

# CATERPILLAR POWER SYS

MEZ / SEBP7039

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| Basic engine               |      |

587-3685 HARNESS AS-ENGINE

587-3685 HARNESS AS-ENGINE S/N MEZ1-UP PART OF 497-8004 PANEL AS

Kit / parts list. The current source card does not provide a separate drawing.

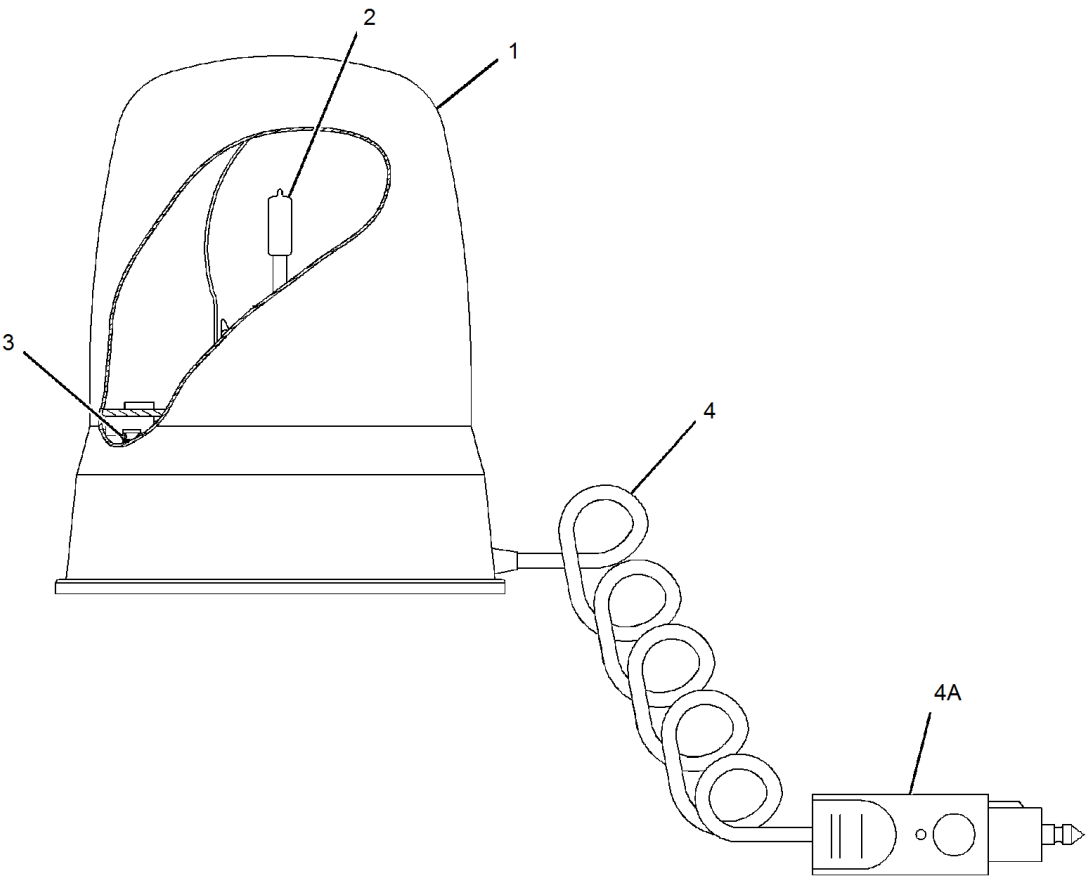
| Ref.                                                | Part number | Description                                  | Qty | Code | Group page |
|-----------------------------------------------------|-------------|----------------------------------------------|-----|------|------------|
|                                                     | 374-7466    | CAP-SEAL                                     | 3   |      |            |
|                                                     | 126-1774    | COVER-CONNECTOR                              | 1   |      |            |
|                                                     | 155-2274    | KIT-CONNECTING PLUG (6-PIN)                  | 3   |      |            |
| (EACH INCLUDES PLUG AS, WEDGE(S), & INTERFACE SEAL) |             |                                              |     |      |            |
|                                                     | 147-1445    | PLUG AS-CONNECTOR (70-PIN)                   | 1   |      |            |
|                                                     | 159-9322    | SEAL-O-RING                                  | 1   |      |            |
|                                                     | 8T-8737     | PLUG-SEAL                                    | 60  |      |            |
|                                                     | 9X-3402     | SOCKET-CONNECTOR (16-GA TO 18-GA)            | 26  |      |            |
|                                                     | 126-1768    | SOCKET-CONNECTOR (14-GA TO 16-GA)            | 2   |      |            |
