

# CATERPILLAR HF222

CFR / SEBP4118

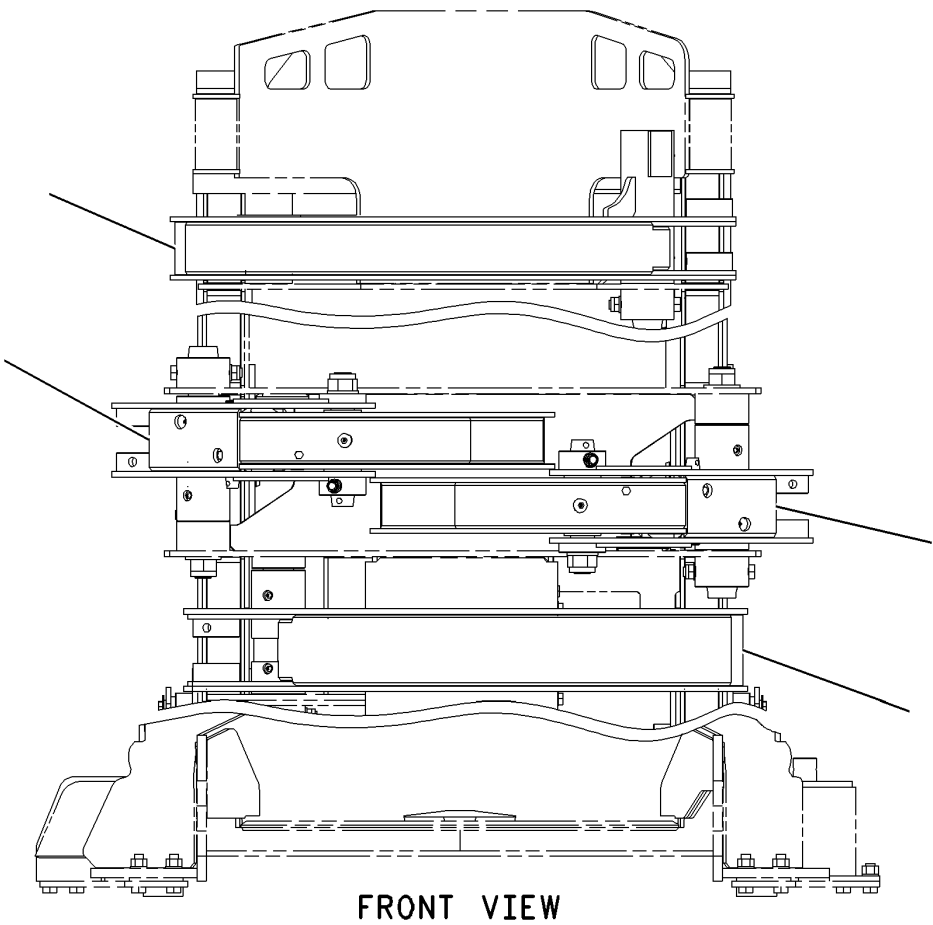
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| Lubrication system           |      |
| Hydraulic system             |      |
| Basic engine                 |      |

