# FLANGE MACHINES 

 MODELS PFM 515/516

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| $\begin{aligned} & \text { REF. } \\ & \text { NO. } \end{aligned}$ | PART <br> NUMBER | DESCRIPTION | QTY. |
| :---: | :---: | :---: | :---: |
| 1 | 1185 | THUMBSCREW | 1 |
| 2 | 1185 | NUT | 1 |
| 3 | 1442 | SPRING GUIDE SLEEVE | 1 |
| 4 | 1184 | PRESSURE SPRING | 1 |
| 5 | 1440 | FLANGE | 1 |
| 5 A | SHCS8-32X. 500 | SCREW | 2 |
| 6 | 1143 | FLANGE BASE | 1 |
| 7 | SHCS8-32X.250 | SCREW | 2 |
| 8 | 1142 | PRESSURE BAR COVER | 1 |
| 9 | 610940 | SCREW | 4 |
| 10 | 1256 | PRESURE BAR ASSY. | 1 |
| 11 | 1140 | PRESSURE BAR GUIDE BLOCK | 1 |
| 12 | 1187 | PRESSURE ROLLER | 1 |
| 12 A | 5133-12 | RETAINER | 1 |
| 13 | 1246 | TOP FEED MAIN SECTION | 1 |
| 14 | 1243 | TOP FEED FOOT | 1 |
| 15 | 618420 | SCREW | 1 |
| 16 | 1238 | WEAR STRIP | 1 |
| 17 | 1237 | WEAR STRIP CUSHION | 1 |
| 17 A | 610100 | SCREW | 1 |
| 18 | 1201 | TOP FEED HOLDER | 1 |
| 19 | 1209 | TOP FEED HOLDER NUTS | 2 |
| 20 | 619820 | SCREW | 2 |
| 21 | 1271 | ECCENTRIC STUD | 1 |
| 22 | SHCS4-40X. 375 | SCREW | 1 |
| 23 | 1236 | GUIDE BLOCK | 1 |
| 24 | SHCS8-32x.625 | SCREW | 1 |
| 25 | 1254 | LIFTER ASSY | 1 |
| 26 | 1206 | LIFTER PIN | 1 |
| 27 | 1247 | LIFTER ROLLER | 1 |
| 27 A | 5560-18 | RETAINER | 1 |
| 28 | 617440 | SCREW | 1 |
| 29 | 618340 | SCREW | 1 |
| 30 | 1166 | AUX-LIFTER ARM | 1 |
| 31 | DP3/16X.875 | AUX LIFTER ARM PIN | 1 |
| 32 | 1214 | CONNECTOR | 2 |
| 33 | HN8-32 | NUT | 2 |
| 34 | 2219 | KEYSTONE CONNECTOR | 1 |
| 35 | 5133-15 | RETAINER | 2 |



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        PFM 516 "ONLY"
WALKING FOOT MECHANISM
```

REF. PART
NO. NUMBER DESCRIPTION QTY.

| 1 | 1185 | THUMBSCREW |
| :---: | :---: | :---: |
| 2 | 1186 | THUMBSCREW NUT |
| 3 | 1730 | PRESSURE SPRING SLEEVE |
| 4 | 1737 | PRESSURE SPRING BASE |
| 5 | SHCS 8-32X. 125 | FLANGE SCREW |
| 6 | 1728 | PRESSURE SPRING MNTG.BLCK |
| 7 | SHCS8-32X. 500 | SCREW |
| 8 | 1184 | PRESURE SPRING |
| 9 | 1729 | PRESSER BAR |
| 11 | 1738 | NEEDLE DRIVE ARM |
| 11 A | 619400 | SCREW |
| 12 | 1719 | PIVOT PIN CONN. LINK |
| 13 | 1706 | LINK BEAM CONNECTOR |
| 14 | 1720 | PIVOT PIN (LONG) |
| 15 | 1739 | WALKING FOOT BEAM |
| 16 | 1912 | LINK TOP FEED CONNECTOR |
| 16 A | HLSS4-40X.078 | SCREW |
| 17 | 1271 | ECCENTRIC STUD |
| 18 | SHCS6-32X.500 | CLAMP SCREW |
| 19 | 1709 | PRESSER FOOT BEAM |
| 20 | 1724 | LOCATING STUD |
| 21 | 1725 | LOCATING BAR |
| 22 | PHMS 1/4-28X.750 | SCREW |
| 23 | 1712 | INSIDE RUBBING BLOCK |
| 24 | SHCS8-32X.500 | SCREW |
| 25 | SHCS 4-40X. 375 | CLAMP SCREW |
| 26 | 1708 | TOP FEED MAIN BEAM |
| 27 | 1718 | PIVOT PIN (SHORT) |
| 28 | 1201 | TOP FEED HOLDER |
| 29 | 1209 | TOP FEED HOLDER NUT |
| 30 | 619820 | TOP FEED HOLDER SCREW |
| 31 | 2055 | PRESSER FOOT EXTENSION |
| 32 | 2054 | PRESSER FOOT |
| 32 A | SHCS5-40X. 250 | SCREW |
| 33 | 2370 | WALKING TOP FEED FOOT |
| 34 | SHCS5-40X. 250 | SCREW |
| 35 | 618420 | WALKING FOOT SET SCREW |
| 36 | 1831 | RETAINING BLOCK REAR |
| 37 | HB10-32X.500 | SCREW |
| 38 | 2033 | RETAINING BLOCK (FRONT) |
| 39 | BHS 10-32X. 375 | SCREW |
| 40 | DP $3 / 16 \times .750$ | AUX.LIFTER ARM DOWEL PIN |
| 41 | 2368 | AUX.LIFTER ARM |
| 49 | 611620 | SCREW |
| 50 | 10001 | LINKAGE ASSEMBLY |



REF. PART

| NO. | NUMBER | DESCRIPTION | QTY |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
| 1 | 617140 | MACHINE ARM (RIGHT) | 1 |
| 2 | 618500 | SCREW | 4 |
| 3 | 610980 | PIN | 2 |
| 4 | 613580 | GASKET | 1 |
| 5 | 1936 | SIDE COVER (LEFT)515 | 1 |
| $5 A$ | 2367 | SIDE COVER (LEFT)516 | 1 |
| 6 | 619240 | SCREW | 1 |
| 7 | 619000 | SCREW | 2 |
| 10 | 610980 | PIN | 1 |
| 11 | 617380 | COVER PLATE | 1 |
| 12 | 619840 | SCREW | 6 |
| 13 | 614360 | PLUG | 1 |
| 14 | 619540 | SCREW | 2 |
| 15 | 614280 | OILFILTER | 1 |
| 16 | 614360 | PLUG | 1 |
| 17 | 612000 | OILSIGHT GAUGE | 1 |
| 20 | 612020 | BEDPIN | 1 |
| 21 | 611680 | SCREW | 4 |
| 22 | 617360 | PLUG | 1 |
| 23 | 619040 | SCREW | 1 |
| 24 | 611000 | WASHER | 1 |
|  |  |  |  |



REF. PART
NO. NUMBER

| 1 | 1735 |
| :--- | :--- |
| 2 | 616540 |
| 3 | 618340 |
| 4 | 616100 |
| 5 | 616120 |
| 6 | 618740 |
| 7 | 616180 |
| 8 | 616200 |
| 9 | 618740 |
| 10 | 616640 |
| 11 | 618340 |
| 12 | 617160 |
| 13 | 611760 |
| 14 | 611260 |
| 15 | 618600 |
| 16 | 613520 |
| 17 | 610200 |
| 18 | 610900 |
| 19 | 619160 |
| 20 | 619800 |
| 21 | 618280 |
| 22 | 616820 |
| 23 | 614340 |
| 24 | 1223 |

DESCRIPTION QTY.