|                                                     | 9X-6772     | STRAP-CABLE                                  | 2   |      |            |
|                                                     | 2L-8077     | TERMINAL-RING (14-GA TO 16-GA, 1/4-IN SCREW) | 1   |      |            |
|                                                     | 6V-2689     | TUBE-HEAT SHRINK (6.35-MM DIA)(1-M)          |     | D    |            |
|                                                     | 2L-8071     | TERMINAL-RING (10-GA TO 12-GA, 1/2-IN SCREW) | 2   |      |            |
| (EACH INCLUDES)                                     |             |                                              |     |      |            |
|                                                     | 125-7875    | TUBE-HEAT SHRINK (7.44-MM DIA)(4-CM)         |     | E    |            |
|                                                     | 2L-8075     | TERMINAL-RING (14-GA TO 16-GA, NO. 8 SCREW)  | 2   |      |            |
| (EACH INCLUDES)                                     |             |                                              |     |      |            |
|                                                     | 125-7874    | TUBE-HEAT SHRINK (5.72-MM DIA)(3-CM)         |     | E    |            |
|                                                     | 119-3662    | TUBE-HEAT SHRINK (10.85-MM DIA)(13-CM)       |     | E    |            |
|                                                     | 125-7874    | TUBE-HEAT SHRINK (5.72-MM DIA)(5-CM)         |     | E    |            |
|                                                     | 125-7875    | TUBE-HEAT SHRINK (7.44-MM DIA)(10-CM)        |     | E    |            |
|                                                     | 125-7876    | TUBE-HEAT SHRINK (17.78-MM DIA)(5-CM)        |     | E    |            |

