YANMAR

# PARTS CATALOG

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| 119225-52102 | 23 | 16 |
| 129150-35153 | 23 | 25 |
| 129907-55801 | 23 | 19 |
| 172215-00020 | 29 | 2 |
| | 35 | 2 |
| 172215-00040 | 53 | 1 |
| 172215-00060 | 26 | 18 |
| | | 42 |
| | 27 | 24 |
| 172215-00080 | 26 | 4 |
| | 28 | 3 |
| | 30 | 1 |
| | 31 | 1 |
| | 42 | 2 |
| | 118 | 2 |
| | 119 | 2 |
| 172215-00100 | 2 | 1 |
| | 52 | 2 |
| | | 33 |
| | 57 | 2 |
| | 108 | 4 |
| | 115 | 2 |
| 172215-00130 | 17 | 1 |
| | 18 | 2 |
| | 19 | 1 |
| | 20 | 2 |
| | 121 | 3 |
| | 125 | 2 |
| 172215-00180 | 32 | 4 |
| 172215-00190 | 23 | 4 |
| | 32 | 5 |
| | 37 | 2 |
| | 39 | 4 |
| 172215-00200 | 2 | 5 |
| | 25 | 5 |
| | 115 | 6 |
| 172215-00260 | 36 | 3 |
| | 37 | 3 |
| | 38 | 4 |
| | 39 | 6 |
| 172215-00270 | 33 | 4 |
| | 120 | 5 |
| 172215-00280 | 106 | 8 |
| 172215-00300 | 54 | 24 |
| 172215-00320 | 19 | 3 |
| | 20 | 4 |
| | 121 | 5 |
| | 125 | 4 |
| 172215-00340 | 41 | 3 |
| | 55 | 2 |

| Parts No. | Fig. No. | Ref. No. |
|---|---|---|
| 172215-00340 | 114 | 4 |
| 172215-00390 | 19 | 6 |
| | 20 | 7 |
| | 32 | 12 |
| | 40 | 6 |
| | 121 | 8 |
| | 125 | 7 |
| 172215-00400 | 14 | 1 |
| | 15 | 1 |
| | 100 | 1 |
| | 101 | 1 |
| 172215-00460 | 106 | 2 |
| 172215-00470 | 23 | 8 |
| 172215-00480 | 2 | 73 |
| | 93 | 52 |
| | 115 | 74 |
| 172215-00510 | 1 | 3 |
| 172215-00520 | 27 | 9 |
| | 29 | 8 |
| 172215-00530 | 23 | 9 |
| | 33 | 6 |
| | 34 | 2 |
| | 120 | 6 |
| | 124 | 3 |
| 172215-00540 | 42 | 4 |
| 172215-00550 | 3 | 6 |
| | 9 | 7 |
| | 99 | 7 |
| | 109 | 5 |
| 172215-00580 | 44 | 2 |
| | 54 | 6 |
| | 58 | 2 |
| 172215-00620 | 1 | 7 |
| | 23 | 29 |
| | 26 | 11 |
| | 27 | 15 |
| | 37 | 7 |
| | 40 | 9 |
| | 76 | 30 |
| | 77 | 30 |
| 172215-00650 | 10 | 8 |
| | 62 | 6 |
| 172215-00660 | 45 | 3 |
| | 49 | 3 |
| | 50 | 4 |
| 172215-00670 | 3 | 7 |
| | | 10 |
| | 9 | 14 |
| | 99 | 8 |
| | | 11 |

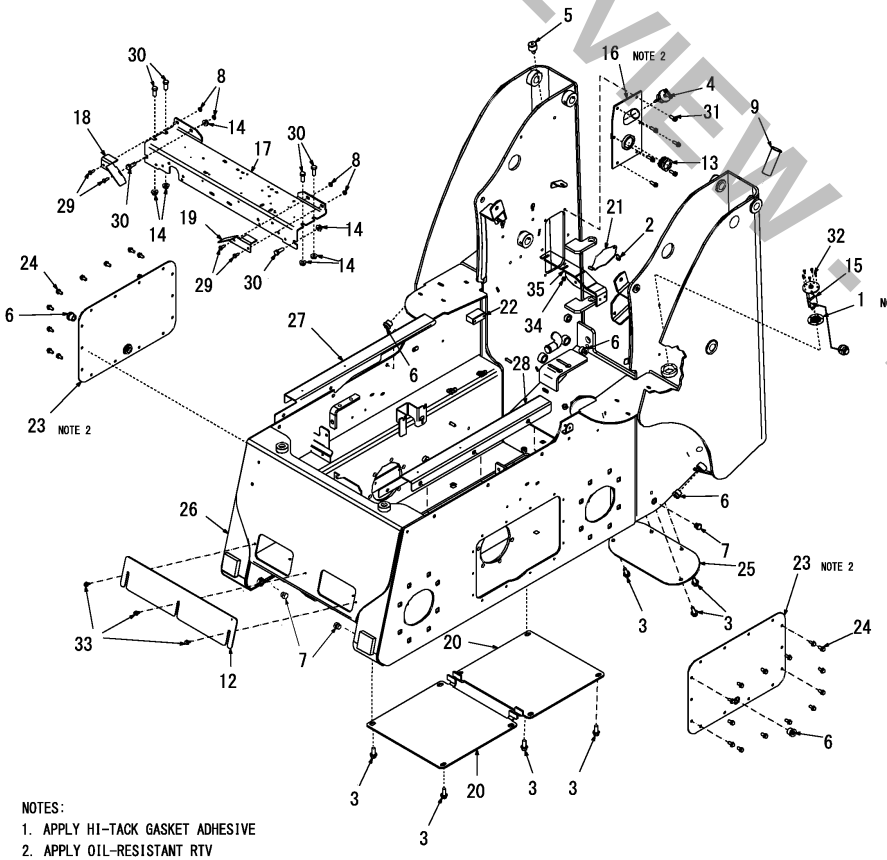
| Parts No. | Fig. No. | Ref. No. |
|---|---|---|
| 172215-00670 | 109 | 6 |
| 172215-00690 | 43 | 12 |
| 172215-00700 | 6 | 1 |
| | 7 | 1 |
| | 32 | 19 |
| | 43 | 13 |
| | 53 | 5 |
| 172215-00710 | 1 | 14 |
| | 9 | 16 |
| | 43 | 14 |
| | 113 | 2 |
| 172215-00740 | 2 | 15 |
| | 93 | 10 |
| | 115 | 16 |
| 172215-00770 | 93 | 13 |
| 172215-00800 | 61 | 1 |
| 172215-00820 | 64 | 8 |
| 172215-00830 | 63 | 1 |
| 172215-00840 | 64 | 7 |
| 172215-00850 | 34 | 3 |
| | 42 | 9 |
| | 92 | 2 |
| | 124 | 4 |
| 172215-00890 | 3 | 9 |
| | 99 | 10 |
| | 109 | 9 |
| 172215-00920 | 110 | 4 |
| 172215-01410 | 3 | 23 |
| | 9 | 19 |
| | 99 | 24 |
| | 109 | 18 |
| 172215-01480 | 3 | 28 |
| | 99 | 29 |
| 172215-01490 | 3 | 30 |
| | 99 | 31 |
| 172215-01540 | 25 | 26 |
| 172215-01560 | 24 | 15 |
| 172215-01570 | 110 | 7 |
| 172215-01580 | 110 | 8 |
| 172215-01970 | 110 | 9 |
| 172215-02110 | 11 | 18 |
| 172215-02120 | 3 | 50 |
| | 99 | 51 |
| 172215-02140 | 54 | 23 |
| 172215-02220 | 10 | 28 |
| 172215-02280 | 122 | 5 |
| 172215-02290 | 122 | 6 |
| 172215-02300 | 122 | 7 |
| 172215-02310 | 122 | 8 |
| 172215-02320 | 123 | 2 |