BEDPLATE 1
GASKET 1
SCREW 8
BED COVER PLATE (RIGHT) 1
GASKET 1
SCREW 6
MACHINE BED BOTTOM COVER 1
OIL FILTER 1
SCREW
FACE PLATE 1
SCREW 3
CLOTH PLATE,COMPLETE 1
HINGE STUD THRUST WASHER I
HINGE STUD THRUST COLLAR 1
COLLAR SCREW 2
LOCK SPRING 1
LOCK SPRING SCREW 2
LOCK SPRIN SCREW WASHER 1
LOCK SPRING LATCH 1
STOP SCREW 1
STOP SCREW NUT 1
CUSHION (SMALL) 1
CUSHION (LARGE) I
OIL SHIELD 1

(2) MISCELLANEOUS COVERS

| $\begin{aligned} & \text { RE } \\ & \text { NO } \end{aligned}$ | PART NUMBER | DESCRIPTION | QTY. |
| :---: | :---: | :---: | :---: |
| 1 | 1795 | FABRIC GUARD 515 ONLY | 1 |
| 1 A | 4013 | FABRIC GUARD 516 ONLY | 2 |
| 3 | 614940 | NEEDLE BAR COVER | 1 |
| 4 | 611820 | HINGE PIN | 1 |
| 5 | 611860 | LOCK SPRING | 1 |
| 6 | 610220 | LOCK SPRING SCREW | 2 |
| 7 | 1156 | COVER LATCH | 1 |
| 8 | 618340 | LOCK SPRING LATCH SCREW | 1 |
| 10 | 610680 | CUSHION RUBBER | 1 |
| 11 | 615860 | TOP COVER | 1 |
| 12 | 618980 | SCREW | 4 |
| 13 | 616820 | CUSHION | 4 |
| 14 | 616060 | PLUG | 1 |
| 15 | 616800 | GASKET | 1 |
| 16 | 614820 | OIL SPLASH SIGHT WINDOW | 1 |
| 17 | 614840 | '0' RING | 1 |
| 18 | 614860 | FRONT COVER (RIGHT) | 1 |
| 19 | 616240 | FRONT COVER (LEFT) | 1 |
| 20 | 610140 | SCREW | 2 |
| 21 | 614880 | HINGE | 1 |
| 22 | 610180 | HINGE SCREW (SHORT) | 3 |
| 23 | 610400 | HINGE SCREW WASHER | 3 |
| 24 | 614900 | HINGE PIN | 1 |
| 25 | 610920 | HINGE PIN STOP RING | 1 |
| 26 | 618920 | STOP SCREW | 1 |
| 27 | 614920 | HINGE SPRING | 1 |
| 28 | 618660 | HINGE SCREW (LONG) | 1 |
| 29 | 618820 | HINGE SCREW (LONG) NUT | 1 |
| 30 | 613960 | OIL COOLER COVER | 1 |
| 31 | 618560 | SCREW | 3 |
| 32 | 615060 | OIL SHIELD | 1 |
| 33 | 618940 | SCREW | 1 |
| 34 | 613540 | CUSHION RUBBER (LEFT) | 1 |
| 35 | 618400 | SCREW | 3 |
| 36 | 613560 | CUSHION RUBBER (FRONT) | 1 |
| 37 | 610540 | LOOPER THREAD EYELET | 1 |
| 38 | 618640 | SCREW | 1 |
| 39 | 611060 | LEFT LOOPER THREAD EYELET | 1 |
| 40 | 611140 | LEFT LOOPER THREAD TUBE | 1 |
| 41 | 611060 | LEFT LOOPER THREAD EYELET | 1 |
| 42 | 611140 | LEFT LOOPER THREAD TUBE | 1 |
| 43 | 611080 | LOOPER THREAD EYELET | 1 |
| 44 | 613940 | STITCH INDICATOR | 1 |
| 45 | 614500 | RIVET | 1 |
| 46 | 614420 | MACHINE COVER (LEFT) | 1 |
| 47 | 618640 | SCREW (SHORT) | 2 |
| 48 | 619060 | SCREW (LONG) | 1 |
| 49 | 614440 | SPACER | 1 |
| 50 | 618120 | SPACER SCREW | 1 |
| 51 | 611640 | SPACER SCREW WASHER | 1 |
| 52 | 616080 | INDICATION PLATE | 1 |
| 53 | 1158 | COVER BRACKET | 1 |
| 54 | 1207 | GUARD COVER | 1 |



| $R E F \cdot$ | PART |
| :--- | :--- |
| NO. | NUMBER |
|  |  |
|  |  |
| 1 | 616140 |
| 2 | 619440 |
| 3 | 611580 |
| 4 | 612040 |
| 5 | 614580 |
| 6 | 619660 |
| 7 | 613680 |
| 8 | 614260 |
| 9 | 614520 |
| 10 | 613840 |
| 11 | 612060 |
| 12 | 611680 |
| 13 | 612080 |
| 14 | 610080 |
| 15 | 619300 |
| 16 | 611480 |
| 17 | 612100 |
| 18 | 612120 |
| 19 | 612140 |
| 20 | 612160 |
| 21 | 612180 |
| 22 | 618740 |
| 23 | 619260 |
| 24 | 612200 |
| 25 | 615520 |
| 26 | 615540 |
| 27 | 612220 |
| 28 | 618520 |
| 29 | 618540 |
| 30 | 612240 |
| 31 | 619340 |
| 32 | 616020 |
| 33 | 618360 |
|  |  |
|  |  |

DESCRIPTION QTY.

