

**SUNSHINE<sup>®</sup>**

Industrial Sewing Machines.

**MODEL 5500 SERIES**

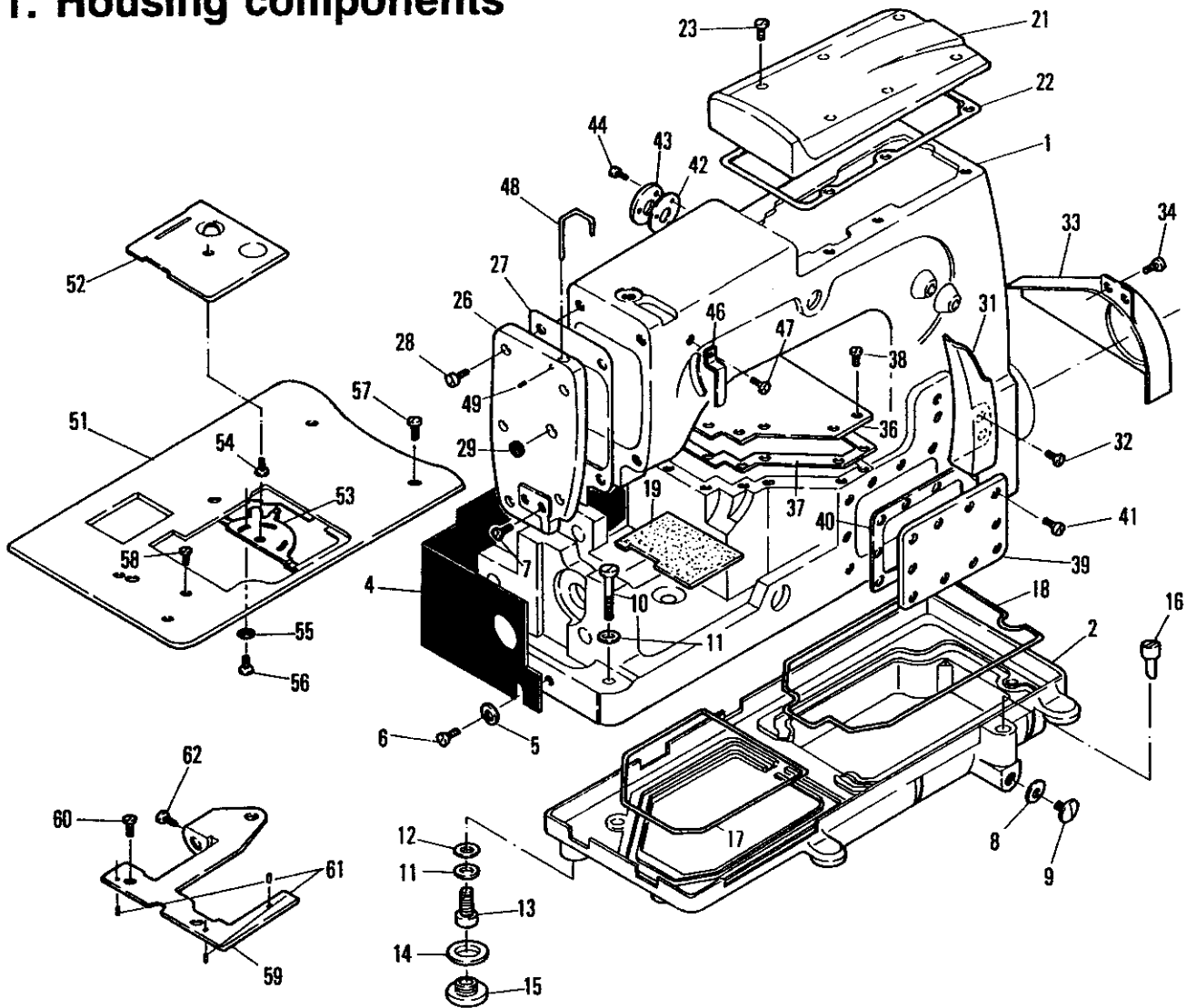
**PARTS BOOK**

**MOD. 5502PWB**  
**5503TF**  
**5503PTF**  
**5504PWB**  
**5504PWBC**

## Contents

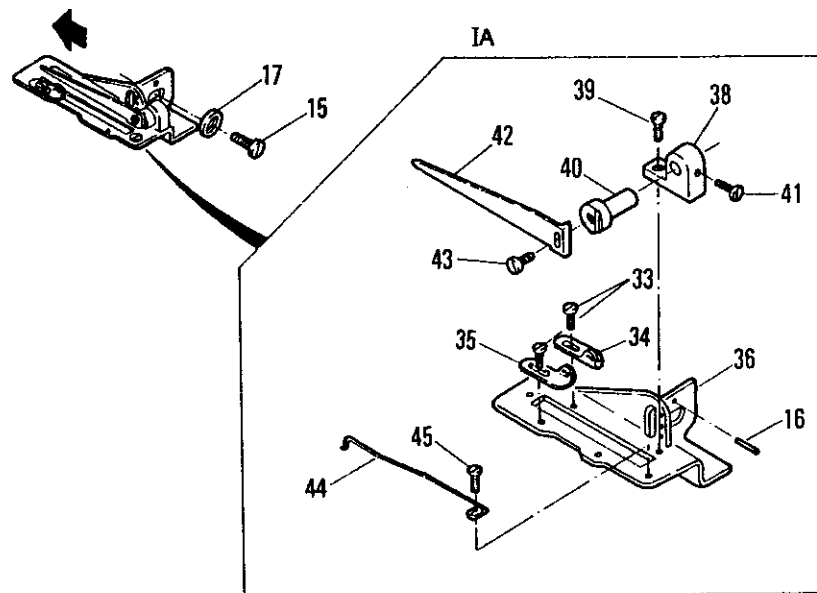
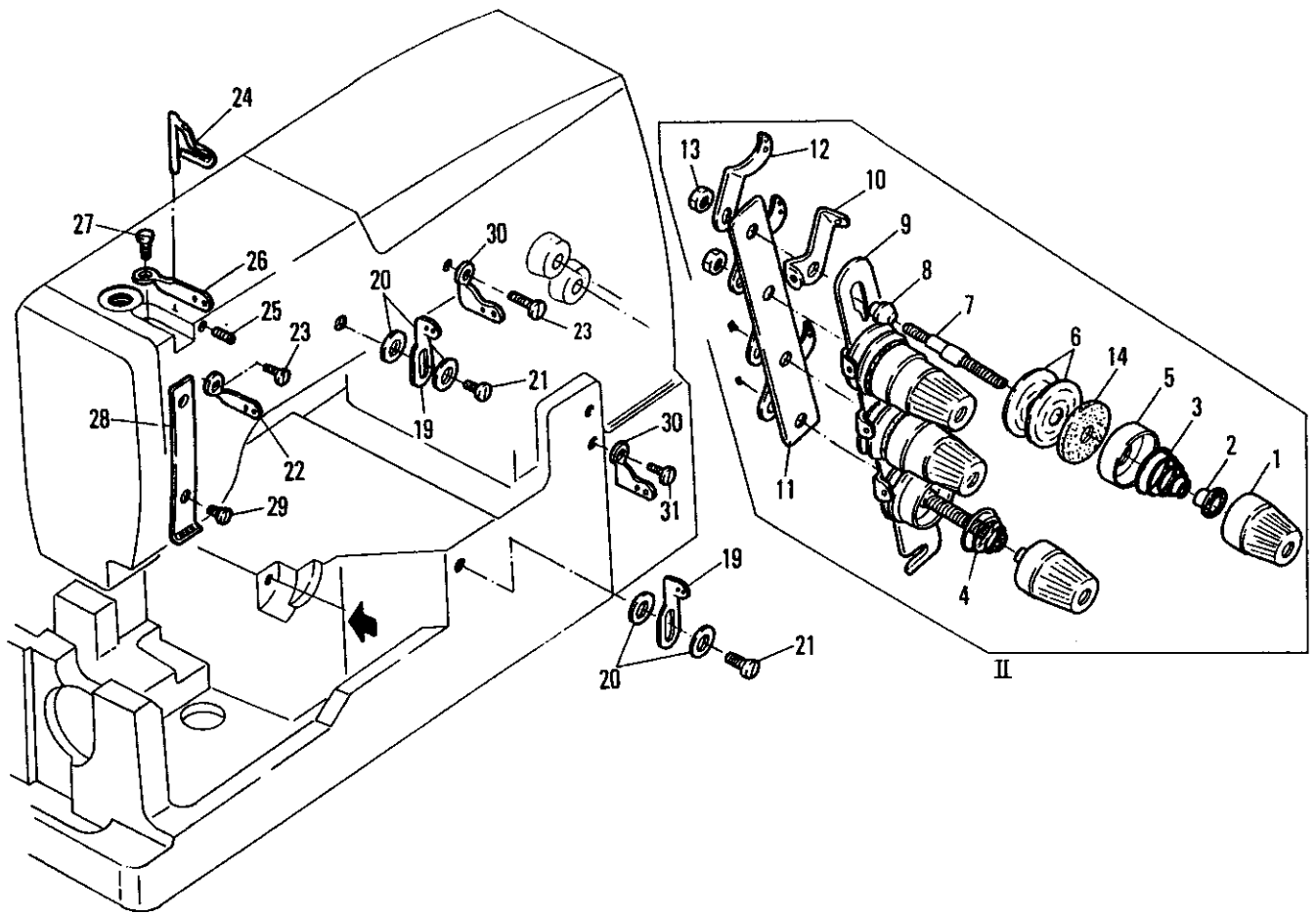
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# 1. Housing components



| Ref. No. | Part No. | Part Name                                | Q'ty | Ref. No. | Part No. | Part Name                                  | Q'ty |
|----------|----------|--|------|----------|----------|--|------|
| 1        | B60101   | Arm bed standard . . . . .               | 1    | 33       | B60133   | Pulley cover . . . . .                     | 1    |
| 2        | B60102   | Oil reservoir . . . . .                  | 1    | 34       | B60123   | Screw . . . . .                            | 2    |
| 3        |          |  |      | 35       |          |  |      |
| 4        | B60104   | Side plate cover . . . . .               | 1    | 36       | B60136   | Oil reservoir top cover . . . . .          | 1    |
| 5        | B60105   | Washer . . . . .                         | 3    | 37       | B60137   | Upper oil cover gasket . . . . .           | 1    |
| 6        | B60106   | Screw . . . . .                          | 3    | 38       | B60138   | Screw . . . . .                            | 7    |
| 7        | B60107   | Screw . . . . .                          | 2    | 39       | B60139   | Front oil cover . . . . .                  | 1    |
| 8        | B60108   | Gasket . . . . .                         | 1    | 40       | B60140   | Front oil cover gasket . . . . .           | 1    |
| 9        | B60109   | Screw . . . . .                          | 1    | 41       | B60141   | Screw . . . . .                            | 9    |
| 10       | B60110   | Screw . . . . .                          | 2    | 42       | B60142   | Oil seal plate gasket . . . . .            | 1    |
| 11       | B60111   | Oil reservoir washer . . . . .           | 6    | 43       | B60143   | Oil seal plate . . . . .                   | 1    |
| 12       | B60112   | Seal gasket . . . . .                    | 4    | 44       | B60144   | Screw . . . . .                            | 3    |
| 13       | B60113   | Screw . . . . .                          | 4    | 45       |          |  |      |
| 14       | B60114   | Gasket . . . . .                         | 4    | 46       | B60146   | Needle lever eyelet safety plate . . . . . | 1    |
| 15       | B60115   | Screw . . . . .                          | 4    | 47       | B60132   | Screw . . . . .                            | 1    |
| 16       | B60116   | Oil gauge . . . . .                      | 1    | 48       | B60148   | Needle bar eyelet safety bar . . . . .     | 1    |
| 17       | B60117   | Oil reservoir . . . . .                  | 1    | 49       | B60149   | Screw . . . . .                            | 1    |
| 18       | B60118   | Oil reservoir . . . . .                  | 1    | 50       |          |  |      |
| 19       | B60119   | Oil filter . . . . .                     | 1    | 51       | B60151   | Upper cloth plate (1/8" - 1/2") . . . . .  | 1    |
| 20       |          |  |      | 52       | B60152   | Slide plate (1/8" - 1/2") . . . . .        | 1    |
| 21       | B60121   | Crank chamber oil cover . . . . .        | 1    | 53       | B60153   | Spring for slide plate . . . . .           | 1    |
| 22       | B60122   | Crank chamber oil cover gasket . . . . . | 1    | 54       | B60154   | Screw . . . . .                            | 1    |
| 23       | B60123   | Screw . . . . .                          | 6    | 55       | B60155   | Washer . . . . .                           | 3    |
| 24       |          |  |      | 56       | B60156   | Screw . . . . .                            | 3    |
| 25       |          |  |      | 57       | B60157   | Screw . . . . .                            | 2    |
| 26       | B60126   | Head cover . . . . .                     | 1    | 58       | B60158   | Screw . . . . .                            | 3    |
| 27       | B60127   | Head cover gasket . . . . .              | 1    | 59       | B60159   | Needle plate support . . . . .             | 1    |
| 28       | B60123   | Screw . . . . .                          | 5    | 60       | B60160   | Screw . . . . .                            | 3    |
| 29       | B60129   | Head cover oil seal cap . . . . .        | 1    | 61       | B60161   | Knock pin . . . . .                        | 2    |
| 30       |          |  |      | 62       | B60162   | Screw . . . . .                            | 2    |
| 31       | B60131   | Tension discover . . . . .               | 1    |          |          |  |      |
| 32       | B60433   | Screw . . . . .                          | 2    |          |          |  |      |

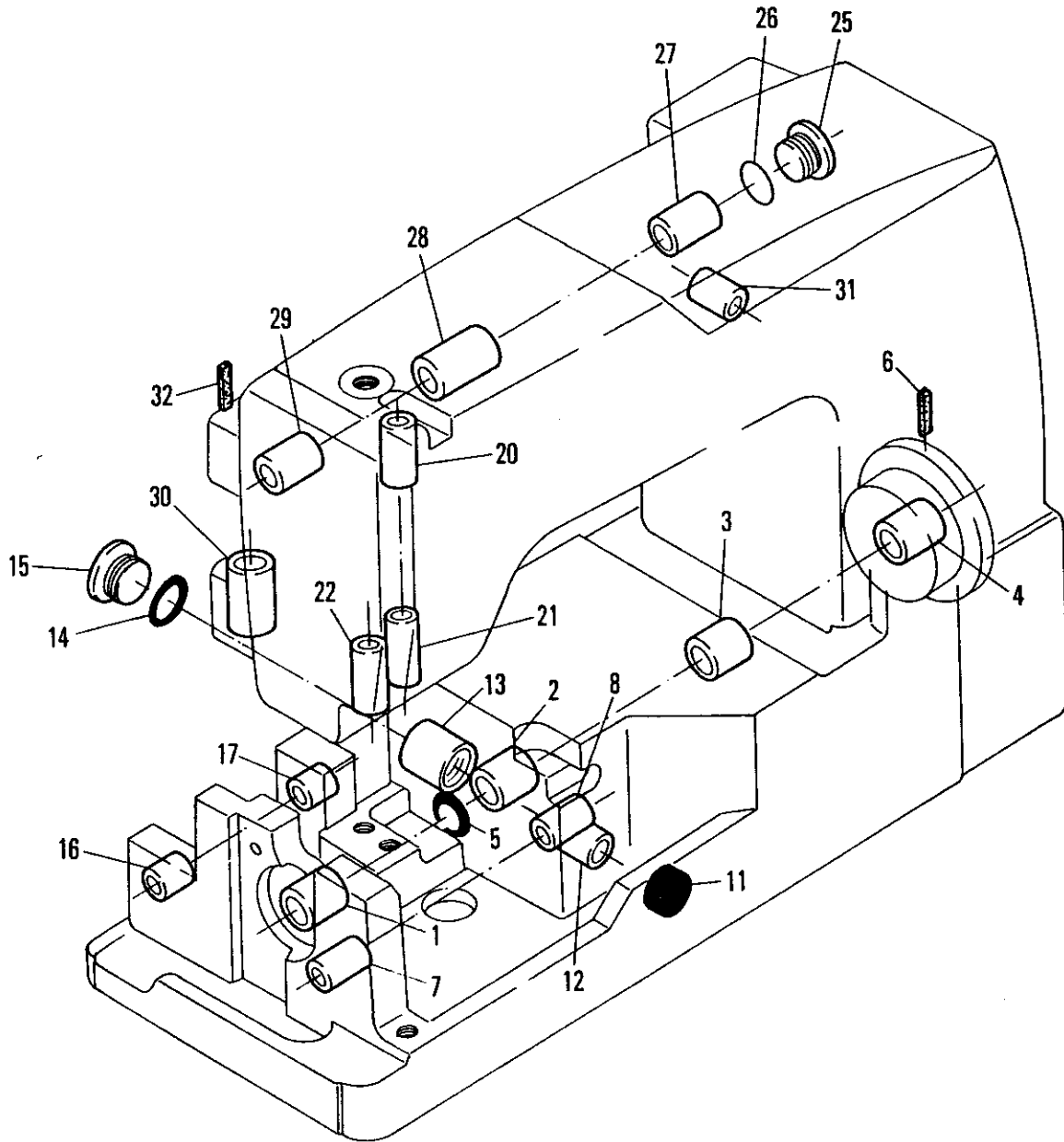
## 2. Thread eyelet components



| Ref. No. | Part No. | Part Name                    | Q'ty |
|----------|----------|------------------------------|------|
| 1        | B60201   | Tension regulating nut       | 4    |
| 2        | B60202   | Tension disc ratchet         | 4    |
| 3        | B60203   | Needle thread tension spring | 2    |
| 4        | B60204   | Looper thread tension spring | 2    |
| 5        | B60205   | Tension disc cover           | 4    |
| 6        | B60206   | Tension disc                 | 8    |
| 7        | B60207   | Tension post                 | 4    |
| 8        | B60208   | Tension post collar          | 4    |
| 9        | B60209   | Tension post support         | 1    |
| 10       | B60210   | Tension post thread eyelet   | 4    |
| 11       | B60211   | Tension post holder          | 1    |
| 12       | B60212   | Lead in thread eyelet        | 4    |
| 13       | B60213   | Nut                          | 2    |
| 14       | B60214   | Felt                         | 4    |
| 15       | B60107   | Screw                        | 1    |
| 16       | B60216   | Pin                          | 2    |
| 17       | B60217   | Washer                       | 1    |
| 18       |          |                              |      |
| 19       | B60219   | Needle thread eyelet 2       | 2    |
| 20       | B60105   | Washer                       | 4    |
| 21       | B60123   | Screw                        | 2    |
| 22       | B60222   | Needle lever thread eyelet 2 | 1    |
| 23       | B60132   | Screw                        | 2    |

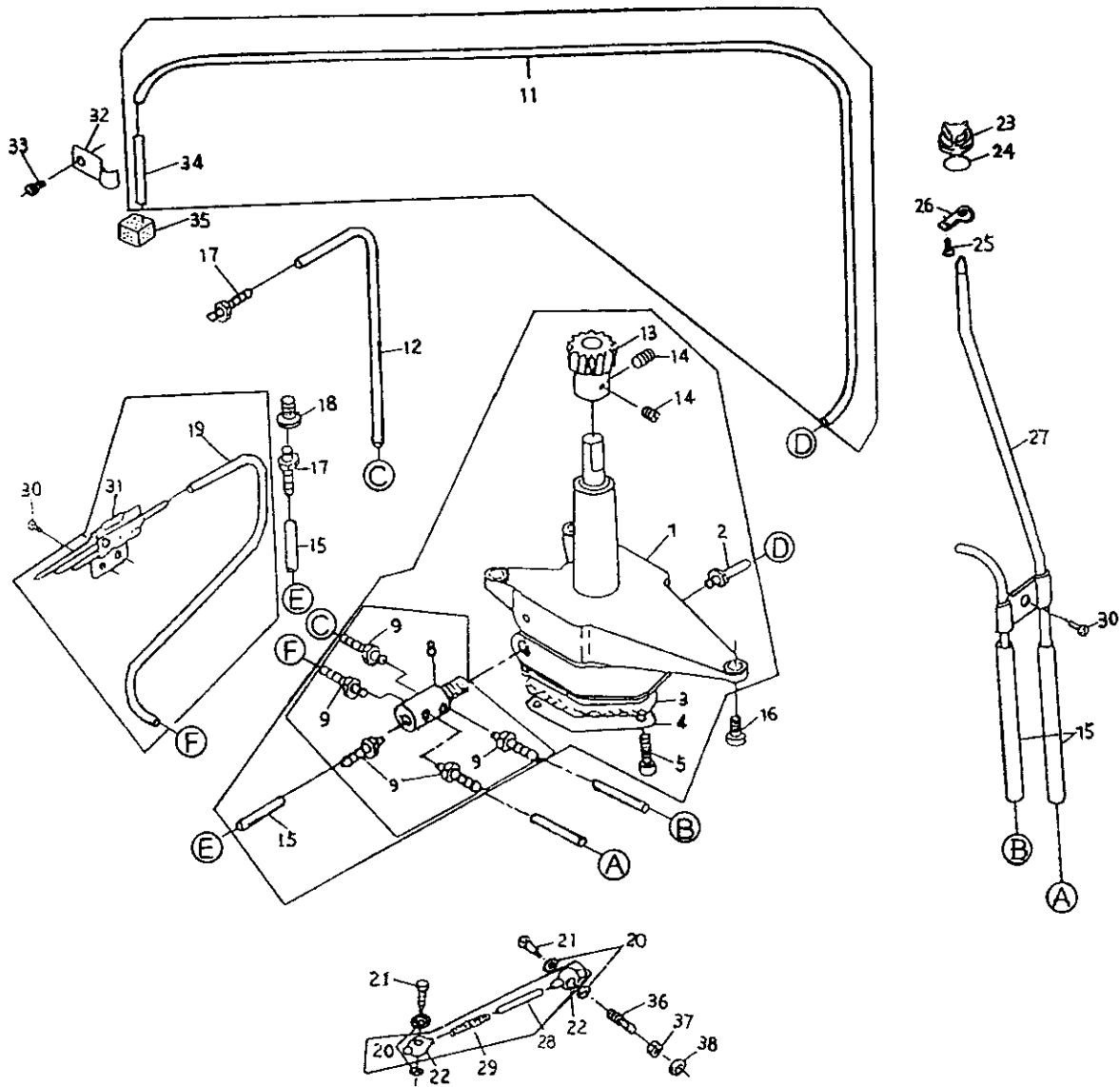
| Ref. No. | Part No. | Part Name                          | Q'ty |
|----------|----------|------------------------------------|------|
| 24       | B80236   | Needle thread take-up wire         | 1    |
| 25       | B60225   | Screw                              | 1    |
| 26       | B60226   | Needle bar thread eyelet 2         | 1    |
| 27       | B60132   | Screw                              | 1    |
| 28       | B60228   | Needle thread guide 3              | 1    |
| 29       | B60229   | Screw                              | 2    |
| 30       | B60230   | Looper thread eyelet 2             | 2    |
| 31       | B60231   | Screw                              | 1    |
| 32       |          |                                    |      |
| 33       | B60233   | Screw                              | 2    |
| 34       | B60234   | Looper thread guide eyelet (right) | 1    |
| 35       | B60235   | Looper thread guide eyelet (left)  | 1    |
| 36       | B60236   | Cast-off support plate             | 1    |
| 37       |          |                                    |      |
| 38       | B60238   | Retainer support bracket           | 1    |
| 39       | B60239   | Screw                              | 1    |
| 40       | B60240   | Pin for looper thread retainer     | 1    |
| 41       | B60241   | Screw                              | 1    |
| 42       | B60242   | Looper thread retainer             | 1    |
| 43       | B60132   | Screw                              | 1    |
| 44       | B60244   | Looper thread cast-off pin         | 1    |
| 45       | B60233   | Screw                              | 1    |