| Parts No. | Fig. No. | Ref. No. |
|---|---|---|
| 172215-02330 | 123 | 3 |
| 172215-02340 | 123 | 4 |
| 172215-02350 | 123 | 5 |
| 172215-02360 | 123 | 6 |
| 172215-02380 | 122 | 9 |
| 172215-02410 | 123 | 8 |
| 172215-02680 | 42 | 31 |
| | 44 | 24 |
| 172215-02700 | 26 | 50 |
| | 27 | 53 |
| | 28 | 43 |
| | 29 | 46 |
| | 43 | 25 |
| 172215-02720 | 11 | 20 |
| | 47 | 18 |
| | 48 | 20 |
| 172215-02770 | 110 | 12 |
| 172215-02820 | 11 | 21 |
| | 42 | 32 |
| | 44 | 25 |
| 172215-02830 | 23 | 52 |
| 172215-02850 | 12 | 6 |
| | 14 | 5 |
| | 15 | 6 |
| | 100 | 4 |
| | 101 | 4 |
| | 103 | 4 |
| 172215-02870 | 46 | 23 |
| 172215-02880 | 52 | 24 |
| 172215-02890 | 26 | 51 |
| | 27 | 54 |
| | 28 | 44 |
| | 29 | 47 |
| | 33 | 20 |
| | 42 | 33 |
| | 120 | 21 |
| 172215-02920 | 32 | 51 |
| 172215-02930 | 25 | 38 |
| 172215-02940 | 93 | 45 |
| | 109 | 34 |
| 172215-02950 | 16 | 25 |
| | 40 | 42 |
| | 110 | 13 |
| 172215-02970 | 96 | 8 |
| 172215-03020 | 114 | 26 |
| 172215-03050 | 122 | 14 |
| 172215-03100 | 122 | 15 |
| 172215-03110 | 2 | 60 |
| | 9 | 36 |
| | 93 | 46 |

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# Fig.1. CHASSIS




(A)=S190R
(B)=
(C)=
(D)=
(E)=
(F)=

| No. | Lev. | Parts No. | Description | Q'ty (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 172216-00210 | GASKET, FUEL SENDER | 1 | | | | | | | |
| 2 | 1 | 172551-00610 | SCREW | 1 | | | | | | | |
| 3 | 1 | 172215-00510 | SCREW | 8 | | | | | | | |
| 4 | 1 | 172216-00810 | CAP, HYD. RESERVOIR | 1 | | | | | | | |
| 5 | 1 | 172551-01000 | BREATHER | 1 | | | | | | | |
| 6 | 1 | 172551-01040 | PLUG | 5 | | | | | | | |
| 7 | 1 | 172215-00620 | PLUG | 3 | | | | | | | |
| 8 | 1 | 172551-01060 | NUT | 4 | | | | | | | |
| 9 | 1 | 172216-01240 | STRAINER, FUEL FILL | 1 | | | | | | | |
| 10 | 1 | 172216-01250 | CAP, FUEL TANK | 1 | | | | | | | 1 |
| 11 | 1 | 172216-09380 | SCREW | 2 | | | | | | | 1 |
| 12 | 1 | 172216-01480 | COVER, TOEPLATE | 1 | | | | | | | |
| 13 | 1 | 172551-01190 | SIGHT PORT | 1 | | | | | | | |
| 14 | 1 | 172215-00710 | NUT | 2 | | | | | | | |
| 15 | 1 | 172216-02080 | FUEL SENSOR, VDO | 1 | | | | | | | |
| 16 | 1 | 172216-05310 | COVER, RESERVOIR | 1 | | | | | | | |
| 17 | 1 | 172216-05390 | PLATE, CROSSMEMBER | 1 | | | | | | | |
| 18 | 1 | 172216-05420 | COVER, UNDER SEAT R | 1 | | | | | | | |
| 19 | 1 | 172216-05430 | COVER, UNDER SEAT L | 1 | | | | | | | |
| 20 | 1 | 172216-05570 | PAN, BELLY | 2 | | | | | | | |
| 21 | 1 | 172216-06270 | PLATE, COVER | 1 | | | | | | | |
| 22 | 1 | 172216-06380 | SPACER, SOLENOID L | 1 | | | | | | | |
| 23 | 1 | 172216-06460 | COVER, CHAINCASE | 2 | | | | | | | |
| 24 | 1 | 172216-06810 | SCREW | 28 | | | | | | | |
| 25 | 1 | 172216-07790 | COVER, ACCESS | 1 | | | | | | | |
| 26 | 1 | 172216-08360 | CHASSIS | 1 | | | | | | | |
| 27 | 1 | 172216-09140 | FILLER, ROPS RIGHT | 1 | | | | | | | |
| 28 | 1 | 172216-09150 | FILLER, ROPS LEFT | 1 | | | | | | | |
| 29 | 1 | 172551-09510 | SCREW | 4 | | | | | | | |
| 30 | 1 | 172551-09570 | SCREW | 6 | | | | | | | |
| 31 | 1 | 172216-09500 | SCREW | 6 | | | | | | | |
| 32 | 1 | 172215-03120 | SCREW | 5 | | | | | | | |
| 33 | 1 | 172215-03150 | SCREW | 3 | | | | | | | |
| 34 | 1 | 172551-00240 | NUT | 2 | | | | | | | |
| 35 | 1 | 172216-10630 | BRACKET, AIR CLEANER | 1 | | | | | | | |

Remarks
(1)Not shown in illustration.

