

# CATERPILLAR 6S

21H / XMBP9845

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## 5A-8219 Straight Bulldozer Arrangement

5A8219 Straight Bulldozer Arrangement FOR D6-LGP TRACTOR SERIAL NO. 90B1-UP Effective with 6S-LGP Bulldozer Serial No. 21H1-600, 602-606, 608-643, 645-649, 651, 653, 655- 657, 659-695, 697, 699, 701, 703, 704, 706-709, 766-780

Arrangement composition. Follow the table links to the component drawings.

| Ref.                                    | Part number             | Description                          | Qty | Code | Group page          |
|-----------------------------------------|-------------------------|--------------------------------------|-----|------|---------------------|
|                                         | 5A-8220                 | Straight Bulldozer Arrangement-Basic | 1   | Y    |                     |
|                                         | <a href="#">5A-8221</a> | Blade Group                          | 1   |      | <a href="#">4</a>   |
|                                         | <a href="#">5A-9099</a> | Push Arm and Brace Group             | 1   | Y    | <a href="#">10,</a> |
|                                         | 5A-8064                 | Bulldozer Trunnion Group             | 1   | Y    |                     |
| (Parts of 5A8220 Bulldozer Arrangement) |                         |                                      |     |      |                     |
|                                         | 5A-7821                 | Bulldozer Lines Group                | 1   | Y    |                     |
|                                         | 5J-9210                 | Cylinder Bracket Group               | 1   | Y    |                     |
|                                         | 5A-7941                 | Bulldozer Cylinder Group             | 2   | Y    |                     |
|                                         | 6J-1223                 | Hydraulic Tilt Cylinder Group        | 1   | Y    |                     |

CAT codes: Y.

8J-3467 Straight Bulldozer Arrangement

8J3467 Straight Bulldozer Arrangement FOR D6 LGP TRACTOR SERIAL NO. 90B1-UP, 49W1-UP and 69U1-UP Effective with 6S-LGP Bulldozer Serial No. 21H601, 21H607, 21H644, 21H650, 21H652, 21H654, 21H658, 21H696, 21H698, 21H700, 21H702, 21H705, 21H710-21H765, 21H781-21H3141

Arrangement composition. Follow the table links to the component drawings.