### 3. Bushings



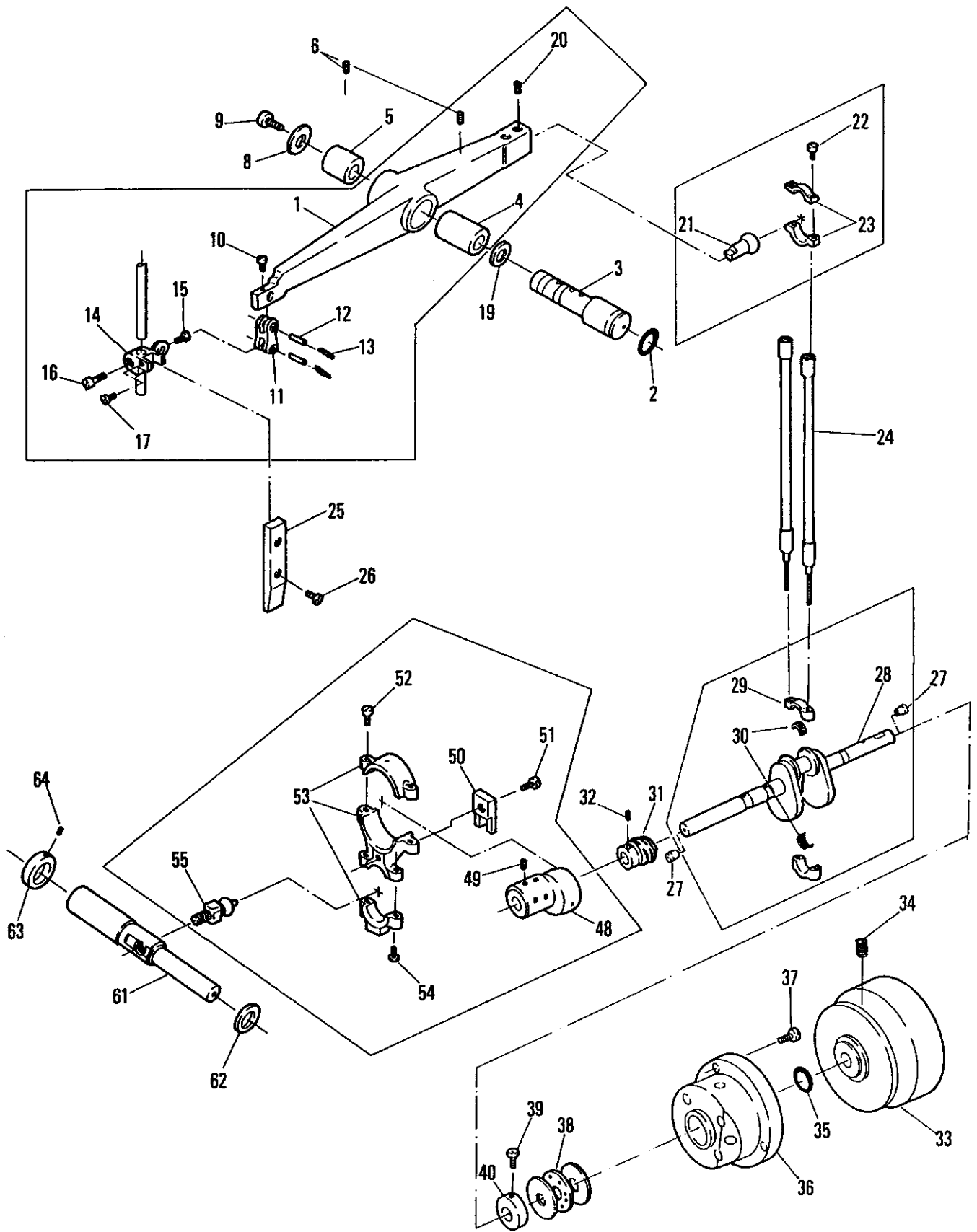
| Ref. No. | Part No. | Part Name                                  | Q'ty | Ref. No. | Part No. | Part Name                                   | Q'ty |
|----------|----------|--|------|----------|----------|---|------|
| 1        | B60301   | Main shaft bushing . . . . .               | 1    | 19       | B60320   | Needle bar bushing (upper) . . . . .        | 1    |
| 2        | B60302   | Main shaft bushing . . . . .               | 1    | 20       | B60321   | Needle bar bushing (lower) . . . . .        | 1    |
| 3        | B60303   | Main shaft bushing . . . . .               | 1    | 21       | B60322   | Presser bar bushing . . . . .               | 1    |
| 4        | B60304   | Flange bushing . . . . .                   | 1    | 22       |          |   |      |
| 5        | W80535   | Oil seal . . . . .                         | 1    | 23       |          |   |      |
| 6        | B60435   | Felt . . . . .                             | 1    | 24       |          |   |      |
| 7        | B60307   | Looper rocket shaft bushing . . . . .      | 1    | 25       | B60315   | Screw . . . . .                             | 1    |
| 8        | B60308   | Looper rocker shaft bushing . . . . .      | 1    | 26       | B60326   | O-ring . . . . .                            | 1    |
| 9        |          |  |      | 27       | B60327   | Puller drive lever bushing . . . . .        | 1    |
| 10       |          |  |      | 28       | B60328   | Puller drive lever bushing . . . . .        | 1    |
| 11       | B60311   | Oil plug . . . . .                         | 1    | 29       | B60329   | Puller drive lever bushing . . . . .        | 1    |
| 12       | B60312   | Looper drive lever shaft bushing . . . . . | 1    | 30       | B60330   | Puller shaft bushing . . . . .              | 1    |
| 13       | B60313   | Looper drive lever shaft bushing . . . . . | 1    | 31       | B60331   | Presser foot lifter lever bushing . . . . . | 1    |
| 14       | B60314   | O-ring . . . . .                           | 1    | 32       | B60435   | Felt . . . . .                              | 1    |
| 15       | B60315   | Screw . . . . .                            | 1    |          |          |   |      |
| 16       | B60316   | Feed rocker shaft bushing . . . . .        | 1    |          |          |   |      |
| 17       | B60317   | Feed rocker shaft bushing . . . . .        | 1    |          |          |   |      |
| 18       |          |  |      |          |          |   |      |

## 4. Oil lubrication apparatus



| Ref. No. | Part No. | Part Name             | Q'ty | Ref. No. | Part No. | Part Name            | Q'ty |
|----------|----------|-----------------------|------|----------|----------|----------------------|------|
| 1        | B60401   | Oil pump body.....    | 1    | 20       | B60420   | Packing.....         | 4    |
| 2        | B60402   | Pipe joint.....       | 1    | 21       | B60421   | Oil guide screw..... | 2    |
| 3        | B60403   | Pump mesh.....        | 1    | 22       | B60422   | Tube coupling.....   | 2    |
| 4        | B60404   | Mesh clamp plate..... | 1    | 23       | B60423   | Oil pot lid.....     | 1    |
| 5        | B60405   | Screw.....            | 3    | 24       | B60424   | O-ring.....          | 1    |
| 6        |          |                       |      | 25       | B60239   | Screw.....           | 1    |
| 7        |          |                       |      | 26       | B60426   | Pipe support.....    | 1    |
| 8        | B60408   | Oil tube joint.....   | 1    | 27       | B60427   | Pipe.....            | 1    |
| 9        | B60409   | Pipe joint.....       | 5    | 28       | B60428   | Vinyl pipe.....      | 1    |
| 10       |          |                       |      | 29       | B60446   | Felt.....            | 1    |
| 11       | B60411   | Vinyl pipe.....       | 1    | 30       | B60231   | Screw.....           | 3    |
| 12       | B60412   | Vinyl pipe.....       | 1    | 31       | B60431   | Pipe.....            | 1    |
| 13       | B60413   | Gear.....             | 1    | 32       | B60432   | Support.....         | 1    |
| 14       | B60149   | Screw.....            | 2    | 33       | B60433   | Screw.....           | 1    |
| 15       | B60415   | Vinyl pipe.....       | 1    | 34       | B60434   | Pipe.....            | 1    |
| 16       | B60123   | Screw.....            | 3    | 35       | B60435   | Felt.....            | 1    |
| 17       | B60409   | Pipe joint.....       | 2    | 36       | B60436   | Oil flow screw.....  | 1    |
| 18       | B60418   | Fixing screw.....     | 1    | 37       | B60437   | Nut.....             | 1    |
| 19       | B60419   | Vinyl pipe.....       | 1    | 38       | B60438   | Packing.....         | 1    |

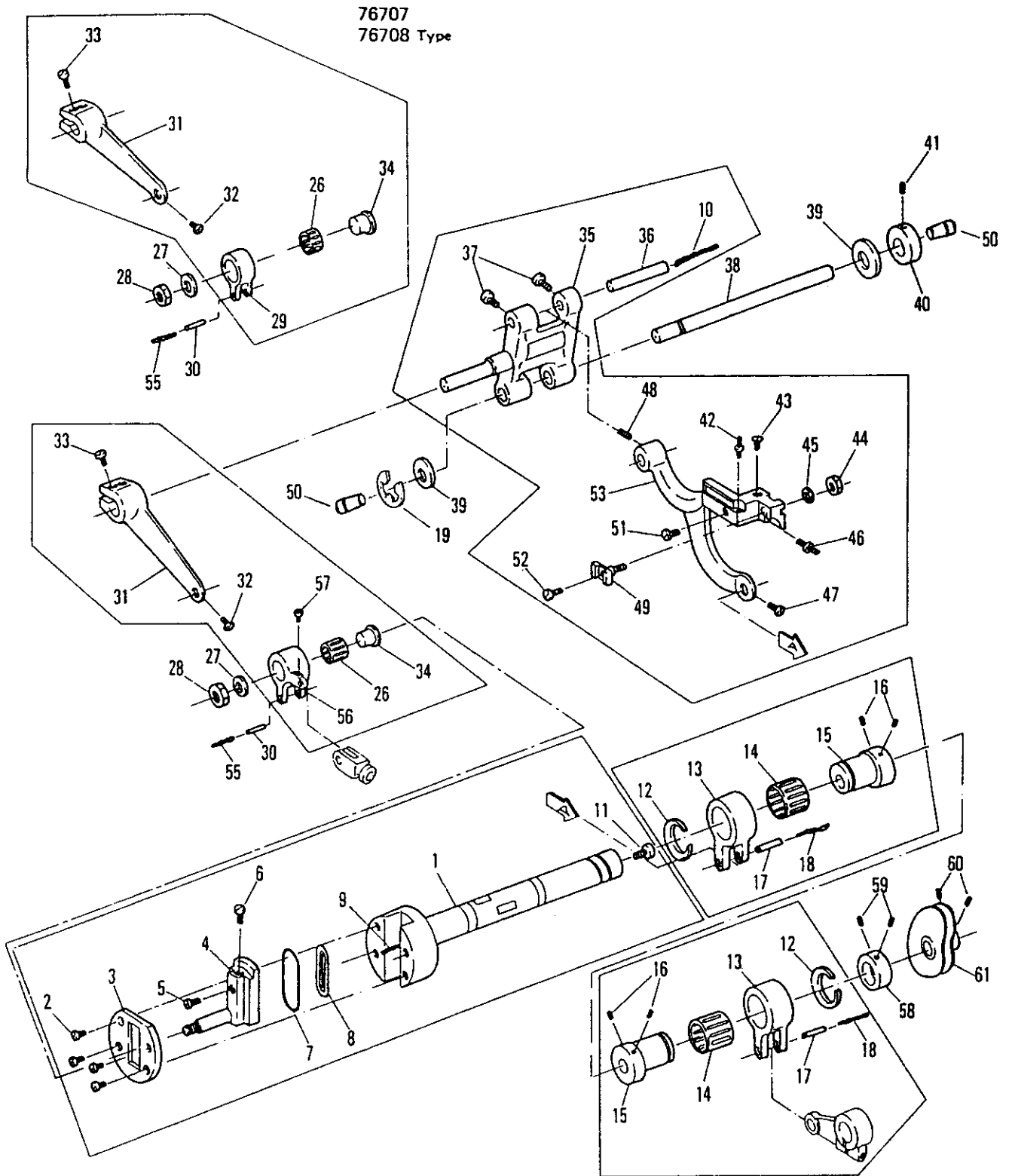
# 5. Needle lever crank





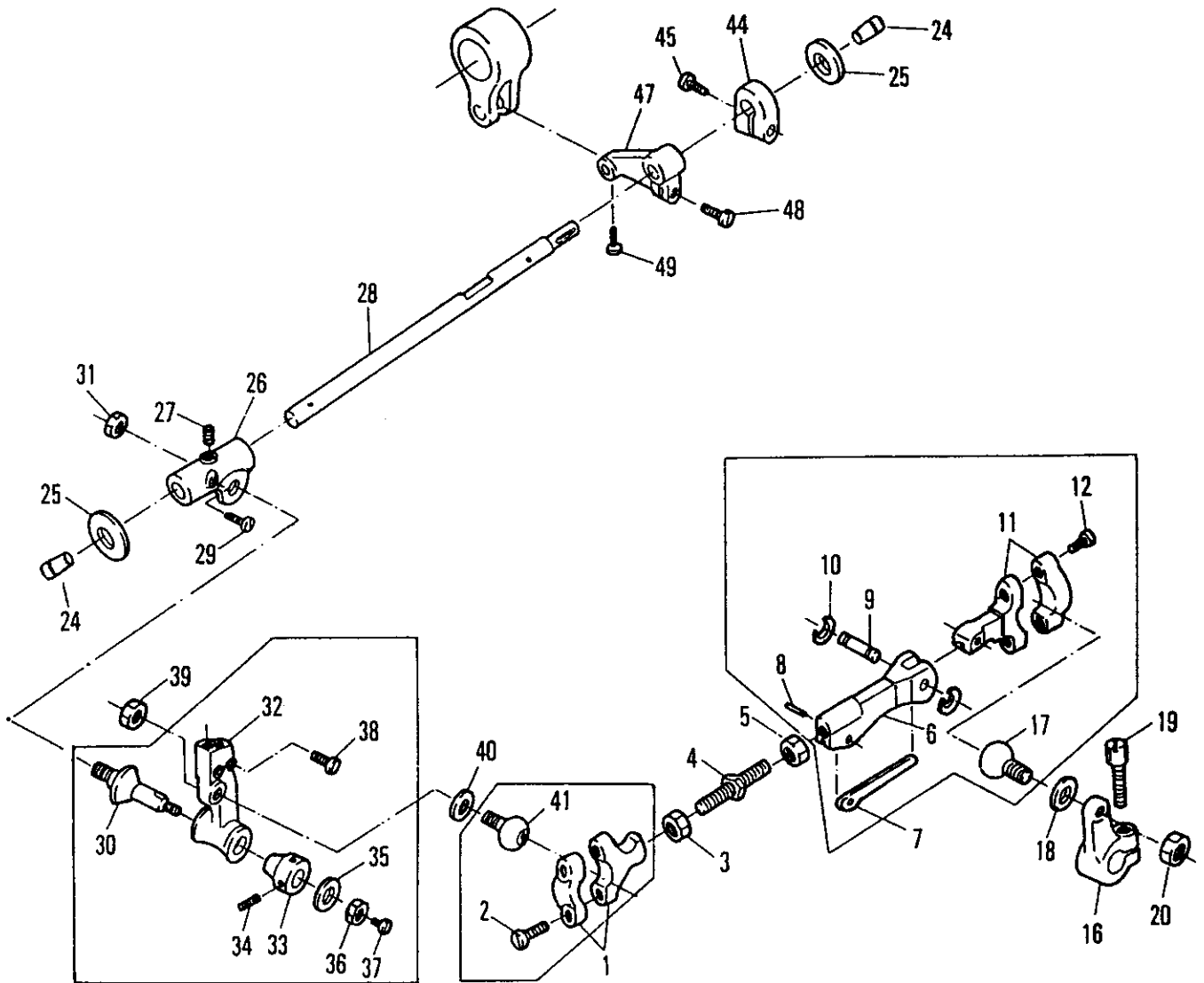
| Ref. No. | Part No. | Part Name                      | Q'ty | Ref. No. | Part No. | Part Name                       | Q'ty |
|----------|----------|--------------------------------|------|----------|----------|---------------------------------|------|
| 1        | B60501   | Needle lever                   | 1    | 33       | B60533   | Pulley                          | 1    |
| 2        | B60305   | O-ring                         | 1    | 34       | B60534   | Screw                           | 2    |
| 3        | B60503   | Needle lever stud              | 1    | 35       | B60305   | O-ring                          | 1    |
| 4        | B60504   | Needle lever bushing           | 1    | 36       | B60536   | Flange                          | 1    |
| 5        | B60505   | Needle lever stud bushing      | 1    | 37       | B60123   | Screw                           | 3    |
| 6        | B60506   | Screw                          | 2    | 38       | B60538   | Bearing                         | 1    |
| 7        |          |                                |      | 39       | B60539   | Screw                           | 2    |
| 8        | B60420   | Gasket                         | 1    | 40       | B60540   | Crank shaft collar              | 1    |
| 9        | B60509   | Screw                          | 1    | 41       |          |                                 |      |
| 10       | B60510   | Screw                          | 1    | 42       |          |                                 |      |
| 11       | B60511   | Needle bar connection link     | 1    | 43       |          |                                 |      |
| 12       | B60512   | Needle bar connection link pin | 2    | 44       |          |                                 |      |
| 13       | B60446   | Felt                           | 2    | 45       |          |                                 |      |
| 14       | B60514   | Needle bar connection          | 1    | 46       |          |                                 |      |
| 15       | B60515   | Screw                          | 1    | 47       |          |                                 |      |
| 16       | B60516   | Screw                          | 1    | 48       | B60548   | Looper driving eccentric        | 1    |
| 17       | B60231   | Screw                          | 1    | 49       | B60549   | Screw                           | 6    |
| 18       |          |                                |      | 50       | B60550   | Eccentric guide fork            | 1    |
| 19       | B60519   | Washer                         | 1    | 51       | B60551   | Screw                           | 1    |
| 20       | B60520   | Screw                          | 2    | 52       | B60552   | Screw                           | 2    |
| 21       | B60521   | Needle lever connecting rod    | 1    | 53       | B60553   | Looper driving lever ball joint | 1    |
| 22       | B60522   | Screw                          | 2    | 54       | B60554   | Screw                           | 2    |
| 23       | B60523   | Ball joint for connecting rod  | 1    | 55       | B60555   | Looper driving connecting rod   | 1    |
| 24       | B60524   | Connecting bar                 | 2    | 56       |          |                                 |      |
| 25       | B60525   | Needle bar guide plate         | 1    | 57       |          |                                 |      |
| 26       | B60107   | Screw                          | 2    | 58       |          |                                 |      |
| 27       | B60527   | Pin                            | 2    | 59       |          |                                 |      |
| 28       | B60528   | Crank shaft                    | 1    | 60       |          |                                 |      |
| 29       | B60529   | Ball-joint for crank shaft     | 1    | 61       | B60561   | Looper driving shaft            | 1    |
| 30       | B60530   | Needle roller for crank shaft  | 28   | 62       | B60519   | Washer                          | 1    |
| 31       | B60531   | Worm gear                      | 1    | 63       | B60563   | Collar                          | 1    |
| 32       | B60532   | Screw                          | 2    | 64       | B60564   | Screw                           | 2    |

## 6. Feed rocker



| Ref. No. | Part No. | Part Name                           | Q'ty | Ref. No. | Part No. | Part Name                            | Q'ty |
|----------|----------|-------------------------------------|------|----------|----------|--------------------------------------|------|
| 1        | B60601   | Main shaft . . . . .                | 1    | 32       | B60632   | Screw . . . . .                      | 1    |
| 2        | B60138   | Screw . . . . .                     | 4    | 33       | B60516   | Screw . . . . .                      | 2    |
| 3        | B60603   | Head plate . . . . .                | 1    | 34       | B60634   | Feed crank link roller . . . . .     | 1    |
| 4        | B60604   | Feed crank adjusting post . . . . . | 1    | 35       | B60635   | Single feed rocker arm . . . . .     | 1    |
| 5        | B60605   | Screw . . . . .                     | 1    | 36       | B60636   | Feed rocker arm shaft . . . . .      | 1    |
| 6        | B60606   | Screw . . . . .                     | 1    | 37       | B60106   | Screw . . . . .                      | 2    |
| 7        | B60607   | O-ring . . . . .                    | 1    | 38       | B60638   | Feed rocker shaft small . . . . .    | 1    |
| 8        | B60608   | Oil guide . . . . .                 | 1    | 39       | B60639   | Washer . . . . .                     | 1    |
| 9        | B60446   | Felt . . . . .                      | 1    | 40       | B60640   | Collar . . . . .                     | 1    |
| 10       | B60446   | Felt . . . . .                      | 1    | 41       | B60160   | Screw . . . . .                      | 1    |
| 11       | B60611   | Screw . . . . .                     | 1    | 42       | B60642   | Screw . . . . .                      | 1    |
| 12       | B60612   | Snap ring . . . . .                 | 2    | 43       | B60229   | Screw . . . . .                      | 1    |
| 13       | B60613   | eccentric link . . . . .            | 2    | 44       | B60644   | Nut . . . . .                        | 1    |
| 14       | B60614   | Bearing . . . . .                   | 2    | 45       | B60645   | Washer . . . . .                     | 1    |
| 15       | B60615   | Eccentric 0.9 . . . . .             | 2    | 46       | B60646   | Screw . . . . .                      | 1    |
| 16       | B60564   | Screw . . . . .                     | 4    | 47       | B60632   | Screw . . . . .                      | 1    |
| 17       | B60617   | Connecting link pin . . . . .       | 2    | 48       | B60532   | Screw . . . . .                      | 1    |
| 18       | B60446   | Felt . . . . .                      | 2    | 49       | B60649   | Feed dog holder . . . . .            | 1    |
| 19       | B60619   | C-RNG . . . . .                     | 1    | 50       | B60650   | Pin . . . . .                        | 2    |
| 20       |          |                                     |      | 51       | B60651   | Screw . . . . .                      | 1    |
| 21       |          |                                     |      | 52       | B60652   | Screw . . . . .                      | 1    |
| 22       |          |                                     |      | 53       | B60653   | Feed rocker . . . . .                | 1    |
| 23       |          |                                     |      | 54       |          |                                      |      |
| 24       |          |                                     |      | 55       | B60446   | Felt . . . . .                       | 1    |
| 25       |          |                                     |      | 56       | B60656   | Feed rocker link . . . . .           | 1    |
| 26       | B60626   | Bearing . . . . .                   | 1    | 57       | B60632   | Screw . . . . .                      | 1    |
| 27       | B60627   | Washer . . . . .                    | 1    | 58       | B60658   | Collar . . . . .                     | 1    |
| 28       | B60628   | Nut . . . . .                       | 1    | 59       | B60659   | Screw . . . . .                      | 2    |
| * 29     | B60629   | Feed rocker link . . . . .          | 1    | 60       | B60660   | Screw . . . . .                      | 2    |
| 30       | B60512   | Feed rocker link pin . . . . .      | 1    | * 61     | B60661   | Looper thread take-up disc . . . . . | 1    |
| 31       | B60631   | Feed rocker arm . . . . .           | 1    |          |          |                                      |      |