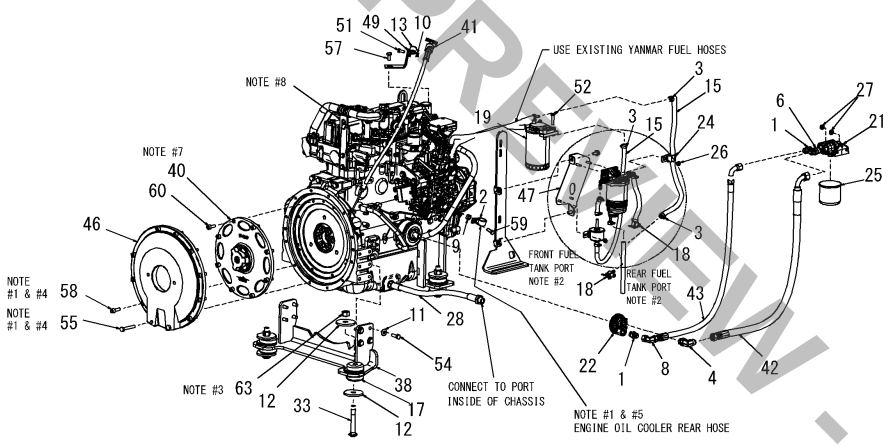
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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# Fig.23. ENGINE

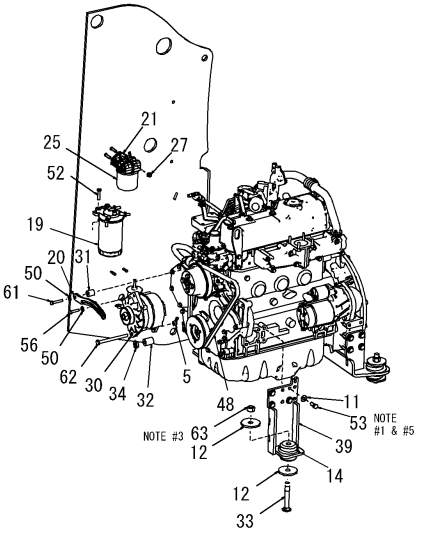


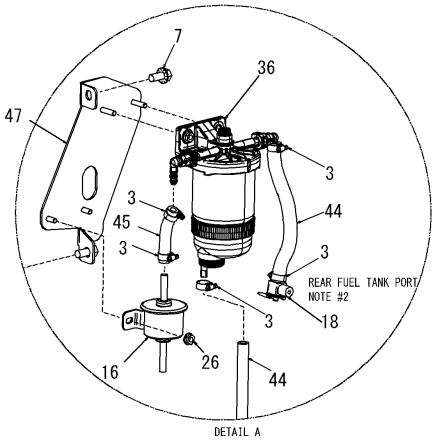

GOVERNED ENGINE SPEED SPECIFICATIONS

| SPEED SETTING | RPM | TOLERANCE |
|---|---|---|
| LOW IDLE, NO LOAD | 1000 | ± 10 RPM |
| HIGH IDLE, NO LOAD | 2500 | ± 10 RPM |
| HIGH, NO LOAD (EU ONLY) | 2500 | ± 10 RPM |
| MANUFACTURER'S RATING* | 2500 | ± 10 RPM |

*THE MAXIMUM RPM UNDER LOAD WHEN THE GOVERNOR IS AT ITS FASTEST SETTING(OPEN)

NOTES:
1. APPLY SPECIFIED LOCKING ADHESIVE AGENT OR EQUIVALENT
2. PIPE THREAD SEALANT
3. 110 FT-LBS.
4. 47 FT-LBS
5. 28 FT-LBS
6. RE-USE WASHER SUPPLIED WITH ENGINE OIL DRAIN PLUG
7. COUPLER PLATE INSTALLATION
   A. DO NOT APPLY LUBRICATION /GREASE
   B. LEADING EDGE OF COUPLER GUB TO BE POSITIONED FROM .39"-.42" PUMP SURFACE
   C. TORQUE (2) SET SCREWS TO 20 FT-LBS EACH
8. REMOVE LIFT HOOK FROM FLYWHEEL END OF ENGINE AND DISCARD.




