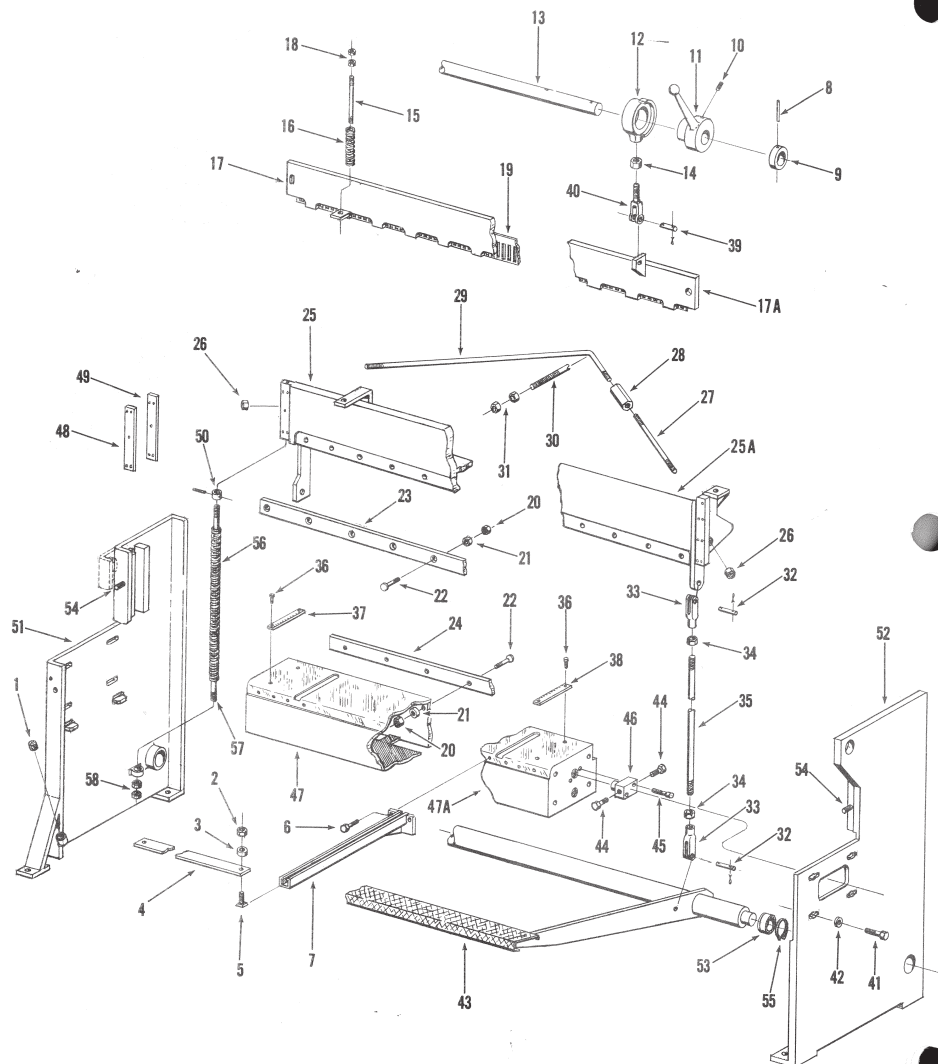


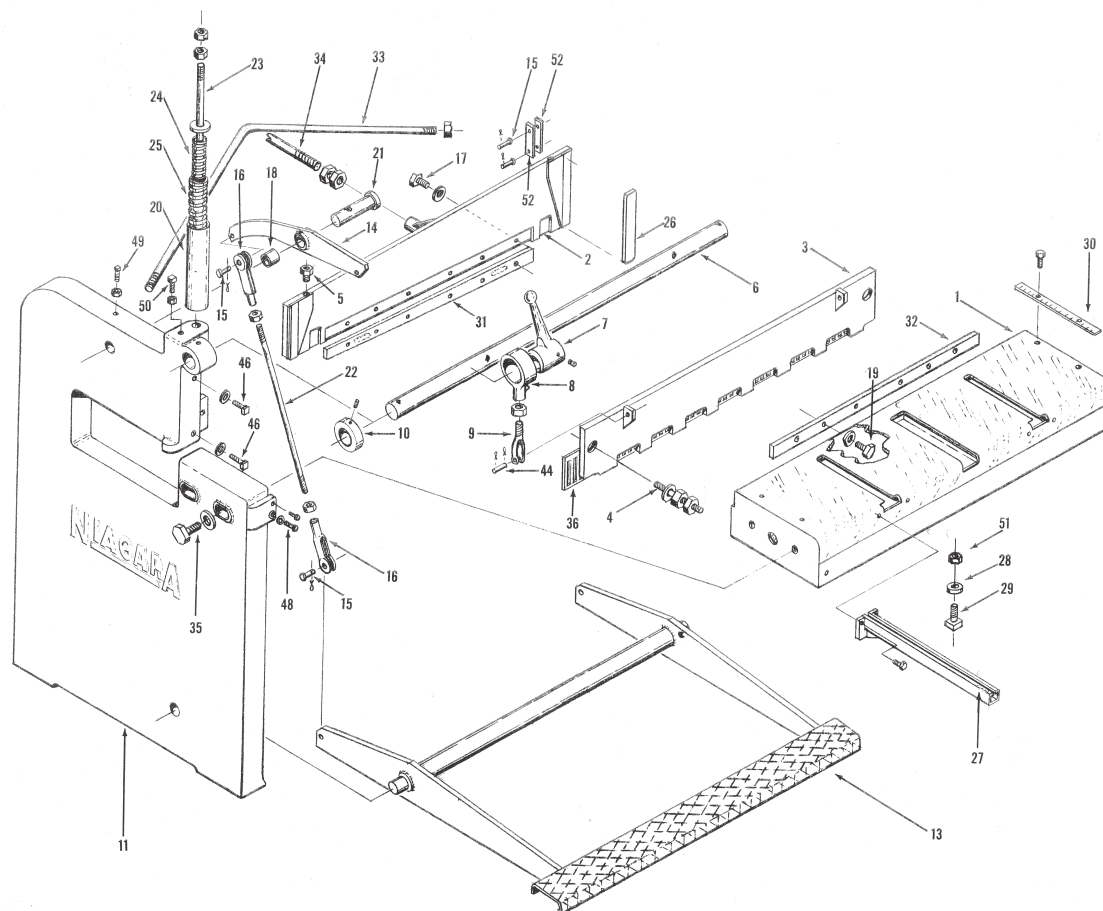
BASIC MACHINE - SERIES F SHEARS

PARTS LIST

SINCE THE REFERENCE OR CALL OUT NUMBERS ON THE FOLLOWING PARTS LIST ARE DUPLICATED ON OTHER PARTS LISTS, SPECIFY PART REQUIRED BY GIVING REFERENCE NUMBER AND FULL NAME FOLLOWED BY FORM AND PAGE NUMBER.



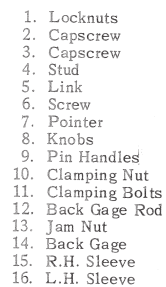
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| 1. Bumper, Treadle (22F, 30F, 36F, 42F, 48F) | 30. Brace Rod Bolt |
| 2. Gage Nut | 31. Brace Rod Bolt Jam Nuts |
| 3. Gage Washer | 32. Yoke Pins with Lotter Pins |
| 4. Front Gage Bar | 33. Yokes |
| 5. Front Gage Bolt | 34. Treadle Rod Jam Nuts |
| 6. Front Bracket Screw | 35. Treadle Rod |
| 7. Front Bracket | 36. Side Gage Screws |
| 8. Set Screw | 37. L.H. Side Gage |
| 9. Collar, Holddown Shaft | 38. R.H. Side Gage |
| 10. Set Screw | 39. Pin, Holddown |
| 11. Eccentric Lever | 40. Yoke, Holddown |
| 12. Eccentric Strap | 41. Bed Mounting Screw |