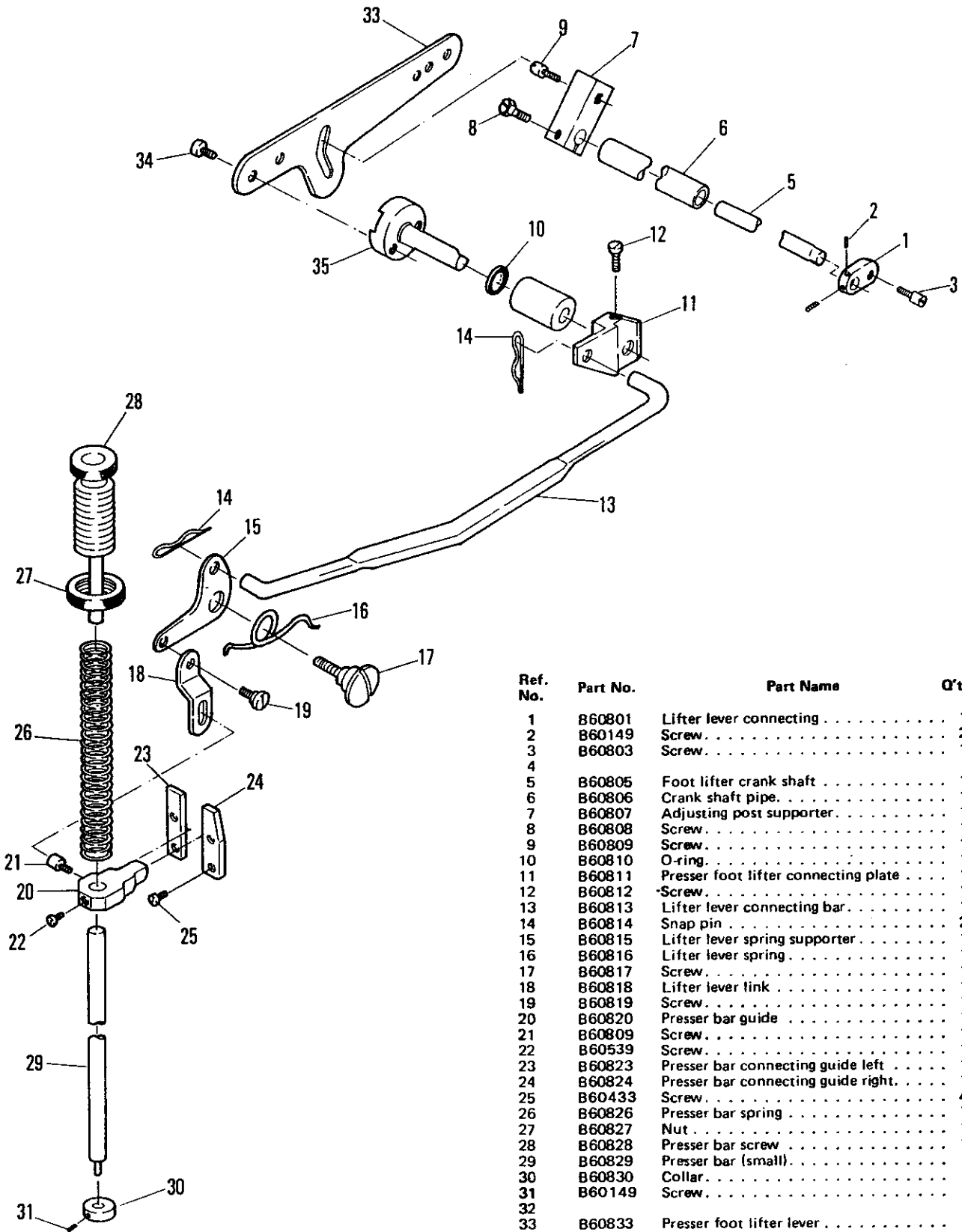
# 7. Looper



76702

| Ref. No. | Part No. | Part Name                                    | Q'ty | Ref. No. | Part No. | Part Name                     | Q'ty |
|----------|----------|--|------|----------|----------|-------------------------------|------|
| 1        | B60701   | Looper rocker connecting ball joining (left) | 1    | 25       | B60639   | Washer                        | 2    |
| 2        | B60702   | Screw  | 2    | 26       | B60726   | Looper rocker                 | 1    |
| 3        | B60628   | Nut  | 1    | 27       | B60532   | Screw                         | 1    |
| 4        | B60704   | Connecting bar                               | 1    | 28       | B60728   | Looper holder shaft           | 1    |
| 5        | B60213   | Nut  | 1    | 29       | B60729   | Screw                         | 1    |
| 6        | B60706   | Looper driving connecting link               | 1    | 30       | B60730   | Looper rocker tapered pin     | 1    |
| 7        | B60707   | Plate spring                                 | 1    | 31       | B60644   | Nut                           | 1    |
| 8        | B60708   | Pin  | 1    | 32       | B60732   | Looper holder                 | 1    |
| 9        | B60709   | Shaft  | 1    | 33       | B60733   | Tapered pin bushing           | 1    |
| 10       | B60710   | Snap ring                                    | 2    | 34       | B60149   | Screw                         | 2    |
| 11       | B60711   | Looper driving connecting ball joining       | 1    | 35       | B60735   | Washer                        | 1    |
| 12       | B60702   | Screw  | 2    | 36       | B60644   | Nut                           | 1    |
| 13       |          |  |      | 37       | B60132   | Screw                         | 1    |
| 14       |          |  |      | 38       | B60738   | Screw                         | 2    |
| 15       |          |  |      | 39       | B60213   | Nut                           | 1    |
| 16       | B60716   | Looper driving lever                         | 1    | 40       | B60718   | Washer                        | 1    |
| 17       | B60717   | Looper driving connecting rod                | 1    | 41       | B60717   | Looper driving connecting rod | 1    |
| 18       | B60718   | Washer                                       | 1    | 42       |          |                               |      |
| 19       | B60719   | Screw  | 1    | 43       |          |                               |      |
| 20       | B60213   | Nut  | 1    | 44       | B60744   | Looper holder shaft collar    | 1    |
| 21       |          |  |      | 45       | B60123   | Screw                         | 1    |
| 22       |          |  |      | 46       |          |                               |      |
| 23       |          |  |      | 47       | B60747   | Looper avoid lever            | 1    |
| 24       | B60650   | Pin  | 2    | 48       | B60516   | Screw                         | 1    |
|          |          |  |      | 49       | B60510   | Screw                         | 1    |

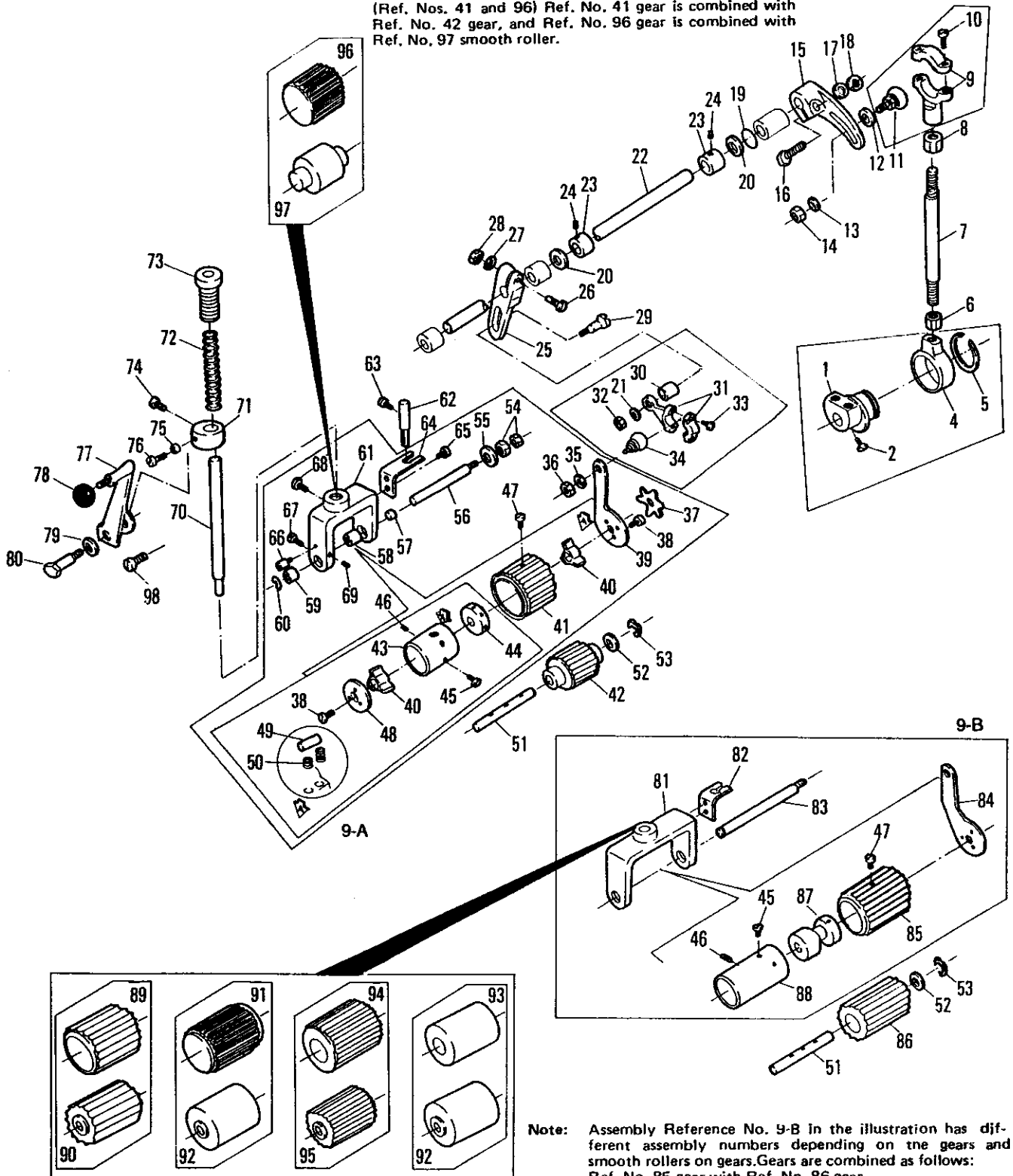
# 8. Foot lifter components



| Ref. No. | Part No. | Part Name                                      | Q'ty |
|----------|----------|--|------|
| 1        | B60801   | Lifter lever connecting . . . . .              | 1    |
| 2        | B60149   | Screw . . . . .                                | 2    |
| 3        | B60803   | Screw . . . . .                                | 1    |
| 4        |          |  |      |
| 5        | B60805   | Foot lifter crank shaft . . . . .              | 1    |
| 6        | B60806   | Crank shaft pipe . . . . .                     | 1    |
| 7        | B60807   | Adjusting post supporter . . . . .             | 1    |
| 8        | B60808   | Screw . . . . .                                | 1    |
| 9        | B60809   | Screw . . . . .                                | 1    |
| 10       | B60810   | O-ring . . . . .                               | 1    |
| 11       | B60811   | Presser foot lifter connecting plate . . . . . | 1    |
| 12       | B60812   | Screw . . . . .                                | 1    |
| 13       | B60813   | Lifter lever connecting bar . . . . .          | 1    |
| 14       | B60814   | Snap pin . . . . .                             | 2    |
| 15       | B60815   | Lifter lever spring supporter . . . . .        | 1    |
| 16       | B60816   | Lifter lever spring . . . . .                  | 1    |
| 17       | B60817   | Screw . . . . .                                | 1    |
| 18       | B60818   | Lifter lever link . . . . .                    | 1    |
| 19       | B60819   | Screw . . . . .                                | 1    |
| 20       | B60820   | Presser bar guide . . . . .                    | 1    |
| 21       | B60809   | Screw . . . . .                                | 1    |
| 22       | B60539   | Screw . . . . .                                | 1    |
| 23       | B60823   | Presser bar connecting guide left . . . . .    | 1    |
| 24       | B60824   | Presser bar connecting guide right . . . . .   | 1    |
| 25       | B60433   | Screw . . . . .                                | 4    |
| 26       | B60826   | Presser bar spring . . . . .                   | 1    |
| 27       | B60827   | Nut . . . . .                                  | 1    |
| 28       | B60828   | Presser bar screw . . . . .                    | 1    |
| 29       | B60829   | Presser bar (small) . . . . .                  | 1    |
| 30       | B60830   | Collar . . . . .                               | 1    |
| 31       | B60149   | Screw . . . . .                                | 1    |
| 32       |          |  |      |
| 33       | B60833   | Presser foot lifter lever . . . . .            | 1    |
| 34       | B60123   | Screw . . . . .                                | 2    |
| 35       | B60835   | Presser foot lifter lever post . . . . .       | 1    |

# 9. Puller

**Note:** Assembly Reference No. 9-A in the illustration has different assembly numbers depending on the gear used (Ref. Nos. 41 and 96) Ref. No. 41 gear is combined with Ref. No. 42 gear, and Ref. No. 96 gear is combined with Ref. No. 97 smooth roller.

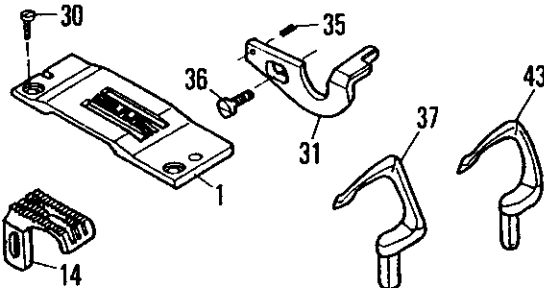
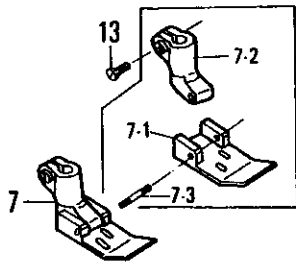
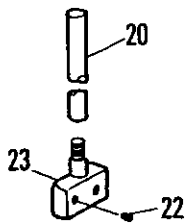


**Note:** Assembly Reference No. 9-B in the illustration has different assembly numbers depending on the gears and smooth rollers on gears. Gears are combined as follows:  
 Ref. No. 85 gear with Ref. No. 86 gear  
 Ref. No. 89 gear with Ref. No. 90 gear  
 Ref. No. 94 gear with Ref. No. 95 gear  
 Ref. No. 91 gear and Ref. No. 93 smooth roller with Ref. No. 92 smooth roller  
 Components shown in 9-B are interchangeable with those shown in 9-A.

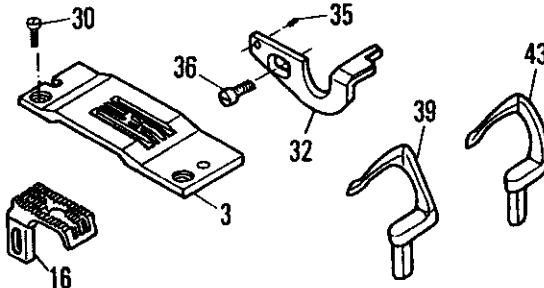
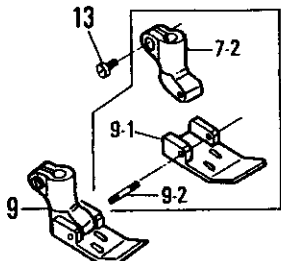
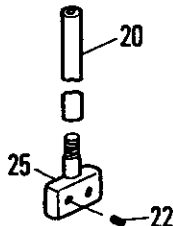
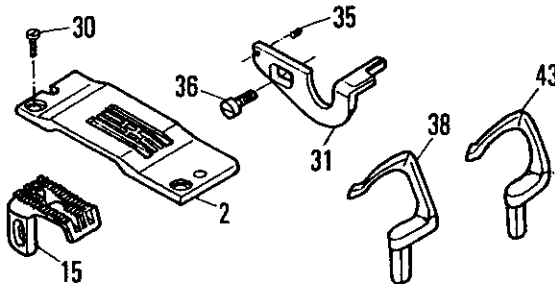
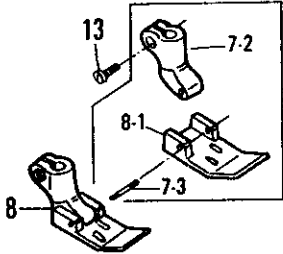
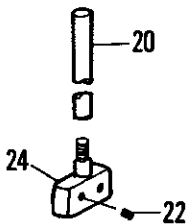
| Ref. No. | Part No. | Part Name                                   | Q'ty | Ref. No. | Part No. | Part Name                                      | Q'ty |
|----------|----------|---|------|----------|----------|--|------|
| 1        | B60901   | Puller driving eccentric . . . . .          | 1    | 50       | B60950   | Check clutch spring . . . . .                  | 12   |
| 2        | B60902   | Screw . . . . .                             | 2    | 51       | B60951   | Rear puller shaft . . . . .                    | 1    |
| 3        |          |   |      | 52       | B60639   | Washer . . . . .                               | 1    |
| 4        | B60904   | Connecting link . . . . .                   | 1    | 53       | B60953   | Spring washer . . . . .                        | 1    |
| 5        | B60905   | 25φ snap ring . . . . .                     | 1    | 54       | B60954   | Nut . . . . .                                  | 2    |
| 6        | B60906   | Nut . . . . .                               | 1    | 55       | B60955   | Washer . . . . .                               | 1    |
| 7        | B60907   | Puller driving connection. . . . .          | 1    | * 56     | B60956   | Rear puller shall . . . . .                    | 1    |
| 8        | B60908   | Nut, left . . . . .                         | 1    | 57       | B60957   | Puller holder shaft bushing S . . . . .        | 1    |
| 9        | B60909   | Puller driving connecting rod . . . . .     | 1    | 58       | B60958   | Puller holder shaft bushing M . . . . .        | 1    |
| 10       | B60910   | Screw . . . . .                             | 2    | 59       | B60959   | Puller holder shaft bushing L . . . . .        | 1    |
| 11       | B60911   | Connecting ball joint . . . . .             | 1    | 60       | B60960   | φ8 snap ring . . . . .                         | 1    |
| 12       | B60912   | Washer . . . . .                            | 1    | * 61     | B60961   | Rear puller holder (small) . . . . .           | 1    |
| 13       | B60913   | Washer . . . . .                            | 1    | 62       | B60962   | Puller liner . . . . .                         | 1    |
| 14       | B60644   | Nut . . . . .                               | 1    | 63       | B60225   | Screw . . . . .                                | 1    |
| 15       | B60915   | Puller driving lever, rear . . . . .        | 1    | * 64     | B60964   | Rear puller stopper . . . . .                  | 1    |
| 16       | B60916   | Screw . . . . .                             | 1    | 65       | B60965   | Screw . . . . .                                | 2    |
| 17       | B60645   | Washer . . . . .                            | 1    | 66       | B60966   | Screw . . . . .                                | 1    |
| 18       | B60918   | Nut . . . . .                               | 1    | 67       | B60551   | Screw . . . . .                                | 1    |
| 19       | B60305   | O-ring . . . . .                            | 1    | 68       | B60968   | Screw . . . . .                                | 1    |
| 20       | B60519   | Washer . . . . .                            | 2    | 69       | B60969   | Screw . . . . .                                | 1    |
| 21       | B60217   | Washer . . . . .                            | 1    | 70       | B60970   | Feed roller shaft . . . . .                    | 1    |
| 22       | B60922   | Puller driving shaft . . . . .              | 1    | 71       | B60971   | Feed roller shaft holder . . . . .             | 1    |
| 23       | B60923   | Crank shaft collar . . . . .                | 2    | 72       | B60972   | Puller spring . . . . .                        | 1    |
| 24       | B60532   | Screw . . . . .                             | 4    | 73       | B60973   | Puller screw . . . . .                         | 1    |
| 25       | B60925   | Puller driving lever, front. . . . .        | 1    | 74       | B60974   | Screw . . . . .                                | 1    |
| 26       | B60916   | Screw . . . . .                             | 1    | 75       | B60975   | Lifter lever roller . . . . .                  | 1    |
| 27       | B60645   | Washer . . . . .                            | 1    | 76       | B60976   | Screw . . . . .                                | 1    |
| 28       | B60918   | Nut . . . . .                               | 1    | ** 77    | B60977   | Lifter lever . . . . .                         | 1    |
| 29       | B60929   | Screw . . . . .                             | 1    | 78       | B60978   | Lifter lever knob . . . . .                    | 1    |
| 30       | B60930   | Connecting link roller . . . . .            | 1    | 79       | B60979   | Lifter spring . . . . .                        | 1    |
| 31       | B60931   | Puller connecting rod . . . . .             | 1    | 80       | B60980   | Screw . . . . .                                | 1    |
| 32       | B60932   | Nut . . . . .                               | 1    | 81       | B60981   | Rear puller holder (large) . . . . .           | 1    |
| 33       | B60554   | Screw . . . . .                             | 2    | 82       | B60982   | Rear puller stopper . . . . .                  | 1    |
| 34       | B60934   | Connecting ball joint . . . . .             | 1    | 83       | B60983   | Rear puller shaft . . . . .                    | 1    |
| 35       | B60645   | Washer . . . . .                            | 1    | 84       | B60984   | Rear puller connecting plate . . . . .         | 1    |
| 36       | B60213   | Nut . . . . .                               | 1    | 85       | B81041   | Rear puller gear 22 teeth (Nylon) . . . . .    | 1    |
| 37       | B60937   | Puller plate spring . . . . .               | 1    | 86       | B81042   | Rear puller gear 18 teeth (Nylon) . . . . .    | 1    |
| 38       | B60162   | Screw . . . . .                             | 6    | 87       | B60987   | Rear puller thrust collar . . . . .            | 1    |
| * 39     | B60939   | Rear puller connecting plate . . . . .      | 1    | 88       | B60988   | Rear puller pipe . . . . .                     | 1    |
| 40       | B60940   | Clutch . . . . .                            | 2    | * 89     | B60989   | Rear puller gear 22 28 teeth (Steel) . . . . . |      |
| * 41     | B60941   | Rear puller gear 18 teeth (Nylon) . . . . . | 1    | * 90     | B60990   | Rear puller gear 18 23 teeth (Steel) . . . . . |      |
| * 42     | B60942   | Rear puller gear 15 teeth (Nylon) . . . . . | 1    | 91       | B60991   | Rear puller gear 60 teeth (Steel) . . . . .    | 1    |
| * 43     | B60943   | Rear puller pipe . . . . .                  | 1    | 92       | B60992   | Rear puller (Smooth) . . . . .                 | 1    |
| * 44     | B60944   | Rear puller thrust collar . . . . .         | 1    | 93       | B60993   | Rear puller (Smooth) . . . . .                 | 1    |
| 45       | B60229   | Screw . . . . .                             | 3    | 94       | B81081   | Rear puller gear 28 teeth (Nylon) . . . . .    | 1    |
| 46       | B60946   | Screw . . . . .                             | 1    | 95       | B81082   | Rear puller gear 23 teeth (Nylon) . . . . .    | 1    |
| 47       | B60229   | Screw . . . . .                             | 3    | * 96     | B60996   | Rear puller gear 60 teeth (Steel) . . . . .    | 1    |
| 48       | B60948   | Rear puller pipe cover . . . . .            | 1    | * 97     | B60997   | Rear puller (Smooth) . . . . .                 | 1    |
| 49       | B60949   | Check clutch roller . . . . .               | 6    | 98       | B60998   | Screw . . . . .                                | 1    |