(A)=S190R (D)=
(B)= (E)=
(C)= (F)=

| No. | Lev. | Parts No. | Description | Q'ty (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 172551-00040 | FITTING | 2 | | | | | | | |
| 2 | 1 | 172216-00080 | CLAMP | 1 | | | | | | | |
| 3 | 1 | 172551-00140 | CLAMP | 9 | | | | | | | |
| 4 | 1 | 172215-00190 | FITTING | 1 | | | | | | | |
| 5 | 1 | 172216-00180 | NUT | 1 | | | | | | | |
| 6 | 1 | 172551-00320 | CONNECTOR | 1 | | | | | | | |
| 7 | 1 | 172551-00440 | SCREW | 2 | | | | | | | |
| 8 | 1 | 172215-00470 | FITTING | 1 | | | | | | | |
| 9 | 1 | 172215-00530 | SPACER | 1 | | | | | | | |
| 10 | 1 | 172551-01060 | NUT | 1 | | | | | | | |
| 11 | 1 | 172216-01470 | WASHER | 16 | | | | | | | |
| 12 | 1 | 172551-01240 | WASHER | 8 | | | | | | | |
| 13 | 1 | 172551-01270 | CLAMP | 1 | | | | | | | |
| 14 | 1 | 172551-01310 | ISOLATOR | 2 | | | | | | | |
| 15 | 1 | 172216-03610 | HOSE, FUEL | 2 | | | | | | | |
| 16 | 1 | 119225-52102 | PUMP ASSY, FUEL FEED | 1 | | | | | | | |
| 17 | 1 | 172216-04700 | ISOLATOR | 2 | | | | | | | |
| 18 | 1 | 172216-05240 | VALVE, FUEL SHUT OFF | 2 | | | | | | | |
| 19 | 1 | 129907-55801 | FILTER, FUEL | 1 | | | | | | | |
| 20 | 1 | 172551-02510 | BRACKET, ALTERNATOR | 1 | | | | | | | |
| 21 | 1 | 172551-02540 | MOUNT, FILTER | 1 | | | | | | | |
| 22 | 1 | 172551-02550 | ADAPTOR, FILTER | 1 | | | | | | | |
| 23 | 1 | 172216-11900 | O-RING 230 N70 | 1 | | | | | | | 1 |
| 24 | 1 | 172551-02560 | CLAMP | 1 | | | | | | | |
| 25 | 1 | 129150-35153 | FILTER | 1 | | | | | | | |
| 26 | 1 | 172215-06610 | NUT | 4 | | | | | | | |
| 27 | 1 | 172215-06620 | NUT | 2 | | | | | | | |
| 28 | 1 | 172216-07390 | HOSE ASSY | 1 | | | | | | | |
| 29 | 1 | 172215-00620 | PLUG | 1 | | | | | | | 1 |
| 30 | 1 | 172551-02920 | ALTERNATOR | 1 | | | | | | | |
| 31 | 1 | 172551-02950 | SPACER | 1 | | | | | | | |
| 32 | 1 | 172551-02960 | SPACER | 1 | | | | | | | |
| 33 | 1 | 172216-07880 | BOLT | 4 | | | | | | | |
| 34 | 1 | 172551-02980 | SPACER | 1 | | | | | | | |
| 36 | 1 | 172216-08280 | SEPARATOR, FILTER | 1 | | | | | | | |
| 37 | 1 | 172216-08580 | ELEMENT, FILTER | 1 | | | | | | | 1 |
| 38 | 1 | 172216-08310 | MOUNT, ENGINE | 1 | | | | | | | 2 |
| 39 | 1 | 172216-08320 | MOUNT, ENGINE | 2 | | | | | | | |
| 40 | 1 | 172216-08330 | COUPLER, FLEX | 1 | | | | | | | |
| 41 | 1 | 172216-08350 | DIPSTICK ASSY | 1 | | | | | | | |
| 42 | 1 | 172216-12330 | HOSE 5/8 X 34.50 | 1 | | | | | | | |
| 43 | 1 | 172216-12320 | HOSE 1/2 X 35 | 1 | | | | | | | |
| 44 | 1 | 172216-08490 | HOSE, FUEL | 2 | | | | | | | |
| 45 | 1 | 172216-08500 | HOSE, FUEL | 1 | | | | | | | |
| 46 | 1 | 172216-08590 | HOUSING, FLYWHEEL | 1 | | | | | | | |
| 47 | 1 | 172216-08630 | BRACKET, PREFILTER | 1 | | | | | | | |
| 48 | 1 | 25153-004500 | V-BELT, B45 | 1 | | | | | | | |
| 49 | 1 | 172216-10480 | BRACKET, DIPSTICK | 1 | | | | | | | |
| 50 | 1 | 172216-09250 | WASHER | 2 | | | | | | | |
| 51 | 1 | 172551-09510 | SCREW | 1 | | | | | | | |
| 52 | 1 | 172215-02830 | SCREW | 2 | | | | | | | |

Remarks
(1)Not shown in illustration.
(2)Fw end.

N:Old ⇄ New, Q:Old ⇄ New, R:Old ⇄ New, S:Old ⇄ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

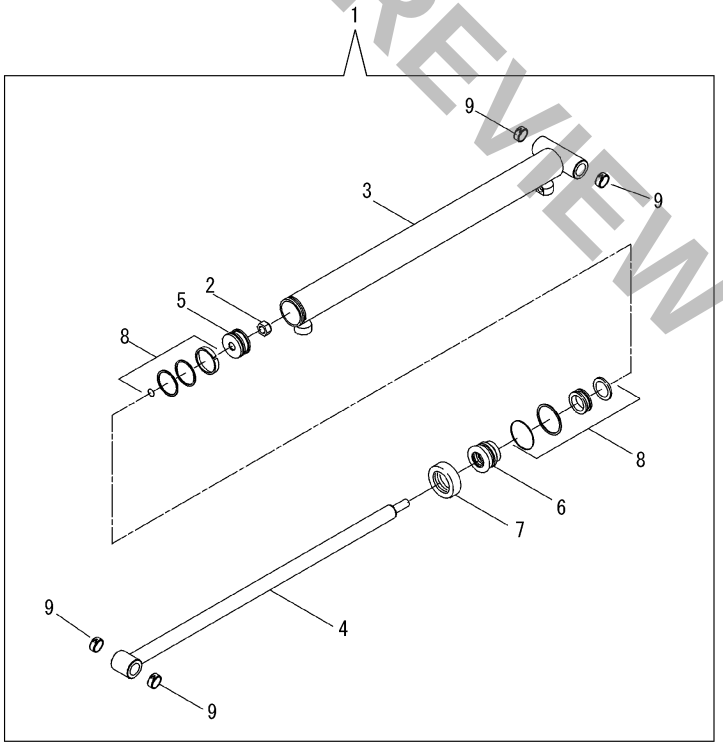
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# Fig.67. LIFT CYLINDER




(A)=S190R
(B)=
(C)=
(D)=
(E)=
(F)=

| No. | Lev. | Parts No. | Description | Q'ty (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 172216-02790 | CYLINDER, LIFT | 2 | | | | | | | |
| 2 | 2 | 172551-00390 | NUT | 2 | | | | | | | |
| 3 | 2 | 172216-03090 | TUBE, LIFT CYLINDER | 2 | | | | | | | |
| 4 | 2 | 172216-03990 | ROD, LIFT CYLINDER | 2 | | | | | | | |
| 5 | 2 | 172216-01660 | PISTON | 2 | | | | | | | |
| 6 | 2 | 172216-01670 | GLAND, HEAD | 2 | | | | | | | |
| 7 | 2 | 172551-00940 | CAP,HEAD GLAND | 2 | | | | | | | |
| 8 | 2 | 172216-01690 | SEAL KIT | 2 | | | | | | | |
| 9 | 2 | 172216-03250 | BUSHING | 8 | | | | | | | |
| 10 | 2 | 172216-01680 | SPACER | 2 | | | | | | | 1 |

Remarks
(1)Goes inside the lift cylinder.
Not shown in illustration.