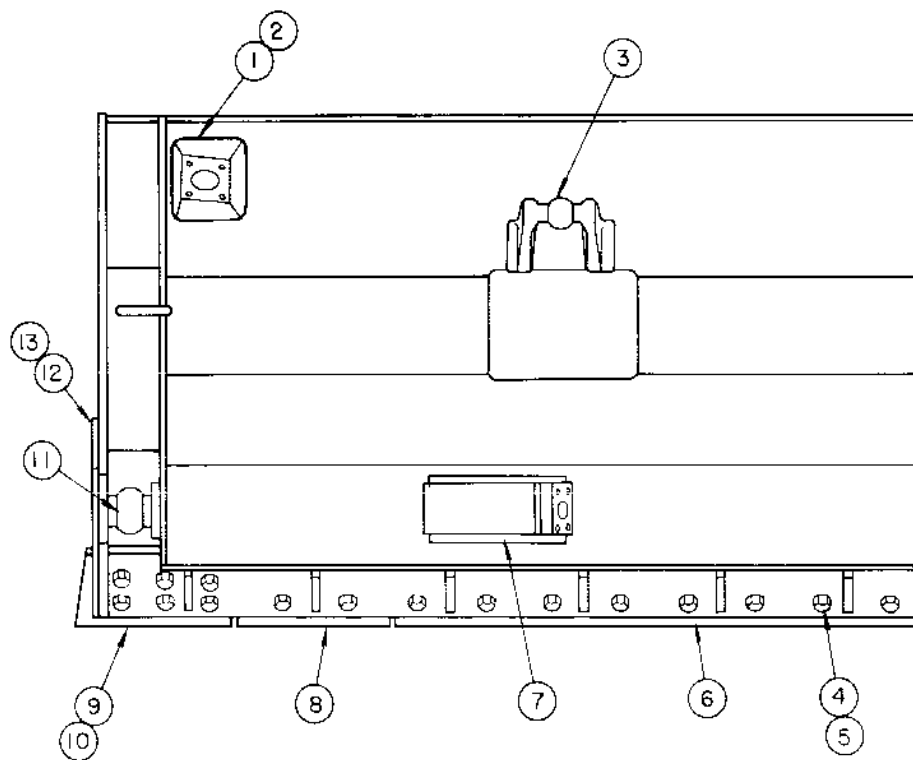
| Ref.                                         | Part number             | Description                          | Qty | Code | Group page        |
|----------------------------------------------|-------------------------|--------------------------------------|-----|------|-------------------|
|                                              | 5J-5769                 | Straight Bulldozer Arrangement-Basic | 1   | Y    |                   |
|                                              | <a href="#">5A-7952</a> | Blade Group                          | 1   |      | <a href="#">6</a> |
|                                              | 5A-9099                 | Push Arm and Brace Group             | 1   | Y    |                   |
|                                              | 5A-8064                 | Bulldozer Trunnion Group             | 1   | Y    |                   |
| (Parts of 5J5769 Bulldozer Arrangement)      |                         |                                      |     |      |                   |
|                                              | 2P-6058                 | Bulldozer Lines Group                | 1   | Y    |                   |
|                                              | 5J-9210                 | Cylinder Bracket Group               | 1   | Y    | ,                 |
|                                              | 8J-6868                 | Bulldozer Cylinder Group             | 2   | Y    |                   |
|                                              | 8J-4284                 | Tilt Cylinder Arrangement            | 1   |      |                   |
|                                              | 6J-1223                 | Hydraulic Cylinder Group             | 1   | Y    |                   |
| OR alternate consist option CAT source: -OR- |                         |                                      |     |      |                   |
|                                              | 2J-1402                 | Hydraulic Tilt Cylinder Group        | 1   | Y    |                   |
|                                              | 2P-6279                 | Tilt Cylinder Lines Group            | 1   | Y    |                   |

CAT codes: Y.

## 5A-8221 BLADE GROUP

5A8221 BLADE GROUP No. 6S Bulldozer Serial No. 21H1-21H600, 602-606, 608-643, 645-649, 651, 653, 655-657, 659-695, 697, 699, 701, 703, 704, 706-709, 766-21H780 Part of 5A8219 6S-LGP Bulldozer Arrangement listed on Page 8

Drawing 1 of 1



| REF NO | PART NUMBER | DESCRIPTION    | QTY |
|--------|-------------|----------------|-----|
| 1      | 4J3471      | BRACKET(R.H.)  | 1   |
| 2      | 4J3472      | BRACKET(L.H.)  | 1   |
| 3      | 6J8183      | TRUNNION       | 2   |
| 4      | 4F7827      | BOLT           | 31  |
| 5      | 2J3506      | NUT            | 31  |
| 6      | 3Y35        | EDGE (Center)  | 1   |
| 7      | 5A7945      | SOCKET         | 2   |
| 8      | 3Y36        | EDGE (End)     | 2   |
| 9      | 3Y17        | END BIT (R.H.) | 1   |
| 10     | 3Y18        | END BIT (L.H.) | 1   |
| 11     | 6J774       | TRUNNION       | 2   |
| 12     | 3Y23        | SHOE (R.H.)    | 1   |
| 13     | 3Y24        | SHOE (L.H.)    | 1   |
| 14     | 5A4216      | NUMBER PLATE   | 1   |
|        | 4B4158      | DRIVE SCREW    | 2   |
|        |             | (Not Shown)    |     |

