 1     |           |      |



From serial No. 50809508 and after.

| Index No.                                                                                                                                                                                                                                                                                             | Parts No.           | Parts Name    | Drawing No. | Type (Maker) | Q'ty | Parts No.                                                                           | Note |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------|-------------|--------------|------|-------------------------------------------------------------------------------------|------|
| 18                                                                                                                                                                                                                                                                                                    | 36183521            | Diode         |             | Z10L221      | 1    |  |      |
| 19                                                                                                                                                                                                                                                                                                    | 36185237            | Duct          | 4129180B    |              | 1    |  |      |
| 20                                                                                                                                                                                                                                                                                                    | 36185235            | Duct support  | 4129182     |              | 2    |  |      |
| 21                                                                                                                                                                                                                                                                                                    | 36147114 (73157630) | Cap screw     |             | M8 x 15      | 2    |  |      |
| 22                                                                                                                                                                                                                                                                                                    | 36147610            | Spring washer |             | M8           | 2    |  |      |
| 23                                                                                                                                                                                                                                                                                                    | 36147308 (58250511) | Cap screw     |             | M5 x 8       | 4    |  |      |
| 24                                                                                                                                                                                                                                                                                                    | 36147704            | Washer        |             | M5 type-2    | 4    |  |      |
|  <p><b>LAPIS SERVICES INC</b><br/>(219)-464-9131</p> <p><b>Amada Support, Rebuilds,<br/>Sales and Fanuc Control Upgrade</b></p>  |                     |               |             |              |      |                                                                                     |      |
|                                                                                                                                                                                                                                                                                                       |                     |               |             |              |      |                                                                                     |      |
|                                                                                                                                                                                                                                                                                                       |                     |               |             |              |      |                                                                                     |      |
|                                                                                                                                                                                                                                                                                                       |                     |               |             |              |      |                                                                                     |      |
|                                                                                                                                                                                                                                                                                                       |                     |               |             |              |      |                                                                                     |      |
|                                                                                                                                                                                                                                                                                                       |                     |               |             |              |      |                                                                                     |      |
|                                                                                                                                                                                                                                                                                                       |                     |               |             |              |      |                                                                                     |      |
|                                                                                                                                                                                                                                                                                                       |                     |               |             |              |      |                                                                                     |      |
|                                                                                                                                                                                                                                                                                                       |                     |               |             |              |      |                                                                                     |      |
|                                                                                                                                                                                                                                                                                                       |                     |               |             |              |      |                                                                                     |      |





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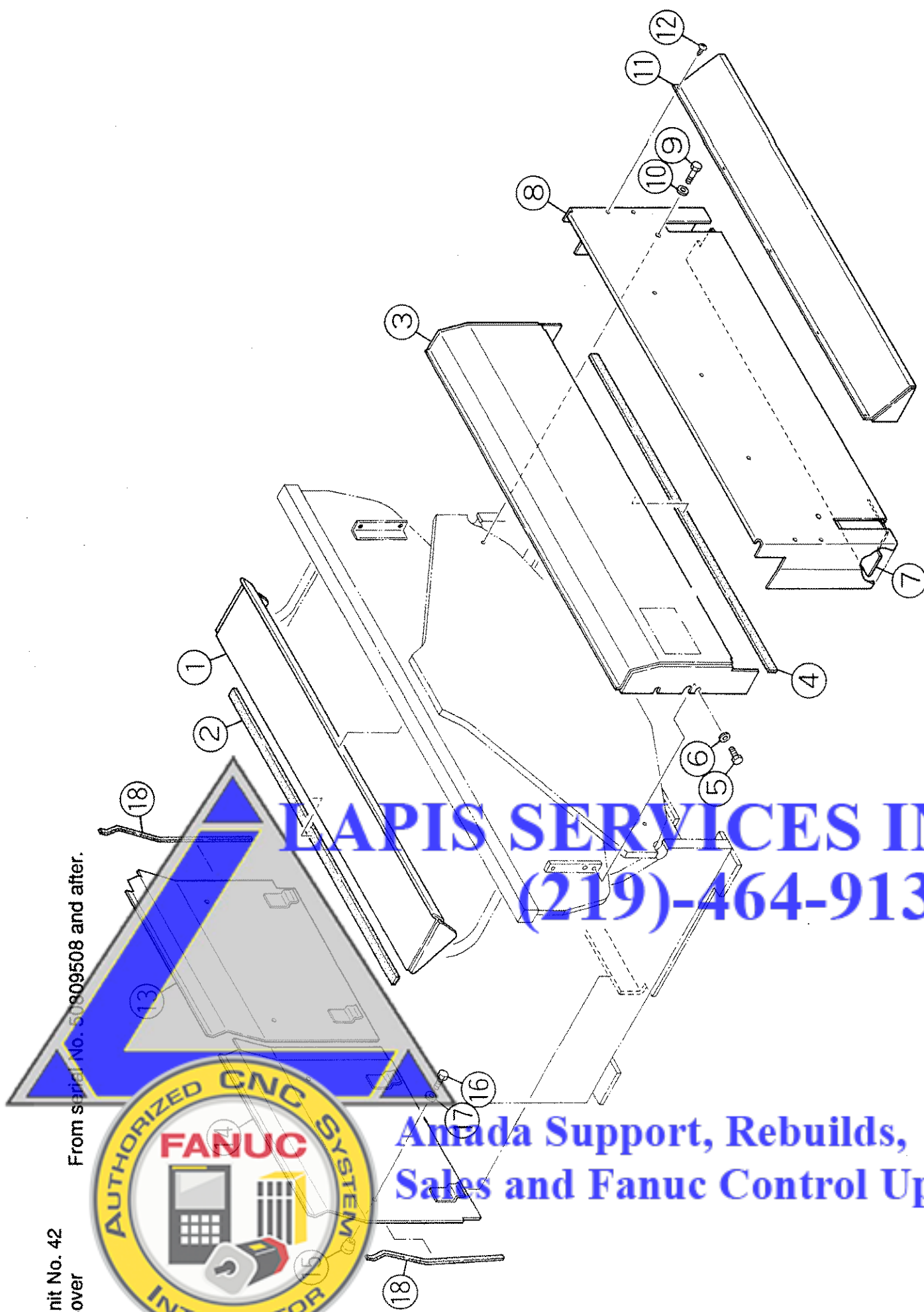
Unit No. 42  
Cover

From serial No. 50809508 and after.



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Amada Support, Rebuilds,  
Sales and Fanuc Control Upgrade



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name          | Drawing No. | Type (Maker) | Q'ty | Parts No.                                                                             | Note |
|-----------|---------------------|---------------------|-------------|--------------|------|---------------------------------------------------------------------------------------|------|
| 1         |                     | Upper cover         |             |              |      |                                                                                       |      |
|           | 36142831            | RG80S               | 380371      |              | 1    |    |      |
|           | 36142832            | RG80                | 51.76015.0  |              | 1    |    |      |
| 2         |                     | Felt                |             |              |      |                                                                                       |      |
|           | 36142930            | RG80S               | 51.07508.0A |              | 1    |    |      |
|           | 36142931            | RG80                | 51.07508.0A |              | 1    |    |      |
| 3         |                     | Front cover (upper) |             |              |      |                                                                                       |      |
|           | 36142605            | RG80S               | 4120413     |              | 1    |    |      |
|           | 36142606            | RG80                | 4120414     |              | 1    |    |      |
| 4         |                     | Felt                |             |              |      |                                                                                       |      |
|           | 36142903            | RG80S               | 51.56618.0  |              | 1    |  |      |
|           | 36142935            | RG80                | 51.56619.0  |              | 1    |  |      |
| 5         | 36147010 (44029703) | Base                |             | M10 x 20     | 4    |  |      |
| 6         | 36147711            | Washer              |             | M10 type-2   | 4    |  |      |
| 7         |                     | Auxiliary cover     |             |              |      |                                                                                       |      |
|           | 36142703            | RG80S               | 4120658A    |              | 1    |  |      |
|           | 36142704            | RG80S               | 4120655A    |              | 1    |  |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name             | Drawing No. | Type (Maker)  | Q'ty                    | Parts No.                                                                             | Note |
|-----------|---------------------|------------------------|-------------|---------------|-------------------------|---------------------------------------------------------------------------------------|------|
| 8         |                     | Front cover (lower)    |             |               |                         |                                                                                       |      |
|           | 36142629            | RG80S                  | 4096322B    |               | 1                       |    |      |
|           | 36142630            | RG80                   | 4096321B    |               | 1                       |    |      |
| 9         |                     | Bolt                   |             |               |                         |                                                                                       |      |
|           | 36147014            | RG80S                  |             | M10 x 40      | 2                       |    |      |
|           | 36147015            | RG80                   |             | M10 x 45      | 2                       |    |      |
| 10        | 36147710 (74300512) | Washer                 |             | M10           | 2                       |    |      |
| 11        |                     | Pedal cover            |             |               |                         |                                                                                       |      |
|           | 36142718            | RG80S                  | 4091220A    |               | 1                       |    |      |
|           | 36142719            | RG80                   | 4091222B    |               | 1                       |    |      |
| 12        | 36147309            | Pan head machine screw |             | M5 x 8 type-3 | RG80S<br>RG80<br>5<br>6 |   |      |
| 13        |                     | Rear cover (L)         |             |               |                         |                                                                                       |      |
|           | 36143026            | RG80S                  | 4128716A    |               | 1                       |  |      |
|           | 36143027            | RG80                   | 4128720A    |               | 1                       |  |      |
| 14        |                     | Rear cover (R)         |             |               |                         |                                                                                       |      |
|           | 36143102            | RG80S                  | 4128718     |               | 1                       |  |      |
|           | 36143103            | RG80                   | 4128722     |               | 1                       |  |      |



Unit No. 42  
Cover

From serial No. 50809508 and after.