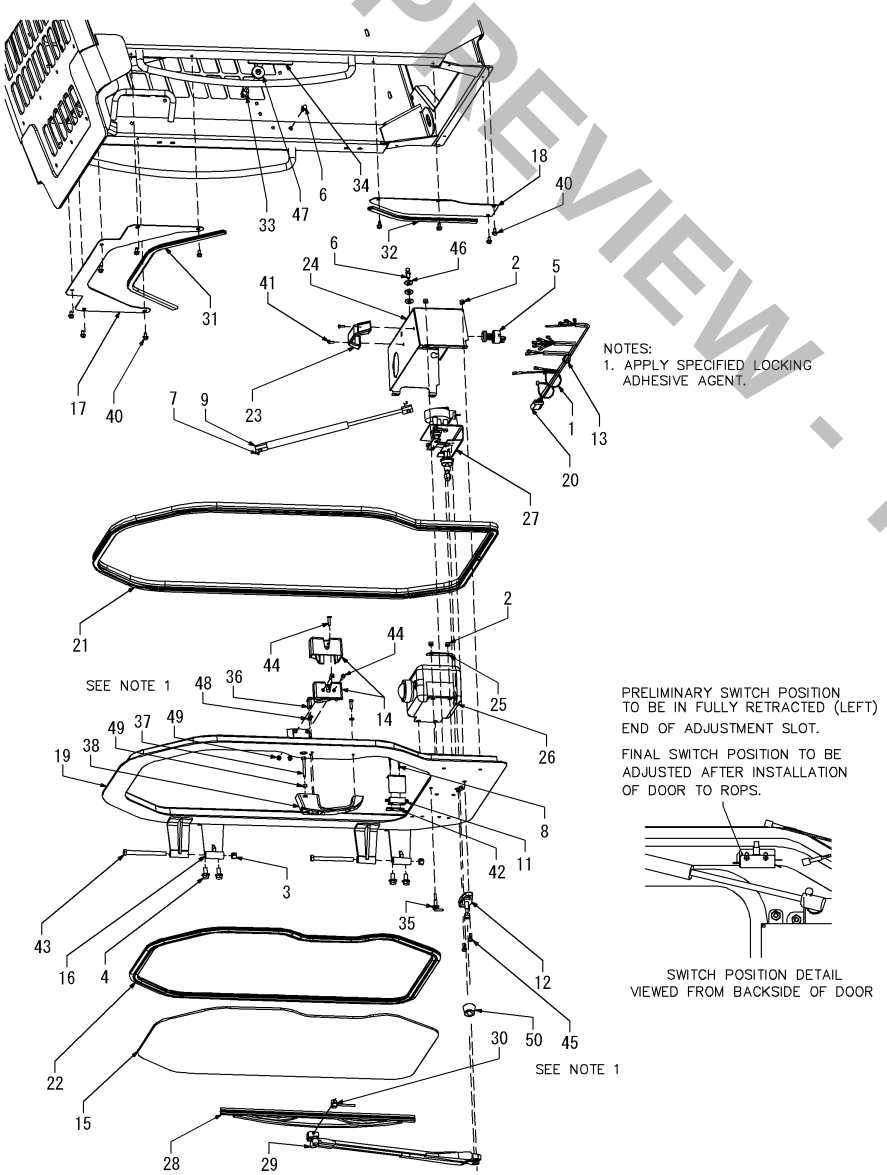
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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# Fig.3. CHASSIS(HVAC COMPLETING-CAB DOOR ASSEMBLY)




(A)=S190R
(B)=
(C)=
(D)=
(E)=
(F)=

| No. | Lev. | Parts No. | Description | Q'ty (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 172551-00120 | TIE, CABLE | 2 | | | | | | | |
| 2 | 1 | 172551-00250 | NUT | 8 | | | | | | | |
| 3 | 1 | 172551-00280 | NUT | 2 | | | | | | | |
| 4 | 1 | 172551-01810 | SCREW | 4 | | | | | | | |
| 5 | 1 | 172215-04600 | SWITCH, WIPER | 1 | | | | | | | |
| 6 | 1 | 172215-00550 | STUD, BALL | 2 | | | | | | | |
| 7 | 1 | 172215-00670 | CLIP, GAS SPRING | 2 | | | | | | | |
| 8 | 1 | 172216-02520 | SCREW | 2 | | | | | | | |
| 9 | 1 | 172215-00890 | SPRING, GAS ASSIST | 1 | | | | | | | |
| 10 | 1 | 172215-00670 | CLIP, GAS SPRING | 1 | | | | | | | 1 |
| 11 | 1 | 172216-02550 | SWITCH, LIMIT | 1 | | | | | | | |
| 12 | 1 | 172216-02560 | PIVOT, PANTOGRAPH | 1 | | | | | | | |
| 13 | 1 | 172216-02570 | GROMMET, RUBBER | 1 | | | | | | | |
| 14 | 1 | 172551-01970 | LATCH, CAM | 1 | | | | | | | |
| 15 | 1 | 172216-03230 | GLASS, DOOR | 1 | | | | | | | |
| 16 | 1 | 172216-03240 | HINGE, FRAME | 2 | | | | | | | |
| 17 | 1 | 172216-03260 | SHHET, FILTER TOP | 1 | | | | | | | |
| 18 | 1 | 172216-03270 | SHHET, FILTER LOW | 1 | | | | | | | |
| 19 | 1 | 172216-03280 | DOOR | 1 | | | | | | | |
| 20 | 1 | 172216-03310 | HARNESS, DOOR | 1 | | | | | | | |
| 21 | 1 | 172216-03320 | SEAL, BULB | 1 | | | | | | | |
| 22 | 1 | 172216-03330 | SEAL, WEATHER DOOR | 1 | | | | | | | |
| 23 | 1 | 172215-01410 | HANDLE, GRAB | 1 | | | | | | | |
| 24 | 1 | 172216-03390 | COVER, WASHER | 1 | | | | | | | |
| 25 | 1 | 172216-03660 | PLATE, WASHER BOTTLE | 2 | | | | | | | |
| 26 | 1 | 172216-03670 | TANK, RESERVOIR | 1 | | | | | | | |
| 27 | 1 | 172216-03680 | MOTOR ASSY, WIPER | 1 | | | | | | | |
| 28 | 1 | 172215-01480 | BLADE, WIPER | 1 | | | | | | | 2 |
| 29 | 1 | 172216-03720 | WIPER ARM, PANTO | 1 | | | | | | | 2 |
| 30 | 1 | 172215-01490 | ARM KIT, WET | 1 | | | | | | | 2 |
| 31 | 1 | 172216-03770 | TRIM, DOOR | 1 | | | | | | | |
| 32 | 1 | 172216-03780 | TRIM, DOOR | 1 | | | | | | | |
| 33 | 1 | 172551-02330 | STRIKER, CAM LATCH | 1 | | | | | | | |
| 34 | 1 | 172216-04400 | PLATE, STRIKER MOUNT | 1 | | | | | | | |
| 35 | 1 | 172215-07190 | FITTING | 1 | | | | | | | |
| 36 | 1 | 172216-10950 | SCREW | 3 | | | | | | | |
| 37 | 1 | 172216-10960 | SCREW | 1 | | | | | | | |
| 38 | 1 | 172216-11100 | HANDLE, CAB DOOR | 1 | | | | | | | |
| 39 | 1 | 172215-09860 | KEY | 1 | | | | | | | 3 |
| 40 | 1 | 172551-09440 | SCREW | 10 | | | | | | | |
| 41 | 1 | 172551-09610 | SCREW | 2 | | | | | | | |
| 42 | 1 | 172216-04820 | BACKPLATE | 1 | | | | | | | |
| 43 | 1 | 172216-09450 | SCREW | 2 | | | | | | | |
| 44 | 1 | 172216-09600 | SCREW | 3 | | | | | | | |
| 45 | 1 | 172215-03140 | SCREW | 2 | | | | | | | |
| 46 | 1 | 172551-10370 | WASHER | 3 | | | | | | | |
| 47 | 1 | 172551-10390 | WASHER | 4 | | | | | | | |
| 48 | 1 | 172215-03270 | WASHER | 3 | | | | | | | |
| 49 | 1 | 172551-10430 | NUT | 3 | | | | | | | |
| 50 | 1 | 172215-02120 | BUSHING | 1 | | | | | | | |
| 51 | 1 | 172216-11980 | ARM, WET WIPER ASSY | 1 | | | | | | | 3 |