CRANKSHAFT
OIL PLUG SCREW
OIL WICK
BALL BEARING LEFT 1
BALL BEARING LEFT HOUSING
HOUSING SCREW
HOUSING GASKET
RETAINING RING
EXTENSION
EXTENSION WASHER I
BUSHING
BUSHING SCREW
BUSHING CENTER
SCREW2

BUSHING CENTER SCREW 1
BALL BEARING (CENTER) 1

```
WASHER
```

SPACER 1
BALL BEARING(RIGHT) I
PLATE
GASKET 1
SCREW 4

SCREW 1
WASHER 1
OIL SEAL COLLAR I
OIL SEAL COLLAR 'O'RING 1
MACHINE PULLEY 1
POSITION SCREW 1
SCREW 1
COLLAR 1
COLLAR SCREW 1
CAP 1
CAP SCREW 3


REF. PART

| NO. | number | DESCRIPTION | QTY. |
| :---: | :---: | :---: | :---: |
| 1 | 612260 | NEEDLE BAR DRIVE CONN. | 1 |
| 2 | 619200 | CAP SCREW | 2 |
| 3 | 614760 | PIN | 1 |
| 4 | 619220 | PIN SCREW | 1 |
| 5 | 611440 | NEEDLE BAR DRIVE CRANK | 1 |
| 7 | 619700 | CLAMP SCREW | 1 |
| 8 | 615400 | NEEDLE BAR DRIVE SHAFT | 1 |
| 9 | 615420 | BUSHING (LEFT) | 1 |
| 10 | 615460 | BUSHING (LEFT) OIL SEAL | 1 |
| 11 | 615440 | BUSHING (RIGHT) | 1 |
| 12 | 611220 | THRUST COLLAR | 1 |
| 13 | 618600 | THRUST COLLAR SCREW | 1 |
| 14 | 614240 | NEEDLE GUARD BRACKET | 1 |
| 15 | 618700 | SCREW (LARGE) | 1 |
| 16 | 619120 | SCREW (SMALL) | 1 |
| 17 | 613980 | RIGHT LOOPER THREAD TUBE | 1 |
| 18 | 614200 | OVERLOCK NDL.GRD.(REAR) | 1 |
| 19 | 618380 | SCREW | 2 |
| 20 | 614220 | NEEDLE GUARD (FRONT) | 1 |
| 21 | 618420 | SCREW | 2 |
| 22 | 614800 | EYE GUARD COMPLETE | 2 |
| 23 | 614780 | PLASTIC EYE GUARD ONLY | 1 |
| 24 | 610120 | SCREW | 2 |
| 25 | 610400 | WASHER | 2 |
| 26 | 618320 | NUT | 2 |
| 38 | 1198 | FRONT NEEDLE GUARD | , |
| 39 | 1197 | REAR NEEDLE GUARD | 1 |
| 40 | SHCS6-32X. 375 | SCREW |  |
| 41 | 1196 | NEEDLE GUARD BRACKET | 1 |
| 42 | HHB10-32X. 500 | BOLT | 2 |
| 44 | 616880 | NDL. THREAD TENSION COMP. | 1 |
| 45 | 616680 | NUT | 1 |
| 46 | 616700 | SPRING BUSHING | 1 |
| 47 | 611040 | SPRING (HEAVY) | , |
| 48 | 611120 | SPRING (LIGHT) | 1 |
| 49 | 616740 | SPRING CUP | 1 |
| 50 | 611460 | DISC. | 2 |
| 51 | 616720 | CUSHION FELT | 1 |
| 52 | 618880 | POST | , |
| 53 | 618800 | POST LOCK NUT | 1 |
| 54 | 615880 | GUIDE | 1 |
| 55 | 616840 | NEEDLE THRD.TENSION COMP. | , |
| 56 57 | 611040 618560 | SPRING (HEAVY) | , |



REF. PART
NO. NUMBER
$\begin{array}{ll}1 & 615440 \\ 2 & 612260 \\ 3 & 619200 \\ 4 & 614760 \\ 5 & 619220 \\ 6 & 611440 \\ 7 & 619700 \\ 9 & 611220 \\ 10 & 619520 \\ 11 & 615420 \\ 12 & 615460 \\ 13 & 615400 \\ 14 & 616560 \\ 14 A & 1738\end{array}$
$15 \quad 611620$
$16 \quad 619420$
17616580
$17 \mathrm{~B} \quad \mathrm{X}-1001$
18610960
19619400
20611600
21617240
22610420
23610740
24613900
$25 \quad 617420$
$26 \quad 616600$
27610060
28613920
29617220
30617200
31618440
32617280
$33 \quad 617300$
$34 \quad 617320$
38 PSM-130