198-7010 ARM AR-GRAPPLE

198-7010 ARM AR-GRAPPLE PART OF 197-4793 HEAD AR-FELLING ALSO AN ATTACHMENT

Drawing 1 of 1



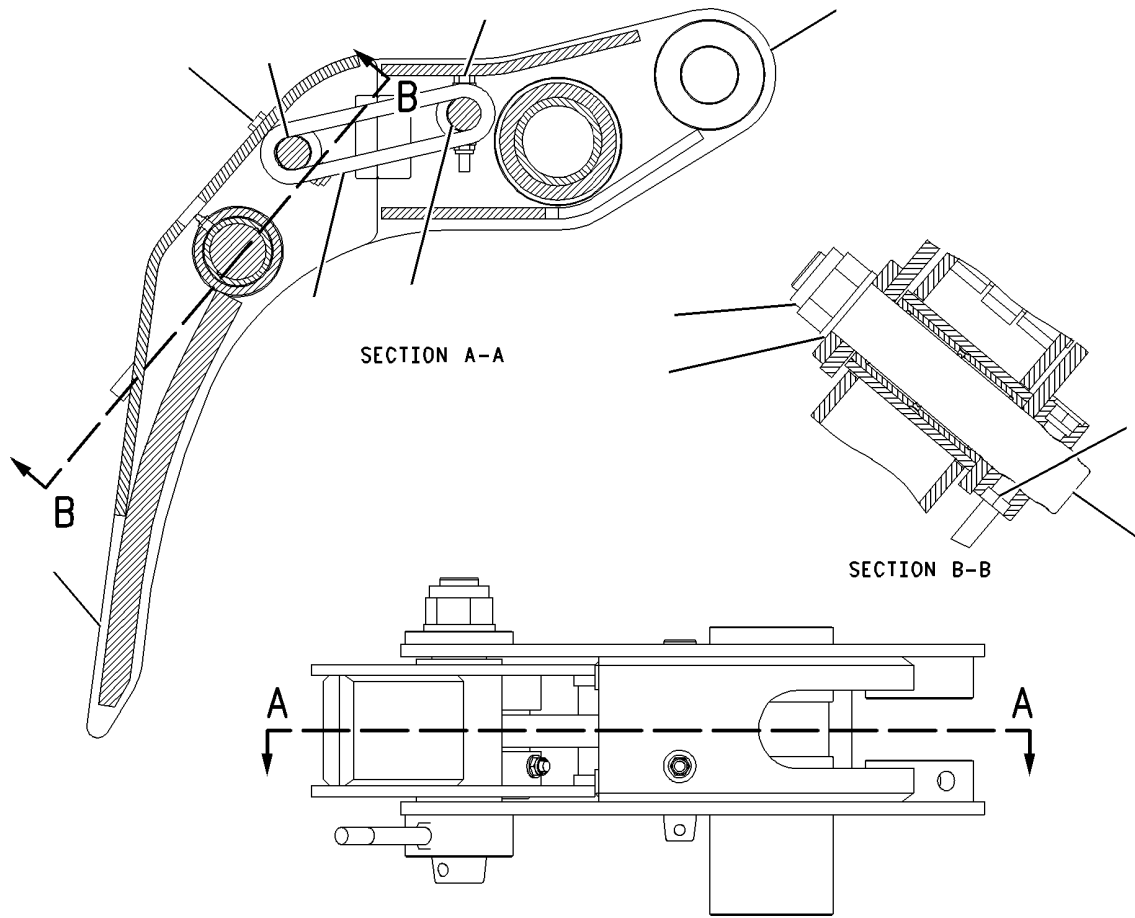
| Ref. | Part number | Description                         | Qty | Code | Group page |
|------|-------------|-------------------------------------|-----|------|------------|
| 1    | 227-4669    | ARM GP-GRAPPLE                      | 1   | CY   |            |
| 2    | 191-2469    | ARM GP-ACCUMULATOR (COLLECTOR ARMS) | 2   | Y    |            |
| 3    | 195-3954    | ARM GP-GRAPPLE                      | 1   | Y    |            |

CAT codes: C, Y.