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## Amada Support, Rebuilds, Sales and Fanuc Control Upgrade



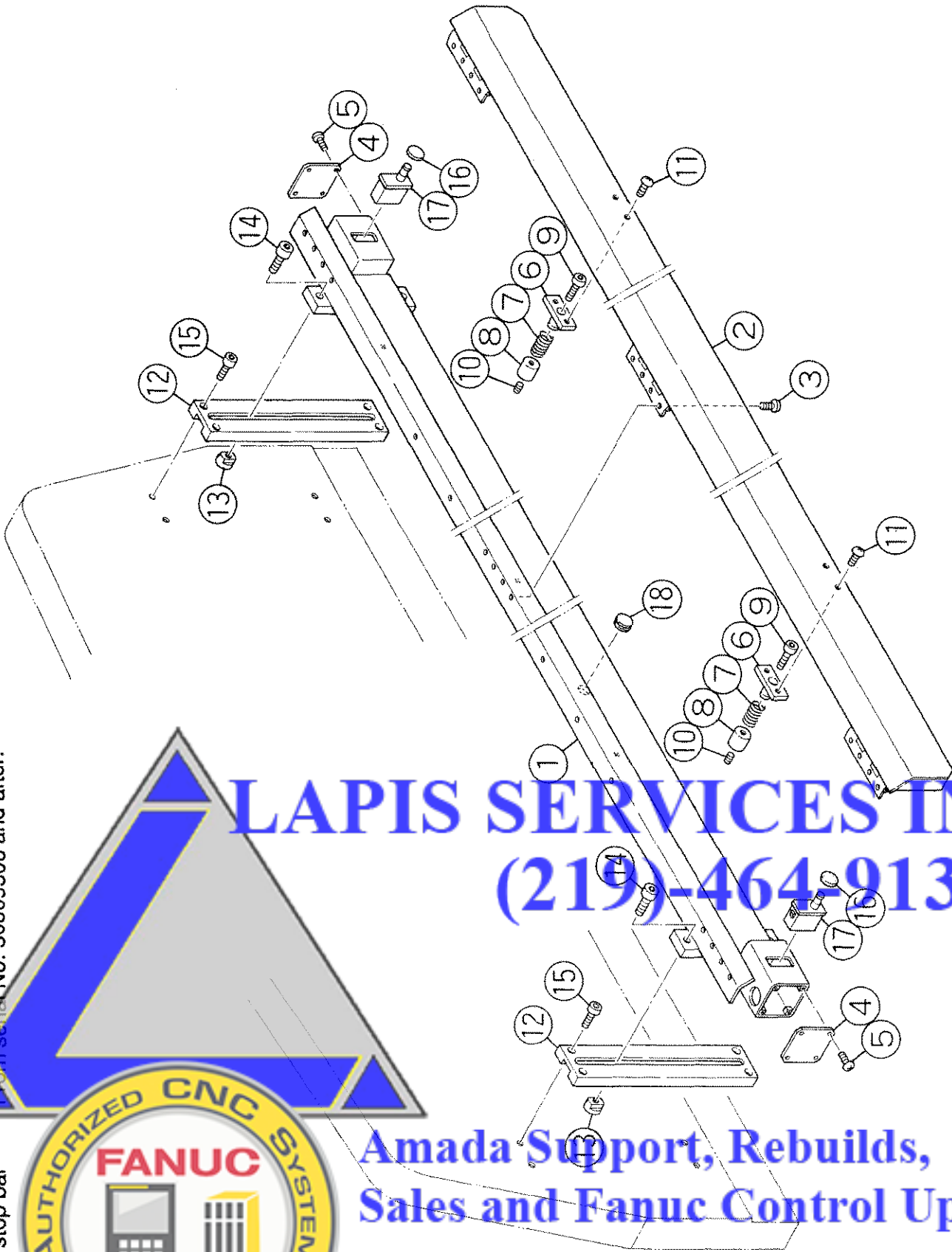
Unit No. 43  
Emergency stop bar



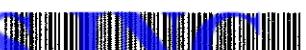
From serial No. 50809508 and after.

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From serial No. 50809508 and after.

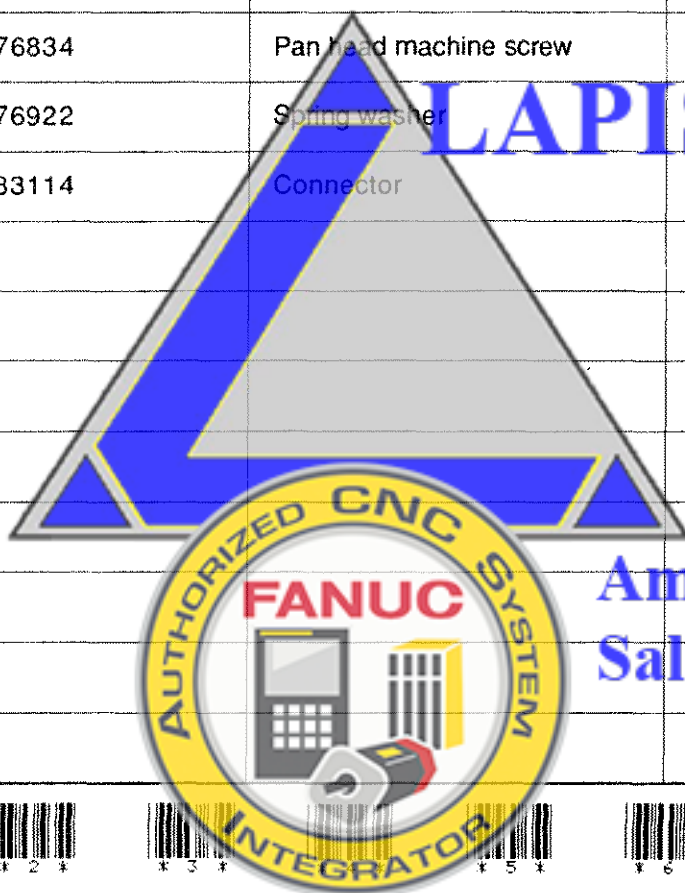
| Index No. | Parts No. | Parts Name             | Drawing No. | Type (Maker)    | Q'ty | Parts No.                                                                             | Note |
|-----------|-----------|------------------------|-------------|-----------------|------|---------------------------------------------------------------------------------------|------|
| 1         |           | Bar                    |             |                 |      |                                                                                       |      |
|           | 36149902  | RG80S                  | 4095487B    |                 | 1    |    |      |
|           | 36149903  | RG80                   | 4095702B    |                 | 1    |    |      |
| 2         |           | Touch plate            |             |                 |      |                                                                                       |      |
|           | 36149907  | RG80S                  | 4044770     |                 | 1    |    |      |
|           | 36149908  | RG80                   | 4044771     |                 | 1    |    |      |
| 3         | 36147314  | Pan head machine screw |             | M5 x 10         | 12   |    |      |
| 4         | 36149911  | Plate                  | 4097339     |                 | 2    |    |      |
| 5         | 36176829  | Pan head machine screw |             | M4 x 6          | 8    |    |      |
| 6         | 36149914  | Spring retainer        | 4044286     |                 | 2    |    |      |
| 7         | 36149915  | Spring                 | 4044287     |                 | 2    |   |      |
| 8         | 36149919  | Stopper                | 4044288     |                 | 2    |  |      |
| 9         | 36176709  | Cap screw              |             | M5 x 20         | 2    |  |      |
| 10        | 36176904  | Set screw              |             | M5 x 6 flat end | 2    |  |      |
| 11        | 36176834  | Pan head machine screw |             | M6 x 8          | 4    |  |      |
| 12        | 36149920  | Guide                  | 4044289A    |                 | 2    |  |      |
| 13        | 36149921  | Nut                    | 4044290     |                 | 4    |  |      |



| Index No. | Parts No. | Parts Name                | Drawing No. | Type (Maker)              | Q'ty | Parts No.                                                                           | Note |
|-----------|-----------|---------------------------|-------------|---------------------------|------|-------------------------------------------------------------------------------------|------|
| 14        | 36176741  | Cap screw                 |             | M8 x 20                   | 4    |  |      |
| 15        | 36176716  | Cap screw                 |             | M6 x 20                   | 8    |  |      |
| 16        | 36149926  | Rubber plate              | 4044773     |                           | 2    |  |      |
| 17        | 36149965  | Push button               |             | 2DM4 (Yamatake-Haneywell) | 2    |  |      |
| 18        | 36175424  | Grommet                   |             | SG-22A (Takigen)          | 1    |  |      |
| 19        | 36149930  | Control box setting plate | 4049178     |                           | 2    |  |      |
| 20        | 36176834  | Pan head machine screw    |             | M6 x 8                    | 4    |  |      |
| 21        | 36176922  | Spring washer             |             | M6                        | 4    |  |      |
| 22        | 36183114  | Connector                 |             | 0A-1                      | 2    |  |      |

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## Amada Support, Rebuilds, Sales and Fanuc Control Upgrade



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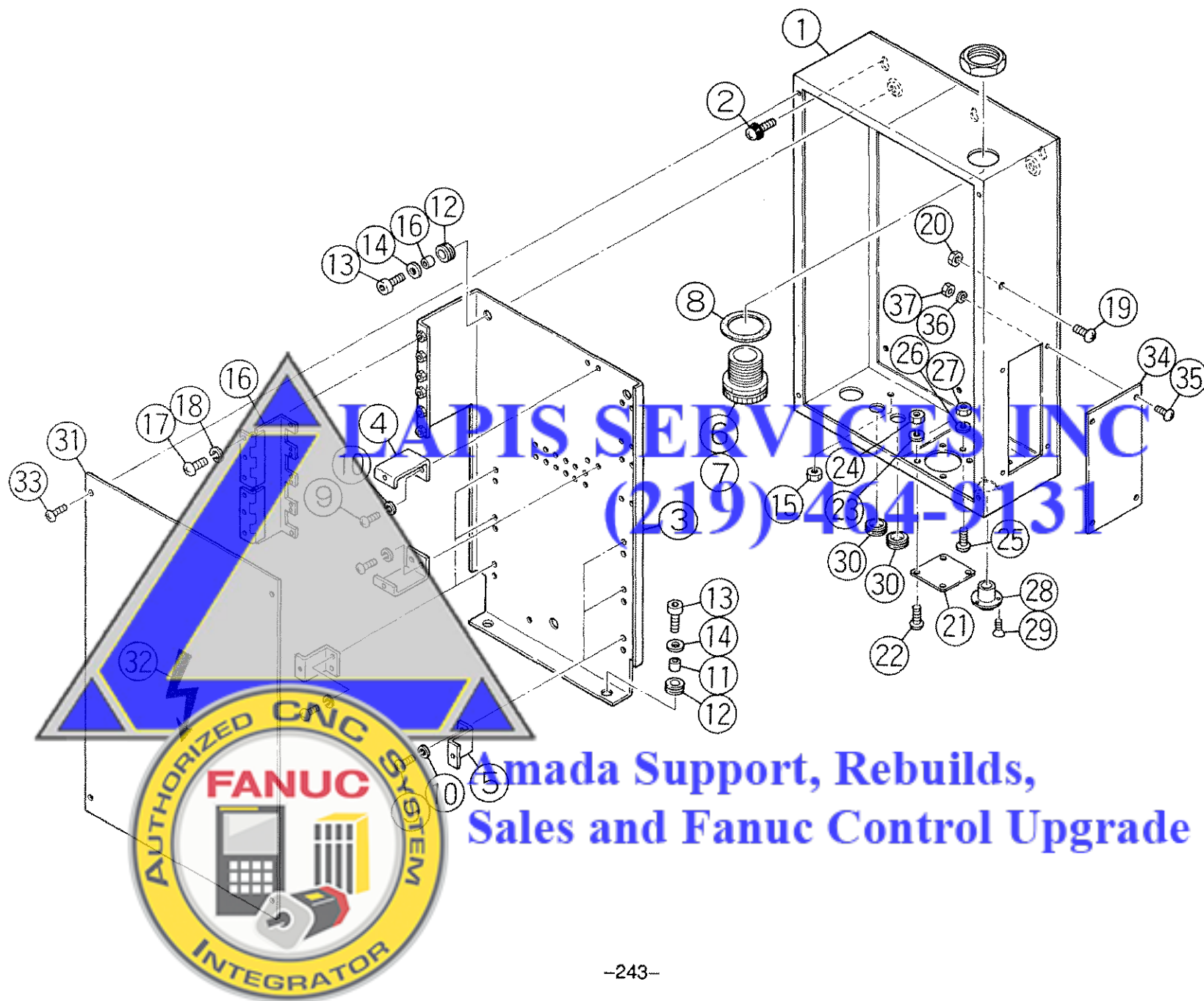


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Unit No. 44  
Relay box (1)

From serial No. 50809508 and after.