39 PSM-130
41619400
42614040
$44 \quad 619640$
45611720
$46 \quad 610760$
$47 \quad 617340$
48629860
49611880
$50 \quad 610135$
52614060
531253
54 SHCS8-32X1.125
551210
$56 \quad 1160$ A
$57 \quad 610560$
$58 \quad 1225$
$59 \quad 617400$
$60 \quad 619440$

| DESCRIPTION | QT |
| :---: | :---: |
| BUSHING (RIGHT) | 1 |
| CONNECTION | 1 |
| SCREW | 2 |
| PIN | 1 |
| SCREW | 1 |
| CRANK (REAR) | 1 |
| SCREW | 1 |
| THRUST WASHER | 1 |
| SCREW | 2 |
| BUSHING (LEFT) | 1 |
| OIL SEAL | 1 |
| SHAFT | 1 |
| CRANK (FRONT) 516 ONLY | 1 |
| CRANK (FRONT) 516 ONLY | 1 |
| SCREW | 1 |
| SCREW | 1 |
| LINK | 1 |
| LINK | 1 |
| PIN | 2 |
| SCREW | 2 |
| OIL WICK | 2 |
| CAP | 1 |
| SCREW | 1 |
| '0' RING | 2 |
| BUSHING UPPER | 2 |
| OIL WICK | 1 |
| NEEDLE BAR CLAMP | 2 |
| SCREW | 2 |
| BUSHING (LOWER) | 2 |
| OIL FELT | 1 |
| DUST SHIELD | 1 |
| SCREW | 2 |
| NEEDLE BAR | 2 |
| NEEDLE HOLDER | 1 |
| NEEDLE HOLDER | 1 |
| NEEDLE/CHAINSTITCH | 1 |
| NEEDLE/ OVERLOCK | 1 |
| SCREW | 2 |
| RETAINER BRACKET | 1 |
| SCREW | 1 |
| GUIDE | 1 |
| GUIDE | 1 |
| SPRING | 1 |
| SCREW | 1 |
| TAKEUP | 1 |
| SCREW | 2 |
| THREAD GUIDE | 1 |
| NEEDLE BAR SUPPORT ASSY. | 1 |
| NEEDLE BAR SUPPORT SCREWS | 2 |
| CONNECTING LINK PIN | 1 |
| NEEDLE BAR CAP | 1 |
| SCREW | 2 |
| NEEDLE PLATE | 1 |
| NeEdLe plate chain finger | 1 |
| SCREW | 1 |

QTY.
1
SCREW1
SCREWCRANK (REAR)THRUST WASHER1
SCREW1
OIL SEALSHAFT 1CRANK (FRONT) 516 ONLY 1
CRANK (FRONT) 516 ONLY
SCREW
SCREW
LINK
PIN
2
SCREW 2
OIL WICK 2
CAP 1
SCREW
1
'O' RING 2
BUSHING UPPER 2
OIL WICK 1
NEEDLE BAR CLAMP 2
SCREW 2
BUSHING (LOWER) 2
OIL FELT 1
DUST SHIELD 1
NEEDLE BAR
NEEDLE HOLDER 1
NEEDLE HOLDER 1
NEEDLE/CHAINSTITCH 1
NEEDLE/OVERLOCK 1
SCREW
NER BRACKET
GUIDE 1
GUIDE 1
SPRING 1
SCREW 1
1
THREAD GUIDE 1
NEEDLE BAR SUPPORT ASSY.
NEEDLE BAR SUPPORT SCREWS
CONNECTING LINK PIN 1
NEEDLE BAR CAP
NEEDLE PLATE 1
NEEDLE PLATE CHATN FINGER


| REF. | PART |
| :--- | :--- |
| NO. | NUMBER |
|  |  |
| 1 |  |
| 2 | 616160 |
| 3 | 617600 |
| 4 | 610040 |
| 5 | 612280 |
| 6 | 611620 |
| 7 | 610020 |
| 8 | 611640 |
| 9 | 612400 |
| 10 | 612640 |
| 11 | 617540 |
| 12 | 611640 |
| 13 | 615760 |
| 14 | 612300 |
| 15 | 612440 |
| 16 | 616620 |
| 17 | 612340 |
| 18 | 619280 |
| 19 | 619380 |
| 20 | 611560 |
| 21 | 615480 |
| 22 | 618600 |
| 23 | 615840 |
| 24 | 618940 |
| 25 | 616000 |
| 26 | 615100 |
| 27 | 613600 |
| $*$ | 614400 |
| 28 | 612380 |
| 29 | 612360 |
| 30 | 618600 |
| 31 | 615220 |
| 32 | 610100 |
| 33 | 617080 |
| 34 | 617060 |
| 35 | 614020 |
| 36 | 610700 |
| 46 | 616660 |
| 47 | 618120 |
| 48 | 614640 |
| 49 | 618200 |
| 50 | 611960 |
| 51 | 614660 |
| 52 | 618140 |
|  |  |

DESCRIPTION QTY.