191-2469 ARM GP-ACCUMULATOR -COLLECTOR ARMS

191-2469 ARM GP-ACCUMULATOR -COLLECTOR ARMS PART OF 198-7010 ARM AR-GRAPPLE ALSO AN ATTACHMENT

Drawing 1 of 1



| Ref. | Part number | Description                    | Qty | Code | Group page |
|------|-------------|--------------------------------|-----|------|------------|
| 1    | 179-3512    | PIN                            | 1   |      |            |
| 2    | 179-3513    | PIN                            | 1   |      |            |
| 3    | 179-3514    | PIN                            | 1   |      |            |
| 4    | 179-3516    | BAND-RUBBER                    | 1   |      |            |
| 5    | 191-2470    | ARM & BEARING AS-LIFT (OUTER)  | 1   |      |            |
|      | 3B-8489     | FITTING-GREASE (1/8-27 PTF)    | 1   |      |            |
|      | 179-3511    | BUSHING                        | 1   |      |            |
| 6    | 191-2475    | ARM & BEARING AS-LIFT (INNER)  | 1   |      |            |
|      | 3B-8489     | FITTING-GREASE (1/8-27 PTF)    | 2   |      |            |
|      | 178-4712    | BUSHING                        | 2   |      |            |
| 7    | 096-4883    | LOCKNUT (M10X1.5-THD)          | 2   | M    |            |
| 8    | 096-4885    | LOCKNUT (M16X2-THD)            | 1   | M    |            |
| 9    | 8T-3018     | LOCKNUT (M36X4-THD)            | 1   | M    |            |
| 10   | 8T-4121     | WASHER-HARD (11X21X2.5-MM THK) | 3   |      |            |
| 11   | 8T-4172     | BOLT (M10X1.5X80-MM)           | 2   | M    |            |

191-2469 ARM GP-ACCUMULATOR -COLLECTOR ARMS (continued)

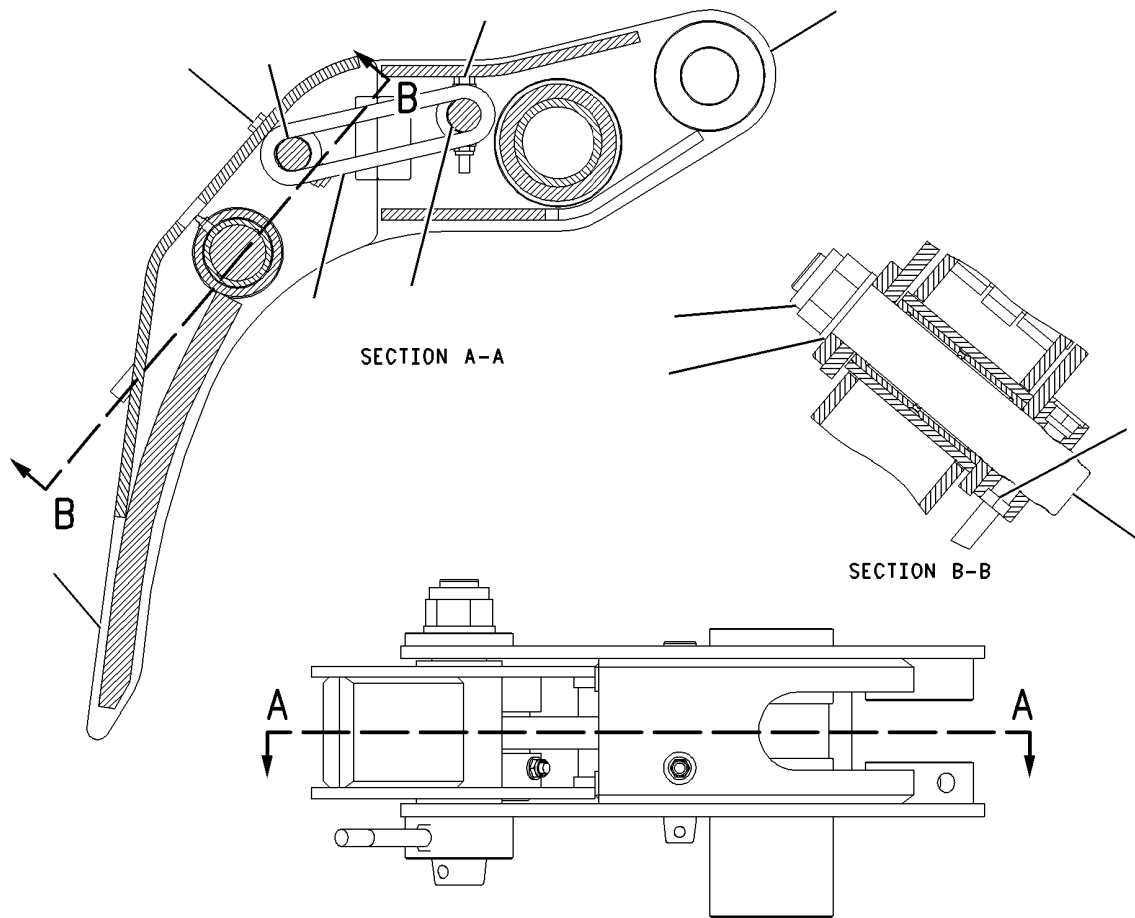
| Ref. | Part number | Description                 | Qty | Code | Group page |
|------|-------------|-----------------------------|-----|------|------------|
| 12   | 8T-4174     | BOLT (M16X2X120-MM)         | 1   | M    |            |
| 13   | 9X-8257     | WASHER (17.5X30X3.5-MM THK) | 1   |      |            |
| 14   | 9X-8259     | WASHER (39X66X6-MM THK)     | 1   |      |            |