CAT codes: D, E.

497-8001 ENCLOSURE GP

497-8001 ENCLOSURE GP S/N MEZ1-UP PART OF 497-8004 PANEL AS

Drawing 1 of 1



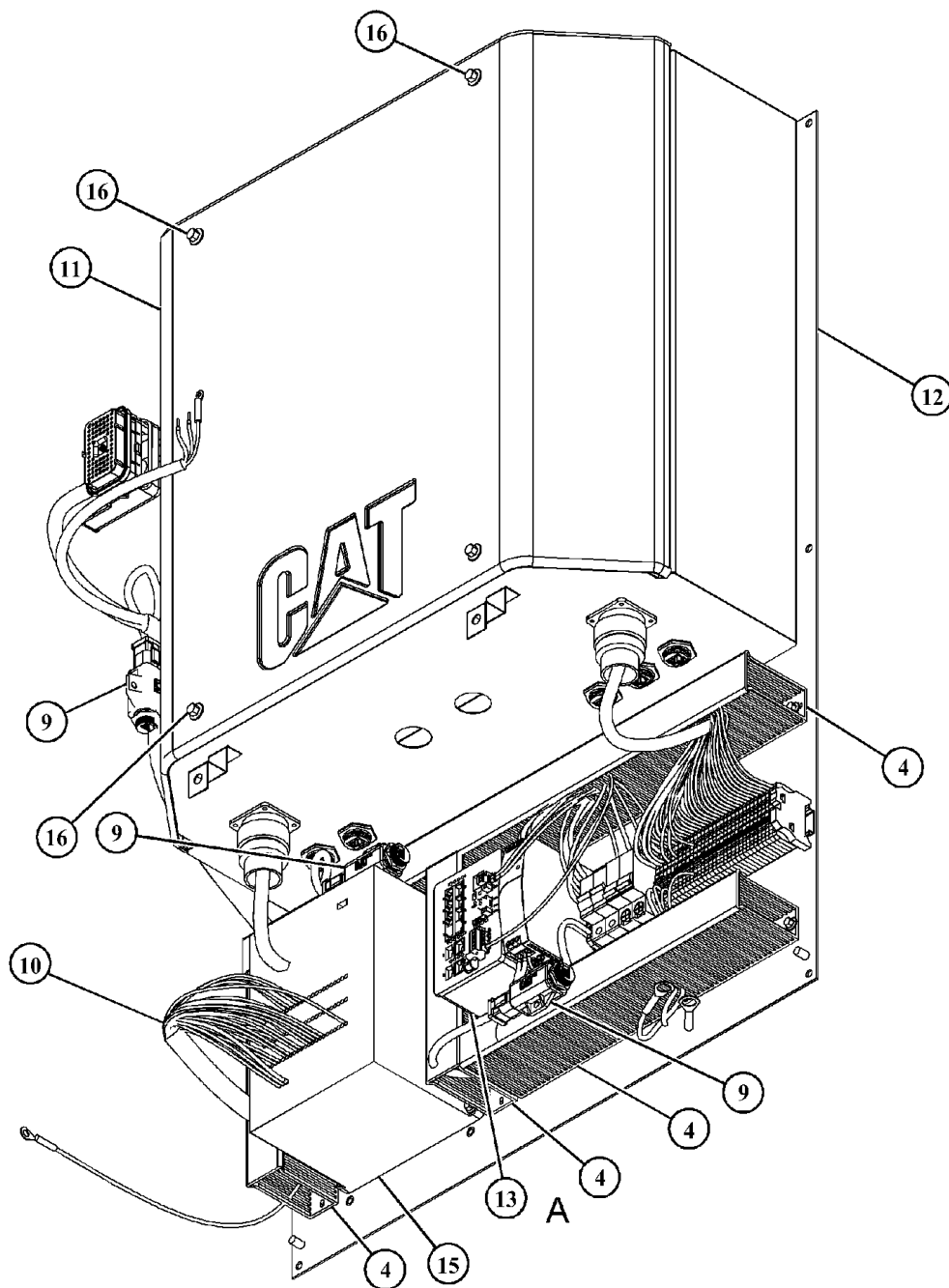
| Ref. | Part number | Description         | Qty | Code | Group | page |
|------|-------------|---------------------|-----|------|-------|------|
| 1    | 484-4636    | MODULE (ETHERNET)   | 1   |      |       |      |
| 2    | 484-4637    | MODULE (ETHERNET)   | 1   |      |       |      |
| 3    | 484-4639    | MODULE (DATA)       | 1   |      |       |      |
| 4    | 484-4640    | MODULE-INPUT        | 1   |      |       |      |
| 5    | 484-4641    | MODULE (CONTROLLER) | 1   |      |       |      |
| 6    | 484-4642    | MODULE-OUTPUT       | 1   |      |       |      |
| 7    | 484-4643    | MODULE-POWER        | 1   |      |       |      |
| 8    | 484-4645    | COVER               | 2   |      |       |      |
| 9    | 488-5830    | MODULE              | 1   |      |       |      |
| 10   | 510-6676    | MODULE              | 1   |      |       |      |