▲ Not Part of 5A8221 Blade Group

J5749E

| Ref. | Part number | Description    | Qty | Code | Group page |
|------|-------------|----------------|-----|------|------------|
| 1    | 4J-3471     | BRACKET (R.H.) | 1   |      |            |
| 2    | 4J-3472     | BRACKET (L.H.) | 1   |      |            |
| 3    | 6J-8183     | TRUNNION       | 2   |      |            |
| 4    | 4F-7827     | BOLT           | 31  |      |            |
| 5    | 2J-3506     | NUT            | 31  |      |            |
| 6    | 3Y-0035     | EDGE (Center)  | 1   |      |            |
| 7    | 5A-7945     | SOCKET         | 2   |      |            |
| 8    | 3Y-0036     | EDGE (End)     | 2   |      |            |
| 9    | 3Y-0017     | END BIT (R.H.) | 1   |      |            |
| 10   | 3Y-0018     | END BIT (L.H.) | 1   |      |            |
| 11   | 6J-0774     | TRUNNION       | 2   |      |            |
| 12   | 3Y-0023     | SHOE (R.H.)    | 1   |      |            |
| 13   | 3Y-0024     | SHOE (L.H.)    | 1   |      |            |

5A-8221 BLADE GROUP (continued)

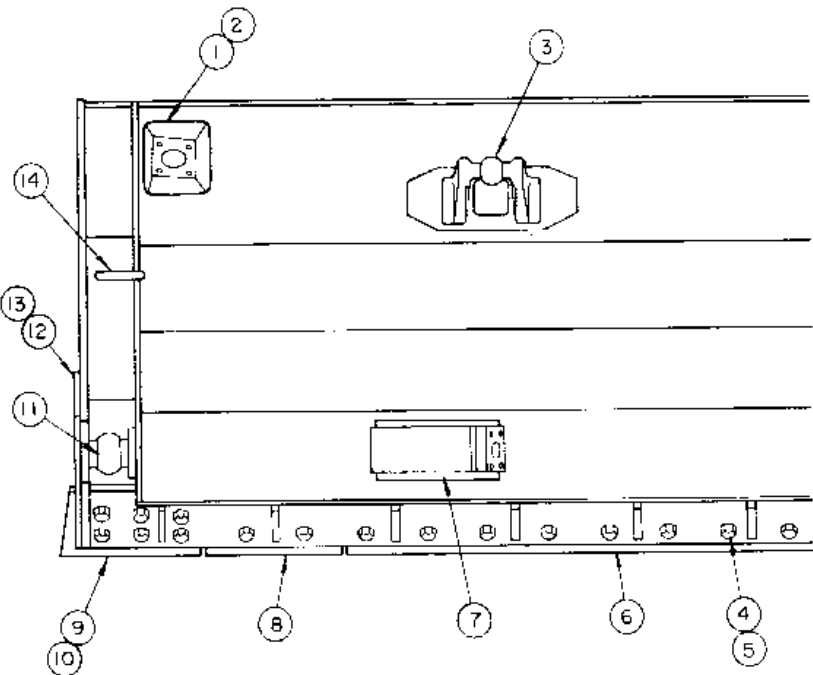
| Ref.        | Part number | Description  | Qty | Code | Group page |
|-------------|-------------|--------------|-----|------|------------|
| 14          | 5A-4216     | NUMBER PLATE | 1   | A    |            |
|             | 4B-4158     | DRIVE SCREW  | 2   |      |            |
| (NOT SHOWN) |             |              |     |      |            |

CAT codes: A.

5A-7952 BLADE GROUP

5A7952 BLADE GROUP No. 6S Bulldozer Serial No. 21H601, 607, 644, 650, 652, 654, 658, 696, 698, 700, 702, 705, 710-765, 21H781-21H3141 Part of 8J3467 6S-LGP Bulldozer Arrangement listed on Page 9