CAT codes: M.

191-2469 ARM GP-ACCUMULATOR -COLLECTOR ARMS

191-2469 ARM GP-ACCUMULATOR -COLLECTOR ARMS S/N CFR349-UP PART OF 198-7010 ARM AR-GRAPPLE ALSO AN ATTACHMENT

Drawing 1 of 1



| Ref. | Part number | Description                    | Qty | Code | Group page |
|------|-------------|--------------------------------|-----|------|------------|
| 1    | 179-3512    | PIN                            | 1   |      |            |
| 2    | 179-3513    | PIN                            | 1   |      |            |
| 3    | 179-3514    | PIN                            | 1   |      |            |
| 4    | 273-3141    | BAND-RUBBER                    | 1   |      |            |
| 5    | 215-7699    | ARM & BEARING AS-LIFT (OUTER)  | 1   | C    |            |
|      | 3B-8489     | FITTING-GREASE (1/8-27 PTF)    | 1   |      |            |
|      | 179-3511    | BUSHING                        | 1   |      |            |
| 6    | 215-7698    | ARM & BEARING AS-LIFT (INNER)  | 1   | C    |            |
|      | 3B-8489     | FITTING-GREASE (1/8-27 PTF)    | 2   |      |            |
|      | 178-4712    | BUSHING                        | 2   |      |            |
| 7    | 096-4883    | LOCKNUT (M10X1.5-THD)          | 2   | M    |            |
| 8    | 096-4885    | LOCKNUT (M16X2-THD)            | 1   | M    |            |
| 9    | 8T-3018     | LOCKNUT (M36X4-THD)            | 1   | M    |            |
| 10   | 8T-4121     | WASHER-HARD (11X21X2.5-MM THK) | 3   |      |            |

191-2469 ARM GP-ACCUMULATOR -COLLECTOR ARMS (continued)