## 497-8004 PANEL AS

497-8004 PANEL AS S/N MEZ1-UP PART OF 497-8007 PANEL GP-MONITOR

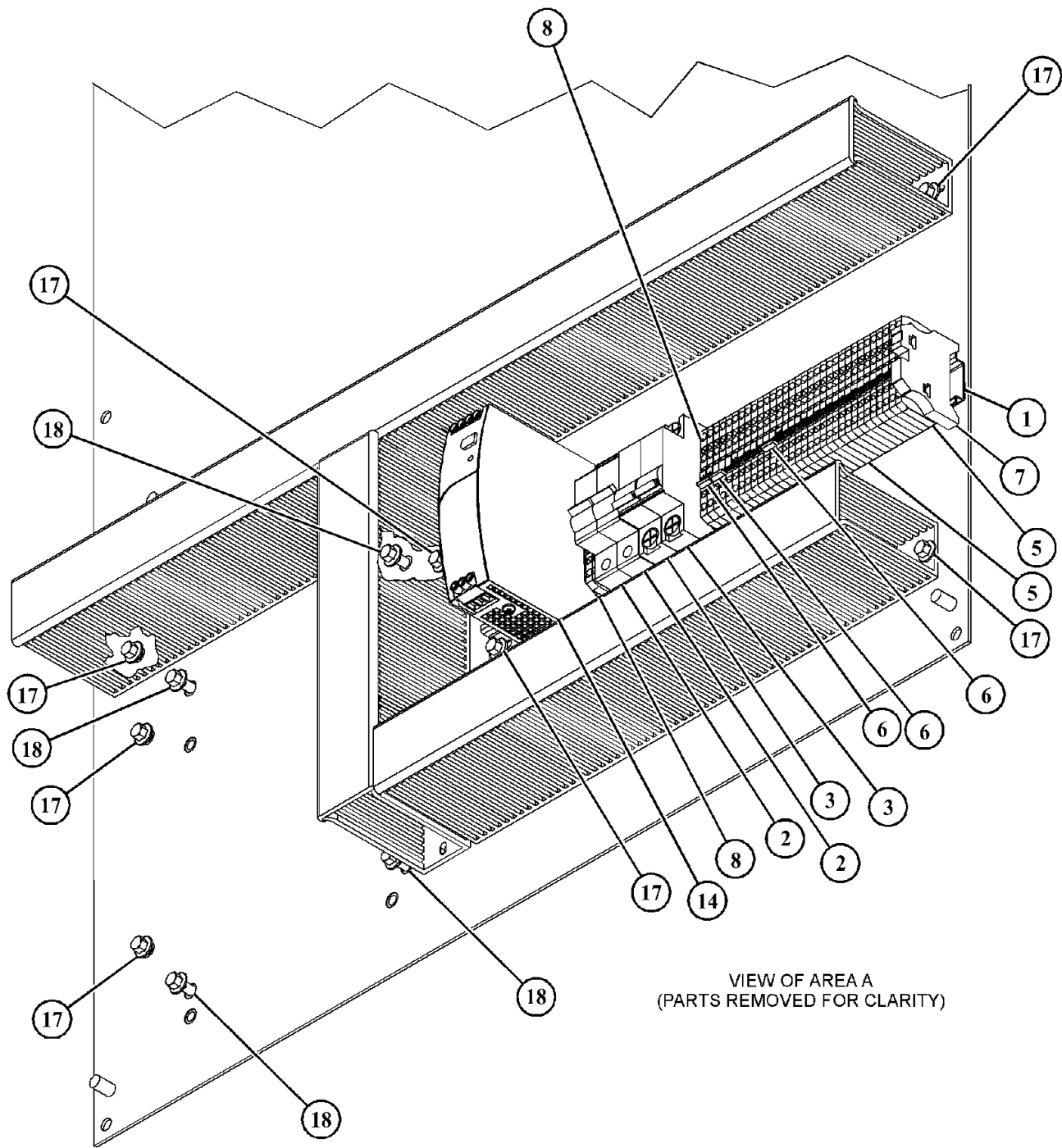
Drawing 1 of 2

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS



497-8004 PANEL AS (continued)

Drawing 2 of 2



| Ref. | Part number | Description                          | Qty | Code | Group page |
|------|-------------|--------------------------------------|-----|------|------------|
| 1    | 097-5921    | RAIL-MOUNTING                        | 1   |      |            |
| 2    | 125-9962    | CIRCUIT BREAKER AS (10-AMPERE)       | 2   |      |            |
| 3    | 138-4959    | CIRCUIT BREAKER AS (5-AMPERE)        | 2   |      |            |
| 4    | 166-6159    | DUCT-WIRE                            | 4   |      |            |
| 5    | 314-9083    | BLOCK-TERMINAL (600-VOLT, 25-AMPERE) | 36  |      |            |
| 6    | 314-9100    | BAR-FIXED BRIDGE                     | 3   |      |            |

497-8004 PANEL AS (continued)