# 10. Gauge parts (1)

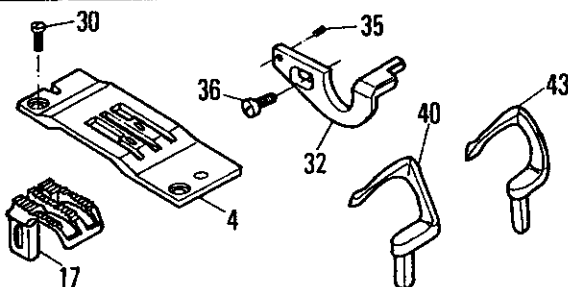
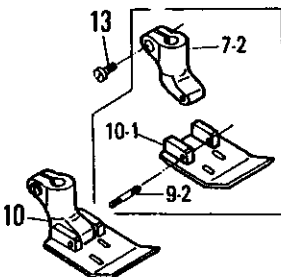
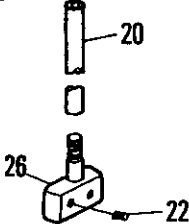
1/8"



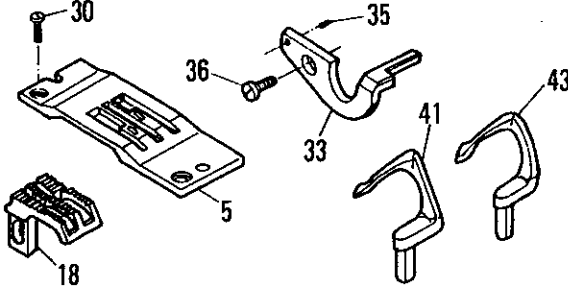
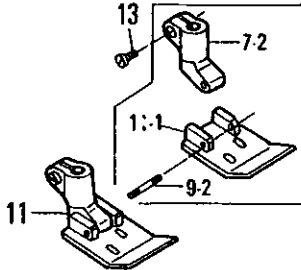
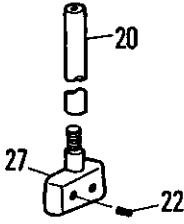
3/16"



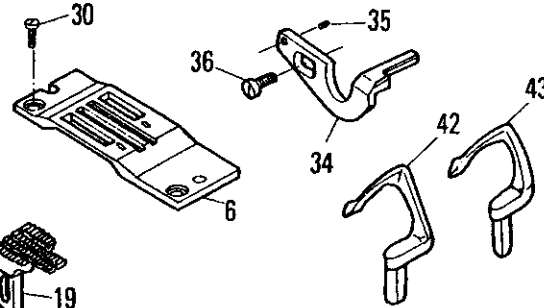
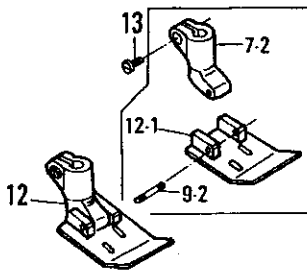
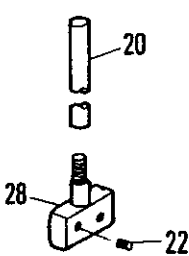
5/16"



3/8"



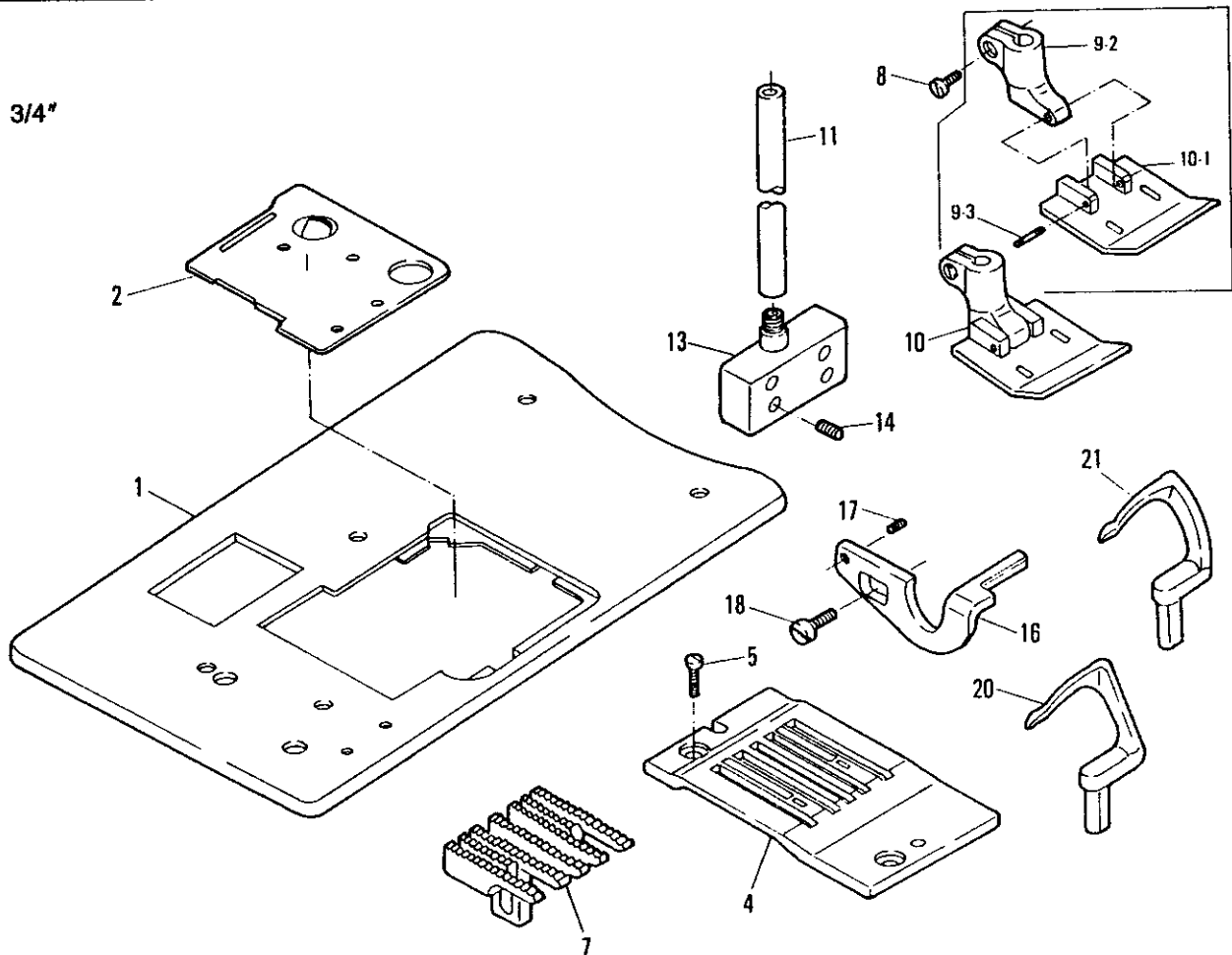
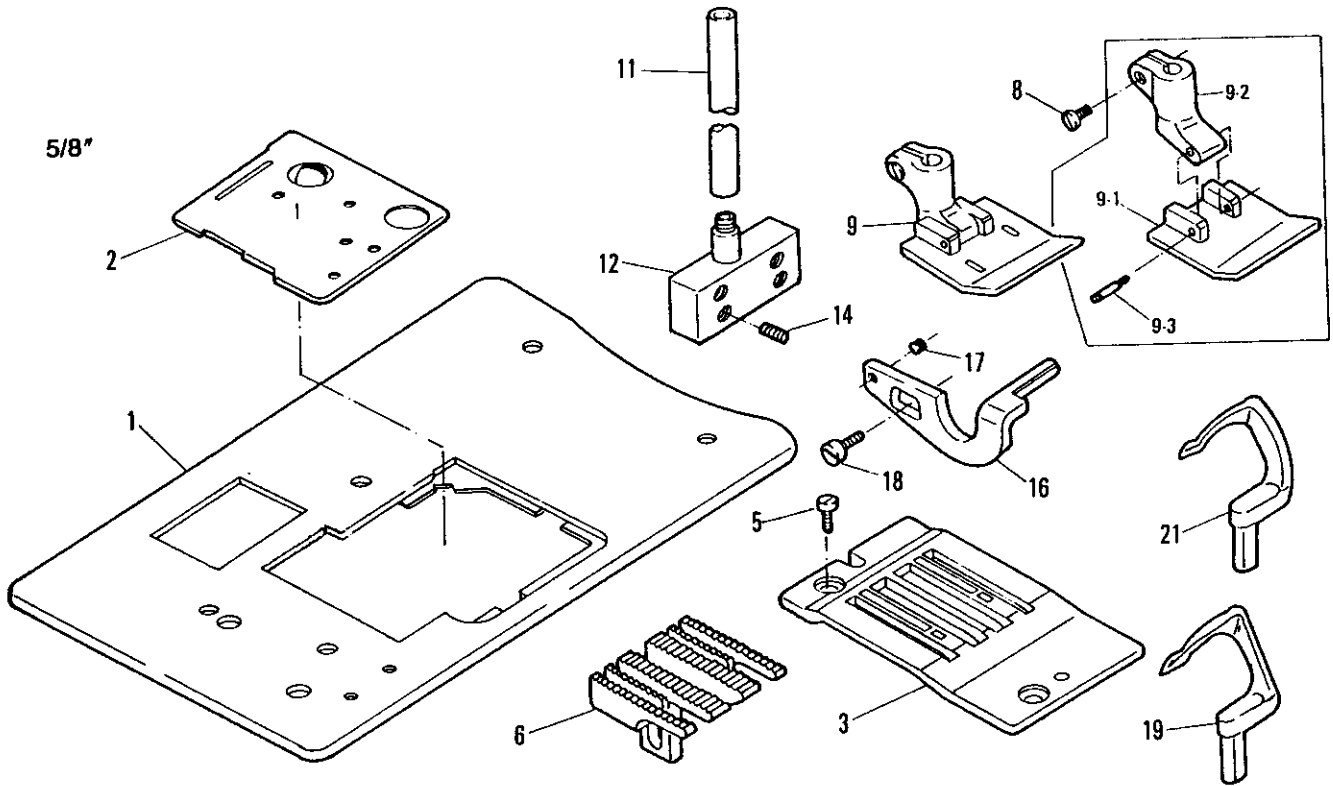
1/2"





| Ref. No. | Part No. | Part Name            | Q'ty | Ref. No. | Part No. | Part Name                  | Q'ty |
|----------|----------|----------------------|------|----------|----------|----------------------------|------|
| 1        | B61001   | Needle Plate (1/8")  | 1    | 14       | B61014   | Feed dog (1/8")            | 1    |
| 2        | B61002   | Needle Plate (3/16") | 1    | 15       | B61015   | Feed dog (3/16")           | 1    |
| 3        | B61003   | Needle Plate (1/4")  | 1    | 16       | B61016   | Feed dog (1/4")            | 1    |
| 4        | B61004   | Needle Plate (5/16") | 1    | 17       | B61017   | Feed dog (5/16")           | 1    |
| 5        | B61005   | Needle Plate (3/8")  | 1    | 18       | B61018   | Feed dog (3/8")            | 1    |
| 6        | B61006   | Needle Plate (1/2")  | 1    | 19       | B61019   | Feed dog (1/2")            | 1    |
| 7        | B61007   | Presser foot (1/8")  | 1    | 20       | B61020   | Needle bar                 | 1    |
| 7-1      | B61007-1 | Presser foot, bottom | 1    | 21       |          |                            |      |
| 7-2      | B61007-2 | Presser foot, shank  | 1    | 22       | B61022   | Screw                      | 2    |
| 7-3      | B61007-3 | Hinge screw          | 1    | 23       | B61023   | Needle holder (1/8")       | 1    |
| 8        | B61008   | Presser foot (3/16") | 1    | 24       | B61024   | Needle holder (3/16")      | 1    |
| 8-1      | B61008-1 | Presser foot, bottom | 1    | 25       | B61025   | Needle holder (1/4")       | 1    |
| 8-2      |          |                      |      | 26       | B61026   | Needle holder (5/16")      | 1    |
| 8-3      |          |                      |      | 27       | B61027   | Needle holder (3/8")       | 1    |
| 9        | B61009   | Presser foot (1/4")  | 1    | 28       | B61028   | Needle holder (1/2")       | 1    |
| 9-1      | B61009-1 | Presser foot, bottom | 1    | 29       |          |                            |      |
| 9-2      | B61009-2 | Hinge screw          | 1    | 30       | B61030   | Screw                      | 2    |
| 9-3      |          |                      |      | 31       | B61031   | Needle guard (1/8", 3/16") | 1    |
| 10       | B61010   | Presser foot (5/16") | 1    | 32       | B61032   | Needle guard (1/4", 5/16") | 1    |
| 10-1     | B61010-1 | Presser foot, bottom | 1    | 33       | B61033   | Needle guard (3/8")        | 1    |
| 10-2     |          |                      |      | 34       | B61034   | Needle guard (1/2")        | 1    |
| 10-3     |          |                      |      | 35       | B61035   | Screw                      | 1    |
| 11       | B61011   | Presser foot (3/8")  | 1    | 36       | B60651   | Screw                      | 1    |
| 11-1     | B61011   | Presser foot bottom  | 1    | 37       | B61037   | Looper, front (1/8")       | 1    |
| 11-2     |          |                      |      | 38       | B61038   | Looper, front (3/16")      | 1    |
| 11-3     |          |                      |      | 39       | B61039   | Looper, front (1/4")       | 1    |
| 12       | B61012   | Presser foot (1/2")  | 1    | 40       | B61040   | Looper, front (5/16")      | 1    |
| 12-1     | B61012-1 | Presser foot, bottom | 1    | 41       | B61041   | Looper, front (3/8")       | 1    |
| 12-2     |          |                      |      | 42       | B61042   | Looper, front (1/2")       | 1    |
| 12-3     |          |                      |      | 43       | B61043   | Looper, rear (1/8" - 1/2") | 1    |
| 13       | B61013   | Screw                | 1    |          |          |                            |      |

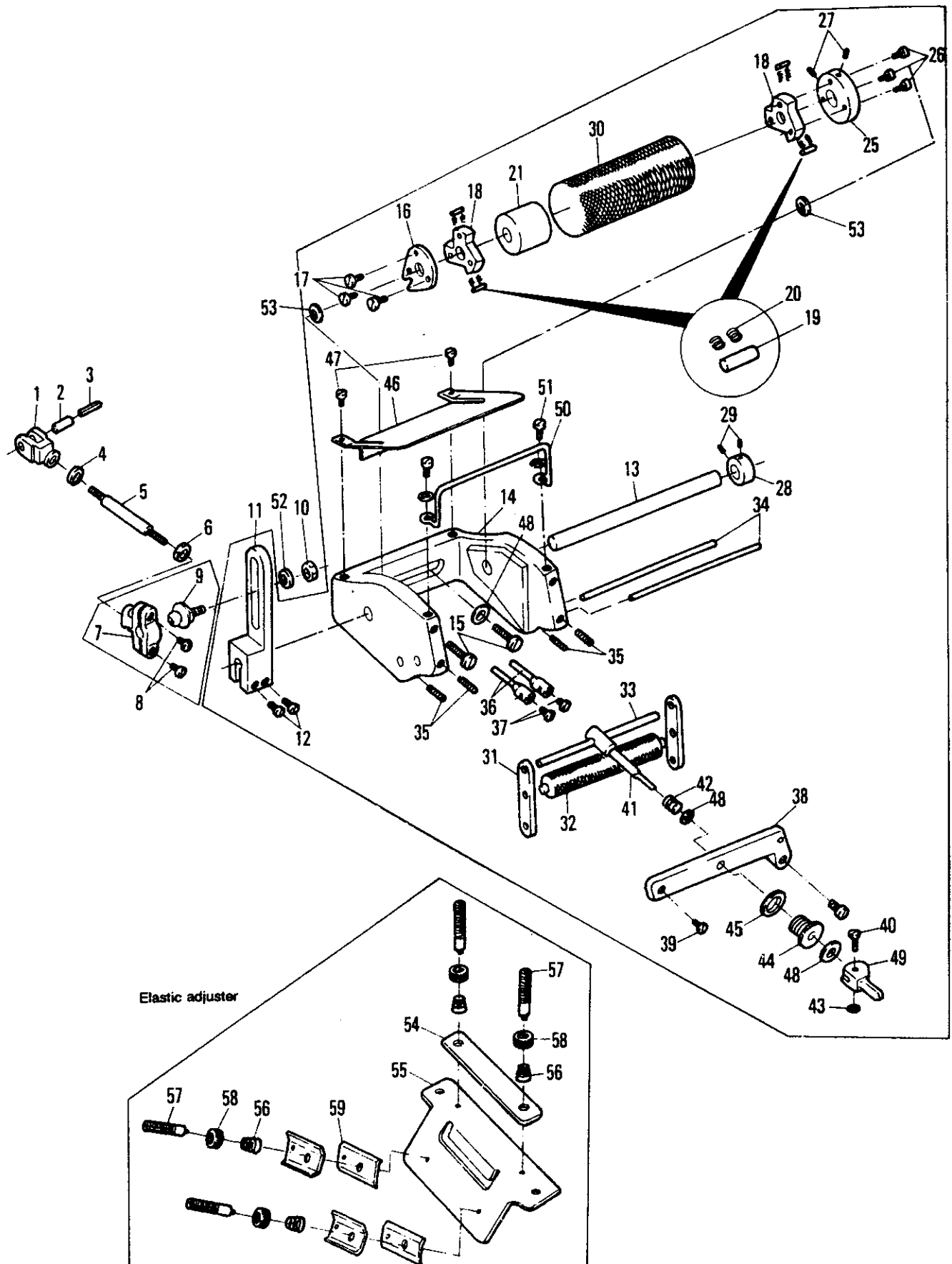
# 11. Gauge (2)



| Ref. No. | Part No. | Part Name                      | Q'ty |
|----------|----------|--------------------------------|------|
| 1        | B61101   | Upper cloth plate . . . . .    | 1    |
| 2        | B61102   | Slide plate . . . . .          | 1    |
| 3        | B61103   | Needle plate (5/8") . . . . .  | 1    |
| 4        | B61104   | Needle plate (3/4") . . . . .  | 1    |
| 5        | B61030   | Screw . . . . .                | 2    |
| 6        | B61106   | Feed dog (5/8") . . . . .      | 1    |
| 7        | B61107   | Feed dog (3/4") . . . . .      | 1    |
| 8        | B61013   | Screw . . . . .                | 1    |
| 9        | B61109   | Presser foot (5/8") . . . . .  | 1    |
| 9-1      | B61109-1 | Presser foot, bottom . . . . . | 1    |
| 9-2      | B61007-2 | Presser foot, shank . . . . .  | 1    |
| 9-3      | B61009-2 | Hinge screw . . . . .          | 1    |
| 10       | B61110   | Presser foot (3/4") . . . . .  | 1    |
| 10-1     | B61110-1 | Presser foot, bottom . . . . . | 1    |

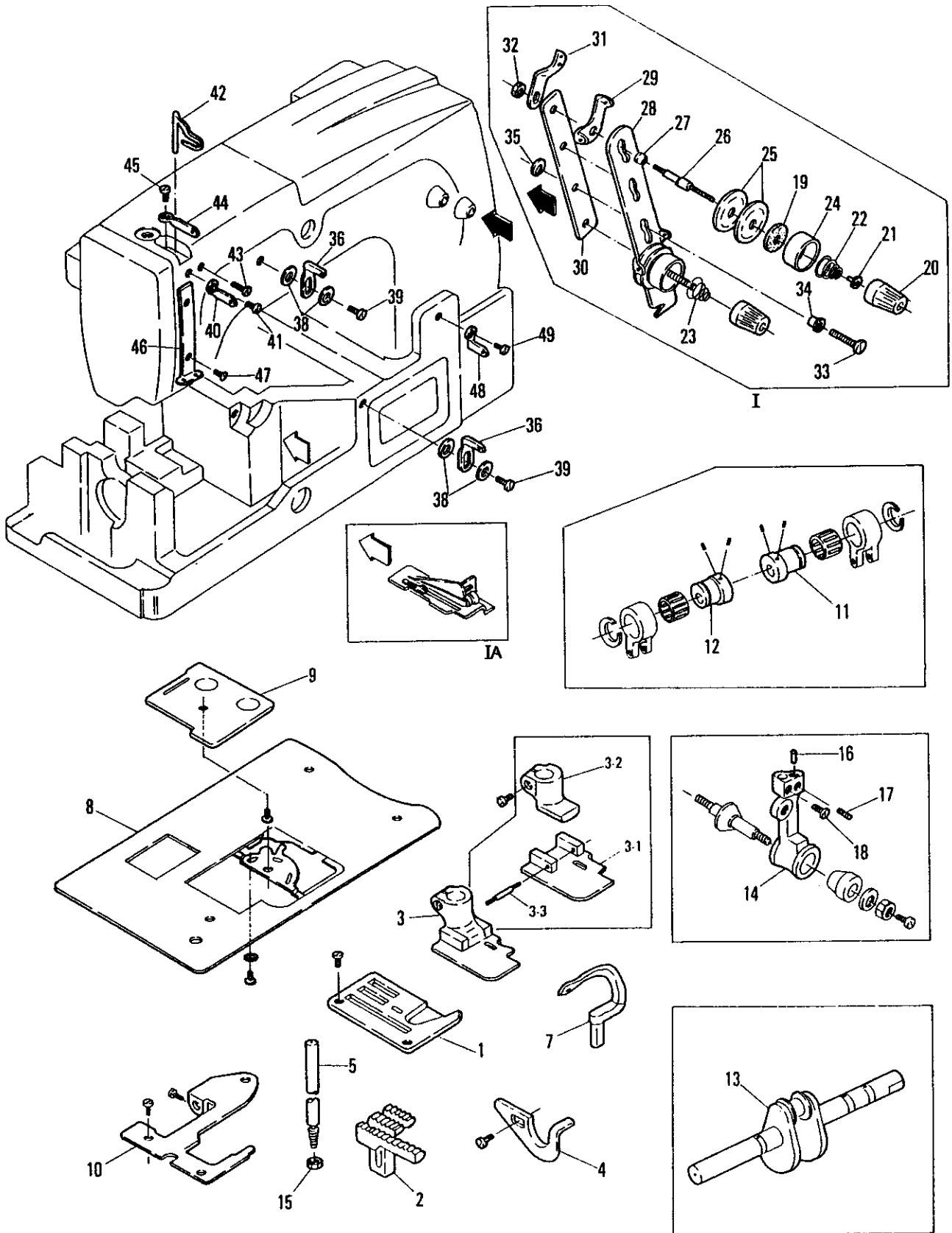
| Ref. No. | Part No. | Part Name                           | Q'ty |
|----------|----------|-------------------------------------|------|
| 10-2     |          |                                     |      |
| 10-3     |          |                                     |      |
| 11       | B61020   | Needle bar (5/8", 3/4") . . . . .   | 1    |
| 12       | B61112   | Needle holder (5/8") . . . . .      | 1    |
| 13       | B61113   | Needle holder (3/4") . . . . .      | 1    |
| 14       | B61022   | Screw . . . . .                     | 2    |
| 15       |          |                                     |      |
| 16       | B61116   | Needle guard (5/8", 3/4") . . . . . | 1    |
| 17       | B61035   | Screw . . . . .                     | 1    |
| 18       | B60651   | Screw . . . . .                     | 1    |
| 19       | B61119   | Looper, front (5/8") . . . . .      | 1    |
| 20       | B61120   | Looper, front (3/4") . . . . .      | 1    |
| 21       | B61121   | Looper, rear (5/8", 3/4") . . . . . | 1    |