| 13. Holddown Shaft | 42. Washer |
| 14. Lockwasher | 43. Treadle |
| 15. Holddown Spring Pin | 44. Bed Adjusting Screws |
| 16. Holddown Spring | 45. Adjusting Piece Screws |
| 17. Holddown (36F, 42F, 48F shown) | 46. Adjusting Piece |
| 17A Holddown (SF, 6F, 8F, 10F shown) | 47. Bed (22F, 30F, 36F, 42F, 48F, 5F, 6F shown) |
| 18. Lockwashers | 47A Bed (8F, and 10F shown) |
| 19. Knife Guard | 48. Front Gib Liner |
| 20. Plow Bolt Nut (certain models only) | 49. Rear Gib Liner |
| 21. Knife Washer | 50. Spring Spacer and Pin (when used) |
| 22. Plow Bolts | 51. L.H. Leg (22F, 30F, 36F, 42F, 48F, 5F, 6F Shown) |
| 23. Upper Knife | 52. R.H. Leg (8F, 10F shown) |
| 24. Lower Knife | 53. Treadle Bearing |
| 25. Crosshead (22F, 30F, 36F, 42F, 48F, 5F, 6F, shown) | 54. Clamping Stud |
| 25A Crosshead (8F, 10F shown) | 55. Retainer Ring |
| 26. Brace Rod Nuts | 56. Counterbalance Spring |
| 27. Crosshead Brace Rod | 57. Counterbalance Spring Rod |
| 28. Coupling | 58. Locknuts |
| 29. Brace Rod | |