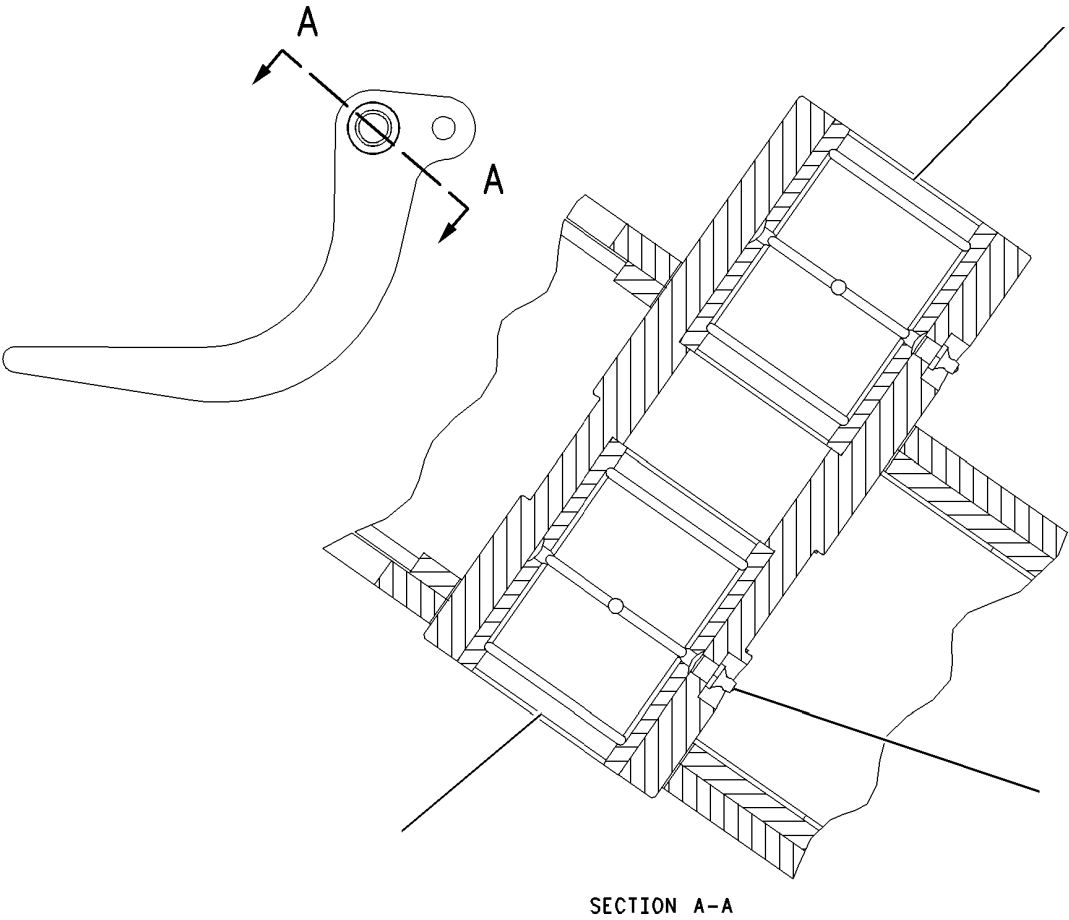
| Ref. | Part number | Description                 | Qty | Code | Group page |
|------|-------------|-----------------------------|-----|------|------------|
| 11   | 8T-4172     | BOLT (M10X1.5X80-MM)        | 2   | M    |            |
| 12   | 8T-4174     | BOLT (M16X2X120-MM)         | 1   | M    |            |
| 13   | 9X-8257     | WASHER (17.5X30X3.5-MM THK) | 1   |      |            |
| 14   | 9X-8259     | WASHER (39X66X6-MM THK)     | 1   |      |            |

CAT codes: C, M.