76702 PMD•76704 PMD Subclass models  
12. Front puller mechanism



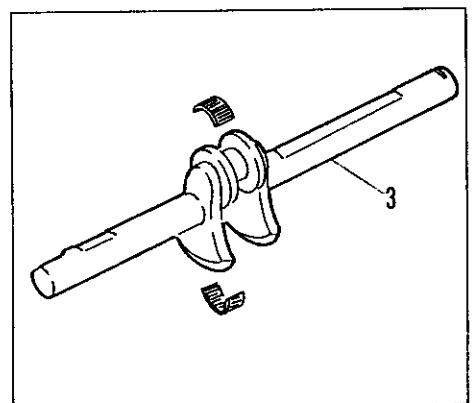
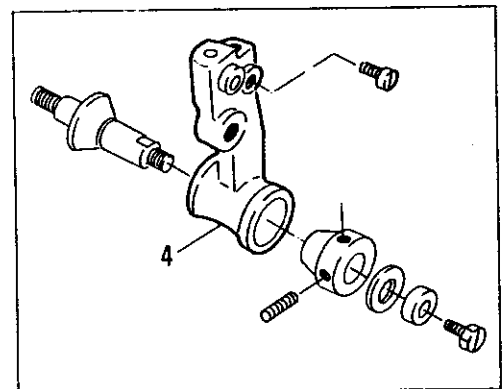
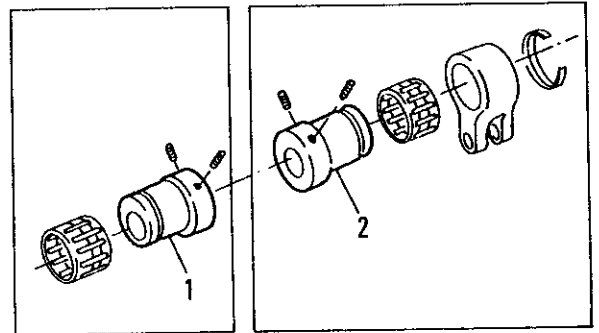
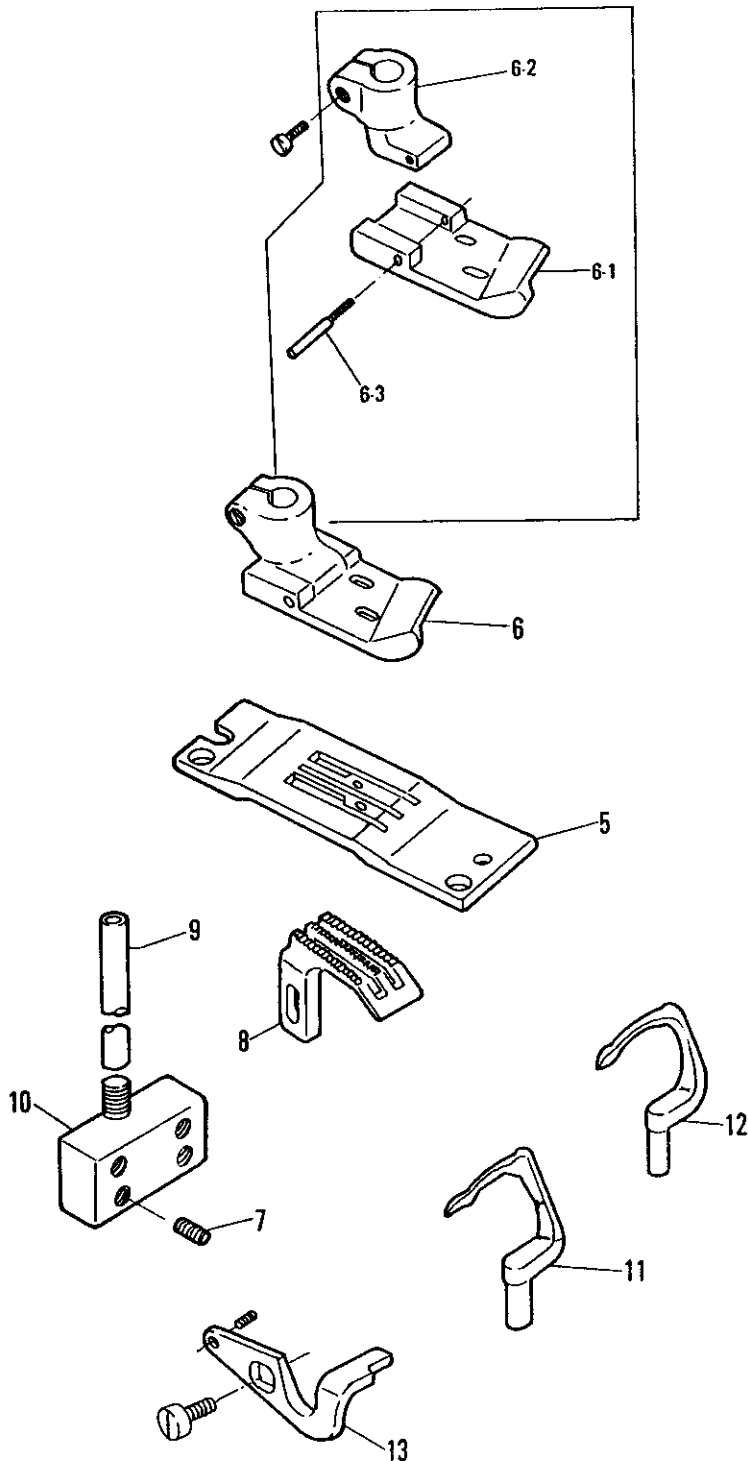
| Ref. No. | Part No. | Part Name                              | Q'ty | Ref. No. | Part No. | Part Name                             | Q'ty |
|----------|----------|--|------|----------|----------|---------------------------------------|------|
| 1        | B61201   | Connecting link . . . . .              | 1    | 31       | B61231   | Roller holder . . . . .               | 2    |
| 2        | B60512   | Pin . . . . .                          | 1    | 32       | B61232   | Roller. . . . .                       | 1    |
| 3        | B60446   | Felt . . . . .                         | 1    | 33       | B61233   | Pivot shaft . . . . .                 | 1    |
| 4        | B61204   | Nut . . . . .                          | 1    | 34       | B61234   | Pivot shaft . . . . .                 | 2    |
| 5        | B61205   | Puller connecting bar . . . . .        | 1    | 35       | B61235   | Screw . . . . .                       | 4    |
| 6        | B60628   | Nut . . . . .                          | 1    | 36       | B61236   | Pivot shaft holder . . . . .          | 2    |
| 7        | B60701   | Connecting ball joint . . . . .        | 1    | 37       | B60162   | Screw . . . . .                       | 2    |
| 8        | B60702   | Screw . . . . .                        | 2    | 38       | B61238   | Rubber tightener . . . . .            | 1    |
| 9        | B61209   | Connecting rod . . . . .               | 1    | 39       | B60123   | Screw . . . . .                       | 2    |
| 10       | B60644   | Nut . . . . .                          | 1    | 40       | B61240   | Pin . . . . .                         | 1    |
| 11       | B61211   | Puller connecting lever . . . . .      | 1    | 41       | B61241   | Roller controler . . . . .            | 1    |
| 12       | B61212   | Screw . . . . .                        | 2    | 42       | B61242   | Spring . . . . .                      | 1    |
| 13       | B61213   | Puller rocker shaft . . . . .          | 1    | 43       | B61243   | E-ring . . . . .                      | 1    |
| 14       | B61214   | Puller rocker . . . . .                | 1    | 44       | B61244   | Screw . . . . .                       | 1    |
| 15       | B61215   | Screw . . . . .                        | 2    | 45       | B61245   | Nut . . . . .                         | 1    |
| 16       | B61216   | Puffer clutch driving collar . . . . . | 1    | 46       | B61246   | Puller cover . . . . .                | 1    |
| 17       | B60162   | Screw . . . . .                        | 3    | 47       | B60132   | Screw . . . . .                       | 2    |
| 18       | B60940   | Puller driving clutch . . . . .        | 2    | 48       | B60111   | Washer . . . . .                      |      |
| 19       | B60949   | Puller clutch roller . . . . .         | 6    | 49       | B61249   | Lever . . . . .                       | 1    |
| 20       | B60950   | Puller driving clutch spring . . . . . | 12   | 50       | B61250   | Guide . . . . .                       | 1    |
| 21       | B61221   | Puller thrust collar . . . . .         | 1    | 51       | B60123   | Screw . . . . .                       | 2    |
| 22       |          |  |      | 52       | B60645   | Washer . . . . .                      | 1    |
| 23       |          |  |      | 53       |          | Washer . . . . .                      |      |
| 24       |          |  |      | 54       | B61254   | Strip tension base . . . . .          | 1    |
| 25       | B61225   | Clutch driving collar . . . . .        | 1    | 55       | B61255   | Strip tension plate . . . . .         | 1    |
| 26       | B60162   | Screw . . . . .                        | 3    | 56       | B61256   | Spring . . . . .                      | 4    |
| 27       | B61227   | Screw . . . . .                        | 2    | 57       | B61257   | Tension post . . . . .                | 4    |
| *28      | B60830   | Shaft collar . . . . .                 | 1    | 58       | B61258   | Nut . . . . .                         | 4    |
| 29       | B60659   | Screw . . . . .                        | 2    | 59       | B61259   | Strip tension plate (small) . . . . . | 4    |
| 30       | B61230   | Puller pipe . . . . .                  | 1    |          |          |                                       |      |

Subclass model  
13. 76701 P-HP-C



| Ref. No. | Part No. | Part Name                              | Q'ty | Ref. No. | Part No. | Part Name                              | Q'ty |
|----------|----------|--|------|----------|----------|--|------|
| 1        | B61301   | Needle plate . . . . .                 | 1    | 24       | B60205   | Tension disc cover . . . . .           | 2    |
| 2        | B61302   | Feed dog . . . . .                     | 1    | 25       | B60206   | Tension disc . . . . .                 | 4    |
| 3        | B61303   | Pressure foot . . . . .                | 1    | 26       | B60207   | Tension post . . . . .                 | 2    |
| 3-1      | B61303-1 | Presser foot bottom . . . . .          | 1    | 27       | B60208   | Tension post collar . . . . .          | 2    |
| 3-2      | B61303-2 | Presser foot shank . . . . .           | 1    | 28       | B60209   | Tension post support . . . . .         | 1    |
| 3-3      | B61303-3 | Hinge screw . . . . .                  | 1    | 29       | B60210   | Tension post thread eyelet . . . . .   | 2    |
| 4        | B61304   | Needle guard . . . . .                 | 1    | 30       | B60211   | Tension post holder . . . . .          | 1    |
| 5        | B61305   | Needle bar . . . . .                   | 1    | 31       | B60212   | Lead in thread eyelet . . . . .        | 2    |
| 6        |          |  |      | 32       | B60213   | Nut . . . . .                          | 1    |
| 7        | B61307   | Looper . . . . .                       | 1    | 33       | B61333   | Screw . . . . .                        | 1    |
| 8        | B61308   | Upper cloth plate . . . . .            | 1    | 34       |          |  |      |
| 9        | B61309   | Slide plate . . . . .                  | 1    | 35       | B60111   | Washer . . . . .                       | 1    |
| 10       | B62018   | Needle plate support . . . . .         | 1    | 36       | B60219   | Needle thread eyelet 1 . . . . .       | 2    |
| 11       | B60615   | Feed eccentric (0.9) . . . . .         | 1    | 37       |          |  |      |
| 12       | B60615   | Feed eccentric (0.9) . . . . .         | 1    | 38       | B60105   | Washer . . . . .                       | 4    |
| 13       | B60528   | Crank shaft (H) . . . . .              | 1    | 39       | B60123   | Screw . . . . .                        | 2    |
| 14       | B61314   | Looper holder . . . . .                | 1    | 40       | B60222   | Needle lever thread eyelet 1 . . . . . | 1    |
| 15       | B61315   | Nut . . . . .                          | 1    | 41       | B60132   | Screw . . . . .                        | 1    |
| 16       | B61316   | Pin . . . . .                          | 1    | 42       | B80236   | Needle thread take-up wire . . . . .   | 1    |
| 17       | B60241   | Screw . . . . .                        | 1    | 43       | B80225   | Screw . . . . .                        | 1    |
| 18       | B60738   | Screw . . . . .                        | 1    | 44       | B60226   | Needle bar thread eyelet 1 . . . . .   | 1    |
| 19       | B60214   | Felt . . . . .                         | 2    | 45       | B60132   | Screw . . . . .                        | 1    |
| 20       | B60201   | Tension regulating nut . . . . .       | 2    | 46       | B60228   | Needle thread guide. 3 . . . . .       | 1    |
| 21       | B60202   | Tension disc ratchet . . . . .         | 2    | 47       | B60229   | Screw . . . . .                        | 2    |
| 22       | B60203   | Needle thread tension spring . . . . . | 1    | 48       | B60230   | Looper thread eyelet 1 . . . . .       | 1    |
| 23       | B60204   | Looper thread tension spring . . . . . | 1    | 49       | B60231   | Screw . . . . .                        | 1    |

Subclass model  
**14. 76702 P-HD**

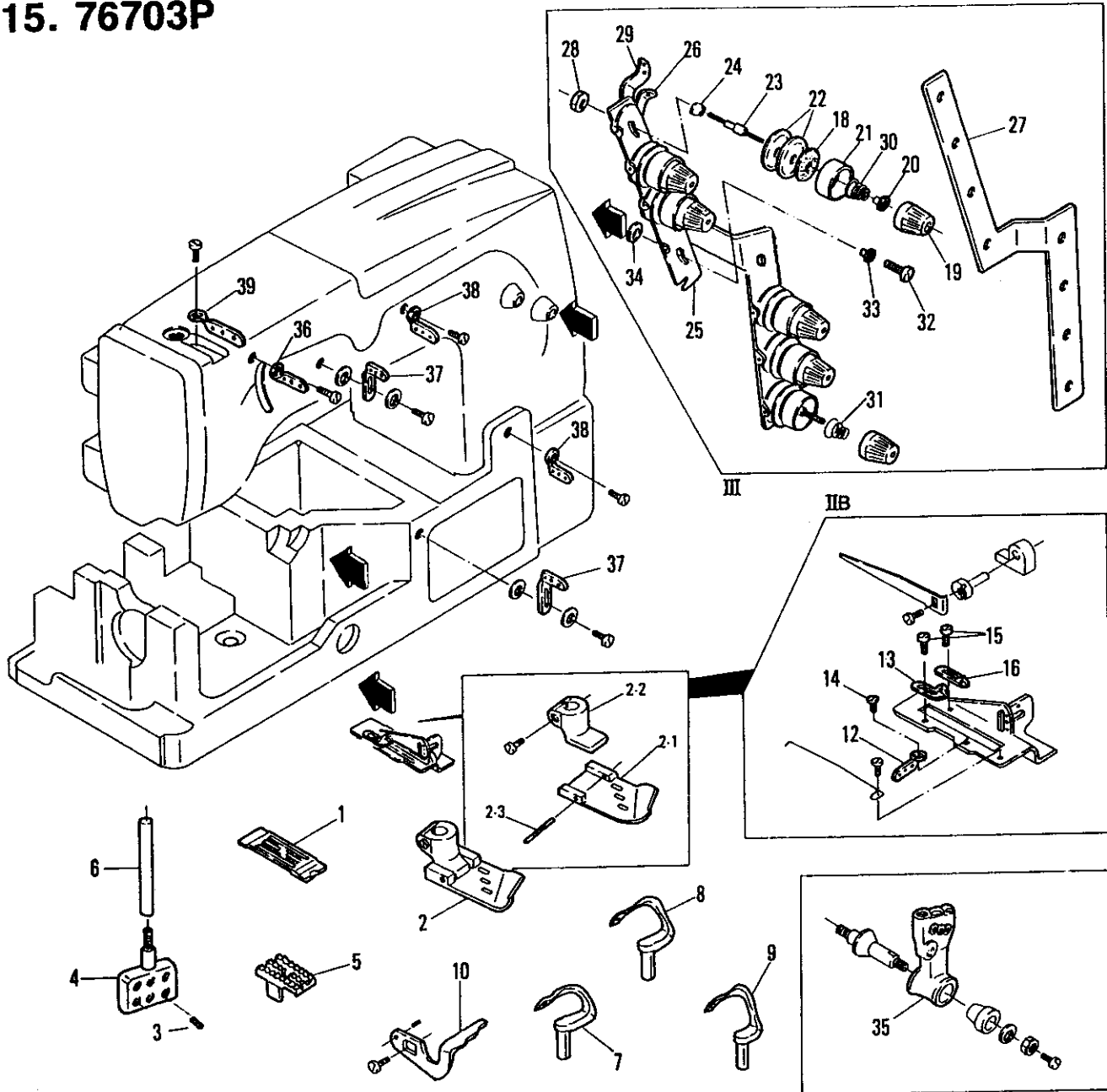


| Ref. No. | Part No. | Part Name           | Q'ty |
|----------|----------|---------------------|------|
| 1        | B60615   | Feed eccentric 0.9  | 1    |
| 2        | B60615   | Feed eccentric 0.9  | 1    |
| 3        | B60528   | Crank shaft (H)     | 1    |
| 4        | B61404   | Looper holder       | 1    |
| 5        | B61405   | Needle plate (1/4") | 1    |
| 6        | B61406   | Presser foot (1/4") | 1    |
| 6-1      | B61406-1 | Presser foot bottom | 1    |
| 6-2      | B61406-2 | Presser foot shank  | 1    |

| Ref. No. | Part No. | Part Name            | Q'ty |
|----------|----------|----------------------|------|
| 6-3      | B61406-3 | Hinge screw          | 1    |
| 7        | B61022   | Screw                | 2    |
| 8        | B61408   | Feed dog (1/4")      | 1    |
| 9        | B61020   | Needle bar (1/4")    | 1    |
| 10       | B61025   | Needle holder (1/4") | 1    |
| 11       | B61411   | Looper, front (1/4") | 1    |
| 12       | B61412   | Looper, rear         | 1    |
| 13       | B61413   | Needle guard         | 1    |