Drawing 1 of 1



| REF. NO. | PART NUMBER       | DESCRIPTION                          | QTY.   |
|----------|-------------------|--------------------------------------|--------|
| 1        | 4J3471            | SOCKET (R.H.)                        | 1      |
| 2        | 4J3472            | SOCKET (L.H.)                        | 1      |
| 3        | 6J8183            | BRACKET                              | 2      |
| 4        | 4F7827            | BOLT                                 | 31     |
| 5        | 2J3506            | NUT                                  | 31     |
| 6        | 8J7156            | EDGE (Center)                        | 1      |
| 7        | 5A7945            | SOCKET ASSEM.                        | 2      |
| 8        | 7J9478            | EDGE (End)                           | 2      |
| 9        | 8J7162            | END BIT (R.H.)                       | 1      |
| 10       | 8J7163            | END BIT (L.H.)                       | 1      |
| 11       | 6J774             | TRUNNION                             | 2      |
| 12       | 3Y23              | SHOE (R.H.)                          | 1      |
| 13       | 3Y24              | SHOE (L.H.)                          | 1      |
| 14       | 7J8393            | RETAINER                             | 2      |
| ▲ 15     | Not Serv. 14B4158 | NUMBER PLATE DRIVE SCREW (Not Shown) | 1<br>2 |

▲ Not Part of 5A7952 Blade Group

J7359C

| Ref. | Part number | Description    | Qty | Code | Group page |
|------|-------------|----------------|-----|------|------------|
| 1    | 4J-3471     | SOCKET (R.H.)  | 1   |      |            |
| 2    | 4J-3472     | SOCKET (L.H.)  | 1   |      |            |
| 3    | 6J-8183     | BRACKET        | 2   |      |            |
| 4    | 4F-7827     | BOLT           | 31  |      |            |
| 5    | 2J-3506     | NUT            | 31  |      |            |
| 6    | 8J-7156     | EDGE (Center)  | 1   |      |            |
| 7    | 5A-7945     | SOCKET ASSEM.  | 2   |      |            |
| 8    | 7J-9478     | EDGE (End)     | 2   |      |            |
| 9    | 8J-7162     | END BIT (R.H.) | 1   |      |            |
| 10   | 8J-7163     | END BIT (L.H.) | 1   |      |            |
| 11   | 6J-0774     | TRUNNION       | 2   |      |            |
| 12   | 3Y-0023     | SHOE (R.H.)    | 1   |      |            |
| 13   | 3Y-0024     | SHOE (L.H.)    | 1   |      |            |
| 14   | 7J-8393     | RETAINER       | 2   |      |            |

5A-7952 BLADE GROUP (continued)