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)     | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|------------------|------|-----------|------|
| 1         | 36149935            | Box                         | 4099331     |                  | 1    |           |      |
| 2         | 36177229            | Pan head sems screw (3-pcs) |             | M6 x 16          | 4    |           |      |
| 3         | 36149939            | Apparatus setting plate     | 4099335C    |                  | 1    |           |      |
| 4         | 36174333            | Support (1)                 | 4099336     |                  | 2    |           |      |
| 5         | 36174334            | Support (2)                 | 4099337     |                  | 6    |           |      |
| 6         | 36149955 (36333730) | Connector                   |             | CSG-31 (Daiwa)   | 1    |           |      |
| 7         | 36149956 (36333805) | Bushing                     |             | B-36 (Daiwa)     | 1    |           |      |
| 8         | 36149957            | Rubber packing              |             | RB-31 (Daiwa)    | 1    |           |      |
| 9         | 36176818            | Pan head machine screw      |             | M4 x 10          | 16   |           |      |
| 10        | 36176919            | Spring washer               |             | M4 type-2        | 16   |           |      |
| 11        | 36140117            | Collar                      | 4091581A    |                  | 4    |           |      |
| 12        | 36174517            | Grommet                     |             | NG-79G (Takigen) | 4    |           |      |
| 13        | 36176715            | Cap screw                   |             | M6 x 16          | 4    |           |      |
| 14        | 36177106            | Washer                      |             | M6 polish        | 4    |           |      |
| 15        | 36176808            | Nut                         |             | M6 type-3        | 2    |           |      |
| 16        | 36149951            | Bracket                     | 4099347     |                  | 1    |           |      |
| 17        | 36176711            | Pan head machine screw      |             | M6 x 10          | 6    |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                     | Drawing No. | Type (Maker)     | Q'ty | Parts No. | Note |
|-----------|---------------------|--------------------------------|-------------|------------------|------|-----------|------|
| 18        | 36176923            | Spring washer                  |             | M6 type-2        | 6    |           |      |
| 19        | 36177033            | Pan head machine screw         |             | M6 x 10          | 1    |           |      |
| 20        | 36176807            | Nut                            |             | M6 type-2        | 1    |           |      |
| 21        | 36149943            | Plate                          | 4040559     |                  | 1    |           |      |
| 22        | 36176815            | Pan head machine screw         |             | M5 x 16          | 4    |           |      |
| 23        | 36176921            | Spring washer                  |             | M5 type-2        | 4    |           |      |
| 24        | 36176812            | Nut                            |             | M5 type-2        | 4    |           |      |
| 25        | 36176815            | Pan head machine screw         |             | M5 x 16          | 1    |           |      |
| 26        | 36176921            | Spring washer                  |             | M5 type-2        | 1    |           |      |
| 27        | 36176812            | Nut                            |             | M5 type-2        | 1    |           |      |
| 28        | 36149961 (75419120) | Receptacle                     |             | NCS-254-RF       | 1    |           |      |
| 29        | 36147831            | Countersink head machine screw |             | M3 x 8           | 3    |           |      |
| 30        | 36175424            | Grommet                        |             | SG-22A (Takigen) | 2    |           |      |
| 31        | 36149947            | Cover                          | 4099339     |                  | 1    |           |      |
| 32        | 36144007            | Socket electric                | 389793      |                  | 1    |           |      |
| 33        | 36176818            | Pan head machine screw         |             | M4 x 10          | 4    |           |      |
| 34        | 36149948            | Driver                         | 4099340     |                  | 1    |           |      |



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Relay box (1)

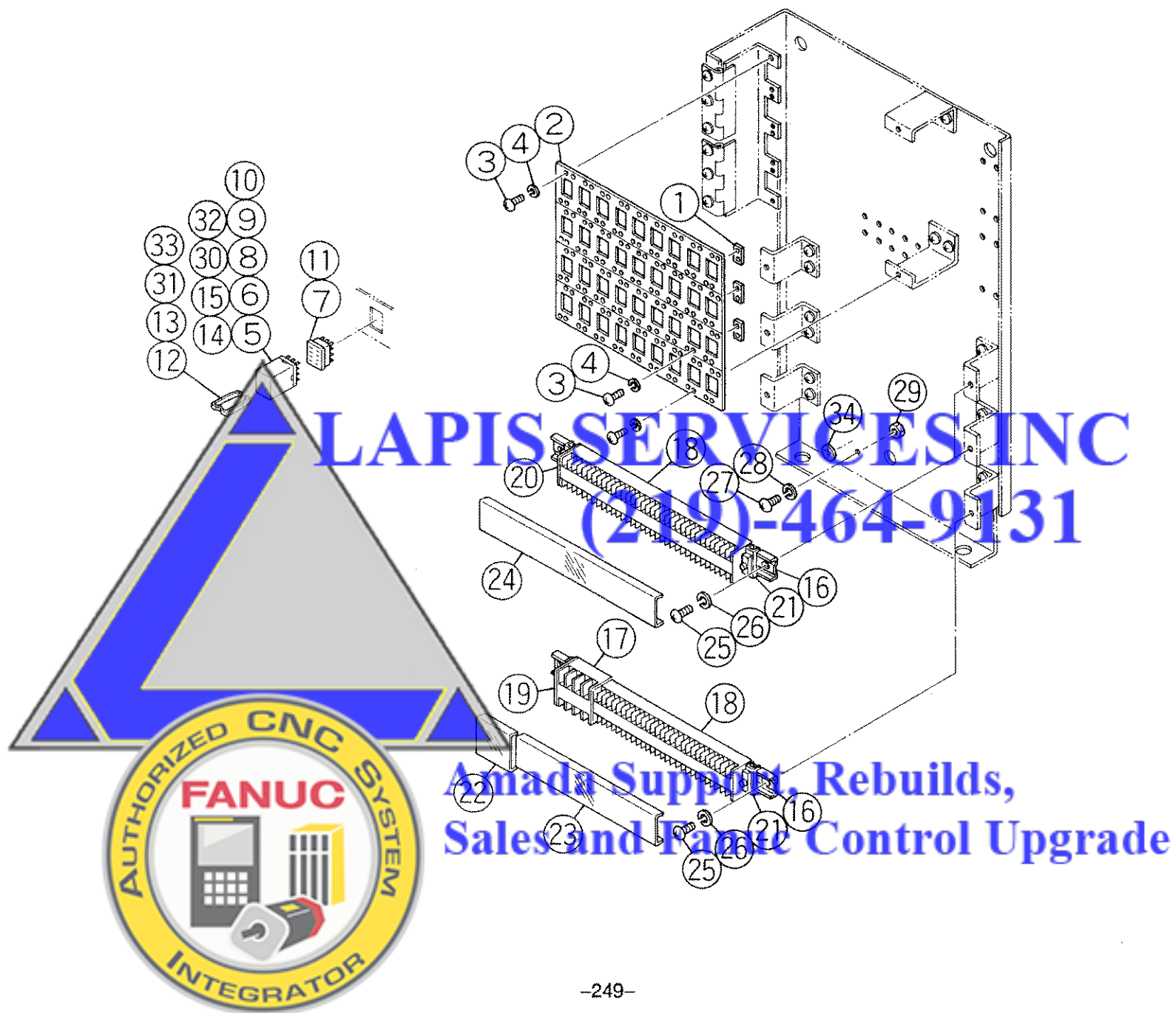
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## Amada Support, Rebuilds, Sales and Fanuc Control Upgrade



Unit No. 45  
Relay box (2)

From serial No. 50809508 and after.



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name             | Drawing No. | Type (Maker)       | Q'ty | Parts No. | Note |
|-----------|---------------------|------------------------|-------------|--------------------|------|-----------|------|
| 1         | 36149944            | Clamp plate            | 4047107     |                    | 3    |           |      |
| 2         | 36141407            | Socket setting plate   |             | PYP18 (OMRON)      | 4    |           |      |
| 3         | 36177116            | Pan head machine screw |             | M3 x 6             | 16   |           |      |
| 4         | 36176917            | Spring washer          |             | M3 type-2          | 16   |           |      |
| 5         | 36183514 (36112745) | Control relay          |             | LY2 AC100V (OMRON) | 1    |           |      |
| 6         | 36183518            | Control relay          |             | LY2 DC24V (OMRON)  | 15   |           |      |
| 7         | 36183519            | Socket                 |             | PT08 (OMRON)       | 19   |           |      |
| 8         | 36140901            | Control relay          |             | MY4 AC100V (OMRON) | 1    |           |      |
| 9         | 36183516            | Control relay          |             | MY4 DC24V (OMRON)  | 10   |           |      |
| 10        | 36140903            | Control relay          |             | MY2 DC24V (OMRON)  | 1    |           |      |
| 11        | 36141401            | Socket                 |             | PY14 (OMRON)       | 12   |           |      |
| 12        | 36141120            | Clip                   |             | PYC-P (OMRON)      | 27   |           |      |
| 13        | 36141125 (10476901) | Clip                   |             | PYC-1 (OMRON)      | 1    |           |      |
| 14        | 36183522            | Dipole                 |             | 1BZ-61 (Toshiba)   | 26   |           |      |
| 15        | 36183521            | Noise filter           |             | Z10L221 (Ishizuka) | 5    |           |      |
| 16        | 36174427            | Channel base           |             | BNP L=325 (Izumi)  | 3    |           |      |
| 17        | 36141307 (71108749) | Terminal               |             | BN311 (Izumi)      | 4    |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name             | Drawing No. | Type (Maker)                      | Q'ty | Parts No. | Note |
|-----------|---------------------|------------------------|-------------|-----------------------------------|------|-----------|------|
| 18        | 36141308            | Terminal               |             | BN211 (Izumi)                     | 99   |           |      |
| 19        | 36140817            | End plate              |             | BNE31 (Izumi)                     | 1    |           |      |
| 20        | 36140818            | End plate              |             | BNE21 (Izumi)                     | 2    |           |      |
| 21        | 36141119            | Clip                   |             | BNL3 (Izumi)                      | 6    |           |      |
| 22        | 36141326            | Terminal cover         |             | BNC32 L=60 (Izumi)                | 1    |           |      |
| 23        | 36141330            | Terminal cover         |             | BNC22 L=260 (Izumi)               | 1    |           |      |
| 24        | 36141332            | Terminal cover         |             | BNC22 L=290 (Izumi)               | 2    |           |      |
| 25        | 36176824            | Pan head machine screw |             | M6 x 10                           | 6    |           |      |
| 26        | 36176923            | Spring washer          |             | M6 type-2                         | 6    |           |      |
| 27        | 36176822            | Pan head machine screw |             | M5 x 10                           | 2    |           |      |
| 28        | 36176921            | Spring washer          |             | M5 type-2                         | 2    |           |      |
| 29        | 36176812            | Nut                    |             | M5 type-2                         | 1    |           |      |
| 30        | 36183948 (37117714) | Control relay          |             | MY-2V AC100V<br>10 second (OMRON) | 1    |           |      |
| 31        | 36141411            | Clip                   |             | PYC-1 (OMRON)                     | 1    |           |      |
| 32        | 36183514 (36112745) | Control relay          |             | LY-2 AC100V (OMRON)               | 2    |           |      |
| 33        | 36141120            | Clip                   |             | PYC-P (OMRON)                     | 2    |           |      |
| 34        | 36140026            | Sticker (ground)       |             | AS-K                              | 1    |           |      |