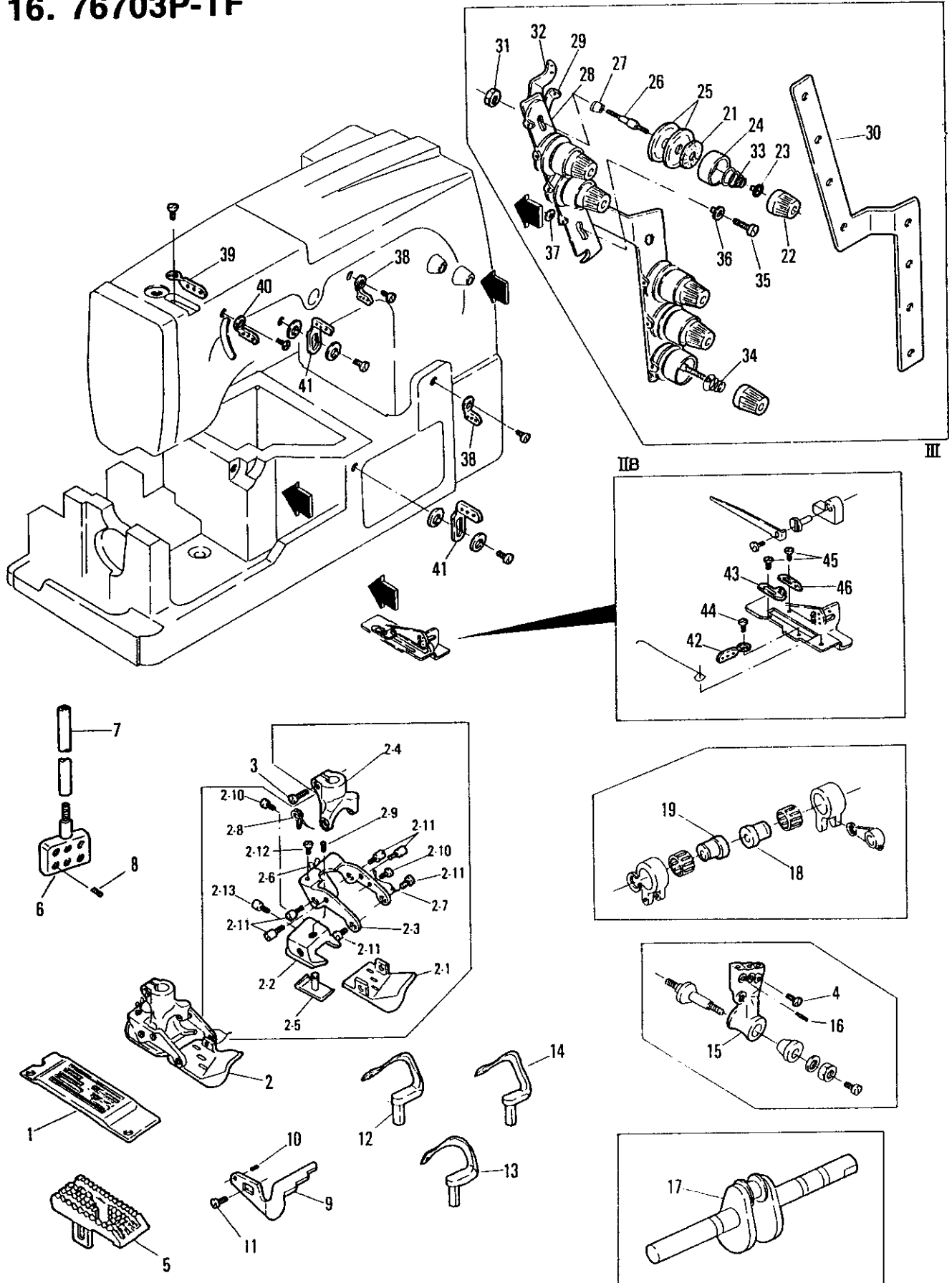


**Subclass model  
15. 76703P**



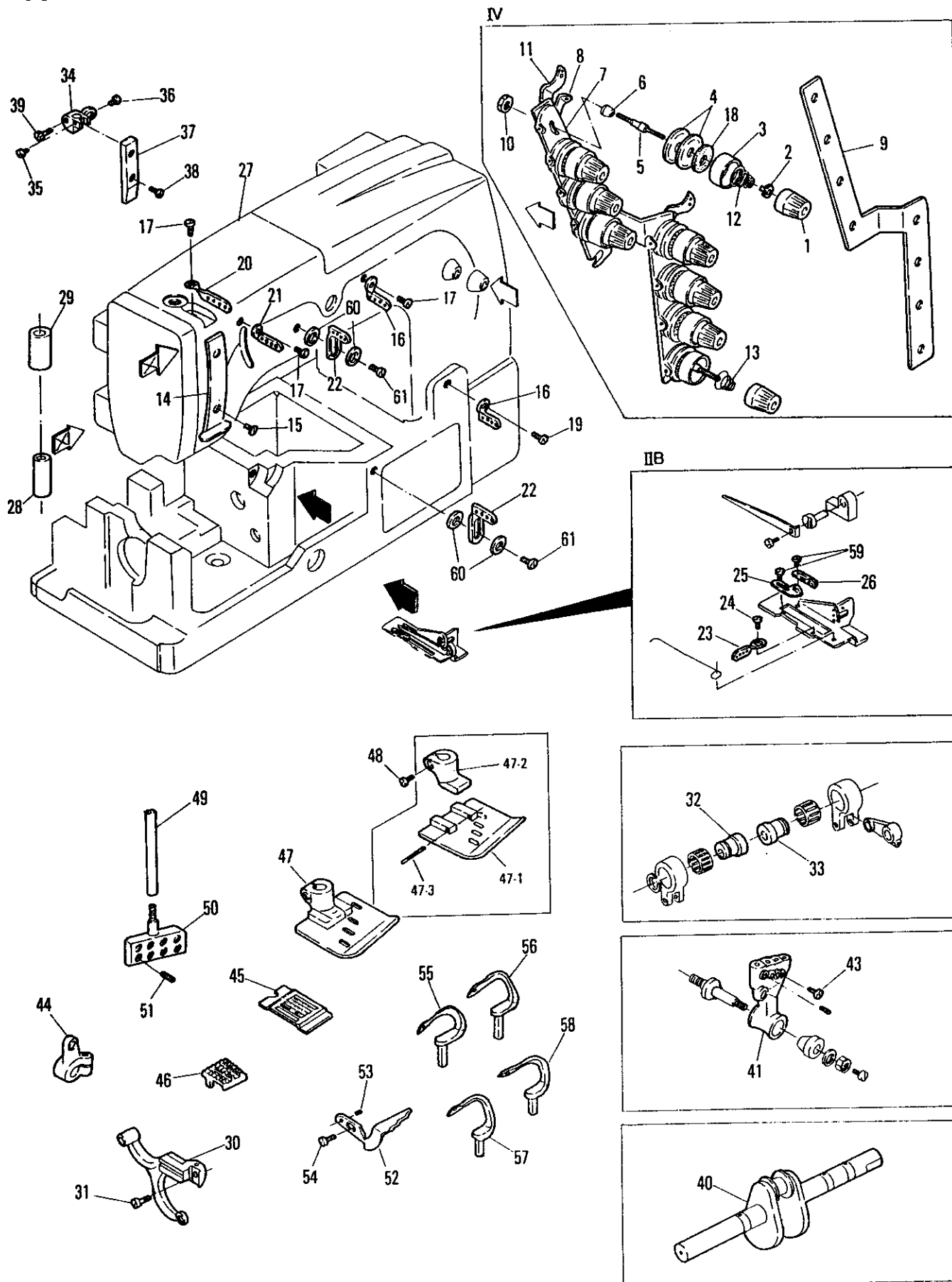
| Ref. No. | Part No. | Part Name                          | Q'ty | Ref. No. | Part No. | Part Name                    | Q'ty |
|----------|----------|------------------------------------|------|----------|----------|------------------------------|------|
| 1        | B61501   | Needle plate (1/4")                | 1    | 19       | B60201   | Tension disc cover (small)   | 6    |
| 2        | B61502   | Presser foot (1/4")                | 1    | 20       | B60202   | Tension disc ratchet         | 6    |
| 2-1      | B61502-1 | Presser foot bottom                | 1    | 21       | B60205   | Tension disc cover (large)   | 6    |
| 2-2      | B61502-2 | Presser foot shank                 | 1    | 22       | B60206   | Tension disc                 | 12   |
| 2-3      | B61502-3 | Hinge screw                        | 1    | 23       | B60207   | Tension post                 | 6    |
| 3        | B61022   | Screw                              | 3    | 24       | B60208   | Tension post collar          | 6    |
| 4        | B61504   | Needle holder (1/4")               | 1    | 25       | B60209   | Tension post support         | 1    |
| 5        | B61505   | Feed dog (1/4")                    | 1    | 26       | B60210   | Tension post thread eyelet   | 6    |
| 6        | B61020   | Needle bar (1/4")                  | 1    | 27       | B80214   | Tension post holder large    | 1    |
| 7        | B61507   | Looper, front (1/4")               | 1    | 28       | B60213   | Nut                          | 5    |
| 8        | B61508   | Looper, center                     | 1    | 29       | B60212   | Lead in thread eyelet        | 6    |
| 9        | B61509   | Looper, rear (1/4")                | 1    | 30       | B60203   | Needle thread tension spring | 3    |
| 10       | B61510   | Needle guard                       | 1    | 31       | B60204   | Looper thread tension spring | 3    |
| 11       |          |                                    |      | 32       | B61333   | Screw                        | 1    |
| 12       | B61512   | Looper thread eyelet 4             | 1    | 33       |          |                              |      |
| 13       | B60235   | Looper thread guide eyelet (left)  | 1    | 34       | B60111   | Washer                       | 1    |
| 14       | B60233   | Screw                              | 1    | 35       | B61535   | Looper holder                | 1    |
| 15       | B60233   | Screw                              | 2    | 36       | B60222   | Needle lever thread eyelet 3 | 1    |
| 16       | B60234   | Looper thread guide eyelet (right) | 1    | 37       | B60219   | Needle thread eyelet 3       | 2    |
| 17       |          |                                    |      | 38       | B60230   | Thread eyelet 3              | 2    |
| 18       | B60214   | Felt                               | 6    | 39       | B60225   | Needle bar thread eyelet 3   | 1    |

Subclass model  
**16. 76703P-TF**



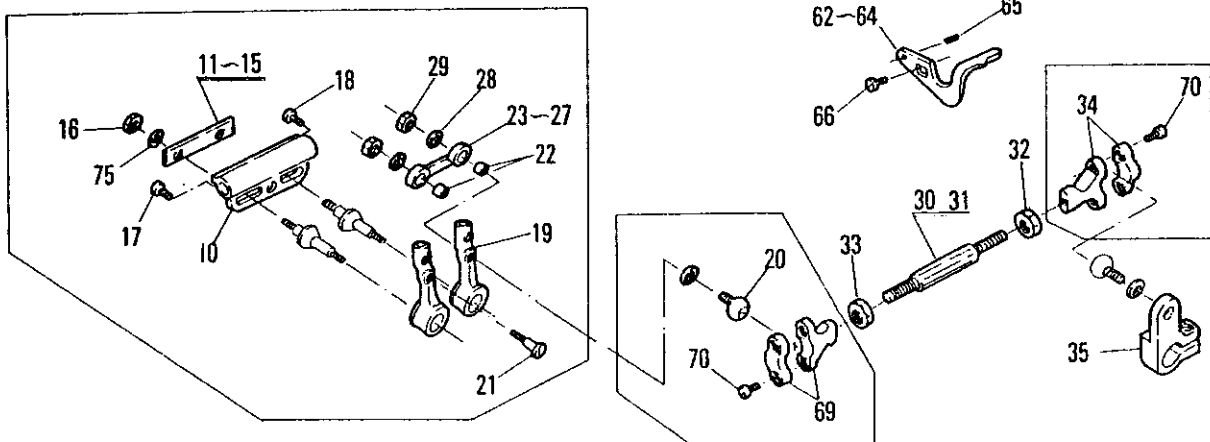
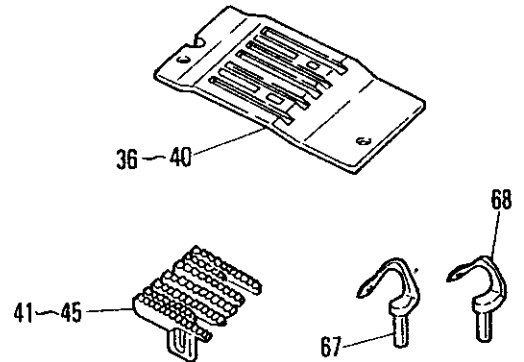
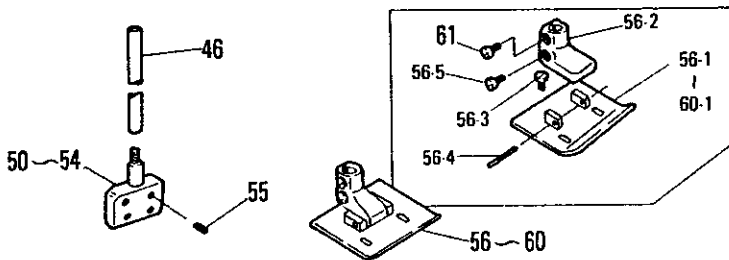
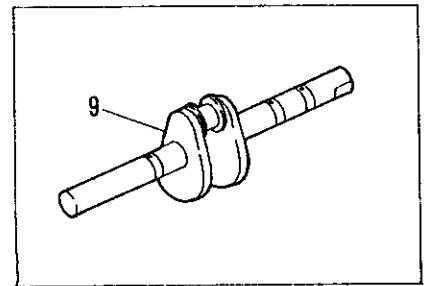
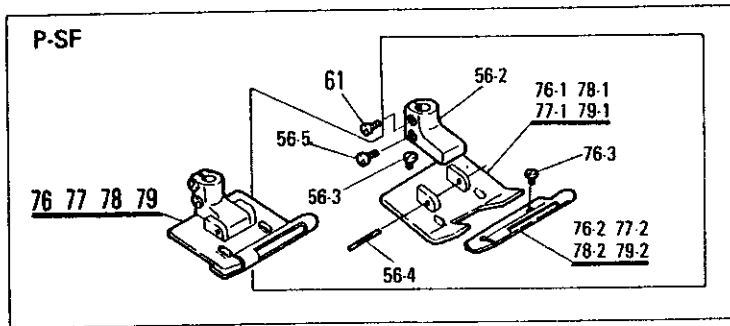
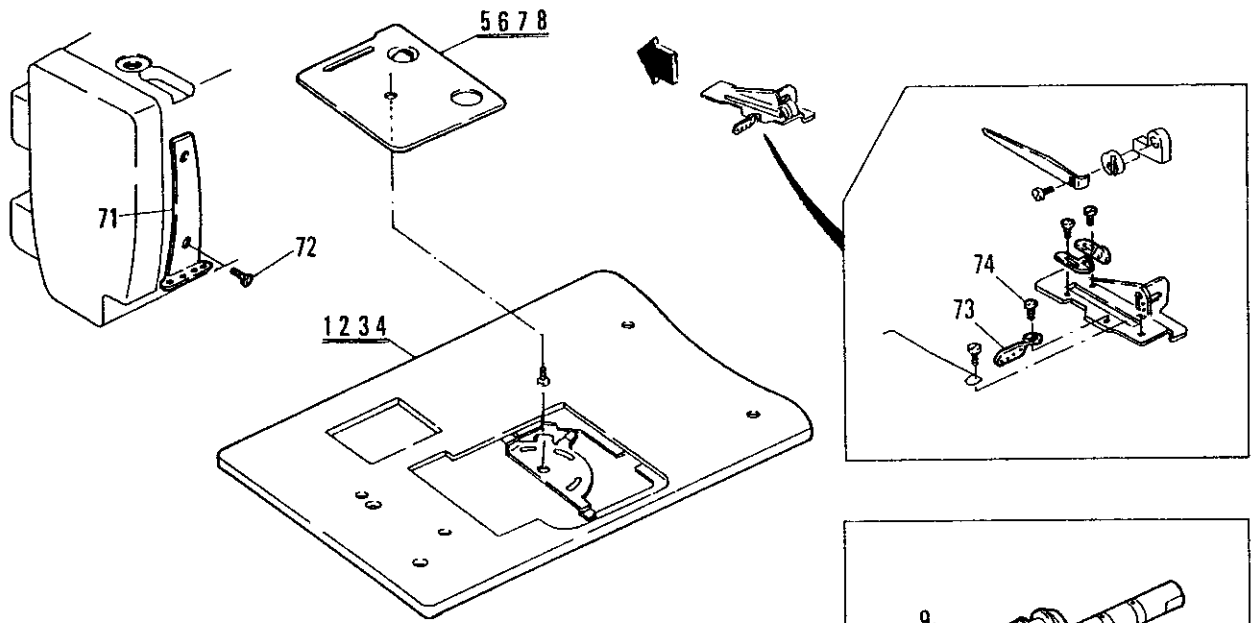
| Ref. No. | Part No. | Part Name                       | Q'ty | Ref. No. | Part No. | Part Name                          | Q'ty |
|----------|----------|---------------------------------|------|----------|----------|------------------------------------|------|
| 1        | B61601   | Needle plate (1/4")             | 1    | 18       | B60615   | Looper eccentric (0.9)             | 1    |
| 2        | B61602   | Pressure foot (1/4")            | 1    | 19       | B60615   | Feed eccentric (0.9)               | 1    |
| 2-1      |          | Bottom front section            | 1    | 20       |          |                                    |      |
| 2-2      |          | Bottom rear section             | 1    | 21       | B60214   | Felt                               | 6    |
| 2-3      |          | Yoke                            | 1    | 22       | B60201   | Tension disc cover (small)         | 6    |
| 2-4      |          | Presser foot shank              | 1    | 23       | B60202   | Tension disc ratchet               | 6    |
| 2-5      |          | Yielding section                | 1    | 24       | B60205   | Tension disc cover (large)         | 6    |
| 2-6      |          | Equalizing spring rear section  | 1    | 25       | B60206   | Tension disc                       | 12   |
| 2-7      |          | Equalizing spring front section | 1    | 26       | B60207   | Tension post                       | 6    |
| 2-8      |          | Yielding section spring         | 1    | 27       | B60208   | Tension post collar                | 6    |
| 2-9      |          | Adjusting nut                   | 1    | 28       | B60209   | Tension post support               | 1    |
| 2-10     |          | Screw                           | 2    | 29       | B60210   | Tension post thread eyelet         | 6    |
| 2-11     |          | Hinge screw                     | 6    | 30       | B60214   | Tension post holder large          | 1    |
| 2-12     |          | Screw                           | 1    | 31       | B60213   | Nut                                | 5    |
| 2-13     |          | Screw                           | 1    | 32       | B60212   | Lead in thread eyelet              | 6    |
| 3        | B61013   | Screw                           | 1    | 33       | B60203   | Needle thread tension spring       | 3    |
| 4        | B60738   | Screw                           | 3    | 34       | B60204   | Looper thread tension spring       | 3    |
| 5        | B61605   | Feed dog (1/4")                 | 1    | 35       | B61333   | Screw                              | 1    |
| 6        | B61504   | Needle holder (1/4")            | 1    | 36       |          |                                    |      |
| 7        | B61020   | Needle bar                      | 1    | 37       | B60111   | Washer                             | 1    |
| 8        | B61022   | Screw                           | 3    | 38       | B60230   | Thread eyelet 3                    | 2    |
| 9        | B61510   | Needle guard                    | 1    | 39       | B60226   | Needle bar thread eyelet 3         | 1    |
| 10       | B61035   | Screw                           | 1    | 40       | B60222   | Needle lever thread eyelet 3       | 1    |
| 11       | B60651   | Screw                           | 1    | 41       | B60219   | Needle thread eyelet 3             | 2    |
| 12       | B61507   | Looper, front (1/4")            | 1    | 42       | B61512   | Looper thread eyelet 4             | 1    |
| 13       | B61508   | Looper, center                  | 1    | 43       | B60235   | Looper thread guide eyelet (left)  | 1    |
| 14       | B61509   | Looper, rear (1/4")             | 1    | 44       | B60233   | Screw                              | 1    |
| 15       | B61535   | Looper, holder                  | 1    | 45       | B60233   | Screw                              | 2    |
| 16       | B61616   | Screw                           | 1    | 46       | B60234   | Looper thread guide eyelet (right) | 1    |
| 17       | B60528   | Crank shaft (H)                 | 1    |          |          |                                    |      |

Subclass model  
17. 76704P



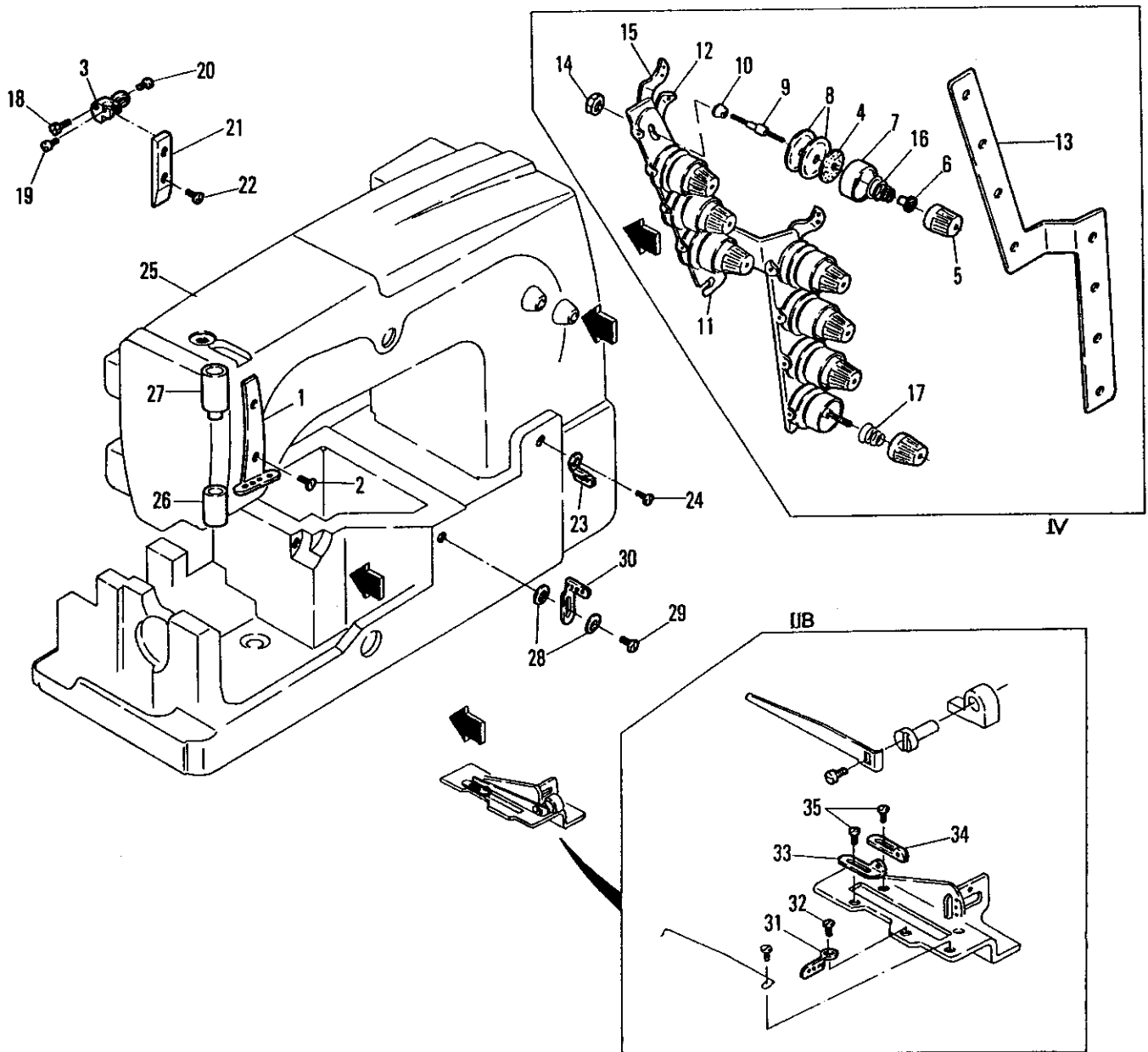
| Ref. No. | Part No. | Part Name                          | Q'ty | Ref. No. | Part No. | Part Name                        | Q'ty |
|----------|----------|------------------------------------|------|----------|----------|----------------------------------|------|
| 1        | B60201   | Tension disc cover (small)         | 8    | 33       | B60615   | Eccentric 0.9 (for looper avoid) | 1    |
| 2        | B60202   | Tension disc ratchet               | 8    | 34       | B60514   | Needle bar connection            | 1    |
| 3        | B60205   | Tension disc cover (large)         | 8    | 35       | B60231   | Screw                            | 1    |
| 4        | B60206   | Tension disc                       | 16   | 36       | B60515   | Screw                            | 1    |
| 5        | B60207   | Tension post                       | 8    | 37       | B60525   | Needle bar guide plate           | 1    |
| 6        | B60208   | Tension post collar                | 8    | 38       | B60107   | Screw                            | 2    |
| 7        | B60209   | Tension post support               | 1    | 39       | B60633   | Screw                            | 1    |
| 8        | B60210   | Tension post thread eyelet (upper) | 8    | 40       | B60528   | Crank shaft (H)                  | 1    |
| 9        | B80214   | Tension post holder (large)        | 1    | 41       | B61741   | Looper holder                    | 1    |
| 10       | B60213   | Nut                                | 6    | 42       |          |                                  |      |
| 11       | B60212   | Lead in thread eyelet (lower)      | 8    | 43       | B60738   | Screw                            | 4    |
| 12       | B60203   | Needle thread tension spring       | 4    | 44       | B61744   | Looper driving lever             | 1    |
| 13       | B60204   | Looper thread tension spring       | 4    | 45       | B61745   | Needle Plate (1")                | 1    |
| 14       | B80238   | Needle thread guide. 4             | 1    | 46       | B61746   | Feed dog (1")                    | 1    |
| 15       | B60229   | Screw                              | 2    | 47       | B61747   | Presser foot (1")                | 1    |
| 16       | B80229   | Thread eyelet 4                    | 2    | 47-1     | B61747-1 | Presser foot bottom.             | 1    |
| 17       | B60132   | Screw                              | 3    | 47-2     | B61747-2 | Presser foot shank.              | 1    |
| 18       | B60214   | Felt                               | 8    | 47-3     | B61747-3 | Pin                              | 1    |
| 19       | B60231   | Screw                              | 1    | 48       | B61013   | Screw                            | 1    |
| 20       | B80235   | Needle bar thread eyelet 4         | 1    | 49       | B61020   | Needle bar                       | 1    |
| 21       | B80234   | Needle lever thread eyelet 4       | 1    | 50       | B61750   | Needle holder                    | 1    |
| 22       | B80233   | Needle thread eyelet 4             | 2    | 51       | B61022   | Screw                            | 4    |
| 23       | B61512   | Looper thread guide eyelet 4       | 1    | 52       | B61752   | Needle guard.                    | 1    |
| 24       | B60233   | Screw                              | 1    | 53       | B61035   | Screw                            | 1    |
| 25       | B80235   | Looper thread guide eyelet (left)  | 1    | 54       | B60651   | Screw                            | 1    |
| 26       | B60234   | Looper thread guide eyelet (right) | 1    | 55       | B61755   | Looper 1                         | 1    |
| 27       | B60101   | Arm bed                            | 1    | 56       | B61756   | Looper 2                         | 1    |
| *28      | B60321   | Needle bar bushing (lower)         | 1    | 57       | B61757   | Looper 3                         | 1    |
| *29      | B60320   | Needle bar bushing (upper)         | 1    | 58       | B61758   | Looper 4                         | 1    |
| 30       | B61730   | Feed rocker                        | 1    | 59       | B60233   | Screw                            | 2    |
| 31       | B60652   | Screw                              | 1    | 60       | B60105   | Washer                           | 4    |
| 32       | B60615   | Eccentric 0.9 (for feed)           | 1    | 61       | B60123   | Screw                            | 2    |