```
RIGHT LOOPER DRIVE CONN. I
CAP SCREW (LARGE) 2
CAP SCREW (SMALL) 2
CRANK 1
CRANK SCREW 2
GUIDE I
GUIDE SCREW 1
GUIDE SCREW WASHER 1
RIGHT LOOPER DRIVE SHAFT 1
THRUST WASHER 1
THRUST WASHER SCREW 1
WASHER 1
BUSHING (FRONT) 1
BUSHING (FRONT) OIL SEAL I
BUSHING (CENTER) 1
BUSHING (REAR) 1
RIGHT LOOPER LEVER CRANK I
CLAMP SCREW I
CLAMP SCREW NUT I
CLAMP SCREW NUT WASHER 1
PIN
PIN SCREW 1
SET PLATE 1
SET PLATE SCREW 1
RIGHT LOOPER LEVER 1
GUIDE 1
OIL FELT 2
ASSY., REF. # 28, 29, 30 1
HOUSING
BUSHING (FRONT) 1
BUSHING FRONT SCREW 1
HOUSING CAP 1
HOUSING CAP SCREW 2
BUSHING (REAR) 1
CAP
SPREADER 1
CLAMP SCREW 1
THREAD TAKEUP 1
SCREW 1
AUXILIARY 1
AUXILIARY SCREW 1
AUXILIARY SCREW WASHER 1
THREAD GUIDE WIRE 1
SCREW 1
```



| $\begin{aligned} & \text { REF. } \\ & \text { NO. } \end{aligned}$ | PART <br> NUMBER | DESCRIPTION |
| :---: | :---: | :---: |
| 1 | 616160 | LEFT LOOPER DRIVE CONN. |
| 2 | 617600 | CAP SCREW (LARGE) |
| 3 | 610040 | CAP SCREW (SMALL) |
| 4 | 611160 | GUIDE |
| 5 | 610020 | GUIDE SCREW |
| 6 | 611640 | GUIDE SCREW WASHER |
| 7 | 615240 | LEFT LOOPER DRIVE CRANK |
| 8 | 611620 | SCREW |
| 9 | 614260 | THRUST WASHER |
| 10 | 612400 | LEFT LOOPER LEVER SHAFT |
| 11 | 613660 | THRUST WASHER |
| 12 | 617540 | THRUST WASHER SCREW |
| 13 | 611640 | WASHER |
| 14 | 615780 | BUSHING (FRONT) |
| 15 | 612300 | BUSHING FRONT OIL SEAT |
| 16 | 612320 | BUSHING (REAR) |
| 17 | 614000 | LEFT LOOPER LEVER |
| 18 | 619360 | CLAMP SCREW |
| 19 | 613640 | CLAMP SCREW WASHER |
| 20 | x-1002 | LEFT LOOPER |
| 21 | 610120 | SCREW |
| 22 | 616860 | ThREAD TENSION COMPLETE |
| 23 | 616680 | NUT |
| 24 | 616700 | SPRING BUSHING |
| 25 | 611180 | SPRING (MIDDLE) |
| 26 | 616740 | SPRING CUP |
| 27 | 611460 | DISC |
| 28 | 616720 | CUSHION FELT |
| 29 | 618560 | POST |
| 30 | 611920 | GUIDE |
| 31 | 614620 | LEFT LOOPER Thread takeup |
| 32 | 618120 | SCREW |
| 33 | 610660 | THREAD GUIDE WIRE |


(1) CHAINSTITCH LOOPER MECHANISM

| $\begin{aligned} & \text { REF. } \\ & \text { NO. } \end{aligned}$ | PART <br> NuMBER | DESCRIPTION | QTY. |
| :---: | :---: | :---: | :---: |
| 1 | 615260 | LOOPER DRIVE CRANK | 1 |
| 2 | 619700 | CLAMP SCREW | 1 |
| 3 | 615280 | LINK | 1 |
| 4 | 615300 | LINK PIN | 2 |
| 5 | 618780 | LINK PIN SCREW | 2 |
| 6 | 618600 | LINK PIN SCREW | 1 |
| 7 | 611600 | OIL WICK | 2 |
| 8 | 615320 | LOOPER DRIVE SHAFT | 1 |
| 9 | 615820 | BUSHING FRONT | 1 |
| 10 | 612300 | BUSHING FRONT OIL SEAT | 1 |
| 11 | 612440 | BUSHING REAR | 1 |
| 12 | 614960 | LOOPER AVOIDING LINK | 1 |
| 13 | 619720 | SCREW | 2 |
| 14 | 614980 | PIN | 1 |
| 15 | 615000 | BLOCK | 1 |
| 16 | 619400 | BLOCK SCREW | 1 |
| 17 | 615020 | THRUST WASHER | 1 |
| 18 | 615040 | COLLAR | 1 |
| 19 | 618600 | collar screw | 1 |
| 20 | 619620 | NUT | 1 |
| 21 | 612520 | LOOPER LEVER | 1 |
| 22 | 619360 | CLAMP SCREW | 1 |
| 23 | 613640 | CLAMP SCREW WASHER | 1 |
| 24 | 613760 | LOOPER | 1 |
| 25 | 610140 | SCREW | 1 |
| 26 | 613200 | REGULATOR | 1 |
| 27 | 610360 | REGULATOR SCREW | 2 |

79
P18:

19



(2) CHAINSTITCH LOOPER MECHANISM

| $\begin{aligned} & \text { REF. } \\ & \text { NO. } \end{aligned}$ | PART <br> NUMBER | DESCRIPTION |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 612460 | LOOPER | AVOIDING | G ACTION |  | 1 |
| 2 | 615080 | PIN |  |  |  | 1 |
| 3 | 613840 | PIN WAS | HER |  |  | 1 |
| 4 | 618680 | PIN NUT |  |  |  | 1 |
| 5 | 611700 | PIN NUT | WASHER |  |  | 1 |
| 6 | 613640 | PIN NUT | SPRING | WASHER |  | 1 |
| 7 | 619560 | REGULAT | ING SCRE |  |  | 1 |
| 8 | 613820 | PLATE |  |  |  | 1 |
| 9 | 618220 | PLATE S | SCREW |  |  | 2 |
| 10 | 612480 | NEEDLE | BEARING |  |  | 1 |
| 11 | 613800 | LOOPER | AVOIDING | G CRANK |  | 1 |
| 12 | 619700 | CLAMP S | SCREW |  |  | 1 |
| 13 | 614540 | LOOPER | AVOIDING | G SHAFT |  | 1 |
| 14 | 614560 | BUSHING | (LEFT) |  |  | 1 |
| 15 | 612500 | BUSHING | (RIGHT) |  |  | 1 |
| 16 | 611100 | THRUST | COLLAR |  |  | 2 |
| 17 | 618600 | THRUST | collar s | SCREW |  | 4 |
| 18 | 616480 | ECCENTR | RIC COLLA |  |  | 1 |
| 19 | 619780 | SCREW |  |  |  | 2 |
| 20 | 618300 | LOOPER | THREAD TE | TENSION | NUT | 1 |
| 21 | 610520 | SPRING |  |  |  | 1 |
| 22 | 611460 | DISC |  |  |  | 2 |
| 23 | 610500 | POST |  |  |  | 1 |
| 24 | 611920 | GUIDE |  |  |  | 1 |
| 25 | 612540 | LOOPER | THREAD TA | TAKEUP |  | 1 |
| 26 | 619400 | SCREW |  |  |  | 2 |
| 27 | 612560 | GUIDE |  |  |  | 1 |
| 28 | 612580 | LOOPER | THREAD G | GUIDE BR | KT. | 1 |
| 29 | 618340 | SCREW L | ONG) |  |  | 1 |
| 30 | 618720 | SCREW | SHORT) |  |  | 1 |
| 31 | 613700 | TAKEUP | EYELET |  |  | 2 |
| 32 | 618480 | SCREW |  |  |  | 2 |
| 33 | 616220 | LOOPER | THREAD G | GUIDE |  | 1 |
| 34 | 618720 | SCREW |  |  |  | 1 |
| 35 | 612600 | LOOPER | THREAD T | TUBE |  | 1 |
| 36 | 610420 | SCREW |  |  |  | 1 |



REF. PART
NO. NUMBER
DESCRIPTION
QTY.