Remarks
(1)As required.
Not shown in illustration.
(2)Service part for Ref.No.51.
(3)Not shown in illustration.

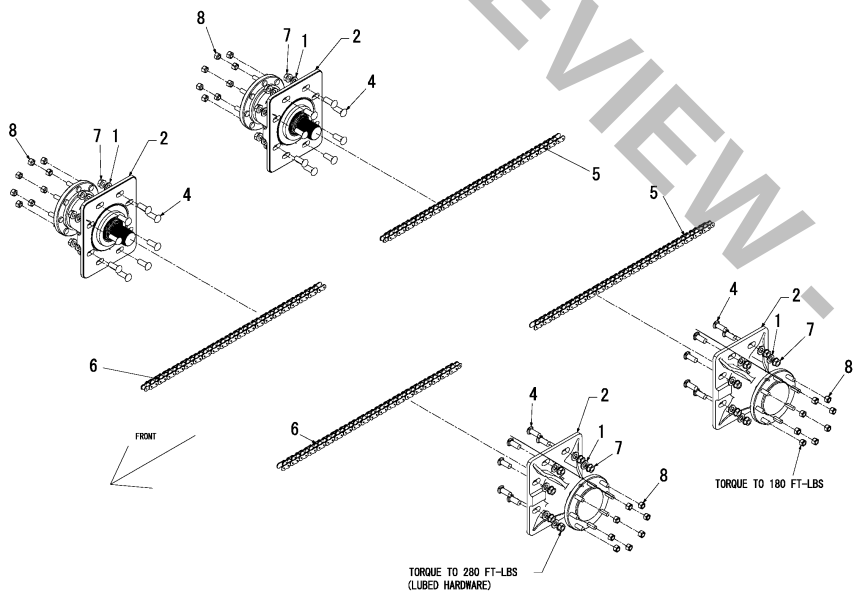
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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# Fig.21. WHEEL DRIVES




(A)=S190R
(B)=
(C)=
(D)=
(E)=
(F)=

| No. | Lev. | Parts No. | Description | Q'ty (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 172216-09640 | WASHER | 32 | | | | | | | |
| 2 | 1 | 172216-06570 | AXLE ASSY | 4 | | | | | | | |
| 3 | 1 | 172216-02530 | BOLT | 32 | | | | | | | 1 |
| 4 | 1 | 172216-02300 | BOLT | 32 | | | | | | | |
| 5 | 1 | 172216-01530 | CHAIN | 2 | | | | | | | |
| 6 | 1 | 172216-01520 | CHAIN | 2 | | | | | | | |
| 7 | 1 | 172216-01120 | NUT | 32 | | | | | | | |
| 8 | 1 | 172216-00360 | NUT | 32 | | | | | | | |
| 9 | 1 | 172216-02580 | SPROCKET | 4 | | | | | | | 2 |
| 10 | 1 | 172216-02780 | SPROCKET | 4 | | | | | | | 3 |

Remarks
(1)Not shown in illustration.
(2)Single-speed.
Not shown in illustration.
(3)Two-speed.
Not shown in illustration.

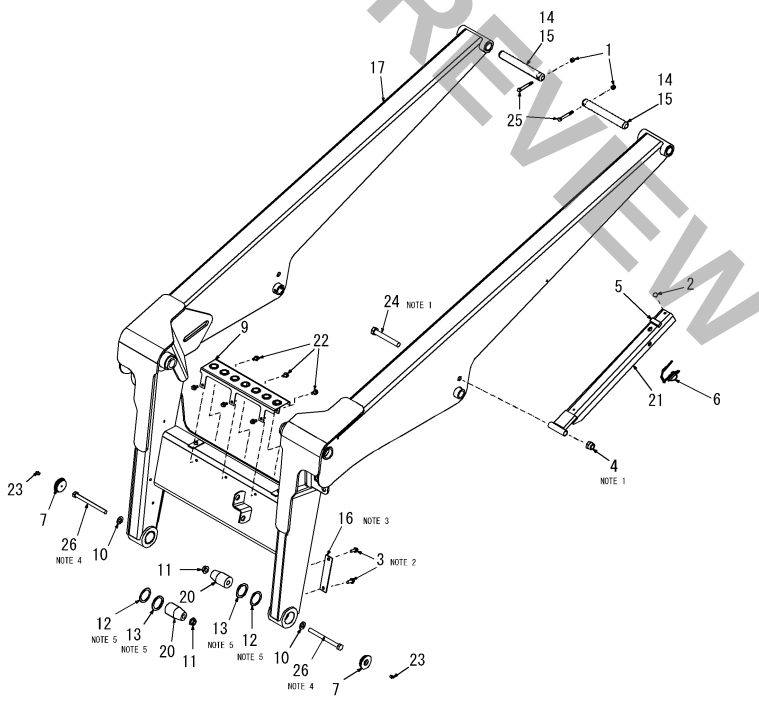
N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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# Fig.16. LIFT ARM