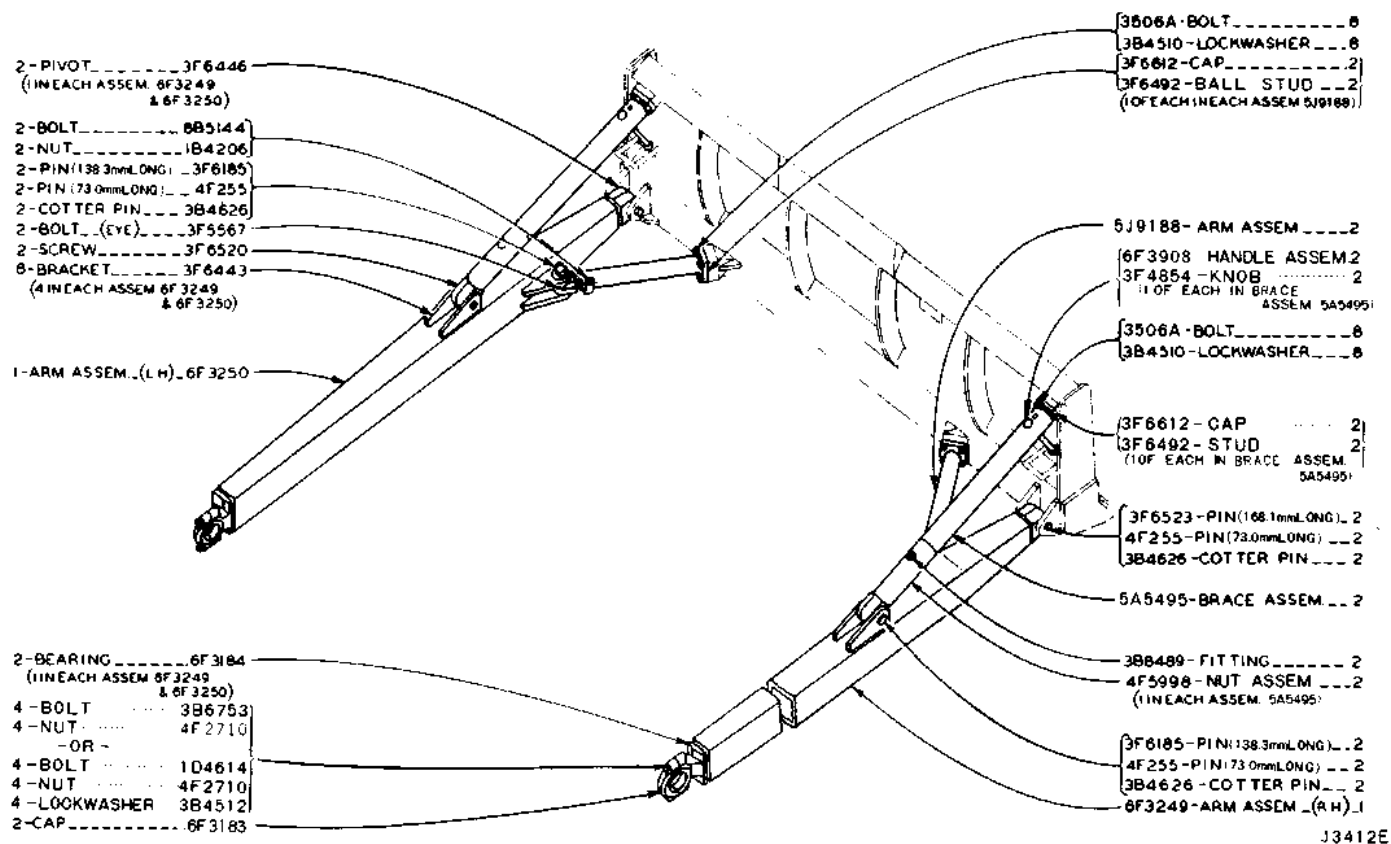
| Ref.        | Part number | Description  | Qty | Code | Group page |
|-------------|-------------|--------------|-----|------|------------|
| 15          | NOT-SERV    | NUMBER PLATE | 1   | A    |            |
|             | 4B-4158     | DRIVE SCREW  | 2   |      |            |
| (NOT SHOWN) |             |              |     |      |            |

CAT codes: A.

## 5J-9209 PUSH ARM AND BRACE GROUP

5J9209 PUSH ARM AND BRACE GROUP No. 6S-LGP Bulldozer No. 41H366-41H747 Part of 5J9212 6S-LGP Bulldozer Arrangement listed on Page 7

Drawing 1 of 1



| Ref.                                 | Part number | Description       | Qty | Code | Group page |
|--------------------------------------|-------------|-------------------|-----|------|------------|
|                                      | 3F-6446     | PIVOT             | 2   |      |            |
| (1 IN EACH ASSEM. 6F3249 AND 6F3250) |             |                   |     |      |            |
|                                      | 8B-5144     | BOLT              | 2   |      |            |
|                                      | 1B-4206     | NUT               | 2   |      |            |
|                                      | 3F-6185     | PIN (138.3mmLONG) | 2   |      |            |
|                                      | 4F-0255     | PIN (73.0mmLONG)  | 2   |      |            |
|                                      | 3B-4626     | COTTER PIN        | 2   |      |            |
|                                      | 3F-5567     | BOLT (EYE)        | 2   |      |            |
|                                      | 3F-6520     | SCREW             | 2   |      |            |
|                                      | 3F-6443     | BRACKET           | 8   |      |            |
| (4 IN EACH ASSEM. 6F3249 AND 6F3250) |             |                   |     |      |            |
|                                      | 6F-3250     | ARM ASSEM. (L.H.) | 1   |      |            |
|                                      | 6F-3184     | BEARING           | 2   |      |            |
| (1 IN EACH ASSEM. 6F3249 AND 6F3250) |             |                   |     |      |            |
|                                      | 3B-6753     | BOLT              | 4   |      |            |
|                                      | 4F-2710     | NUT               | 4   |      |            |