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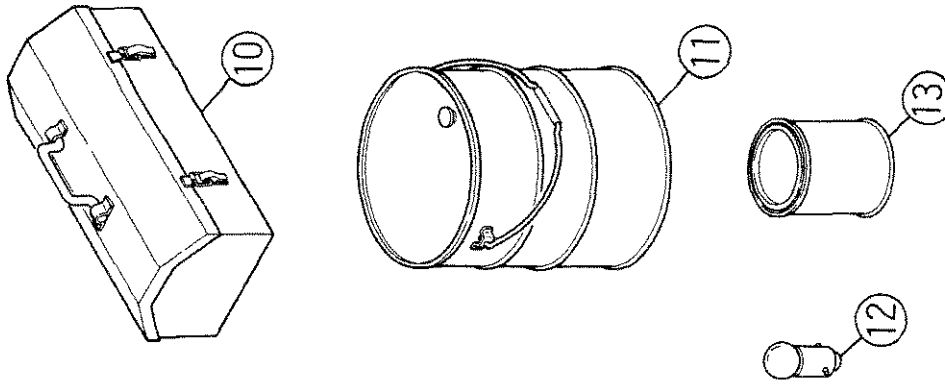
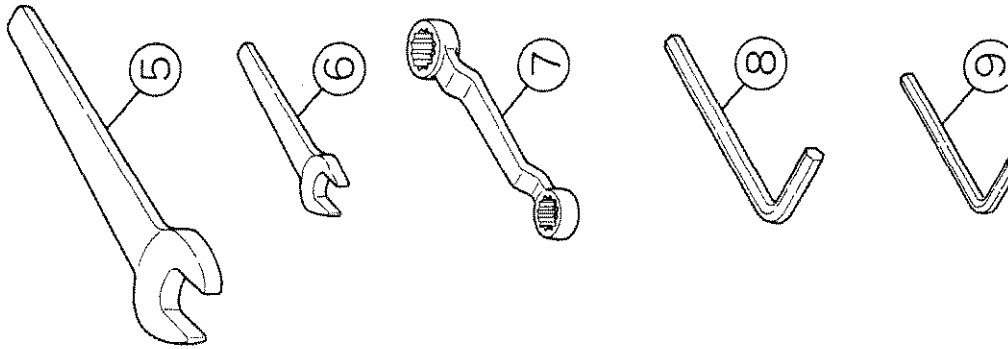
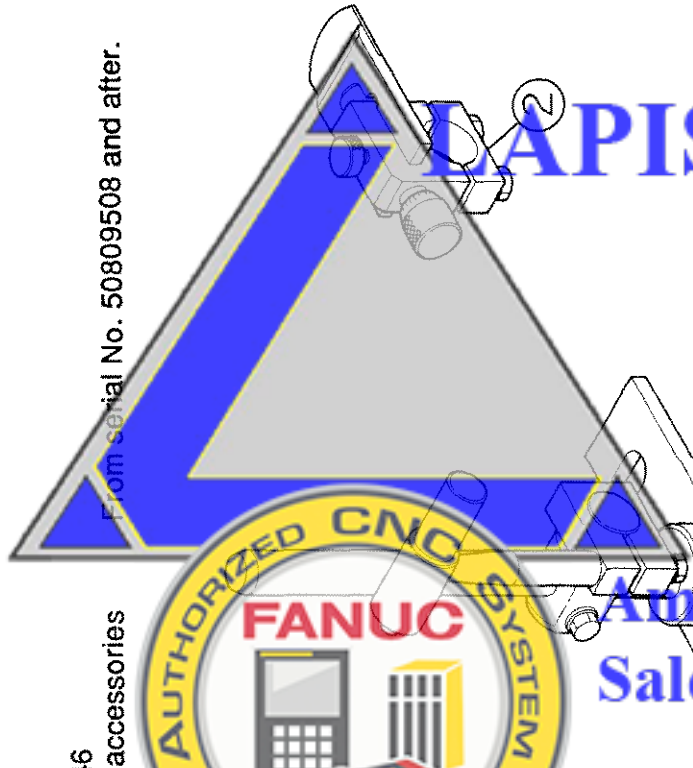


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Unit No. 46  
Standard accessories

From serial No. 50809508 and after.



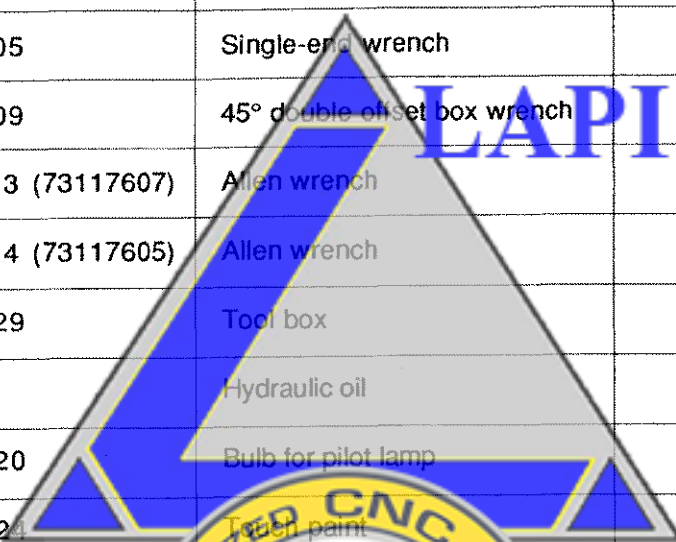
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| Index No. | Parts No.           | Parts Name                   | Drawing No. | Type (Maker)         | Q'ty | Parts No. | Note  |
|-----------|---------------------|------------------------------|-------------|----------------------|------|-----------|-------|
| 1         | 36120201            | Stopper setting plate        | 57.80000.0  |                      | 4    |           |       |
| 2         | 36143632            | Micrometer                   | 4161630     |                      | 2    |           |       |
| 3         | 36120215            | Die holder                   | 380860C     | H=75 L=830           | 2    |           |       |
| 4         | 36120216            | Die holder                   | 380865C     | H=75 L=412           | 1    |           | RG80S |
| 5         | 36143601 (61170214) | Single-end wrench            |             | 30                   | 1    |           |       |
| 6         | 36143605            | Single-end wrench            |             | 13                   | 2    |           |       |
| 7         | 36143609            | 45° double offset box wrench |             | 14 x 17              | 1    |           |       |
| 8         | 36143613 (73117607) | Allen wrench                 |             | 8                    | 2    |           |       |
| 9         | 36143614 (73117605) | Allen wrench                 |             | 5                    | 1    |           |       |
| 10        | 36143629            | Tool box                     |             | 330 x 150 x 100      | 1    |           |       |
| 11        |                     | Hydraulic oil                |             | 60 liters            | 1    |           |       |
| 12        | 36143620            | Bulb for pilot lamp          |             | LS-6 6.3V 1W (Izumi) | 2    |           |       |
| 13        | 36143624            | Touch paint                  |             | 0.5 liters           | 1    |           |       |

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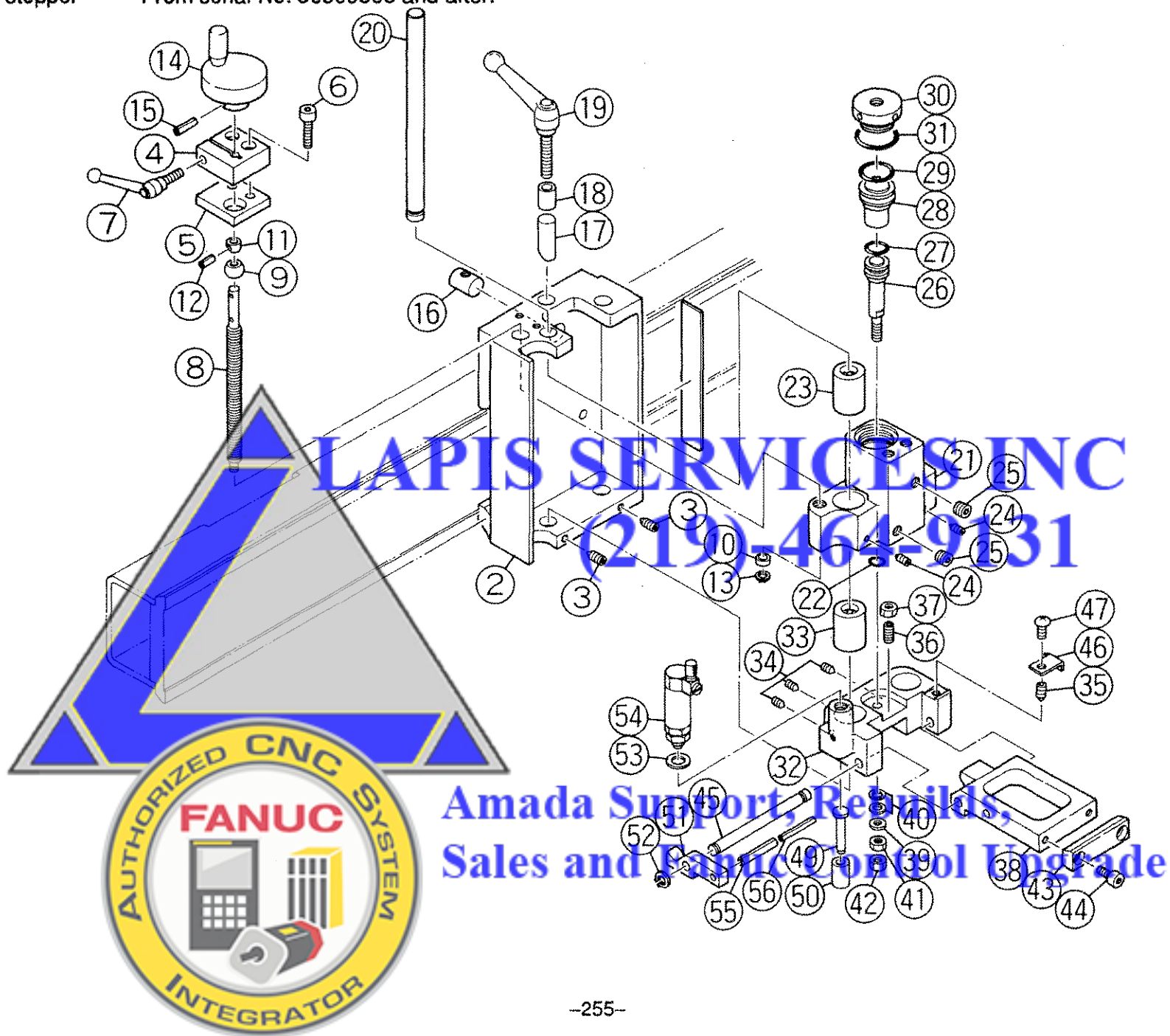
Amada Support, Rebuilds,  
 Sales and Fanuc Control Upgrade






Unit No. 47  
Flip-up work stopper

From serial No. 50809508 and after.