NOTES:

1. DO NOT OVERTIGHTEN
2. APPLY SPECIFIED LOCKING ADHESIVE AGENT
3. ADDITIONAL SHIMS MAY BE USED TO INSURE CONTACT BETWEEN SHIMS AND CHASSIS STOP BLOCKS.
4. 220 FT-LBS
5. ADD SHIMS 172216-02120 AND 172216-02130 AS REQUIRED TO ACHIEVE A GAP BETWEEN THE LIFT ARMS AND THE MANUAL QUICK COUPLER FROM 0.000" TO 0.060" WIDE.

(A)=S190R
(B)=
(C)=
(D)=
(E)=
(F)=

| No. | Lev. | Parts No. | Description | Q'ty (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 172551-00180 | NUT | 2 | | | | | | | |
| 2 | 1 | 172216-00270 | STEM, RUBBER | 1 | | | | | | | |
| 3 | 1 | 172551-00590 | SCREW | 4 | | | | | | | |
| 4 | 1 | 172551-00520 | NUT | 1 | | | | | | | |
| 5 | 1 | 172216-00410 | PAD, ARM BRACE | 1 | | | | | | | |
| 6 | 1 | 172216-00470 | PIN, KLIK | 1 | | | | | | | |
| 7 | 1 | 172216-00890 | GREASE CAP | 2 | | | | | | | |
| 8 | 1 | 172216-06670 | C-CLIP | 2 | | | | | | | 1 |
| 9 | 1 | 172216-01080 | STEP | 1 | | | | | | | |
| 10 | 1 | 172216-02040 | WASHER | 2 | | | | | | | |
| 11 | 1 | 172216-02110 | NUT | 2 | | | | | | | |
| 12 | 1 | 172216-02120 | SHIM | 2 | | | | | | | |
| 13 | 1 | 172216-02130 | SHIM | 2 | | | | | | | |
| 14 | 1 | 172216-04530 | PIN, GREASELESS | 2 | | | | | | | |
| 15 | 1 | 172216-01580 | PIN, GREASEABLE | 2 | | | | | | | 2 |
| 16 | 1 | 172216-05440 | SHIM | 2 | | | | | | | |
| 17 | 1 | 172216-07220 | LIFT ARM | 1 | | | | | | | |
| 18 | 1 | 172216-00440 | BUSHING | 2 | | | | | | | 3 |
| 19 | 1 | 172216-02820 | BUSHING | 4 | | | | | | | 4 |
| 20 | 1 | 172216-07470 | PIN,PIVOT | 2 | | | | | | | |
| 21 | 1 | 172216-08140 | ARM, SAFETY | 1 | | | | | | | |
| 22 | 1 | 172216-10940 | SCREW | 6 | | | | | | | |
| 23 | 1 | 172551-09410 | FITTING | 2 | | | | | | | |
| 24 | 1 | 172216-09300 | SCREW | 1 | | | | | | | |
| 25 | 1 | 172215-02950 | SCREW | 2 | | | | | | | |
| 26 | 1 | 172216-09670 | SCREW | 2 | | | | | | | |

Remarks
(1)Not shown in illustration.
(2)Pin that takes a grease zerk (Ref.No.23) and requires lubricating grease for maintenance.
(3)At hitch attachment.
Not shown in illustration.
(4)Lift arm pivot.
Not shown in illustration.

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\rightleftarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\rightleftarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\rightleftarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

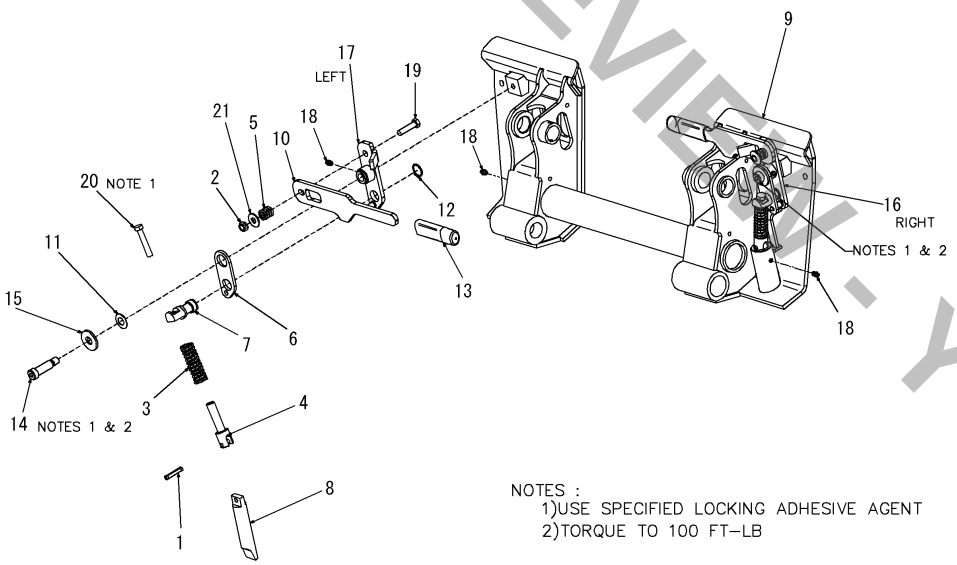
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# Fig.17. ATTACHMENT BRACKET(MANUAL QUICK COUPLER)(1)