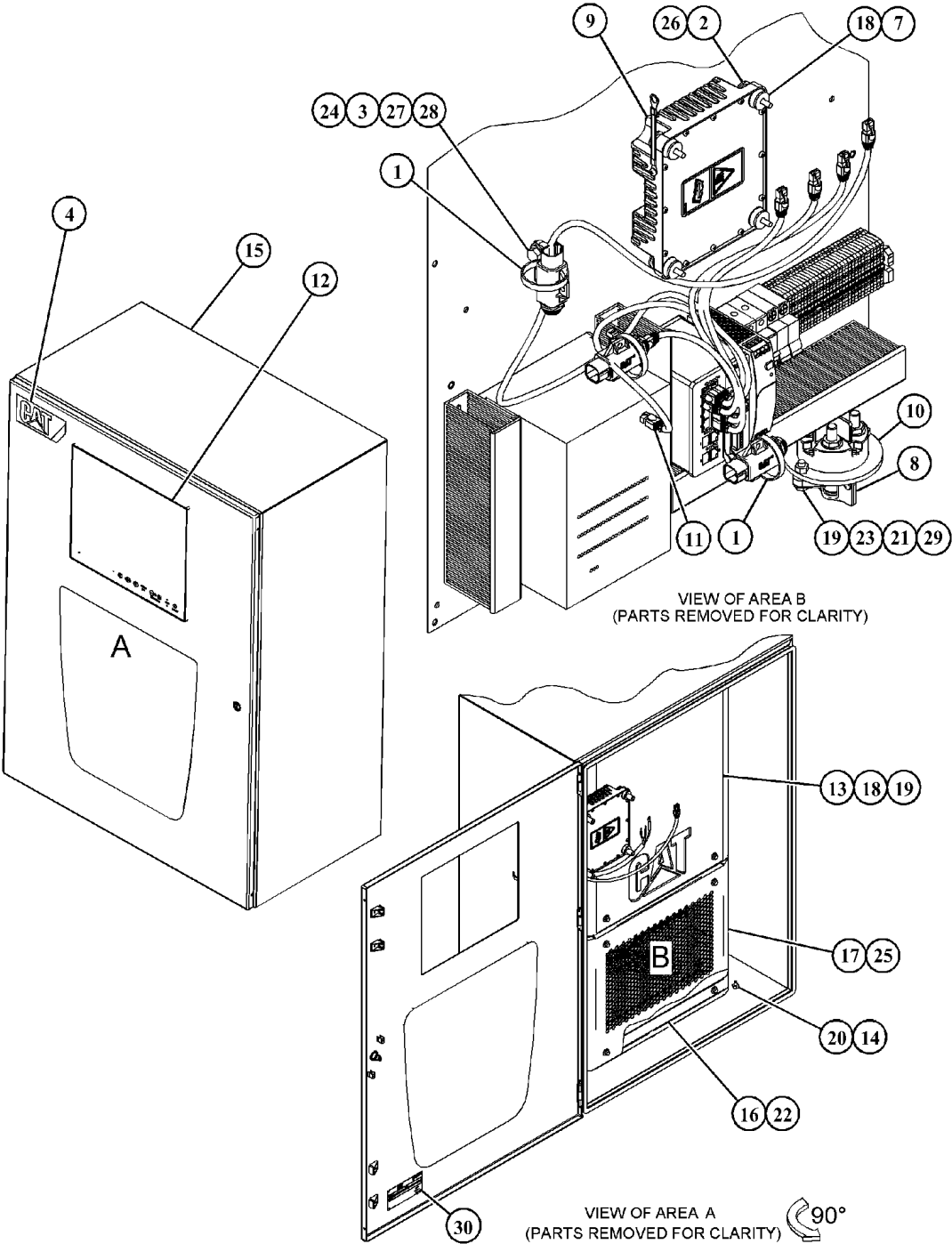
| Ref.            | Part number | Description                   | Qty | Code | Group page |
|-----------------|-------------|-------------------------------|-----|------|------------|
| 7               | 314-9101    | BRACKET-END                   | 1   |      |            |
| 8               | 325-1788    | COVER-TERMINAL                | 2   |      |            |
| 9               | 419-5974    | ADAPTER AS (AT04-6P TO RJ45)  | 3   |      |            |
| (EACH INCLUDES) |             |                               |     |      |            |
|                 | 432-2668    | NUT (13/16-28-THD)            | 1   |      |            |
| 10              | 587-3685    | HARNESS AS-ENGINE             | 1   | Y    |            |
| 11              | 497-8001    | ENCLOSURE GP                  | 1   | Y    |            |
| 12              | 497-8002    | PLATE AS                      | 1   |      |            |
|                 | 6V-9632     | NUT-WELD (M6X1-THD)           | 21  | M    |            |
| 13              | 510-6677    | ELECTRONICS GP-COMMUNICATION  | 1   |      |            |
| 14              | 513-1128    | CONTROLLER                    | 1   |      |            |
| 15              | 513-1129    | MODULE-INTERFACE              | 1   |      |            |
| 16              | 6I-3812     | BOLT (M8X1.25X16-MM)          | 4   | M    |            |
| 17              | 208-9274    | BOLT (M6X1X12-MM)             | 13  | M    |            |
| 18              | 208-9277    | BOLT-FLANGE HEAD (M6X1X20-MM) | 4   | M    |            |