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                 | Drawing No. | Type (Maker)     | Q'ty  | Parts No. | Note |
|-----------|---------------------|----------------------------|-------------|------------------|-------|-----------|------|
| 1         | 36181501            | Flip-up work stopper ass'y | 4128816G    |                  | 1 set |           |      |
| 2         | 36181803            | Body                       | 4128797E    |                  | 1     |           |      |
| 3         | 36176908 (36323029) | Set screw                  |             | M6 x 10 cone end | 2     |           |      |
| 4         | 36181822            | Bearing retainer           | 4128798A    |                  | 1     |           |      |
| 5         | 36181823            | Bearing case               | 4128799     |                  | 1     |           |      |
| 6         | 36176717 (75168508) | Cap screw                  |             | M6 x 25          | 2     |           |      |
| 7         | 36181826            | Clamp lever                |             | KF6 x 20 (mao)   | 1     |           |      |
| 8         | 36181814            | Feed screw                 | 4128800A    |                  | 1     |           |      |
| 9         | 36181834            | Spherical shaft support    |             | NB6 (THK)        | 1     |           |      |
| 10        | 36181817            | Collar                     | 4128727     |                  | 1     |           |      |
| 11        | 36181818            | Collar                     | 4128801A    |                  | 1     |           |      |
| 12        | 36177012            | Spring pin                 |             | Φ3 x 10          | 1     |           |      |
| 13        | 36181819            | Spring                     |             | STW-6            | 1     |           |      |
| 14        | 36181825            | Hand wheel                 | 4128802     |                  |       |           |      |
| 15        | 36177013 (54117205) | Spring pin                 |             | Φ3 x 20          |       |           |      |
| 16        | 36181829            | Lock nut                   | 4128803     |                  | 1     |           |      |
| 17        | 36181830            | Lock bar                   | 4128804A    |                  | 1     |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name          | Drawing No. | Type (Maker)    | Q'ty | Parts No. | Note |
|-----------|---------------------|---------------------|-------------|-----------------|------|-----------|------|
| 18        | 36181831            | Collar              | 4128805     |                 | 1    |           |      |
| 19        | 36181832            | Clamp lever         |             | KR8 x 40 (Imao) | 1    |           |      |
| 20        | 36181835            | Guide rod           | 7950004     |                 | 2    |           |      |
| 21        | 36181838            | Cylinder            | 4128806B    |                 | 1    |           |      |
| 22        | 36181849            | O-ring              |             | 1BP10           | 1    |           |      |
| 23        | 36181847            | Linear ball bearing |             | LM13UU (THK)    | 2    |           |      |
| 24        | 36181626            | Set screw           |             | M4 x 6 cone end | 2    |           |      |
| 25        | 36181859 (29210630) | Plug                |             | 1/8"            | 2    |           |      |
| 26        | 36181840            | Piston              | 4128807D    |                 | 1    |           |      |
| 27        | 36181850            | O-ring              |             | 1BP14           | 1    |           |      |
| 28        | 36181841            | Piston              | 4128808A    |                 | 1    |           |      |
| 29        | 36181851            | O-ring              |             | 1BP21           | 1    |           |      |
| 30        | 36181843            | Cap                 | 4128809     |                 | 1    |           |      |
| 31        | 36181852            | O-ring              |             | S-28 (NOK)      | 1    |           |      |
| 32        | 36181559            | Holder              | 4128820D    |                 | 1    |           |      |
| 33        | 36181847            | Linear ball bearing |             | LM13UU (THK)    | 2    |           |      |
| 34        | 36181626            | Cap screw           |             | M4 x 6 cone end | 5    |           |      |

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From serial No. 50809508 and after.

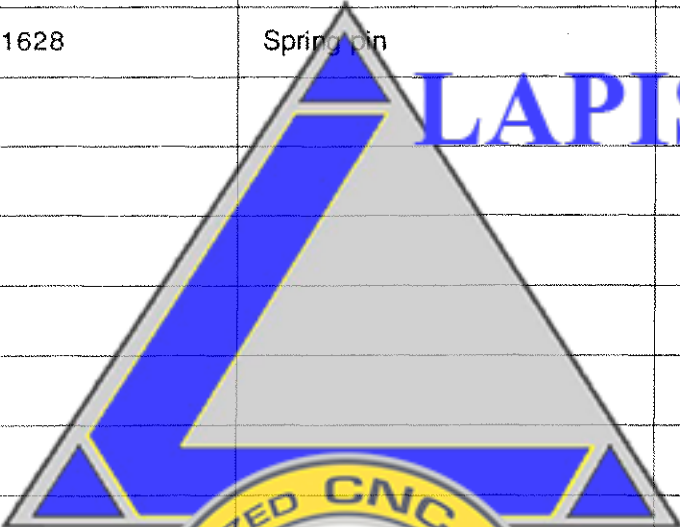
| Index No. | Parts No.           | Parts Name             | Drawing No. | Type (Maker)     | Q'ty | Parts No. | Note |
|-----------|---------------------|------------------------|-------------|------------------|------|-----------|------|
| 35        | 36176908 (36323029) | Set screw              |             | M6 x 10 cone end | 1    |           |      |
| 36        | 36176914            | Set screw              |             | M6 x 15 dog end  | 1    |           |      |
| 37        | 36176808 (74304422) | Nut                    |             | M6 type-3        | 1    |           |      |
| 38        | 36181806            | Work stopper           | 4128811B    |                  | 1    |           |      |
| 39        | 36177004 (44027930) | Washer                 |             | M6               | 1    |           |      |
| 40        | 36368330            | Cone disk spring       |             | M6 1L            | 2    |           |      |
| 41        | 36176808 (74304422) | Nut                    |             | M6 type-3        | 1    |           |      |
| 42        | 36176806            | Nut                    |             | M6 type-1        | 1    |           |      |
| 43        | 36181807            | Pad                    | 4128812C    |                  | 1    |           |      |
| 44        | 36176711 (74302812) | Cap screw              |             | M6 x 10          | 2    |           |      |
| 45        | 36181809            | Pin                    | 4129243     |                  | 1    |           |      |
| 46        | 36181861            | Pointer                | 4128814A    |                  | 1    |           |      |
| 47        | 36176834            | Pad head machine screw |             | M6 x 8           | 1    |           |      |
| 48        |                     | Screw                  |             |                  |      |           |      |
|           | 36181862            | (mm)                   | 4128815A    |                  | 1    |           |      |
|           | 36181863            | (inch)                 | 4129820A    |                  | 1    |           |      |
| 49        | 36181520            | Flip-up rod            | 4128818     |                  | 1    |           |      |

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From serial No. 50809508 and after.

| Index No.                                                                                                                                                                                                                                                                                                    | Parts No. | Parts Name          | Drawing No. | Type (Maker) | Q'ty | Parts No.                                                                           | Note |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|-------------|--------------|------|-------------------------------------------------------------------------------------|------|
| 50                                                                                                                                                                                                                                                                                                           | 36181521  | Linear ball bearing |             | LM61UU (THK) | 1    |  |      |
| 51                                                                                                                                                                                                                                                                                                           | 36181513  | Flip-up lever       | 4128819B    |              | 1    |  |      |
| 52                                                                                                                                                                                                                                                                                                           | 36181516  | Snap ring           |             | STW-8        | 1    |  |      |
| 53                                                                                                                                                                                                                                                                                                           | 36181546  | Shim                | 4129122     |              | 3    |  |      |
| 54                                                                                                                                                                                                                                                                                                           | 36181545  | Cylinder            | 7950002C    |              | 1    |  |      |
| 55                                                                                                                                                                                                                                                                                                           | 36181514  | Spring pin          |             | Φ6 x 36      | 1    |  |      |
| 56                                                                                                                                                                                                                                                                                                           | 36181628  | Spring pin          |             | Φ3.5 x 36    | 1    |  |      |
|  <p><b>LAPIS SERVICES INC</b><br/><b>(219)-464-9131</b></p> <p><b>Amada Support, Rebuilds,<br/>Sales and Fanuc Control Upgrade</b></p>  |           |                     |             |              |      |                                                                                     |      |
|                                                                                                                                                                                                                                                                                                              |           |                     |             |              |      |                                                                                     |      |
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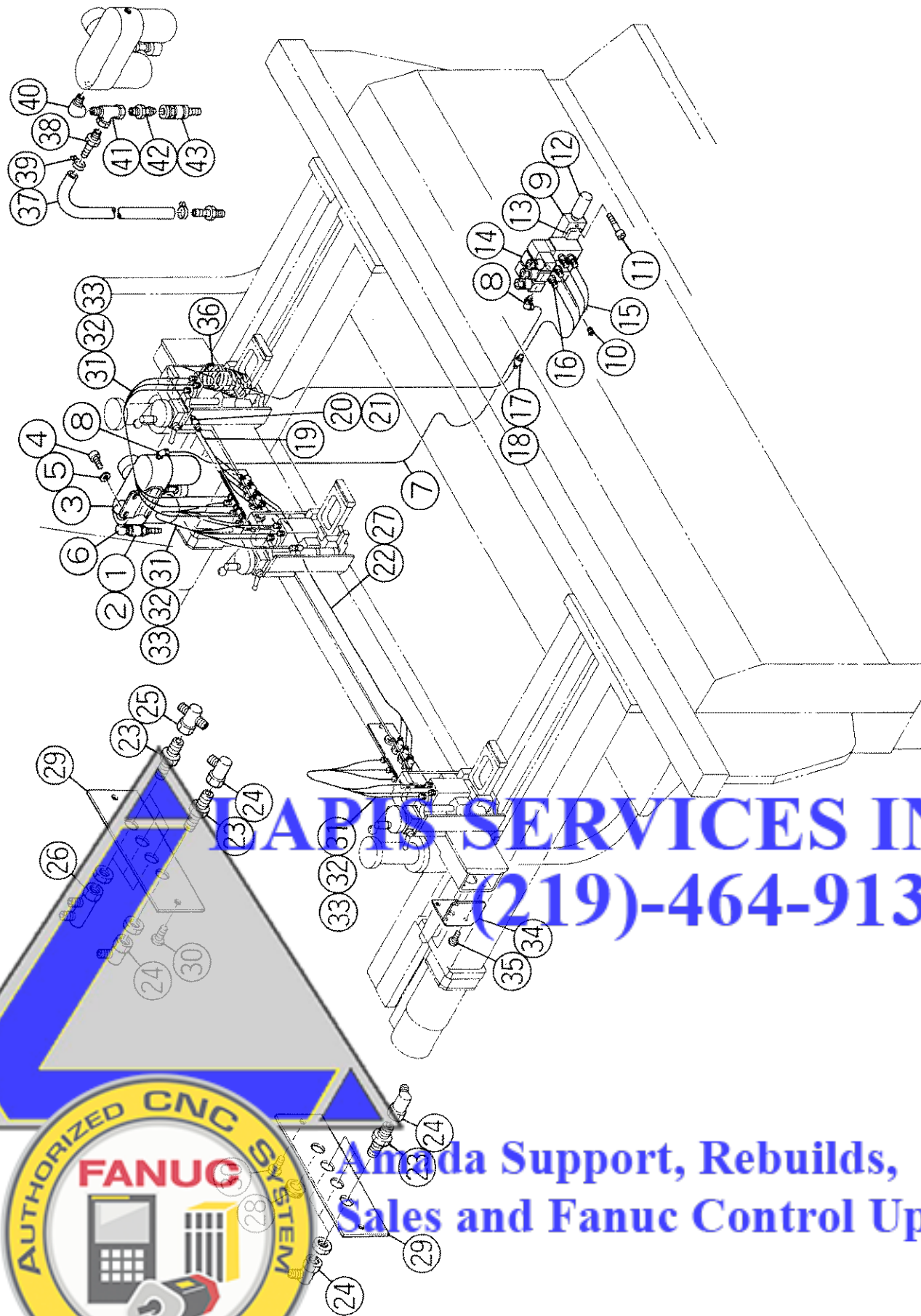
Unit No. 48  
Pneumatic piping (2)

From serial No. 50809508 and after.