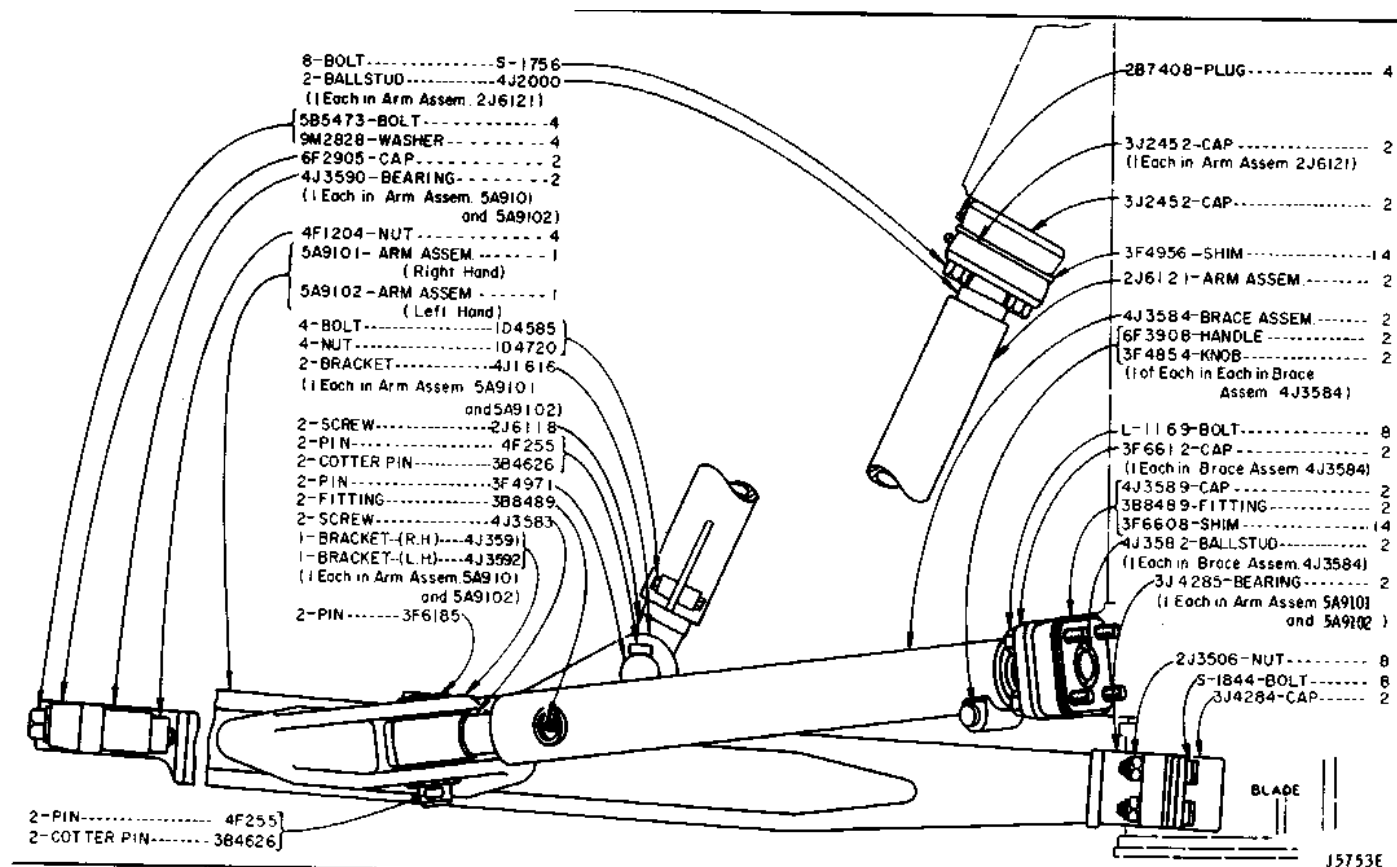
## 5J-9209 PUSH ARM AND BRACE GROUP (continued)