CAT codes: M, Y.

497-8007 PANEL GP-MONITOR

497-8007 PANEL GP-MONITOR S/N MEZ1-UP Type 1

Drawing 1 of 1



| Ref. | Part number | Description                | Qty | Code | Group page |
|------|-------------|----------------------------|-----|------|------------|
| 1    | 7K-1181     | STRAP-CABLE                | 3   |      |            |
| 2    | 8C-5607     | MOUNT-ISOLATION            | 8   |      |            |
| 3    | 204-8000    | MOUNTING-CABLE TIE         | 1   |      |            |
| 4    | 303-3435    | FILM-IDENTIFICATION (CAT)  | 1   |      |            |
| 7    | 9X-6165     | WASHER (6.5X22X2.5-MM THK) | 8   |      |            |

497-8007 PANEL GP-MONITOR (continued)

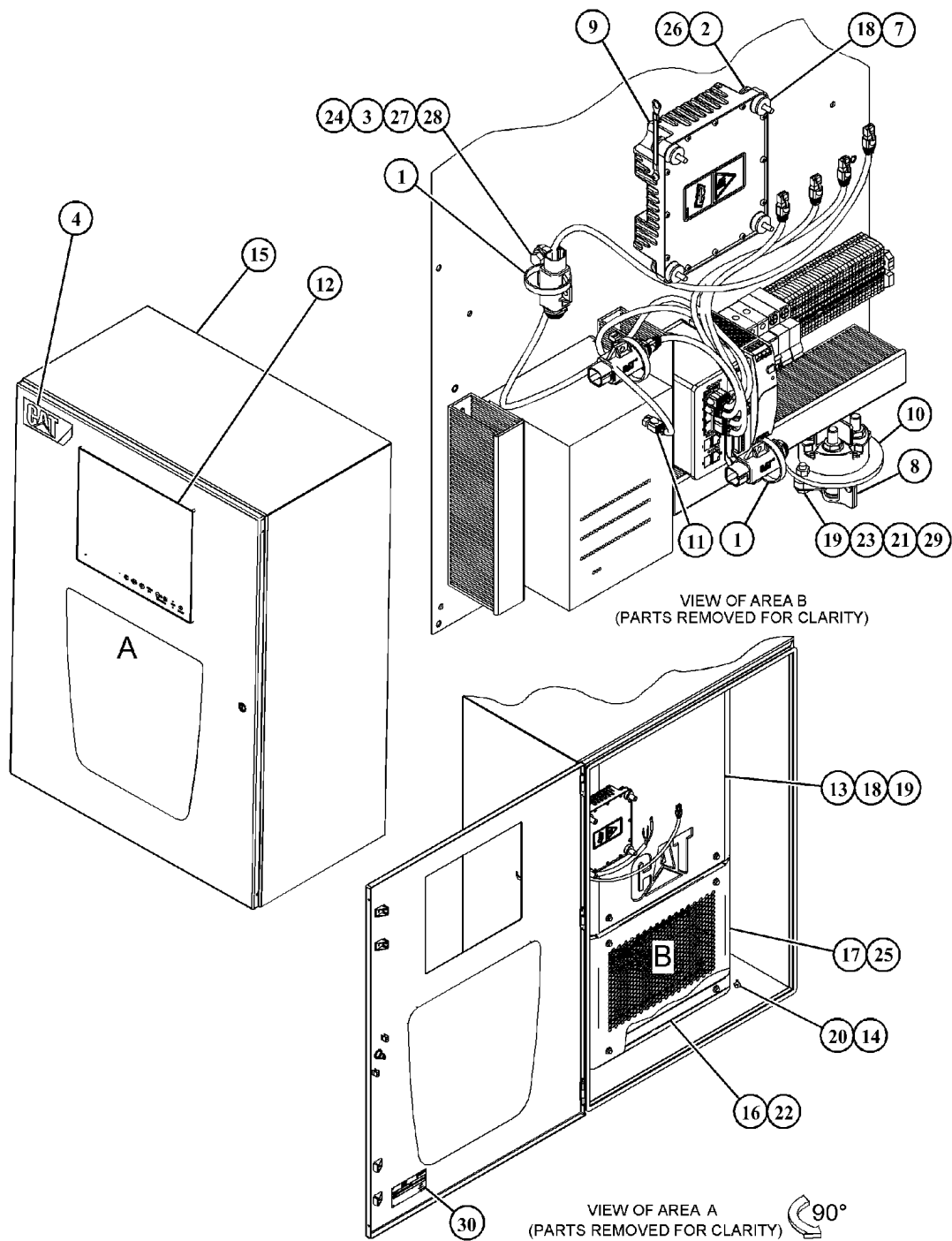
| Ref. | Part number | Description                                       | Qty | Code | Group page |
|------|-------------|---------------------------------------------------|-----|------|------------|
| 8    | 430-5165    | SWITCH AS-DISCONNECT (MASTER)                     | 1   |      |            |
|      | 6V-8149     | NUT (M12X1.75-THD)                                | 4   | M    |            |
|      | 8J-8659     | WASHER (0.75X1.19X0.125-MM THK)                   | 4   |      |            |
| 9    | 459-0786    | CONTROL GP-COMMUNICATION (PLE601 NETWORK MANAGER) | 1   |      |            |
| 10   | 467-4212    | PLATE                                             | 1   |      |            |
| 11   | 469-9160    | CABLE (ETHERNET)                                  | 1   |      |            |
| 12   | 497-8003    | MONITOR-DISPLAY                                   | 1   |      |            |
| 13   | 497-8004    | PANEL AS                                          | 1   | Y    |            |