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From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name      | Drawing No. | Type (Maker)                  | Q'ty | Parts No. | Note |
|-----------|---------------------|-----------------|-------------|-------------------------------|------|-----------|------|
| 1         | 36176107 (58354701) | Plug            |             | 20PM (Nitto koki)             | 1    |           |      |
| 2         | 36176108 (74162521) | Socket          |             | 20SM (Nitto koki)             | 1    |           |      |
| 3         | 36182517            | Air supply unit |             | AU200-02BG-R (SMC)            | 1    |           |      |
| 4         | 36176739 (36329937) | Cap screw       |             | M8 x 10                       | 2    |           |      |
| 5         | 36176924 (10001521) | Spring washer   |             | M8 type-2                     | 2    |           |      |
| 6         | 36182552            | Elbow           |             | PT 1/4"                       | 1    |           |      |
| 7         | 36176119            | Tube            |             | 70-08 L=2000 (Junron)         | 1    |           |      |
| 8         | 36182549            | Elbow           |             | PL-8 x 6-PT 1/4"-BS (Junron)  | 2    |           |      |
| 9         | 36182505            | Manifold        |             | VV3000-04-B3 (SMC)            | 1    |           |      |
| 10        | 36182556 (29211730) | Plug            |             | 1/4"                          | 4    |           |      |
| 11        | 36176710 (74304902) | Cap screw       |             | M5 x 35                       | 2    |           |      |
| 12        | 36182514 (36003029) | Silencer        |             | AN200-02 (SMC)                | 2    |           |      |
| 13        | 36182509            | Blind plug      |             | DXT031-38-1A (SMC)            | 1    |           |      |
| 14        | 36182501            | Solenoid valve  |             | VF3130-1DZ-02 (SMC)           | 3    |           |      |
| 15        | 36182606            | Tube            |             | 30-06 L=1200 (Junron)         | 3    |           |      |
| 16        | 36182547            | Nipple          |             | BN-6 x 4-PT 1/4"-BSN (Junron) | 3    |           |      |
| 17        | 36182553            | Union           |             | BU-6 x 4-BSN (Junron)         | 3    |           |      |

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| Index No. | Parts No.           | Parts Name                | Drawing No. | Type (Maker)                   | Q'ty | Parts No. | Note |
|-----------|---------------------|---------------------------|-------------|--------------------------------|------|-----------|------|
| 18        | 36182560            | Sleeve                    |             | BS-06 (Junron)                 | 9    |           |      |
| 19        |                     | Tube                      |             |                                |      |           |      |
|           | 36182601            | RG80S                     |             | 30-06 L=200 (Junron)           | 3    |           |      |
|           | 36182602            | RG80                      |             | 30-06 L=350 (Junron)           | 3    |           |      |
| 20        | 36182553            | Union                     |             | BU-6 x 4-BSN (Junron)          | 3    |           |      |
| 21        | 36182560            | Sleeve                    |             | BS-06 (Junron)                 | 6    |           |      |
| 22        |                     | Tube                      |             |                                |      |           |      |
|           | 36182604            | RG80S                     |             | 30-06 L=800 (Junron)           | 3    |           |      |
|           | 36182606            | RG80                      |             | 30-06 L=1100 (Junron)          | 3    |           |      |
| 23        | 36182554            | Panel union               |             | PF 1/8" x 1/8" (Junron)        | 7    |           |      |
| 24        | 36182548            | Elbow                     |             | BL-6 x 4-PT 1/8"-BSN (Junron)  | 8    |           |      |
| 25        | 36182556            | Tee                       |             | BTA-6 x 4-PT 1/8"-BSN (Junron) | 3    |           |      |
| 26        | 36182550            | Elbow                     | 7951006A    |                                | 3    |           |      |
| 27        | 36182560            | Sleeve                    |             | BS-06 (Junron)                 | 21   |           |      |
| 28        | 36182650            | Panel                     |             | SG 16A (Takigen)               | 1    |           |      |
| 29        | 36182629            | Panel                     | 4129070     |                                | 2    |           |      |
| 30        | 36176620 (74306424) | Button head machine screw |             | M6 x 10                        | 4    |           |      |



From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                | Drawing No. | Type (Maker)                  | Q'ty | Parts No.                                                                             | Note               |
|-----------|---------------------|---------------------------|-------------|-------------------------------|------|---------------------------------------------------------------------------------------|--------------------|
| 31        |                     | Tube                      |             |                               |      |                                                                                       |                    |
|           | 36182608            | RG80S                     |             | 30-06 L=600 (Junron)          | 10   |    |                    |
|           | 36182603            | RG80                      |             | 30-06 L=700 (Junron)          | 10   |    |                    |
| 32        | 36182545            | Nipple                    |             | BN-6 x 4-PT 1/8"-BSN (Junron) | 9    |    |                    |
| 33        | 36182560            | Sleeve                    |             | BS-06 (Junron)                | 9    |    |                    |
| 34        |                     | Cover (2)                 |             |                               |      |                                                                                       |                    |
|           | 36171619            | RG80S                     | 4129077A    |                               | 1    |    |                    |
|           | 36182627            | RG80                      | 4129072A    |                               | 1    |    |                    |
| 35        | 36176620 (74306424) | Button head machine screw |             | M6 x 10                       | 4    |    |                    |
| 36        |                     | Coil tube                 |             |                               |      |                                                                                       |                    |
|           | 36185004            | RG80S                     | 4129302     |                               | 1    |  |                    |
|           | 36185005            | RG80                      | 4129303     |                               | 1    |  |                    |
| 37        | 36182662            | Rubber hose               |             | MID-9 L=600 (Yokohama)        | 1    |  | Punch clamp option |
| 38        | 36182659            | Nipple                    |             | NH-65 (Koyo)                  | 2    |  | Punch clamp option |
| 39        | 36182663            | Cip                       |             | #00                           | 2    |  | Punch clamp option |
| 40        | 36182655            | Elbow                     |             | 1/4"                          | 1    |  | Punch clamp option |
| 41        | 36182557            | Tee                       |             | PT 3/8"                       | 1    |  | Punch clamp option |

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**Amada Support, Rebuilds,  
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From serial No. 50809508 and after.

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## Amada Support, Rebuilds, Sales and Fanuc Control Upgrade



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**Amada Support, Rebuilds,  
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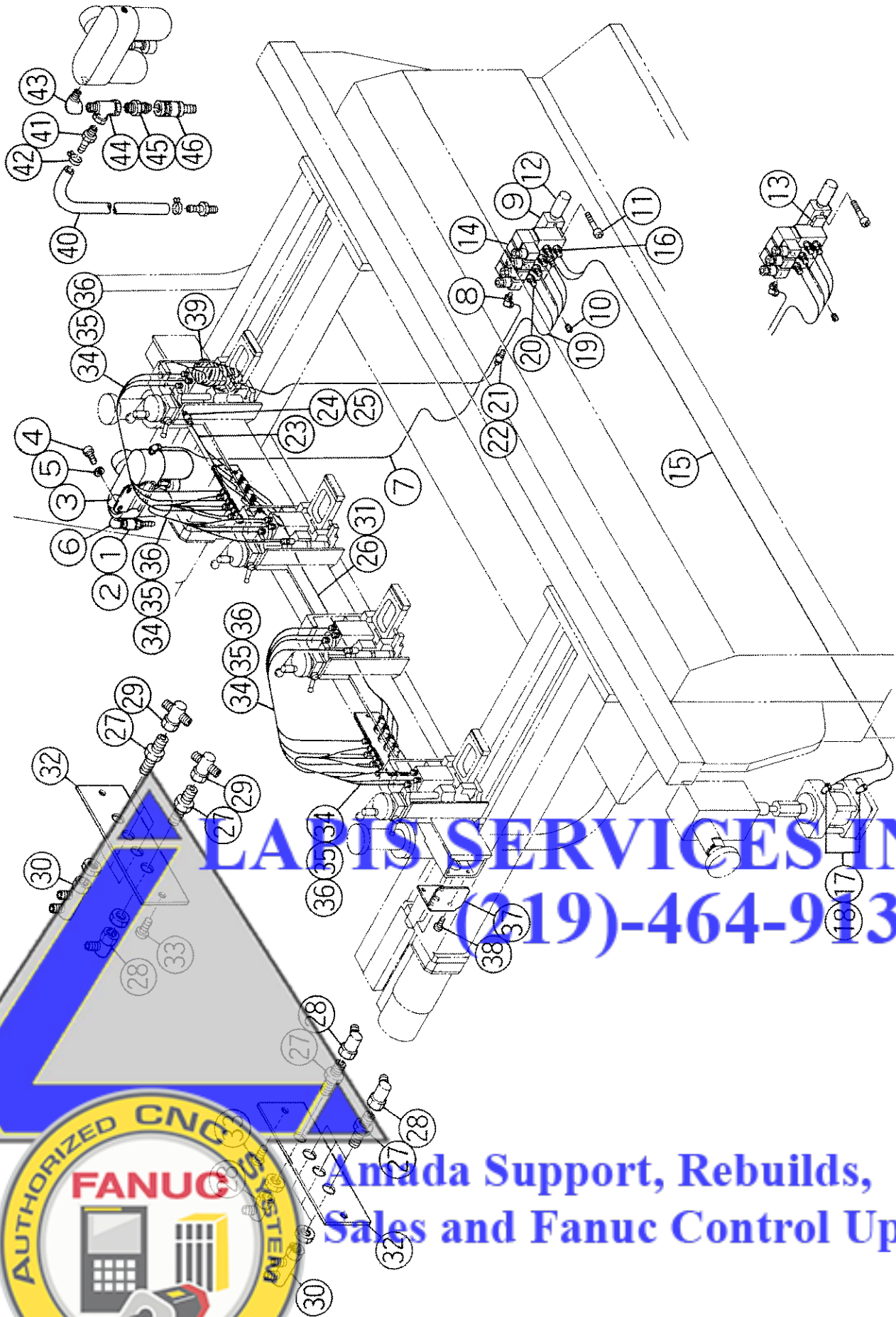
Unit No. 49  
Pneumatic piping (3)

From serial No. 50809508 and after.