195-3954 ARM GP-GRAPPLE

195-3954 ARM GP-GRAPPLE PART OF 198-7010 ARM AR-GRAPPLE ALSO AN ATTACHMENT

Drawing 1 of 1

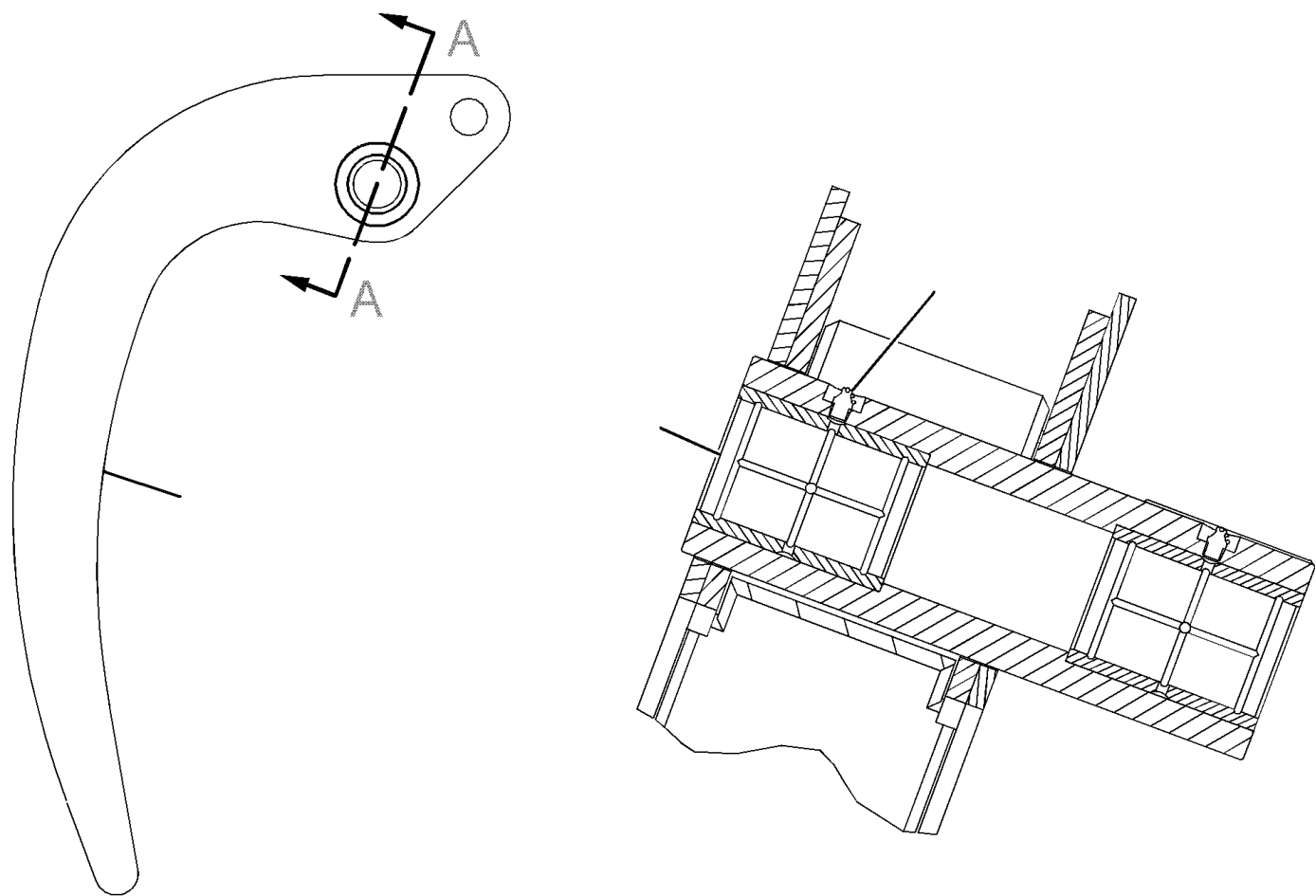


| Ref. | Part number | Description                 | Qty | Code | Group page |
|------|-------------|-----------------------------|-----|------|------------|
| 1    | 3B-8489     | FITTING-GREASE (1/8-27 PTF) | 2   |      |            |
| 2    | 178-4712    | BUSHING                     | 2   |      |            |