Subclass model  
**18. 76707P•P-SF**



| Ref. No. | Part No. | Part Name                                   | Q'ty | Ref. No. | Part No. | Part Name                                  | Q'ty  |
|----------|----------|---|------|----------|----------|--|-------|
| 1        | B61101   | Upper cloth plate (7/8", 1")                | 1    | 49       | B61850   | Needle holder (7/8")                       | 1     |
| 2        | B61802   | Upper cloth plate (1-1/8")                  | 1    | 50       | B61851   | Needle holder (1")                         | 1     |
| 3        | B61803   | Upper cloth plate (1-1/4")                  | 1    | 51       | B61852   | Needle holder (1-1/8")                     | 1     |
| 4        | B61804   | Upper cloth plate (1-1/2")                  | 1    | 52       | B61853   | Needle holder (1-1/4")                     | 1     |
| 5        | B61102   | Slide plate (7/8", 1")                      | 1    | 53       | B61854   | Needle holder (1-1/2")                     | 1     |
| 6        | B61806   | Slide plate (1-1/8")                        | 1    | 54       | B61022   | Screw                                      | 2     |
| 7        | B61807   | Slide plate (1-1/4")                        | 1    | 55       | B61856   | Presser foot (7/8")                        | 1     |
| 8        | B61808   | Slide plate (1-1/2")                        | 1    | 56       | B61856-1 | Presser foot bottom                        | 1     |
| 9        | B60528   | Crank shaft (M)                             | 1    | 56-1     | B61856-2 | Presser foot shank                         | 1     |
| 10       | B61810   | Looper rocker                               | 1    | 56-2     | B61856-3 | Screw                                      | 1     |
| 11       | B61811   | Connecting supporter (7/8")                 | 1    | 56-3     | B61856-4 | Pin Screw                                  | 1     |
| 12       | B61812   | Connecting supporter (1")                   | 1    | 56-4     | B61856-5 | Screw                                      | 1     |
| 13       | B61813   | Connecting supporter (1-1/8")               | 1    | 56-5     | B61857   | Presser foot (1")                          | 1     |
| 14       | B61814   | Connecting supporter (1-1/4")               | 1    | 57       | B61857-1 | Presser foot bottom                        | 1     |
| 15       | B61815   | Connecting supporter (1-1/2")               | 1    | 57-1     | B61858   | Presser foot (1-1/8")                      | 1     |
| 16       | B60644   | Nut   | 2    | 58       | B61858-1 | Presser foot bottom                        | 1     |
| 17       | B60729   | Screw                                       | 1    | 58-1     | B61859   | Presser foot (1-1/4")                      | 1     |
| 18       | B60729   | Screw                                       | 1    | 59       | B61859-1 | Presser foot bottom                        | 1     |
| 19       | B61819   | Looper holder                               | 2    | 59-1     | B61860   | Presser foot (1-1/2")                      | 1     |
| 20       | B61820   | Connecting rod                              | 1    | 60       | B61860-1 | Presser foot bottom                        | 1     |
| 21       | B61821   | Screw                                       | 1    | 60-1     | B61013   | Screw                                      | 1     |
| 22       | B60930   | Collar                                      | 2    | 61       | B61862   | Needle guard (7/8", 1")                    | 1     |
| 23       | B61823   | Connecting link (7/8")                      | 1    | 62       | B61863   | Needle guard (1-1/8", 1-1/4")              | 1     |
| 24       | B61824   | Connecting link (1")                        | 1    | 63       | B61864   | Needle guard (1-1/2")                      | 1     |
| 25       | B61825   | Connecting link (1-1/8")                    | 1    | 64       | B61035   | Screw                                      | 1     |
| 26       | B61826   | Connecting link (1-1/4")                    | 1    | 65       | B60651   | Screw                                      | 1     |
| 27       | B61827   | Connecting link (1-1/2")                    | 1    | 66       | B61867   | Looper, front                              | 1     |
| 28       |          | Washer                                      | 2    | 67       | B61868   | Looper, rear                               | 1     |
| 29       | B60932   | Nut   | 2    | 68       | B60701   | Looper rocker connecting ball joint (left) | 1     |
| 30       | B61830   | Connecting bar (1-1/8", 1-1/4", 1-1/2")     | 1    | 69       | B60702   | Screw                                      | 4     |
| 31       | B61831   | Connecting bar (1", 7/8")                   | 1    | 70       | B80238   | Needle thread guide 4                      | 1     |
| 32       | B60213   | Nut, right                                  | 1    | 71       | B60229   | Screw                                      | 2     |
| 33       | B60628   | Nut, left                                   | 1    | 72       | B61512   | Looper thread guide eyelet 4               | 1     |
| 34       | B61834   | Looper rocker connecting ball joint (right) | 1    | 73       | B60233   | Screw                                      | 1     |
| 35       | B62033   | Looper driving lever                        | 1    | 74       | B60645   | Washer                                     | 2     |
| 36       | B61836   | Needle plate (7/8")                         | 1    | 75       | B61876   | Presser foot P-SF (1")                     | 1 set |
| 37       | B61837   | Needle plate (1")                           | 1    | 76       | B61876-1 | Presser foot bottom (1")                   | 1     |
| 38       | B61838   | Needle plate (1-1/8")                       | 1    | 76-1     | B61876-2 | Yielding section (1")                      | 1     |
| 39       | B61839   | Needle plate (1-1/4")                       | 1    | 76-2     | B61876-3 | Screw                                      | 2     |
| 40       | B61840   | Needle plate (1-1/2")                       | 1    | 76-3     | B61877   | Presser foot, P-SF (1-1/8")                | 1 Set |
| 41       | B61841   | Feed dog (7/8")                             | 1    | 77       | B61877-1 | Presser foot bottom (1-1/8")               | 1     |
| 42       | B61842   | Feed dog (1")                               | 1    | 77-1     | B61877-2 | Yielding section (1-1/8")                  | 1     |
| 43       | B61843   | Feed dog (1-1/8")                           | 1    | 77-2     | B61878   | Presser foot P-SF (1-1/4")                 | 1 Set |
| 44       | B61844   | Feed dog (1-1/4")                           | 1    | 78       | B61878-1 | Presser foot bottom (1-1/4")               | 1     |
| 45       | B61845   | Feed dog (1-1/2")                           | 1    | 78-1     | B61878-2 | Yielding section (1-1/4")                  | 1     |
| 46       | B61020   | Needle bar                                  | 1    | 78-2     | B61879   | Presser foot P-SF (1-1/2")                 | 1 Set |
| 47       |          |   |      | 79       | B61879-1 | Presser foot, bottom (1-1/2")              | 1     |
| 48       |          |   |      | 79-1     | B61879-2 | Yielding section (1-1/2")                  | 1     |
|          |          |   |      | 79-2     |          |  |       |

76708P Subclass model  
**19. (1) Thread eyelet components**

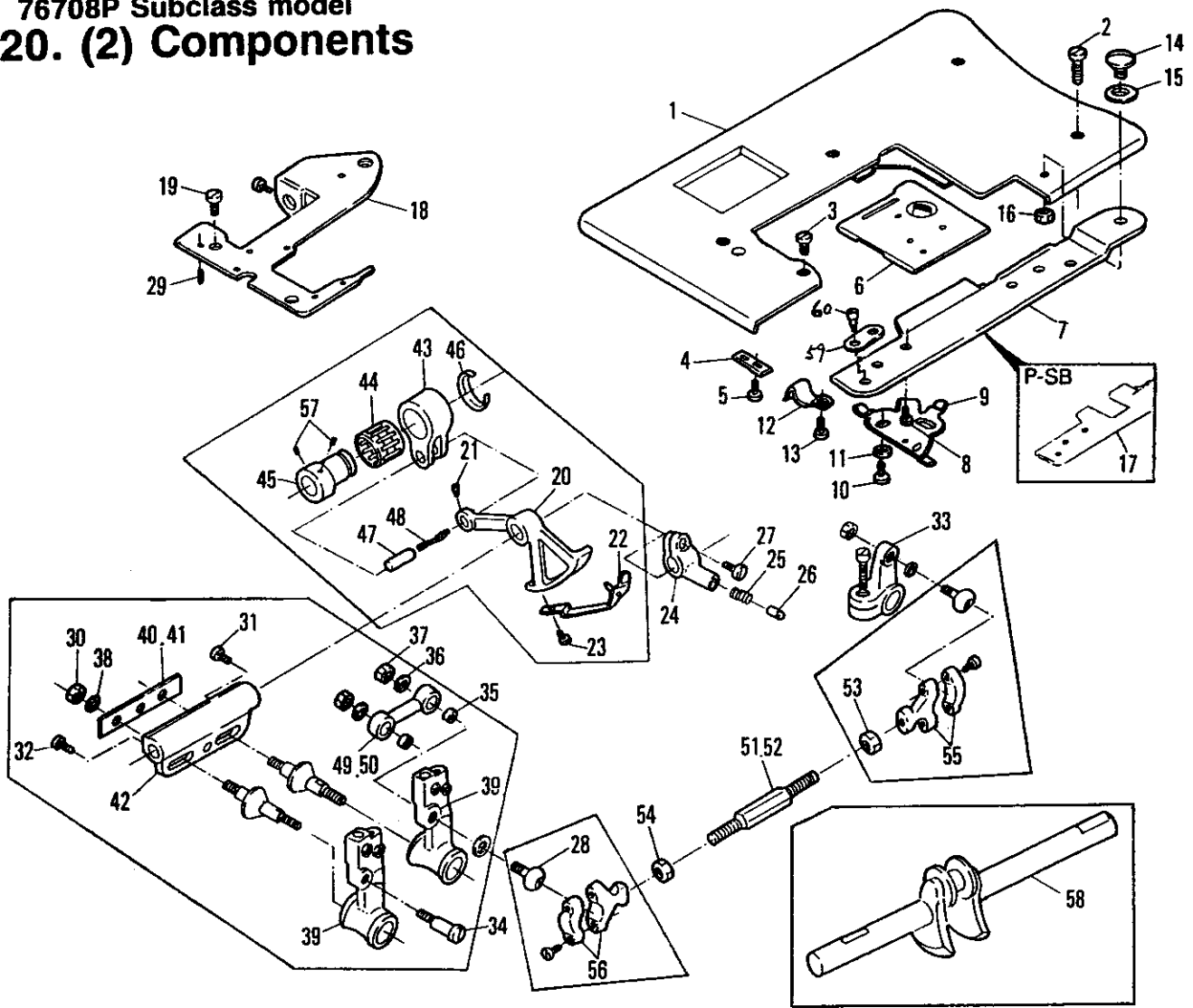


| Ref. No. | Part No. | Part Name                          | Q'ty |
|----------|----------|------------------------------------|------|
| 1        | B80238   | Needle thread guide. 4             | 1    |
| 2        | B60229   | Screw                              | 2    |
| 3        | B60514   | Needle bar connection              | 1    |
| 4        | B60214   | Felt                               | 8    |
| 5        | B60201   | Tension disc cover (small)         | 8    |
| 6        | B60202   | Tension disc racher                | 8    |
| 7        | B60205   | Tension disc cover (large)         | 8    |
| 8        | B60206   | Tension disc                       | 16   |
| 9        | B60207   | Tension post                       | 8    |
| 10       | B60208   | Tension post collar                | 8    |
| 11       | B60209   | Tension post support               | 1    |
| 12       | B60210   | Tension post thread eyelet (upper) | 8    |
| 13       | B80214   | Tension post holder (large)        | 1    |
| 14       | B60213   | Nut                                | 6    |
| 15       | B60212   | Lead in thread eyelet (lower)      | 8    |
| 16       | B60203   | Needle thread tension spring       | 4    |
| 17       | B60204   | Looper thread tension spring       | 4    |
| 18       | B60633   | Screw                              | 1    |

| Ref. No. | Part No. | Part Name                          | Q'ty |
|----------|----------|------------------------------------|------|
| 19       | B60231   | Screw                              | 1    |
| 20       | B60515   | Screw                              | 1    |
| 21       | B60525   | Needle bar guide plate             | 1    |
| 22       | B60107   | Screw                              | 2    |
| 23       | B80229   | Looper thread eyelet 4             | 1    |
| 24       | B60231   | Screw                              | 1    |
| 25       | B60101   | Arm bed                            | 1    |
| *26      | B60321   | Needle bar bushing (lower)         | 1    |
| *27      | B60320   | Needle bar bushing (upper)         | 1    |
| 28       | B60105   | Washer                             | 2    |
| 29       | B60123   | Screw                              | 1    |
| 30       | B80233   | Needle thread eyelet 4             | 1    |
| 31       | B61512   | Looper thread guide eyelet 4       | 1    |
| 32       | B60233   | Screw                              | 1    |
| 33       | B60235   | Looper thread guide eyelet (left)  | 1    |
| 34       | B60234   | Looper thread guide eyelet (right) | 1    |
| 35       | B60233   | Screw                              | 2    |

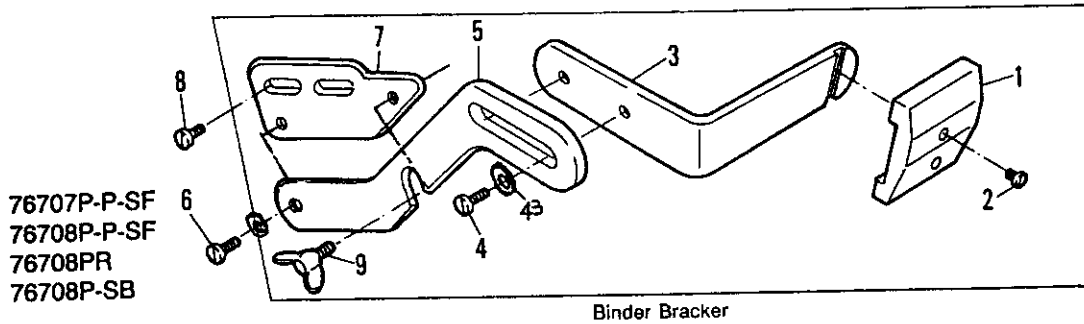
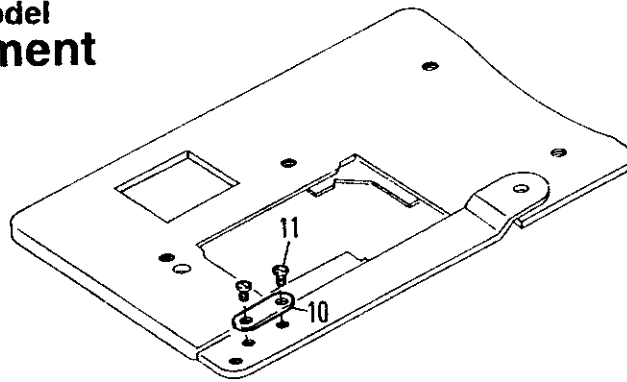


76708P Subclass model  
**20. (2) Components**

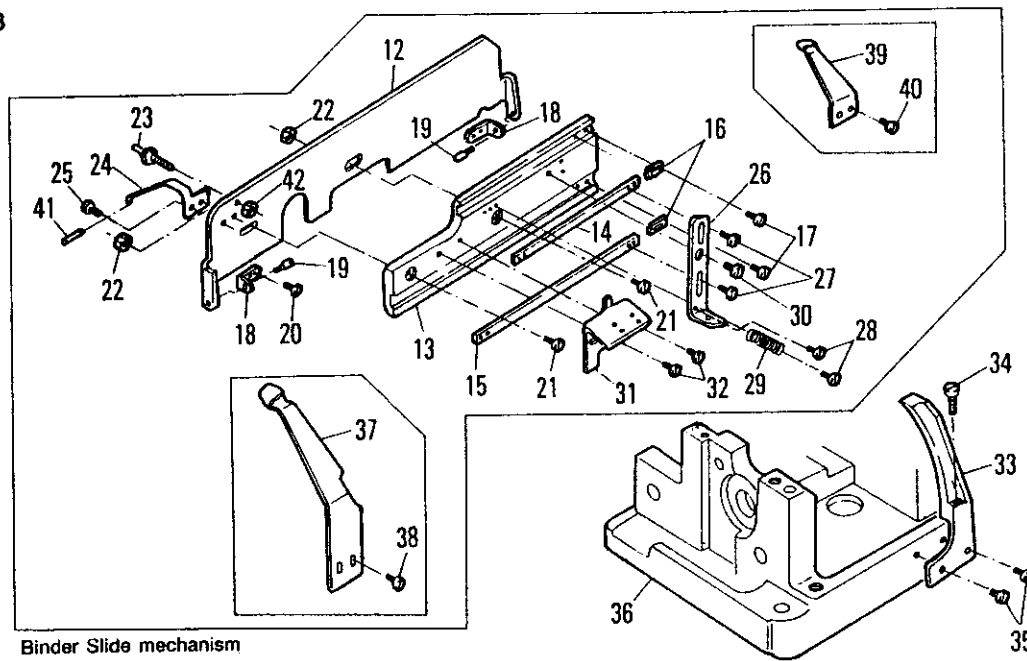


| Ref. No. | Part No. | Part Name              | Q'ty | Ref. No. | Part No. | Part Name                                   | Q'ty |
|----------|----------|------------------------|------|----------|----------|---|------|
| 1        | B62001   | Upper cloth plate      | 1    | 33       | B62033   | Looper driving lever                        | 1    |
| 2        | B60157   | Screw                  | 2    | 34       | B61821   | Screw                                       | 1    |
| 3        | B60158   | Screw                  | 3    | 35       | B60930   | Coller                                      | 2    |
| 4        | B80156   | Holder                 | 1    | 36       | B60105   | Washer                                      | 2    |
| 5        | B80157   | Screw                  | 2    | 37       | B60932   | Nut   | 2    |
| 6        | B62006   | Slide plate            | 1    | 38       | B60645   | Washer                                      | 2    |
| 7        | B62007   | Front plate cover      | 1    | 39       | B62039   | Looper holder                               | 2    |
| 8        | B60154   | Screw                  | 1    | 40       | B62040   | Connecting supporter (3/16", 1", 3/16")     | 1    |
| 9        | B62009   | Spring for slide plate | 1    | 41       | B62041   | Connecting supporter (1/4", 1", 1/4")       | 1    |
| 10       | B60156   | Screw                  | 3    | 42       | B61810   | Looper rocker                               | 1    |
| 11       | B60155   | Washer                 | 3    | *43      | B60613   | Eccentric link                              | 1    |
| 12       | B80158   | Spring                 | 1    | *44      | B60614   | Bearing                                     | 1    |
| 13       | B80159   | Screw                  | 1    | *45      | B80715   | Looper avoid eccentric (0.8)                | 1    |
| 14       | B80154   | Screw                  | 1    | *46      | B60612   | Snap ring                                   | 1    |
| 15       | B60979   | Washer                 | 2    | *47      | B60617   | Connecting link pin                         | 1    |
| 16       | B60918   | Nut                    | 1    | *48      | B60446   | Felt  | 1    |
| 17       | B60217   | Front plate cover      | 1    | 49       | B62049   | Looper connecting link (1/4", 1", 1/4")     | 1    |
| 18       | B62018   | Needle plate support   | 1    | 50       | B62050   | Looper connecting link (3/16", 1", 3/16")   | 1    |
| 19       | B60160   | Screw                  | 3    | 51       | B61830   | Connecting bar (1/4", 1", 1/4")             | 1    |
| 20       | B62020   | Looper avoid lever     | 1    | 52       | B61831   | Connecting bar (3/16", 1", 3/16")           | 1    |
| 21       | B62021   | Screw                  | 1    | 53       | B60705   | Nut (right)                                 | 1    |
| 22       | B62022   | Spring                 | 1    | 54       | B60703   | Nut (left)                                  | 1    |
| 23       | B60241   | Screw                  | 1    | 55       | B61834   | Looper rocker connecting ball joint (right) | 1    |
| 24       | B62024   | Stop lever             | 1    | 56       | B60701   | Looper rocker connecting ball joint (left)  | 1    |
| 25       | B62025   | Spring                 | 1    | *57      | B60616   | Screw                                       | 2    |
| 26       | B62026   | Pin                    | 1    | 58       | B60528   | Crank shaft (H)                             | 1    |
| 27       | B62027   | Screw                  | 1    | 59       | B80163   | Folder mounting bracket                     | 1    |
| 28       | B61820   | Connecting rod         | 1    | 60       | B60509   | Screw                                       | 2    |
| 29       | B60161   | Knock pin              | 2    |          |          |   |      |
| 30       | B60644   | Nut                    | 2    |          |          |   |      |
| 31       | B60729   | Screw                  | 1    |          |          |   |      |
| 32       | B60729   | Screw                  | 1    |          |          |   |      |