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From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name      | Drawing No. | Type (Maker)                 | Q'ty | Parts No. | Note      |
|-----------|---------------------|-----------------|-------------|------------------------------|------|-----------|-----------|
| 1         | 36176107 (58354701) | Plug            |             | 20PM (Nitto koki)            | 1    |           |           |
| 2         | 36176108 (74162521) | Socket          |             | 20SM (Nitto koki)            | 1    |           |           |
| 3         | 36182517            | Air supply unit |             | AU200-02BG-R (SMC)           | 1    |           |           |
| 4         | 36176739            | Cap screw       |             | M8 x 10                      | 2    |           |           |
| 5         | 36176924 (10001521) | Spring washer   |             | M8 type-2                    | 2    |           |           |
| 6         | 36182552            | Elbow           |             | PT 1/4"                      | 1    |           |           |
| 7         | 36176119            | Tube            |             | 70-08 L=2000 (Junron)        | 1    |           |           |
| 8         | 36182549            | Elbow           |             | PL-8 x 6-PT 1/4"-BS (Junron) | 2    |           |           |
| 9         | 36182505            | Manifold        |             | VV3000-04-B3 (SMC)           | 1    |           |           |
| 10        | 36182556 (29211730) | Plug            |             | 1/4"                         | 5    |           |           |
| 11        | 36176710 (74304902) | Cap screw       |             | M5 x 35                      | 2    |           |           |
| 12        | 36182514 (36003029) | Silencer        |             | AN200-02 (SMC)               | 2    |           |           |
| 13        | 36182509            | Blind plug      |             | DXT031-38-1A (SMC)           | 1    |           | STD Multi |
| 14        | 36182502            | Solenoid valve  |             | VF330-1DZ-02 C-Multi (SMC)   | 4    |           |           |
| 15        |                     | Tube            |             |                              | 3    |           | C-Multi   |
|           | 36176113            | PG60S           |             | 70-06 L=2000 (Junron)        | 2    |           | C-Multi   |
|           | 36176114            | PG80            |             | 70-06 L=2500 (Junron)        | 2    |           | C-Multi   |



From serial No. 50809508 and after.

| Index No. | Parts No. | Parts Name  | Drawing No. | Type (Maker)                      | Q'ty | Parts No.                                                                             | Note    |
|-----------|-----------|-------------|-------------|-----------------------------------|------|---------------------------------------------------------------------------------------|---------|
| 16        | 36176133  | Nipple      |             | PN-6 x 4.5-PT 1/4"-BS<br>(Junron) | 2    |    | C-Multi |
| 17        | 36176140  | Bushing     |             | 3/8" x 1/4"                       | 2    |    | C-Multi |
| 18        | 36176126  | Elbow       |             | PL-6 x 4.5-PT 1/4"-BS<br>(Junron) | 2    |    | C-Multi |
| 19        | 36182606  | Tube        |             | 30-06 L=1200 (Junron)             | 4    |    |         |
| 20        | 36182547  | Nipple      |             | BN-6 x 4-PT 1/4"-BSN<br>(Junron)  | 4    |    |         |
| 21        | 36182553  | Union       |             | BU-6 x 4-BSN (Junron)             | 4    |    |         |
| 22        | 36182560  | Sleeve      |             | BS-06<br>(Junron)                 | 12   |    |         |
| 23        |           | Tube        |             |                                   |      |                                                                                       |         |
|           | 36182601  | RG80S       |             | 30-06 L=200 (Junron)              | 4    |    |         |
|           | 36182602  | RG80        |             | 30-06 L=350 (Junron)              | 4    |    |         |
| 24        | 36182553  | Union       |             | BU-6 x 4-BSN (Junron)             | 4    |    |         |
| 25        | 36182560  | Sleeve      |             | BS-06 (Junron)                    | 8    |  |         |
| 26        |           | Tube        |             |                                   |      |                                                                                       |         |
|           | 36182604  | RG80S       |             | 30-06 L=800 (Junron)              | 4    |  |         |
|           | 36182606  | RG80        |             | 30-06 L=1100 (Junron)             | 4    |  |         |
| 27        | 36182554  | Panel union |             | PF-1/8" x 1/8" (Junron)           | 8    |  |         |
| 28        | 36182548  | Elbow       |             | BL-6 x 4-PT 1/8"-BSN<br>(Junron)  | 6    |  |         |

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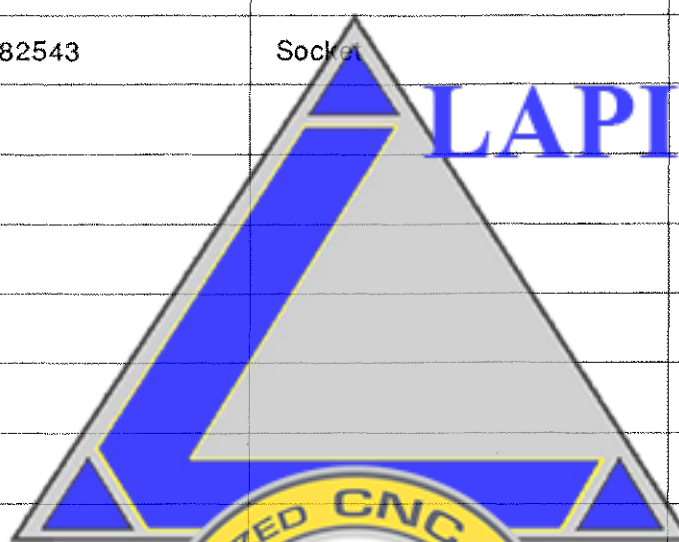


From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                | Drawing No. | Type (Maker)                      | Q'ty | Parts No.                                                                             | Note |
|-----------|---------------------|---------------------------|-------------|-----------------------------------|------|---------------------------------------------------------------------------------------|------|
| 29        | 36182556            | Tee                       |             | BTA-6 x 4-PT 1/8"-BSN<br>(Junron) | 4    |    |      |
| 30        | 36182550            | Elbow                     | 7951006A    |                                   | 6    |    |      |
| 31        | 36182560            | Sleeve                    |             | BS-06<br>(Junron)                 | 26   |    |      |
| 32        | 36182629            | Panel                     | 4129070     |                                   | 2    |    |      |
| 33        | 36176620 (74306424) | Button head machine screw |             | M6 x 10                           | 4    |    |      |
| 34        |                     | Tube                      |             |                                   |      |                                                                                       |      |
|           | 36182608            | RG80S                     |             | 30-06 L=600<br>(Junron)           | 14   |    |      |
|           | 36182603            | RG80                      |             | 30-06 L=700<br>(Junron)           | 14   |    |      |
| 35        | 36182545            | Nipple                    |             | BN-6 x 4-PT 1/8"-BSN<br>(Junron)  | 12   |    |      |
| 36        | 36182560            | Sleeve                    |             | BS-06<br>(Junron)                 | 12   |    |      |
| 37        |                     | Cover (2)                 |             |                                   |      |                                                                                       |      |
|           | 36171619            | RG80S                     | 4129077A    |                                   | 1    |  |      |
|           | 36182627            | RG80                      | 4129072A    |                                   | 1    |  |      |
| 38        | 36176620 (74306424) | Button head machine screw |             | M6 x 10                           | 4    |  |      |
| 39        |                     | Coil tube                 |             |                                   |      |                                                                                       |      |
|           | 36185004            | RG80S                     | 4129302D    |                                   | 1    |  |      |
|           | 36185005            | RG80                      | 4129303D    |                                   | 1    |  |      |



From serial No. 50809508 and after.

| Index No.                                                                                                                                                                                                                                                                                             | Parts No. | Parts Name  | Drawing No. | Type (Maker)           | Q'ty | Parts No.                                                                           | Note               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|-------------|------------------------|------|-------------------------------------------------------------------------------------|--------------------|
| 40                                                                                                                                                                                                                                                                                                    | 36182662  | Rubber hose |             | MID-4 L=600 (Yokohama) | 1    |  | Punch clamp option |
| 41                                                                                                                                                                                                                                                                                                    | 36182659  | Nipple      |             | NH-65 (Koyo)           | 2    |  | Punch clamp option |
| 42                                                                                                                                                                                                                                                                                                    | 36182663  | Clip        |             | #00                    | 2    |  | Punch clamp option |
| 43                                                                                                                                                                                                                                                                                                    | 36182655  | Elbow       |             | 1/4"                   | 1    |  | Punch clamp option |
| 44                                                                                                                                                                                                                                                                                                    | 36182557  | Tee         |             | PT 3/8"                | 1    |  | Punch clamp option |
| 45                                                                                                                                                                                                                                                                                                    | 36182544  | Plug        |             | 30PM (Nitto koki)      | 1    |  | Punch clamp option |
| 46                                                                                                                                                                                                                                                                                                    | 36182543  | Socket      |             | 30SH (Nitto koki)      | 1    |  | Punch clamp option |
|  <p><b>LAPIS SERVICES INC</b><br/>(219)-464-9131</p> <p><b>Amada Support, Rebuilds,<br/>Sales and Fanuc Control Upgrade</b></p>  |           |             |             |                        |      |                                                                                     |                    |
|                                                                                                                                                                                                                                                                                                       |           |             |             |                        |      |                                                                                     |                    |
|                                                                                                                                                                                                                                                                                                       |           |             |             |                        |      |                                                                                     |                    |
|                                                                                                                                                                                                                                                                                                       |           |             |             |                        |      |                                                                                     |                    |
|                                                                                                                                                                                                                                                                                                       |           |             |             |                        |      |                                                                                     |                    |
|                                                                                                                                                                                                                                                                                                       |           |             |             |                        |      |                                                                                     |                    |
|                                                                                                                                                                                                                                                                                                       |           |             |             |                        |      |                                                                                     |                    |
|                                                                                                                                                                                                                                                                                                       |           |             |             |                        |      |                                                                                     |                    |
|                                                                                                                                                                                                                                                                                                       |           |             |             |                        |      |                                                                                     |                    |
|                                                                                                                                                                                                                                                                                                       |           |             |             |                        |      |                                                                                     |                    |