227-4669 ARM GP-GRAPPLE

227-4669 ARM GP-GRAPPLE PART OF 198-7010 ARM AR-GRAPPLE ALSO AN ATTACHMENT

Drawing 1 of 1

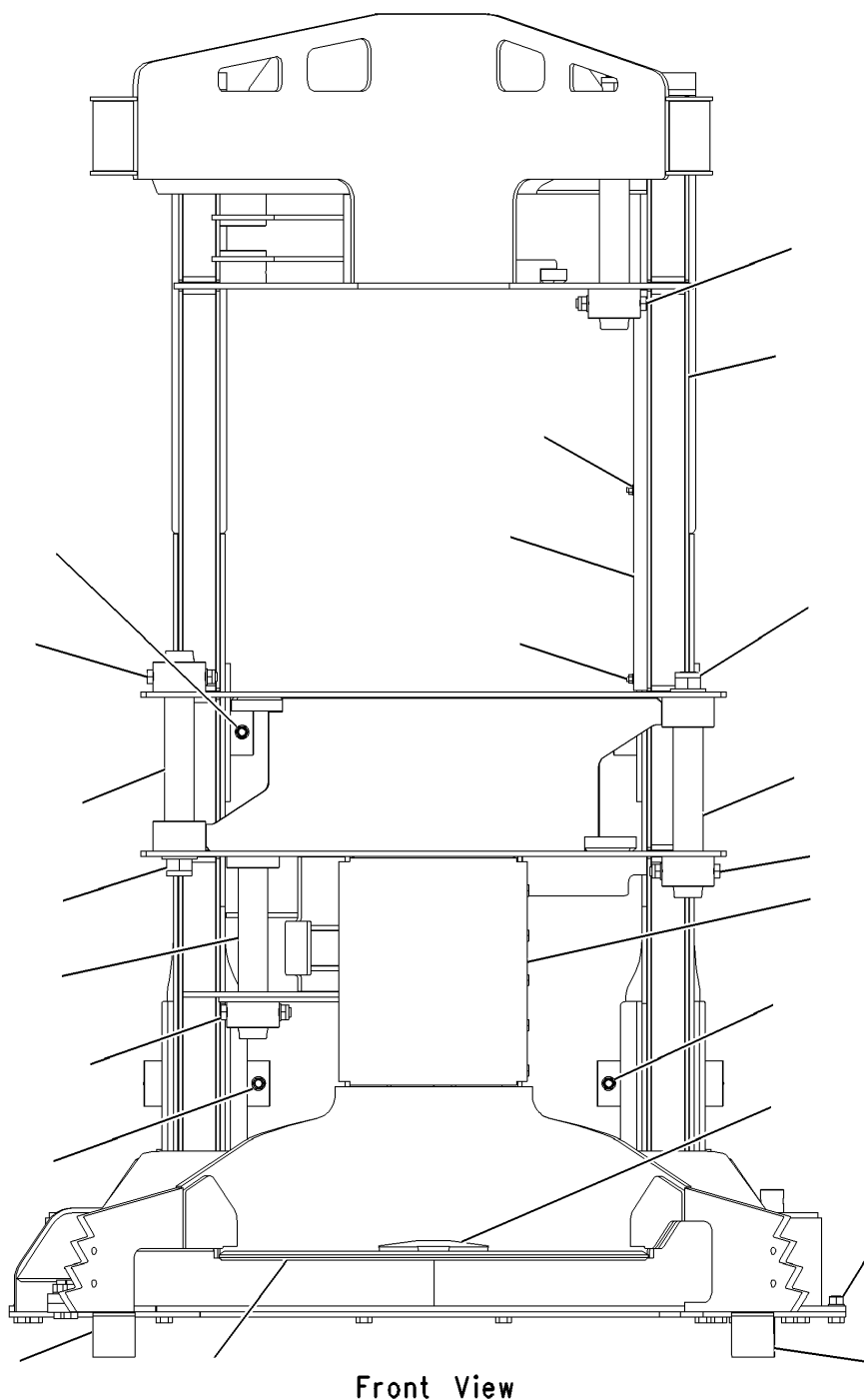


| Ref. | Part number | Description                 | Qty | Code | Group page |
|------|-------------|-----------------------------|-----|------|------------|
| 1    | 3B-8489     | FITTING-GREASE (1/8-27 PTF) | 2   |      |            |
| 2    | 178-4712    | BUSHING                     | 2   |      |            |
| 3    | 227-4670    | ARM AS-GRAPPLE              | 1   |      |            |