| 1 | 612620 |
| :---: | :---: |
| 2 | 614760 |
| 3 | 618600 |
| 4 | 612480 |
| 5 | 1231 |
| 5 | 619700 |
| 7 | 615640 |
| 8 | 619420 |
| 9 | 615680 |
| 10 | 615340 |
| 11 | 613740 |
| 12 | 615360 |
| 13 | 615380 |
| 14 | 610160 |
| 15 | 616300 |
| 16 | 615660 |
| 17 | 616040 |
| 18 | 610120 |
| 19 | 616320 |
| * | 616340 |
| 20 | 616380 |
| 21 | 616360 |
| 22 | 616400 |
| 23 | 616760 |
| 24 | 619580 |
| * | 616420 |
| 25 | 616460 |
| 26 | 616440 |
| 27 | 619680 |
| 28 | 619420 |
| 29 | 616500 |
| 30 | 619760 |
| 31 | 616520 |
| 32 | 616900 |
| 33 | 613320 |
| 34 | 614100 |
| 35 | 615800 |
| 36 | 612300 |
| 37 | 614120 |
| 38 | 618600 |
| 39 | 612800 |
| 40 | 619700 |
| 41 | 612820 |
| 42 | 619460 |
| 43 | 611740 |
| 44 | 614140 |
| 45 | 618760 |
| 46 | 614600 |
| 47 | 610200 |
| 48 | 612840 |
| 49 | 618760 |
| 50 | 612860 |
| 51 | 619500 |
| 52 | 514480 |
| 53 | 611940 |
| 54 | 614160 |
| 55 | 614180 |
| 56 | 614460 |



- (2) MAIN \& DIFFERENT:AL FEED MECHANISM

| $\begin{aligned} & \text { REF. } \\ & \text { NO. } \end{aligned}$ | PAR ${ }^{-}$ NUMBER | DESCRIPTION |
| :---: | :---: | :---: |
| 2 | 654080 | FEED BAR SHEF! |
| 2 | 512640 | THRUST WASHER |
| 2 | 618340 | THRUST WASHER SCPEW |
| 4 | 612320 | BUSHING |
| 5 | 611100 | THRUST COLLAR |
| 6 | 518600 | THRUS: COLIAR SCREW |
| 7 | 615700 | REGULATING CRANK |
| 8 | 619700 | CLAMP SCREW |
| 9 | 612560 | MAIN FEED CONN. LINK |
| 10 | 013180 | OIL FELT |
| 11 | 613860 | OIL FELT RETAINER |
| 12 | 615720 | $P: N$ |
| 13 | 619740 | PIN NUT |
| 14 | 015740 | PIN NUT WASHER |
| 15 | 612680 | BUSHING |
| 16 | 619140 | BUSHING SCREW |
| 17 | 612700 | BUSHING SCREW WASHER |
| 18 | 615560 | DIFF.FEED REG.(COMPLETE) |
| 19 | 615580 | SEGMENT |
| 20 | 619700 | SEGMENT CLAMP SCREW |
| 21 | 615600 | BLOCK |
| 22 | 615620 | BLOCK COVER |
| 23 | 618420 | BLOCK COVER SCREW |
| 24 | 618860 | BLOCK STOP SCREW |
| 25 | 612720 | CONNECTING LINK |
| 26 | 612680 | BUSH:NG |
| 27 | 619140 | BUSHING SCREW |
| 28 | 612700 | BUSHING SCREW WASHER |
| 29 | 2885 | FEED BAR |
| 30 | 612740 | DIFFERENTIAL FEED BAR |
| 31 | 612760 | FEED BAR HINGE PIN |
| 32 | 618600 | SCREW |
| 33 | 613780 | WASHER |
| 34 | 619480 | WASHER SCREW |
| 35 | 612780 | FEED BAR GUIDE BUSHING |
| 36 | 617440 | SCREW |
| 37 | 614320 | LIFT BLOCK (SPLIT) |
| 38 | 611200 | FEED BAR GUIDE BLOCK |
| 39 | 615140 | FEED BAR GUIDE (RIGHT) |
| 40 | 619080 | SCREW |
| 41 | 615120 | FEED BAR GUIDE |
| 42 | 619080 | SCREW |
| 43 | 615200 | GASKET |
| 44 | 615160 | FEED BAR OIL SPLASH GUARD |
| 45 | 615180 | INSERT PLATE |
| 46 | 619600 | SCREW |
| 47 | 1224 | MAIN FEED DOG |
| 48 | 610100 | SCREW |
| 49 | 1173 | DIFFERENTIAL FEED DOG |
| 50 | 610120 | SCREW |
| 51 | 1175 | DIFFERENT:AL FEED STOP |
| 52 | HLN3-32 | NUT |
| 53 | SHCS5-32X.500 | SCREW |



## UPPER \& LOWER KNIFE MECHANISM

| R'PF. | PART |
| :--- | :--- |
| NO. | NUMBER |
|  |  |
| 1 | 612880 |
| 2 | 6199200 |
| 3 | 612900 |
| 4 | 610440 |
| 5 | 613000 |
| 6 | 619700 |
| 7 | 617260 |
| $7 A$ | 1833 |
| 8 | 613020 |
| 9 | 613040 |
| 10 | 611500 |
| 11 | 618460 |
| 12 | 611240 |
| 13 | 1170 |
| 14 | 618620 |
| 15 | 610480 |
| 16 | 615260 |
| 17 | 610100 |
| 18 | 613060 |
| 19 | 616280 |
| 20 | 618340. |
| 21 | 613080 |
| 22 | 613100 |
| 23 | 618740 |
| 24 | 613120 |
| 25 | 610100 |
| 26 | 613140 |
| 27 | 613720 |
| 28 | 613160 |
| 29 | 619320 |
| 30 | 610780 |
| 31 | 1799 |

```
OESCRIPT:ON
QTY.