76708P Subclass model  
**21. (3) Attachment**



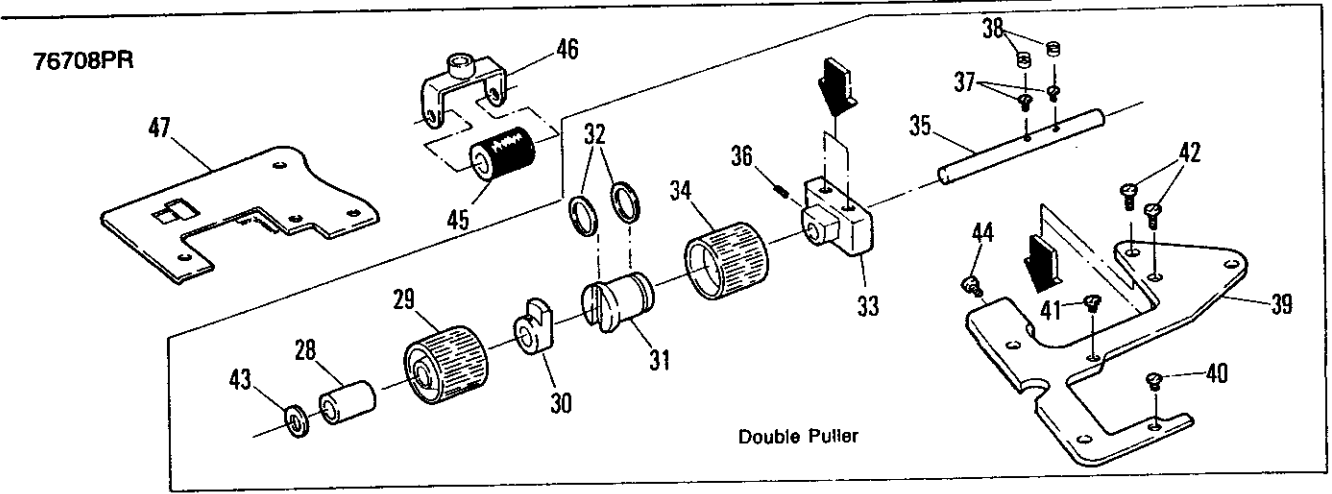
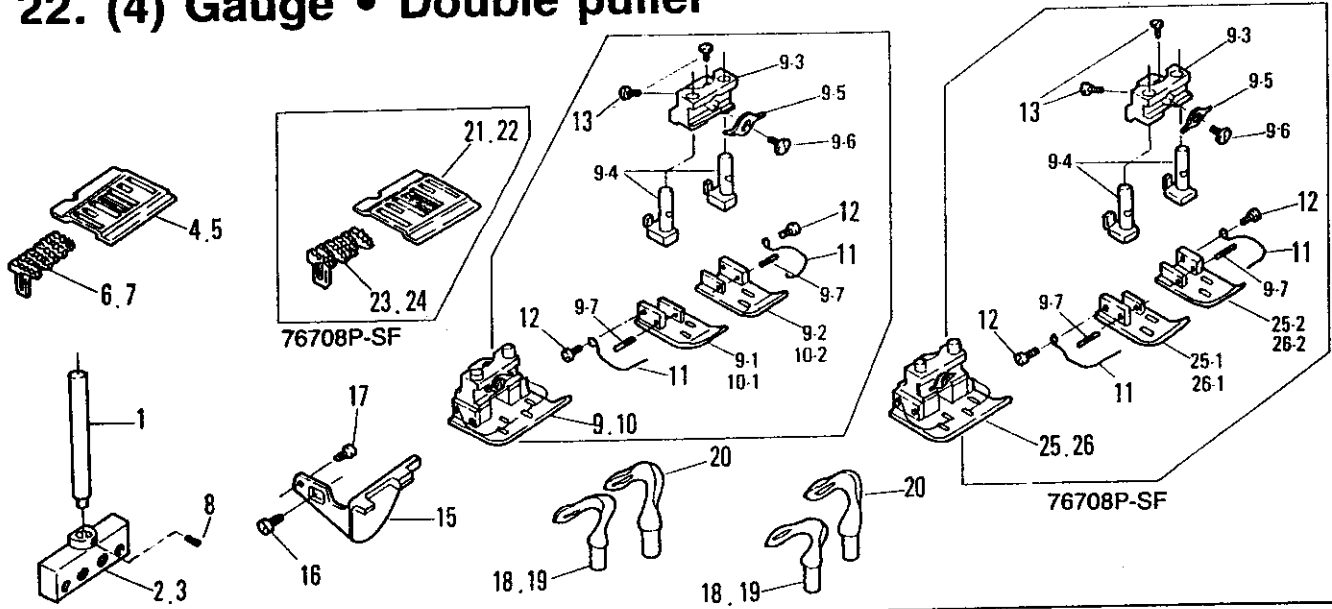
76708P-SB



| Ref. No. | Part No. | Part Name                   | Q'ty | Ref. No. | Part No.             | Part Name | Q'ty |
|----------|----------|-----------------------------|------|----------|----------------------|-----------|------|
| 1        | B62101   | Fixing clamp.               | 1    | 22       | Nut                  | 2         |      |
| 2        | B60132   | Screw                       | 1    | 23       | Mounting screw       | 1         |      |
| 3        | B62103   | Mounting base for holder    | 1    | 24       | Latch spring         | 1         |      |
| 4        | B60123   | Screw                       | 2    | 25       | Screw                | 2         |      |
| 5        | B62105   | Mounting slide for holder   | 1    | 26       | Operating lever      | 1         |      |
| 6        | B60107   | Screw                       | 1    | 27       | Slide guide screw    | 2         |      |
| 7        | B62107   | Mounting base for holder    | 1    | 28       | Screw                | 2         |      |
| 8        | B60107   | Screw                       | 1    | 29       | Spring               | 1         |      |
| 9        | B62109   | Bolt                        | 1    | 30       | Screw                | 1         |      |
| *10      | B80163   | Mounting bracket for holder | 1    | 31       | Binder bracket       | 1         |      |
| *11      | B60509   | Screw                       | 2    | 32       | Screw                | 2         |      |
| 12       |          | Bracket plate               | 1    | 33       | Throat plate support | 1         |      |
| 13       |          | Slide base                  | 1    | 34       | Screw                | 1         |      |
| 14       |          | Slide plate (small)         | 1    | 35       | Screw                | 2         |      |
| 15       |          | Slide plate (large)         | 1    | 36       | Arm bed              | 1         |      |
| 16       |          | Adjusting stopper           | 2    | 37       | Tape guide (left)    | 1         |      |
| 17       |          | Screw                       | 4    | 38       | Screw                | 2         |      |
| 18       |          | Bracket pin                 | 2    | 39       | Tape guide (right)   | 1         |      |
| 19       |          | Screw                       | 2    | 40       | Screw                | 2         |      |
| 20       |          | Screw                       | 4    | 41       | Pin                  | 1         |      |
| 21       |          | Screw                       | 2    | 42       | Nut                  | 1         |      |
|          |          |                             |      | 43       | Washer               | 2         |      |

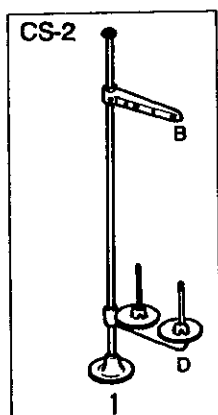
76708P subclass model

22. (4) Gauge • Double puller

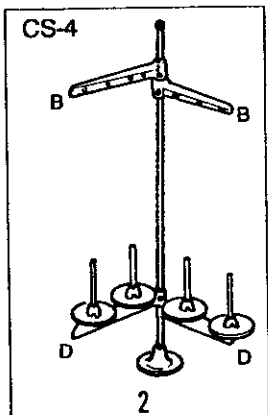


| Ref. No. | Part No. | Part Name                        | Q'ty | Ref. No. | Part No. | Part Name                       | Q'ty |
|----------|----------|----------------------------------|------|----------|----------|---------------------------------|------|
| 1        | B62201   | Needle bar                       | 1    | 19       | B62219   | Looper front (3/16")            | 2    |
| *2       | B62202   | Needle holder (1/4", 1", 1/4")   | 1set | 20       | B62220   | Looper rear (1/4" or 3/16")     | 2    |
| 2-1      |          | Needle holder (1/4", 1", 1/4")   |      | 21       | B62221   | Needle plate (1/4", 1", 1/4")   | 1    |
| 2-2      |          | Needle clamp                     |      | 22       | B62222   | Needle plate (3/16", 1", 3/16") | 1    |
| 2-3      |          | Screw                            |      | 23       | B62223   | Feed dog (1/4", 1", 1/4")       | 1    |
| 2-4      |          | Screw                            |      | 24       | B62224   | Feed dog (3/16", 1", 3/16")     | 1    |
| 2-5      |          | Screw                            |      | 25       | B62225   | Presser foot (1/4", 1", 1/4")   | 1set |
| 2-6      |          | Screw                            |      | 25-1     |          | Presser foot, bottom (left)     | 1    |
| *3       | B62203   | Needle holder (3/16", 1", 3/16") | 1set | 25-2     |          | Presser foot, bottom (right)    | 1    |
| 3-1      |          | Needle holder (3/16", 1", 3/16") |      | 26       | B62226   | Presser foot (3/16", 1", 3/16") | 1set |
| 4        | B62204   | Needle plate (1/4" 1", 1/4")     | 1    | 26-1     |          | Presser foot, bottom (left)     | 1    |
| 5        | B62205   | Needle plate (3/16", 1", 3/16")  | 1    | 26-2     |          | Presser foot, bottom (right)    | 1    |
| 6        | B62206   | Feed dog (1/4", 1", 1/4")        | 1    |          |          |                                 |      |
| 7        | B62207   | Feed dog (3/16", 1", 3/16")      | 1    | 27       |          | Bushing                         | 1    |
| 8        | B62208   | Screw                            | 1    | 28       | B62228   | Rear puller left                | 1    |
| 9        | B62209   | Presser foot (1/4", 1", 1/4")    | 1set | 29       | B62229   | Rear puller stopper left        | 1    |
| 9-1      |          | Presser foot, bottom (left)      | 1    | 30       | B62230   | Rear puller stopper right       | 1    |
| 9-2      |          | Presser foot, bottom (right)     | 1    | 31       | B62231   | Rear puller right core          | 1    |
| 9-3      |          | Presser foot, shank              | 1    | 32       | B62232   | Snap ring                       | 2    |
| 9-4      |          | Presser foot, yielding section   | 2    | 33       | B62233   | Rear puller, stopper right      | 1    |
| 9-5      |          | Presser foot, bottom lever       | 1    | 34       | B62234   | Rear puller, right              | 1    |
| 9-6      |          | Screw                            | 1    | 35       | B62235   | Shaft                           | 1    |
| 9-7      |          | Pin Screw                        | 2    | 36       | B60149   | Screw                           | 3    |
| 10       | B62210   | Presser foot (3/16", 1", 3/16")  | 1set | 37       | B62237   | Screw                           | 2    |
| 10-1     |          | Presser foot, bottom (left)      | 1    | 38       | B62238   | Spring                          | 2    |
| 10-2     |          | Presser foot bottom (right)      | 1    | 39       | B62239   | Needle plate support            | 1    |
| 11       | B81118   | Needle guard bar                 | 2    | 40       | B62240   | Screw                           | 1    |
| 12       | B81117   | Screw                            | 2    | 41       | B60229   | Screw                           | 1    |
| 13       | B81119   | Screw                            | 2    | 42       | B60160   | Screw                           | 2    |
| 14       |          |                                  |      | 43       | B60639   | Washer                          | 1    |
| 15       | B62215   | Needle guard (1/4" or 3/16")     | 1    | 44       | B60162   | Screw                           | 1    |
| 16       | B60651   | Screw                            | 1    | 45       | B81085   | Rear puller                     | 1    |
| 17       | B61035   | Screw                            | 1    | 46       | B60981   | Rear puller holder              | 1    |
| 18       | B62218   | Looper front (1/4")              | 2    | 47       | B62247   | Upper cloth plate               | 1    |

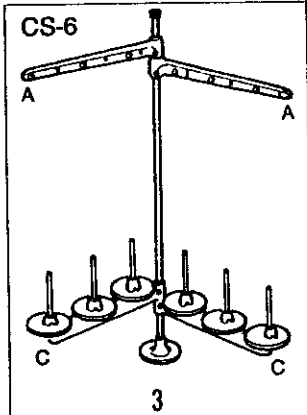
# 23. Thread stand



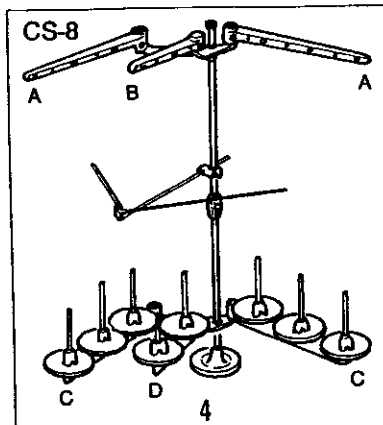
76701



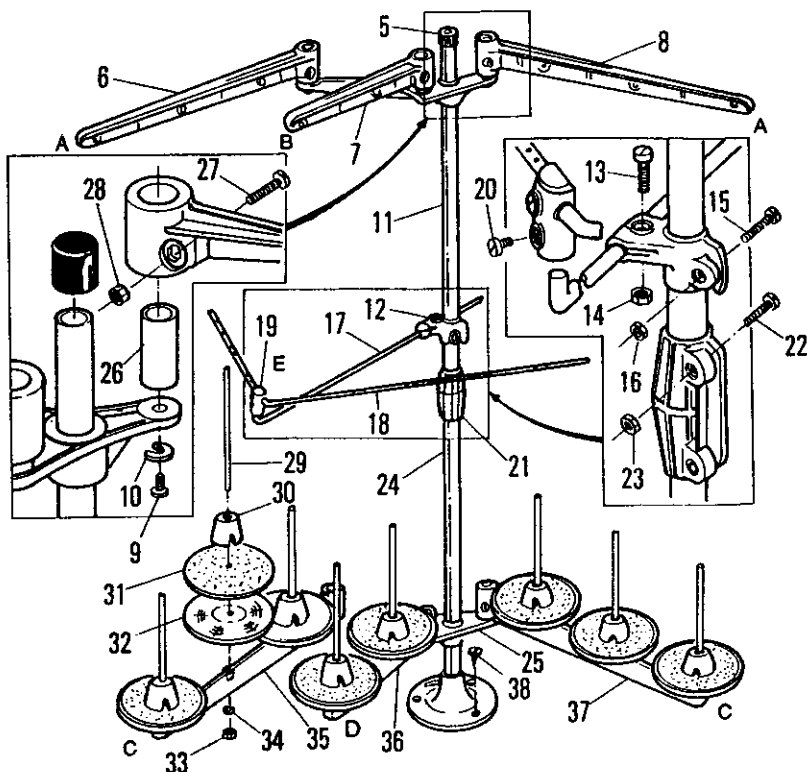
76702



76703  
76707

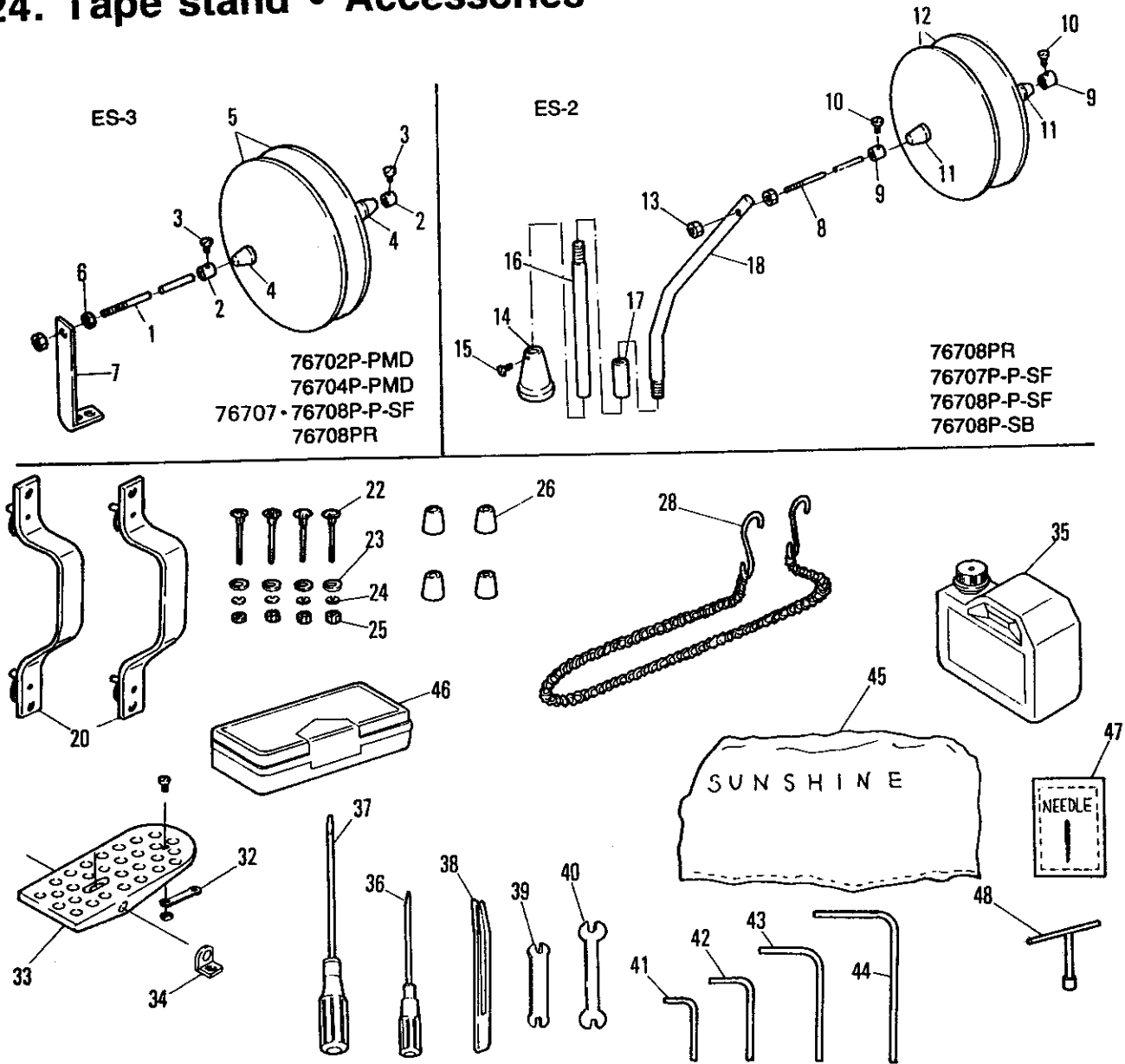


76704  
76708



| Ref. No. | Part No. | Part Name                   | Q'ty | Ref. No. | Part No. | Part Name             | Q'ty |
|----------|----------|-----------------------------|------|----------|----------|-----------------------|------|
| 1        |          | Thread stand (2) CS-2       | 1set | 20       |          | Screw                 | 2    |
| 2        |          | Thread stand (4) CS-4       | 1set | 21       |          | Joint                 | 1    |
| 3        |          | Thread stand (6) CS-6       | 1set | 22       |          | Screw                 | 2    |
| 4        |          | Thread stand (8) CS-8       | 1set | 23       |          | Nut                   | 2    |
| 5        |          | Cap                         | 1    | 24       |          | Bar (low)             | 1    |
| 6        |          | Thread guide bracket (3)    |      | 25       |          | Base                  | 2    |
| 7        |          | Thread guide bracket (2)    |      | 26       |          | Mounting bracket      | 6    |
| 8        |          | Thread guide bracket (3)    |      | 27       |          | Screw                 |      |
| 9        |          | Screw                       | 6    | 28       |          | Nut                   |      |
| 10       |          | Washer                      | 6    | 29       |          | Spool pin             |      |
| 11       |          | Bar (upper)                 | 1    | 30       |          | Spool retaining fin   |      |
| 12       |          | Shank                       | 1    | 31       |          | Spool mat             |      |
| 13       |          | Screw                       | 1    | 32       |          | Spool tray            |      |
| 14       |          | Nut                         | 1    | 33       |          | Nut                   |      |
| 15       |          | Screw                       | 1    | 34       |          | Washer                |      |
| 16       |          | Nut                         | 1    | 35       |          | Spool pin bracket (3) |      |
| 17       |          | Thread eyelet guide arm bar | 1    | 36       |          | Spool pin bracket (2) |      |
| 18       |          | Thread eyelet guide         | 1    | 37       |          | Spool pin bracket (3) |      |
| 19       |          | Joint                       | 1    | 38       |          | Screw                 | 3    |

# 24. Tape stand • Accessories



76702P-PMD  
76704P-PMD  
76707-76708P-P-SF  
76708PR

76708PR  
76707P-P-SF  
76708P-P-SF  
76708P-SB

| Ref. No. | Part No. | Part Name                       | Q'ty | Ref. No. | Part No. | Part Name                      | Q'ty |
|----------|----------|---------------------------------|------|----------|----------|--------------------------------|------|
| 1        |          | Post . . . . .                  | 1    | 26       | B62426   | Cushion rubber . . . . .       | 4    |
| 2        |          | Stop collar . . . . .           | 2    | 27       |          |                                |      |
| 3        |          | Hex bolt . . . . .              | 2    | 28       | B62428   | Tie-rod (Joint) . . . . .      | 1    |
| 4        |          | Collar . . . . .                | 2    | 29       |          |                                |      |
| 5        |          | Tape reel disc . . . . .        | 2    | 30       |          |                                |      |
| 6        |          | Nut . . . . .                   | 2    | 31       |          |                                |      |
| 7        |          | Tape reel plate . . . . .       | 1    | 32       | B62432   | Coupling . . . . .             | 1    |
| 8        |          | Post . . . . .                  | 1    | 33       | B62433   | Pedal . . . . .                | 1    |
| 9        |          | Stop collar . . . . .           | 2    | 34       | B62434   | Pedal stopper . . . . .        | 2    |
| 10       |          | Hex bolt . . . . .              | 2    | 35       | B62435   | Oil . . . . .                  | 1    |
| 11       |          | Collar . . . . .                | 2    | 36       | B62436   | Screw driver (small) . . . . . | 1    |
| 12       |          | Tape reel disc . . . . .        | 2    | 37       | B62437   | Screw driver (large) . . . . . | 1    |
| 13       |          | Nut . . . . .                   | 2    | 38       | B62438   | Tweezers . . . . .             | 1    |
| 14       |          | Base . . . . .                  | 1    | 39       | B62439   | Spanner (small) . . . . .      | 1    |
| 15       |          | Hex bolt . . . . .              | 2    | 40       | B62440   | Spanner (large) . . . . .      | 1    |
| 16       |          | Post . . . . .                  | 1    | 41       | B62441   | Wrench A . . . . .             | 1    |
| 17       |          | Connecting pipe . . . . .       | 1    | 42       | B62442   | Wrench B . . . . .             | 1    |
| 18       |          | Post . . . . .                  | 1    | 43       | B62443   | Wrench C . . . . .             | 1    |
| 19       |          |                                 |      | 44       | B62444   | Wrench D . . . . .             | 1    |
| 20       | B62420   | Machine mount bracket . . . . . | 2    | 45       | B62445   | Machine cover . . . . .        | 1    |
| 21       |          |                                 |      | 46       | B62446   | Accessory box . . . . .        | 1    |
| 22       | B62422   | Screw . . . . .                 | 4    | 47       | B62447   | Needle . . . . .               | 1    |
| 23       | B62423   | Washer M8 . . . . .             | 4    | 48       | B62448   | Wrench T . . . . .             | 1    |
| 24       | B62424   | Spring washer . . . . .         | 4    |          |          |                                |      |
| 25       | B62425   | Nut . . . . .                   | 4    |          |          |                                |      |

# 25. Table stand installation diagram