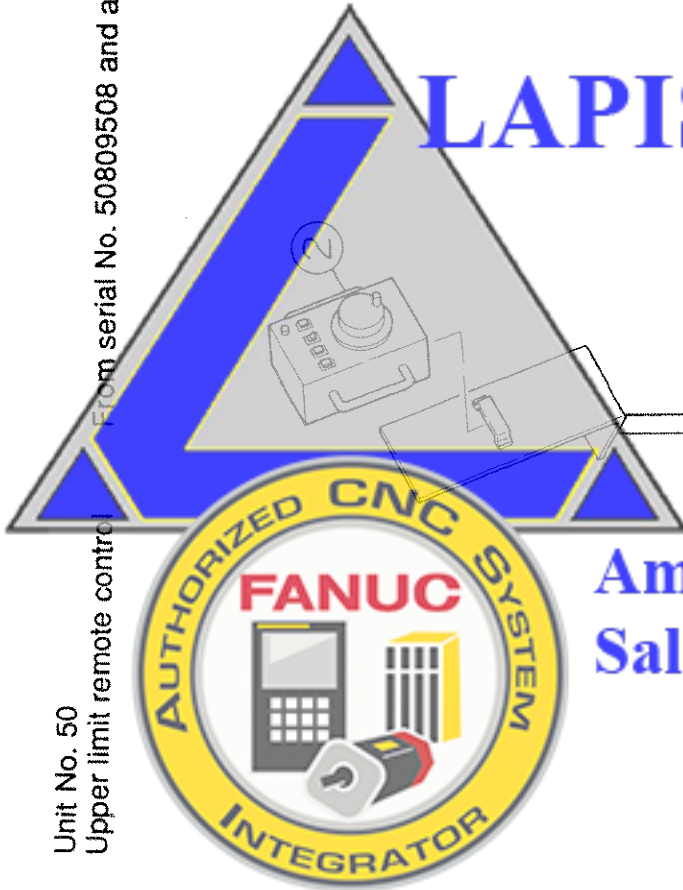


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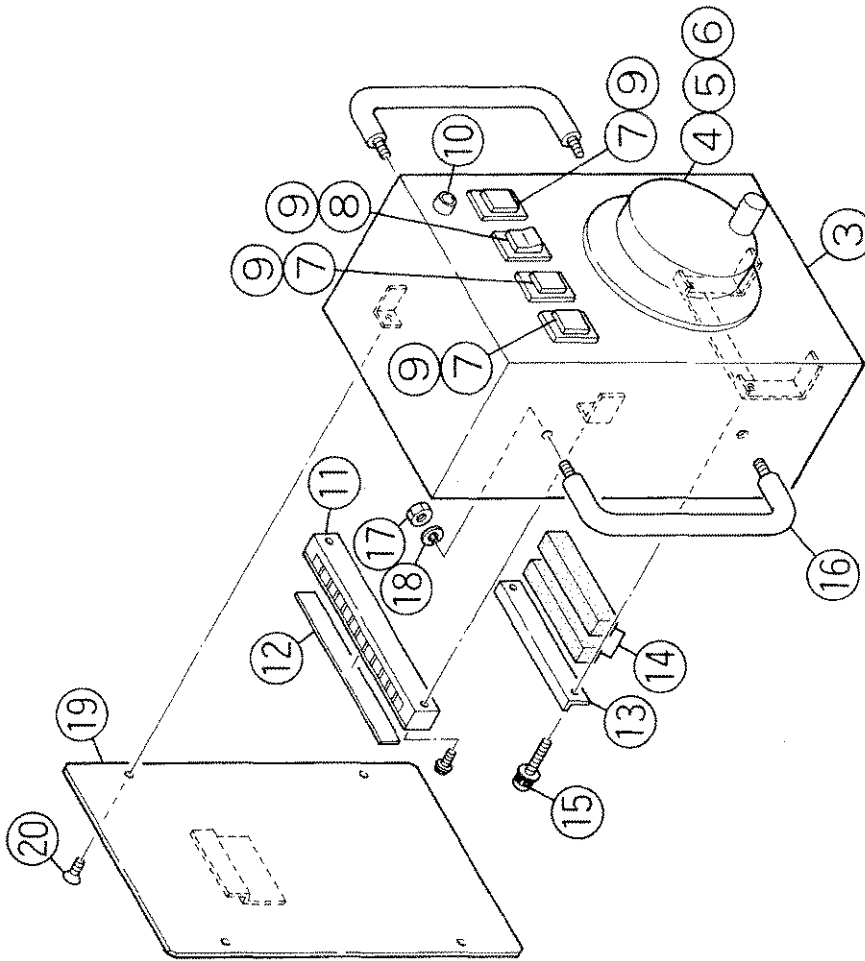
Unit No. 50

Upper limit remote control From serial No. 50809508 and after.



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From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                  | Drawing No. | Type (Maker)            | Q'ty  | Parts No. | Note |
|-----------|---------------------|-----------------------------|-------------|-------------------------|-------|-----------|------|
| 1         | 36183038 (36173415) | Stand                       | 4099817A    |                         | 1     |           |      |
| 2         | 36173403            | Remote control box ass'y    | M9022802    |                         | 1 set |           |      |
| 3         | 36183004            | Control box                 | M1079002A   |                         | 1     |           |      |
| 4         |                     | Handle pulser               |             |                         |       |           |      |
|           | 36173430            |                             |             | OSM-01-2CZ7             | 1     |           |      |
|           | 36173431            |                             |             | HG-028-100              | 1     |           |      |
| 5         | 36177027            | Pan head sems screw (3-pcs) |             | M3 x 8 polish           | 3     |           |      |
| 6         | 36177120            | Pan head sems screw (3-pcs) |             | M4 x 8 polish           | 4     |           |      |
| 7         | 36183010            | Switch                      |             | EB-2011-1-11W (NKK)     | 3     |           |      |
| 8         | 36183009            | Switch                      |             | PW2012-02W (NKK)        | 1     |           |      |
| 9         | 36183017            | Bezel                       |             | AT207W white (NKK)      | 4     |           |      |
| 10        | 36183015            | Light emission diode        |             | SDB205B green (Stanley) | 1     |           |      |
| 11        | 36183048            | Block terminal TB           |             | S-205-12P-21C (Kowa)    | 1     |           |      |
| 12        | 36173559            | Terminal No. label          | M8000601A   |                         | 1     |           |      |
| 13        | 36173560            | Bracket                     | M10794      |                         | 1     |           |      |
| 14        | 36173561            | Cust. box                   | M2604601    |                         | 2     |           |      |
| 15        | 36177227            | Pan head sems screw (3-pcs) |             | M3 x 30 polish          | 2     |           |      |

Amada Support, Rebuilds,  
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From serial No. 50809508 and after.

| Index No. | Parts No.           | Parts Name                     | Drawing No. | Type (Maker)       | Q'ty | Parts No.                                                                           | Note |
|-----------|---------------------|--------------------------------|-------------|--------------------|------|-------------------------------------------------------------------------------------|------|
| 16        | 36183043 (74306308) | Pull                           |             | A-42-B-6 (Takigen) | 2    |  |      |
| 17        | 36176812            | Nut                            |             | M5 type-2          | 4    |  |      |
| 18        | 36176920            | Spring washer                  |             | M5                 | 4    |  |      |
| 19        | 36173563            | Rear cover                     | M1078902    |                    | 1    |  |      |
| 20        | 36177063            | Countersink head machine screw |             | M3 x 6             | 4    |  |      |
| 21        | 36149309            | Wire harness, EXII-P           | E890000538  |                    | 1    |  |      |

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## Amada Support, Rebuilds, Sales and Fanuc Control Upgrade



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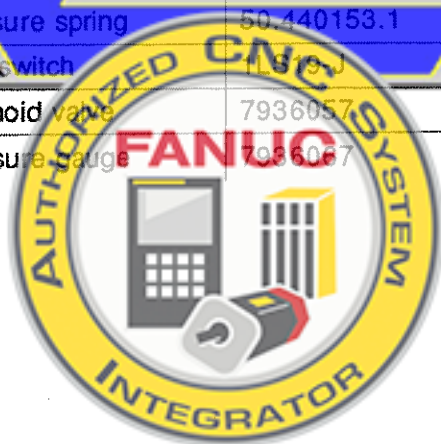
## SPARE PARTS SET

The following is a list of parts frequently consumed during operation of the machine. We suggest you keep a supply of these expendables in reserve.

### Contents of Spare Parts Set

| Unit No. | Index No. | Parts name       | Drawing No. or Type | Q'ty |
|----------|-----------|------------------|---------------------|------|
| 03       | 7         | Limit switch     | BZ-ZRS55-T4-J       | 1    |
| 04       | 10        | Cone disk spring | R-25                | —    |
| 06       | 42        | Servo motor      | SM80T-250E01        | 1    |
| 07       | 30        | Pressure spring  | 4044547A            | 1    |
| 09       | 18        | Tension spring   | 5155099.0           | 2    |
| 12       | 15        | Pressure spring  | 4091690             | 1    |
| 14       | 8, 15     | Cap screw        | M10 x 35            | 12   |
| 14       | 17        | Cap screw        | 560435B             | 6    |
| 15       | 6         | Limit switch     | SL1-H               | —    |
| 15       | 14        | Tension spring   | 4041232             | 1    |
| 15       | 32        | Pressure spring  | 4124529             | —    |
| 18       | 6         | O-ring           | 1AP18               | 1    |
| 18       | 8         | Pressure spring  | 50440153.1          | 1    |
| 18       | 36        | Limit switch     | LL15J               | 1    |
| 22       | 25        | Solenoid valve   | 7936057             | 1    |
| 22       | 70        | Pressure gauge   | 7936067             | 1    |

| Unit No.     | Index No. | Parts name          | Drawing No. or Type                  | Q'ty |
|--------------|-----------|---------------------|--------------------------------------|------|
| 23           | 37        | Servo motor         | U825T-062E02                         | 1    |
| 29, 30<br>31 | 13        | Magnet switch       | SW-2N AC100V<br>3 $\phi$ 230V 5.5 kW | 1    |
| 29, 30       | 30, 31    | Control relay       | MY4 AC100V                           | 1    |
| 33           | 9         | CPU board ass'y     | M6012A                               | 1    |
| 33           | 11        | Push switch         | MHM-1S-0-R-BS1                       | 1    |
| 33           | 12        | Push switch         | MHM-1S-0-G-BS1                       | 1    |
| 34           | 42        | Push switch         | MHM-1S-4-M-BS1                       | 1    |
| 35           | 24        | Fuse                | MF61NR-6A                            | 4    |
| 35           | 25        | Fuse                | MF61NR-0.5A                          | 8    |
| 35, 36       | 26, 39    | Fuse                | MF61NR-1.5A                          | 4    |
| 35           | 27        | Fuse                | MF61NR-2.5A                          | 2    |
| 35           | 28        | Fuse                | MF61NR-2A                            | 2    |
| 35           | 32        | Noise filter        | SSCD-3000                            | 1    |
| 35           | 34        | Noise filter        | SSKF-0500                            | 1    |
| 35           | 40        | Control relay       | MY2-1008C                            | 2    |
| 36           | 6         | NC3B PCB            | E000000024                           | 1    |
| 36           | 13        | Power PCB           | E020000011                           | 1    |
| 46           | 13        | Bulb for pilot lamp | LS-6 6.3V 1W                         | 2    |



**Amada Support, Rebuilds,  
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