```

UPPER KNIFE DRIVE CONN. 1
CAP SCREW 2
PIN 1
PIN SCREW 1
UPPER KNIFE DRIVE CRANK I
CLAMP SCREW 1
UPPER KNIFE LEV. -515 ONLY 1
UPPER KNIFE LEV.-516 ONLY 1
BUSHING (LEFT) I
BUSHING (RIGHT) I
THRUST COLLAR I
THRUST COLLAR SCREW 2
UPPER KNIFE-CARB. TIPPED 1
TRIM SHEILD 1
SCREW I
SCREW WASHER I
UPPER KNIFE CLAMP 1
SCREW 2
PIN 1
LOWER KNIFE HOLDER 1
SCREW 1
SPRING 1
SPRING SEAT 1
SPRING SEAT SCREW 2
GUIDE I
GUIDE SCREW 1
LOWER KNIFE 1
LOWER KNIFE,CARB.TIPPED I
CLAMP STUD l
CLAMP STUD NUT l
CLAMP STUD NUT WASHER 1
UP. KNIFE SPACER-516 ONLY


PFM 515 "ONLY"<br>PRESSER FOOT \& LIFT MECHAN!SM

| REF. | PART |
| :--- | :--- |
| NO. | NUMBER |
|  |  |
| l |  |
| 4 | I151 |
| 5 | 617040 |
| 14 | 616960 |
| 15 | 616980 |
| 16 | 617440 |
| 17 | 611100 |
| 18 | 610420 |
| 19 | 615900 |
| 20 | 611620 |
| 21 | 615920 |
| 22 | 615940 |
| 23 | 611900 |
| 24 | 619480 |
| 25 | 617000 |
| 26 | 616780 |
| 27 | 617020 |
| 28 | 617180 |
| 29 | 617100 |
| 30 | 611780 |
| 31 | 617120 |
| 32 | 618420 |
| 33 | 611800 |
| 34 | 611420 |
| 35 | 613220 |
| 36 | 610180 |
| 37 | 619180 |
| 38 | 611840 |
| 39 | 618760 |
| 40 | 613240 |
| 41 | 614680 |
| 42 | 614700 |
| 43 | 615960 |
| 44 | 618160 |
| 45 | 1161 |
| 46 | 616920 |
| 47 | 619100 |
| 48 | 618780 |
| 49 | 616940 |
| 50 | 906 |
| 52 | 1150 |
| 53 | 11619 |
|  |  |



QTY.

```
PRESSER FOOT ARM
1
```

HINGE PIN 1
HINGE PIN SCREW 1
FOOT LIFT LEVER SHAFT I
BUSHING, COMPLETE I
BUSHING SCREW 1

- 1
LEVER 1
SCREW 1
PIN 1
$P: N$ SPRING I
PI WASHER 1
PRESSER BAR,COMP. 1
GUIDE 1
PRESSER BAR GUIDE 1
THUMB SCREW 1
HAND LIFT LEVER 1
SPRING PLUNGER
BUSHING SCREW 1
HINGE PIN 1
SPRING 1
FOOT LIFT LEVER 1
REGULATOR 1
REGULATOR SCREW 1
SPRING 1
FOOT LIFT CAM I
REGUIATING SCREW STUD
STOP SCREW 2
PRESSER FOOT 1
PRESSER FOOT SHANK 1
PRESSER FOOT PIN SCREW I
PRESSER FOOT PIN SCREW 1
PRESSER FOOT PIN 1
PRESSER FOOT ROLLER 1
PRESSER FOOT ROLLER BRKT.
SCREW
1



# PFM 516 "ONLY" <br> PRESSER FOOT \& LIFT MECHANISM 

REF. PART
NO. NUMBER DESCRIPTION QTY.

| 1 | 1151 | PRESSER ARM |  |
| :---: | :---: | :---: | :---: |
| 2 | 2058 | PRESSER FOOT PIVOT | STUD |
| 3 | 2059 | PRESSER FOOT PIVOT | BRKT. |
| 4 | 617040 | HINGE PIN |  |
| 5 | 619020 | SCREW |  |
| 6 | 2057 | LIFT CRANK ARM |  |
| 7 | SCHS10-32X. 500 | SCREW |  |
| 8 | 2368 | AUX. LIFTER ARM |  |
| 9 | 2130 | PIVOT BLOCK |  |
| 10 | 2128 | PULL ROD |  |
| 11 | 2129 | SPRING GUIDE |  |
| 12 | LC-030-D16 | SPRING |  |
| 13 | HN10-32 | NUT |  |
| 14 | D850-PIN | PIN ONLY, FOR D850 |  |
| 15 | D850 | CLEVIS |  |
| 16 | 5133-18 | RETAINER |  |
| 17 | 2061 | AUX. PRESSER FOOT |  |
| 18 | SHCS5-40X. 500 | SCREW |  |



REF. PART
NO. NUMBER

1613380
2613420
3610100
4613400
5618260
$6 \quad 613440$
$7 \quad 610860$
$8 \quad 610820$
$9 \quad 611360$
10611980
11613460
12611520
13611540
14613340
15611616
$16 \quad 613880$
17613360
18618460
$19 \quad 613260$
20618900
21617265
22611320
$25 \quad 613300$
$26 \quad 610440$
$27 \quad 611280$
$28 \quad 618740$
29613320
$30 \quad 611380$
31611400
32618660
$33 \quad 618740$
$34 \quad 614810$
$35 \quad 613480$
$36 \quad 610860$
$37 \quad 611615$
38610800
$39 \quad 615500$
$40 \quad 615980$
41611465
42618840
43611660
44618960
$45 \quad 614300$
$46 \quad 617350$

DESCRIPTION QTY.