(A)=S190R
(B)=
(C)=
(D)=
(E)=
(F)=




NOTES :
1)USE SPECIFIED LOCKING ADHESIVE AGENT
2)TORQUE TO 100 FT-LB

| No. | Lev. | Parts No. | Description | Q'ty (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 172215-00130 | PIN, SPRING | 2 | | | | | | | |
| 2 | 1 | 172551-00290 | NUT | 2 | | | | | | | |
| 3 | 1 | 172216-00790 | SPRING, COMPRESSION | 2 | | | | | | | |
| 4 | 1 | 172216-01600 | ROD, PUSH | 2 | | | | | | | |
| 5 | 1 | 172216-01640 | SPRING, COMPRESSION | 2 | | | | | | | |
| 6 | 1 | 172216-03140 | PLATE, LATCH LINK | 2 | | | | | | | |
| 7 | 1 | 172216-03150 | ADAPTOR, PUSH ROD | 2 | | | | | | | |
| 8 | 1 | 172216-03160 | PIN, LATCH | 2 | | | | | | | |
| 9 | 1 | 172216-12380 | WELDMENT, Q COUPLER | 1 | | | | | | | |
| 10 | 1 | 172216-03420 | HANDLE | 2 | | | | | | | |
| 11 | 1 | 172216-03630 | WASHER | 2 | | | | | | | |
| 12 | 1 | 172216-03640 | RING, RETAINING | 2 | | | | | | | |
| 13 | 1 | 172215-09310 | GRIP | 2 | | | | | | | |
| 14 | 1 | 172216-11940 | SCREW,SHOULDER 3/4X2 | 2 | | | | | | | |
| 15 | 1 | 172216-11950 | WASHER | 2 | | | | | | | |
| 16 | 1 | 172216-12360 | LINK, LATCH RIGHT | 1 | | | | | | | |
| 17 | 1 | 172216-12370 | LINK, LATCH LEFT | 1 | | | | | | | |
| 18 | 1 | 172551-09410 | FITTING | 4 | | | | | | | |
| 19 | 1 | 172551-09670 | SCREW | 2 | | | | | | | |
| 20 | 1 | 172216-09630 | SCREW | 2 | | | | | | | |
| 21 | 1 | 172551-10390 | WASHER | 2 | | | | | | | |

Remarks
* SNXXXXXX and Up.

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

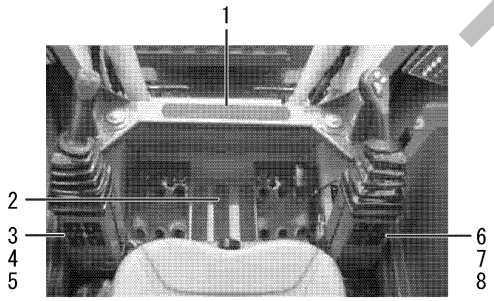
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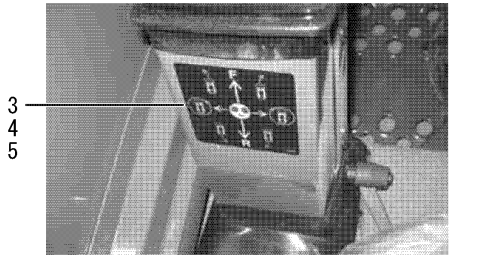
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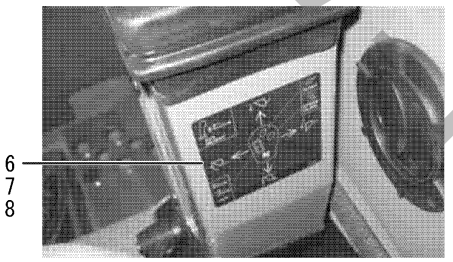
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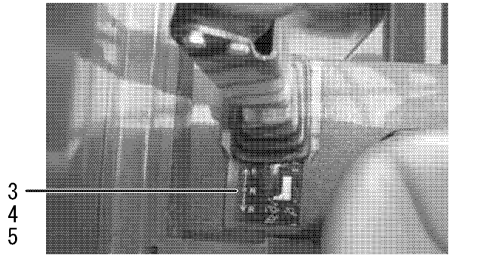
# Fig.65. DECALS(5)

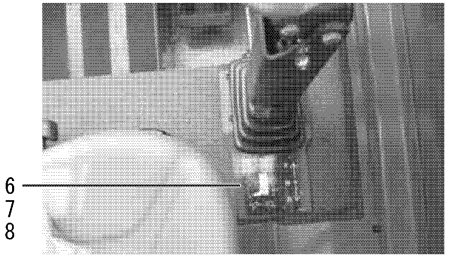


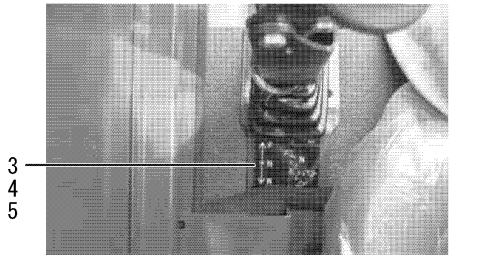


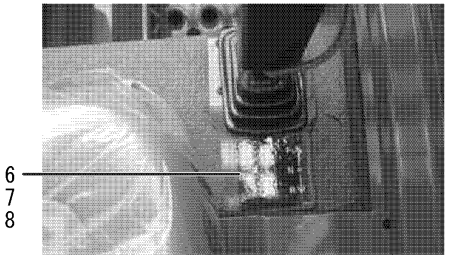




(A)=S190R
(B)=
(C)=
(D)=
(E)=
(F)=

| No. | Lev. | Parts No. | Description | Q'ty (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | 172216-00240 | STRIP | 1 | | | | | | | |
| 2 | 1 | 172216-00550 | STRIP | 3 | | | | | | | |
| 3 | 1 | 172216-03560 | LABEL HAND&FOOT L | 1 | | | | | | | |
| 4 | 1 | 172216-03580 | LABEL, DUAL HAND L | 1 | | | | | | | |
| 5 | 1 | 172216-03730 | LABEL, JOYSTICK LEFT | 1 | | | | | | | |
| 6 | 1 | 172216-04990 | LABEL, JOYSTICK | 1 | | | | | | | |
| 7 | 1 | 172216-03550 | LABEL HAND&FOOT R | 1 | | | | | | | |
| 8 | 1 | 172216-03570 | LABEL, DUAL HAND R | 1 | | | | | | | |

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftrightarrows}}$ New, Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftrightarrows}}$ New, S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftrightarrows}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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