## 196-2266 FRAME GP-FELLING HEAD

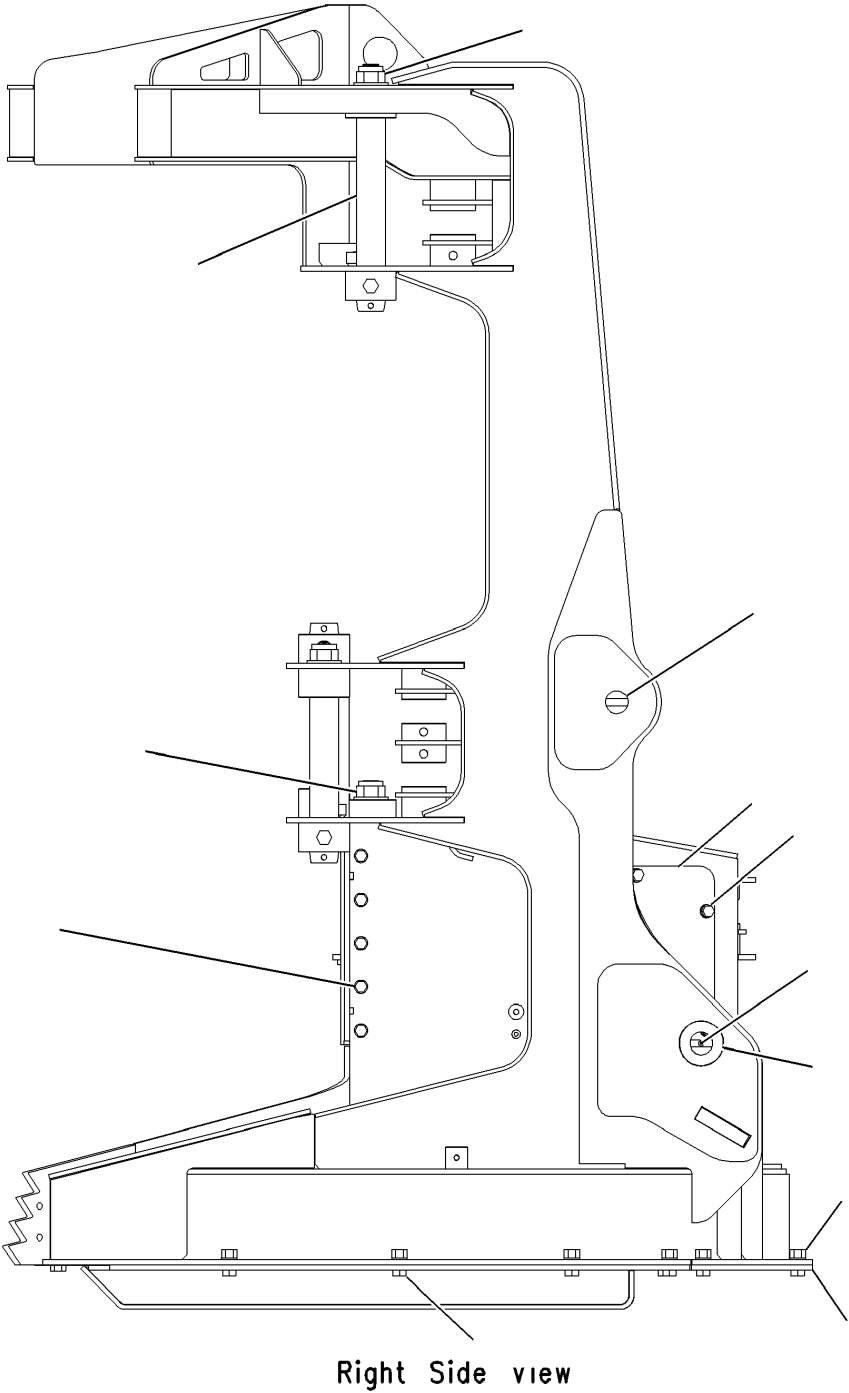
196-2266 FRAME GP-FELLING HEAD FOR MOUNTING HYDRAULIC DISC FELLING HEAD ONTO A 611 EXCAVATOR AN ATTACHMENT

Drawing 1 of 2



196-2266 FRAME GP-FELLING HEAD (continued)

Drawing 2 of 2



| Ref. | Part number | Description | Qty | Code | Group page |
|------|-------------|-------------|-----|------|------------|
| 1    | 177-7454    | PLATE       | 1   |      |            |
| 2    | 177-7459    | SKI AS (RH) | 1   |      |            |
| 3    | 179-4820    | PIN         | 1   |      |            |
| 4    | 179-4821    | PIN         | 3   |      |            |
| 5    | 179-4826    | COVER AS    | 1   |      |            |
| 6    | 196-1386    | FRAME AS    | 1   |      |            |

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