COOLER ASSEMBLY 1
GASKET 2
SCREW 8
CLAMP
SCREW
DISTRIBUTOR
OIL SPLASH SCREW
WASHER
SCREW
PLUG
OIL SPLASH PIPE COMPLETE
OIL SPLASH SCREW
1

WASHER 2
WORM
SCREW 1
GEAR PUMP COMPLETE 1
WORM WHEEL
1
SCREW
2
CASING COMPLETE I
SCREW
1
PUMP GEAR (RIGHT) 1
PUMP GEAR (LEFT) 1
PUMP GEAR SHAFT 1
SCREW
2
PLATE
1
SCREW 1
"O" RING 1
FILTER COMPLETE 1
FRAME/FILTER 1
SCREW 2
SCREW 1
OIL TUBE 1
OIL SPLASH JOINT 1
OIL SPLASH SCREW 1
TUBE CLAMP 2
NIPPLE 1
OIL RESERVOIR 1
GASKET 1
OIL PAN SCREEN 1
SCREW 1
WASHER 1
BOLT 6
WASHER 6
TUBE COMPLETE I


88

THREAD STAND

| $\begin{aligned} & \text { REF. } \\ & \text { NO. } \end{aligned}$ | PART <br> NUMBER | DESCRIPTION |  |  |  | QTY. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 617460 | THREAD | StAND | D UPPER | R ROD | 1 |
| 2 | 617480 | NUT |  |  |  | 1 |
| 3 | 617500 | THREAD | STAND | D LOWE | R ROD | 1 |
| 4 | 617520 | SP00L | PIN BR | RACKET |  | 2 |
| 6 | 617560 | SPOOL | PIN BR | RACKET |  | 1 |
| 7 | 617580 | CLAMP | SCREW |  |  | 2 |
| 8 | 617620 | CLAMP | SCREW | NUT |  | 2 |
| 9 | 617640 | SPOOL | PIN |  |  | 6 |
| 10 | 617660 | WASHER |  |  |  | 6 |
| 11 | 617680 | NUT SP | Pring W | WASHER |  | 6 |
| 12 | 617700 | NUT |  |  |  | 6 |
| 13 | 617720 | SPOOL | TRAY |  |  | 6 |
| 14 | 617740 | SPOOL | RETAIN | NING F | IN | 6 |
| 15 | 617760 | ROD BR | ACKET |  |  | 1 |
| 16 | 617780 | CLAMP | SCREW |  |  | 1 |
| 17 | 517800 | CLAMP | SCREW | NUT |  | 1 |
| 18 | 618180 | Thread | GUIDE | E BAR | ROD | 1 |
| 19 | 617780 | SCREW |  |  |  | 1 |
| 20 | 617800 | SCREW | NUT |  |  | 1 |
| 21 | 617820 | RETAIN | NING BL | LOCK |  | 1 |
| 22 | 617780 | CLAMP | SCREW |  |  | 1 |
| 23 | 617800 | CLAMP | SCREW | NUT |  | 1 |
| 24 | 518240 | THREAD | GUIDE | E BAR |  | 1 |
| 25 | 617780 | CLAMP | SCREW |  |  | 1 |
| 26 | 617800 | CLAMP | SCREW | NUT |  | 1 |
| 27 | 617840 | THREAD | GUIDE | W WIRE | (LONG) | 4 |
| 28 | 617860 | LOCK N | NuT |  |  | 4 |
| 29 | 617880 | THREAD | GUIDE | E WIRE | (SHORT) | 2 |
| 30 | 617860 | LOCK N | NUT |  |  | 2 |
| 31 | 617900 | WIRE H | OLDER |  |  | 1 |
| 32 | 617900 | SCREW |  |  |  | 1 |
| 33 | 617920 | THREAD | STAND | D BASE |  | 1 |
| 34 | 617940 | WOOD S | SCREW |  |  | 3 |
| 35 | 617960 | ROD SC | SREW |  |  | 2 |
| 36 | 618100 | THREAD | STD C | COMPLE |  | 1 |



ACCESSORIES

| REF. | PART |
| :--- | :--- |
| NO. | NUMBER |
|  |  |
| 1 | 610340 |
| 2 | 610320 |
| 3 | 610380 |
| 4 | 610580 |
| 5 | 618080 |
| 6 | 618060 |
| 7 | 618040 |
| 8 | 618020 |
| 9 | 618000 |
| 10 | 610260 |
| 11 | 610280 |
| 12 | 610600 |
| 13 | 610640 |
| 14 | 610720 |
| 16 | 610300 |
| 17 | 610460 |
| 18 | 617980 |
| 19 | 610240 |
| 23 | 614720 |
| 24 | 614740 |
| 25 | 618740 |

DESCRIPTION QTY.
$\begin{array}{ll}\text { OIL CONTATNER } & 1 \\ \text { OILER }\end{array}$
OIL FUNNEL 1
LUBRICANT CONTAINER 1
WRENCH ( 9.5 mm ) 1
WRENCH ( 8 mm ) 1
WRENCH ( 7 mm ) 1
WRENCH ( 6 mm ) 1
WRENCH ( 5 mm ) I
SCREWDRIVER (LARGE) I
SCREWDRIVER (MEDIUM) 1
ALLEN WRENCH
ALLEN KEY ( 3.17 mm ) I
ALLEN KEY $(4.76 \mathrm{~mm}) \quad 1$
TWEEZERS
THREADING WIRE 1
THREADLE I
THREADLE CHAIN 1
BELT GUARD 1
FIXING SCREW 3
SCREW 3