| 14   | 497-8005    | PLATE                                             | 1   |      |            |
| 15   | 497-8006    | BOX AS                                            | 1   |      |            |
| 16   | 510-6674    | BRACKET                                           | 1   |      |            |
| 17   | 510-6675    | COVER                                             | 1   |      |            |
| 18   | 9X-2480     | BOLT (M6X1X45-MM)                                 | 4   | M    |            |
| 19   | 108-1780    | BOLT-SOCKET HEAD (M6X1X45-MM)                     | 2   | M    |            |
| 20   | 191-8921    | BOLT-SOCKET HEAD (M6X1X25-MM)                     | 6   | M    |            |
| 21   | 175-7897    | SEAL-O-RING                                       | 1   |      |            |
| 22   | 178-3336    | NUT-HEX FLANGE (M8X1.25-THD)                      | 6   | M    |            |
| 23   | 5C-2890     | NUT (M6X1-THD)                                    | 2   | M    |            |
| 24   | 344-5675    | NUT (M10X1.5-THD)                                 | 1   | M    |            |
| 25   | 6I-3812     | BOLT (M8X1.25X16-MM)                              | 4   | M    |            |
| 26   | 8C-5608     | SPACER (6.5X9.5X25.4-MM THK)                      | 4   |      |            |
| 27   | 8T-4121     | WASHER-HARD (11X21X2.5-MM THK)                    | 2   |      |            |
| 28   | 8T-4195     | BOLT (M10X1.5X30-MM)                              | 1   | M    |            |
| 29   | 9X-8256     | WASHER (6.6X12X2-MM THK)                          | 8   |      |            |
| 30   | 380-0053    | PLATE-SERIAL NUMBER (MACHINE)                     | 1   |      |            |

CAT codes: M, R, Y.