| Ref.                               | Part number | Description       | Qty. | Code | Group page |
|------------------------------------|-------------|-------------------|------|------|------------|
| - OR -                             |             |                   |      |      |            |
|                                    | 1D-4614     | BOLT              | 4    |      |            |
|                                    | 4F-2710     | NUT               | 4    |      |            |
|                                    | 3B-4512     | LOCKWASHER        | 4    |      |            |
|                                    | 6F-3183     | CAP               | 2    |      |            |
|                                    | 3-506A      | BOLT              | 8    |      |            |
|                                    | 3B-4510     | LOCKWASHER        | 8    |      |            |
|                                    | 3F-6612     | CAP               | 2    |      |            |
|                                    | 3F-6492     | BALL STUD         | 2    |      |            |
| (1 OF EACH IN EACH ASSEM. 5J9188)  |             |                   |      |      |            |
|                                    | 5J-9188     | ARM ASSEM.        | 2    |      |            |
|                                    | 6F-3908     | HANDLE ASSEM.     | 2    |      |            |
|                                    | 3F-4854     | KNOB              | 2    |      |            |
| (1 OF EACH IN BRACE ASSEM. 5A5495) |             |                   |      |      |            |
|                                    | 3-506A      | BOLT              | 8    |      |            |
|                                    | 3B-4510     | LOCKWASHER        | 8    |      |            |
|                                    | 3F-6612     | CAP               | 2    |      |            |
|                                    | 3F-6492     | STUD              | 2    |      |            |
| (1 OF EACH IN BRACE ASSEM. 5A5495) |             |                   |      |      |            |
|                                    | 3F-6523     | PIN (168.1mmLONG) | 2    |      |            |
|                                    | 4F-0255     | PIN (73.0mmLONG)  | 2    |      |            |
|                                    | 3B-4626     | COTTER PIN        | 2    |      |            |
|                                    | 5A-5495     | BRACE ASSEM.      | 2    |      |            |
|                                    | 3B-8489     | FITTING           | 2    |      |            |
|                                    | 4F-5998     | NUT ASSEM.        | 2    |      |            |
| (1 IN EACH ASSEM. 5A5495)          |             |                   |      |      |            |
|                                    | 3F-6185     | PIN (138.3mmLONG) | 2    |      |            |
|                                    | 4F-0255     | PIN (73.0mmLONG)  | 2    |      |            |
|                                    | 3B-4626     | COTTER PIN        | 2    |      |            |
|                                    | 6F-3249     | ARM ASSEM. (R.H.) | 1    |      |            |

## 5A-9099 PUSH ARM & BRACE GP

5A9099 PUSH ARM AND BRACE GROUP No. 6S-LGP Bulldozer Serial No. 21H1-21H350 Part of 5A8219 6S-LGP Bulldozer Arrangement listed on Page 8

Drawing 1 of 1



| Ref.                                     | Part number | Description             | Qty. | Code | Group page |
|------------------------------------------|-------------|-------------------------|------|------|------------|
|                                          | 4F-0255     | PIN                     | 2    |      |            |
|                                          | 3B-4626     | COTTER PIN              | 2    |      |            |
|                                          | 0S-1756     | BOLT                    | 8    |      |            |
|                                          | 4J-2000     | BALLSTUD                | 2    |      |            |
| (1 Each in Assem. 2J6121)                |             |                         |      |      |            |
|                                          | 5B-5473     | BOLT                    | 4    |      |            |
|                                          | 9M-2828     | WASHER                  | 4    |      |            |
|                                          | 6F-2905     | CAP                     | 2    |      |            |
|                                          | 4J-3590     | BEARING                 | 2    |      |            |
| (1 Each in Arm Assem. 5A9101 and 5A9102) |             |                         |      |      |            |
|                                          | 4F-1204     | NUT                     | 4    |      |            |
|                                          | 5A-9101     | ARM ASSEM. (Right Hand) | 1    |      |            |
|                                          | 5A-9102     | ARM ASSEM. (Left Hand)  | 1    |      |            |
|                                          | 1D-4585     | BOLT                    | 4    |      |            |
|                                          | 1D-4720     | NUT                     | 4    |      |            |

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