497-8007 PANEL GP-MONITOR

497-8007 PANEL GP-MONITOR S/N MEZ1-UP Type 2

Drawing 1 of 1



| Ref. | Part number | Description                | Qty | Code | Group page |
|------|-------------|----------------------------|-----|------|------------|
| 1    | 7K-1181     | STRAP-CABLE                | 3   |      |            |
| 2    | 8C-5607     | MOUNT-ISOLATION            | 8   |      |            |
| 3    | 204-8000    | MOUNTING-CABLE TIE         | 1   |      |            |
| 4    | 303-3435    | FILM-IDENTIFICATION (CAT)  | 1   |      |            |
| 7    | 9X-6165     | WASHER (6.5X22X2.5-MM THK) | 8   |      |            |

497-8007 PANEL GP-MONITOR (continued)

| Ref. | Part number | Description                                       | Qty | Code | Group page |
|------|-------------|---------------------------------------------------|-----|------|------------|
| 8    | 430-5165    | SWITCH AS-DISCONNECT (MASTER)                     | 1   |      |            |
|      | 6V-8149     | NUT (M12X1.75-THD)                                | 4   | M    |            |
|      | 8J-8659     | WASHER (0.75X1.19X0.125-MM THK)                   | 4   |      |            |
| 9    | 459-0786    | CONTROL GP-COMMUNICATION (PLE601 NETWORK MANAGER) | 1   |      |            |
| 10   | 467-4212    | PLATE                                             | 1   |      |            |
| 11   | 469-9160    | CABLE (ETHERNET)                                  | 1   |      |            |
| 12   | 497-8003    | MONITOR-DISPLAY                                   | 1   |      |            |
| 13   | 497-8004    | PANEL AS                                          | 1   | Y    |            |
| 14   | 497-8005    | PLATE                                             | 1   |      |            |
| 15   | 497-8006    | BOX AS                                            | 1   |      |            |
| 16   | 510-6674    | BRACKET                                           | 1   |      |            |
| 17   | 510-6675    | COVER                                             | 1   |      |            |
| 18   | 9X-2480     | BOLT (M6X1X45-MM)                                 | 4   | M    |            |
| 19   | 108-1780    | BOLT-SOCKET HEAD (M6X1X45-MM)                     | 2   | CM   |            |
| 20   | 191-8921    | BOLT-SOCKET HEAD (M6X1X25-MM)                     | 6   | CM   |            |
| 21   | 175-7897    | SEAL-O-RING                                       | 1   |      |            |
| 22   | 178-3336    | NUT-HEX FLANGE (M8X1.25-THD)                      | 6   | M    |            |
| 23   | 5C-2890     | NUT (M6X1-THD)                                    | 2   | M    |            |
| 24   | 344-5675    | NUT (M10X1.5-THD)                                 | 1   | M    |            |
| 25   | 6I-3812     | BOLT (M8X1.25X16-MM)                              | 4   | M    |            |
| 26   | 8C-5608     | SPACER (6.5X9.5X25.4-MM THK)                      | 4   |      |            |
| 27   | 8T-4121     | WASHER-HARD (11X21X2.5-MM THK)                    | 2   |      |            |
| 28   | 8T-4195     | BOLT (M10X1.5X30-MM)                              | 1   | M    |            |
| 29   | 9X-8256     | WASHER (6.6X12X2-MM THK)                          | 8   | C    |            |
| 30   | 380-0053    | PLATE-SERIAL NUMBER (MACHINE)                     | 1   |      |            |

CAT codes: C, M, R, Y.

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