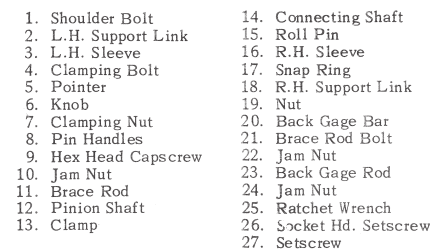
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| 1. Bed | 24. Spring |
| 2. Crosshead | 25. Spring |
| 3. Holddown | 26. Gib |
| 4. Holddown Stud with Washer & Nuts | 27. Front Bracket with Screws |
| 5. Spring Rod Bushing | 28. Front Gage Stop |
| 6. Holddown Shaft | 29. Front Gage Bolt |
| 7. Eccentric Lever with Set Screw | 30. R.H. Side Gage |
| 8. Eccentric Strap | 30a. L.H. Side Gage (Not Shown) |
| 9. Holddown Yoke with Nut | 31. Upper Knife |
| 10. Holddown Shaft Collar with Set Screw | 32. Lower Knife |
| 11. L.H. Housing | 33. Brace Rod with Nuts |
| 12. R.H. Housing (Not Shown) | 34. Brace Rod Bolt with Nuts |
| 13. Treadle | 35. Bed Clamping Bolt with Washer |
| 14. Treadle Lever | 36. Knife Guard |
| 15. Lever Pin with Cotter Pin | 44. Holddown Pin with Cotter Pins |
| 16. Connecting Rod Yoke | 45. Backgage Rod |
| 17. Upper Knife Bolt & Washer | 46. Gib Adjusting Screw with Washer |
| 18. Treadle Lever Bushing | 47. Jam Nut |
| 19. Lower Knife Bolt & Washer | 48. Bed Adjusting Screws with Washer |
| 20. Spring Holder | 49. Lever Setscrew with Nut |
| 21. Treadle Lever Pin | 50. Crosshead Adjusting Screw with Nut |
| 22. Connecting Rod with Nuts | 51. Front Gage Nut |
| 23. Spring Rod with Washer & Nuts | 52. Treadle Lever Link |

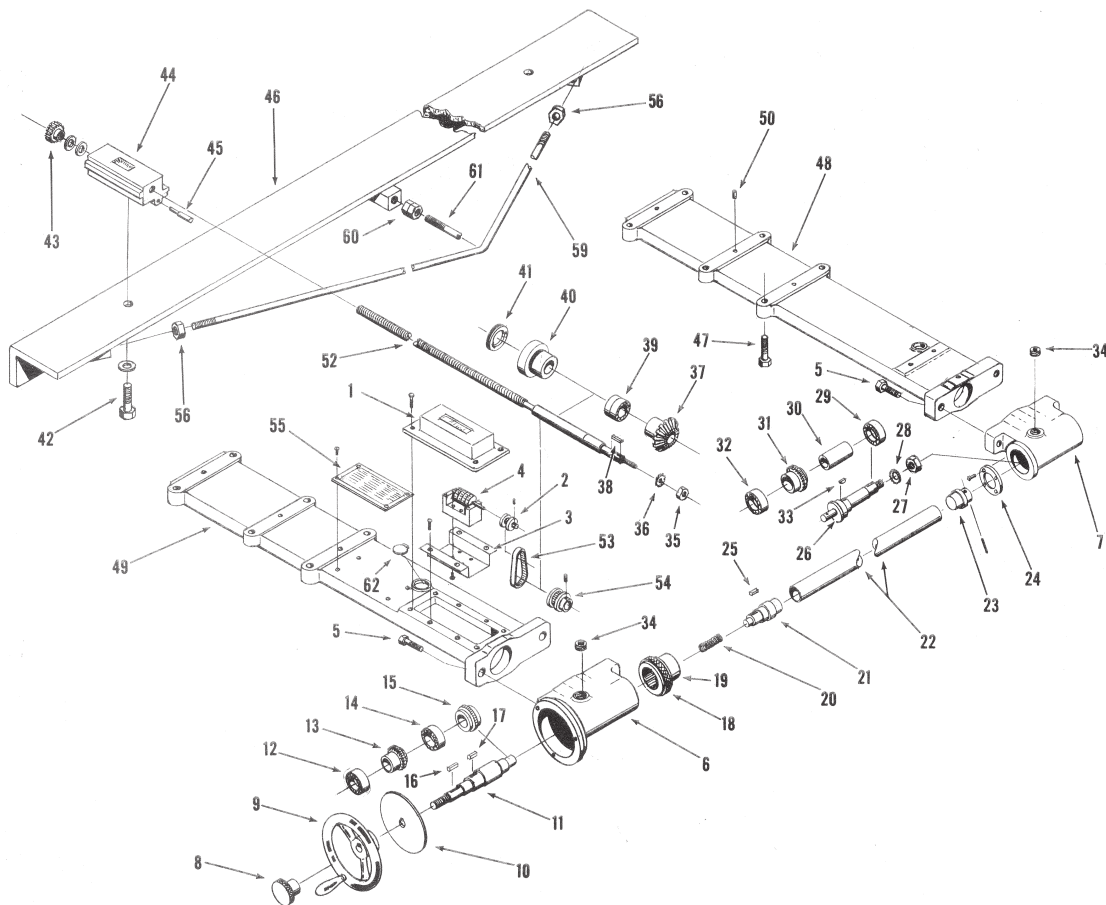
BASIC MACHINE - SERIES G SHEARS

(Standard on 22F, 30F, 36F, 42F, 48F, and G Series)



(Standard on 5F, 6F, 8F, 10F)

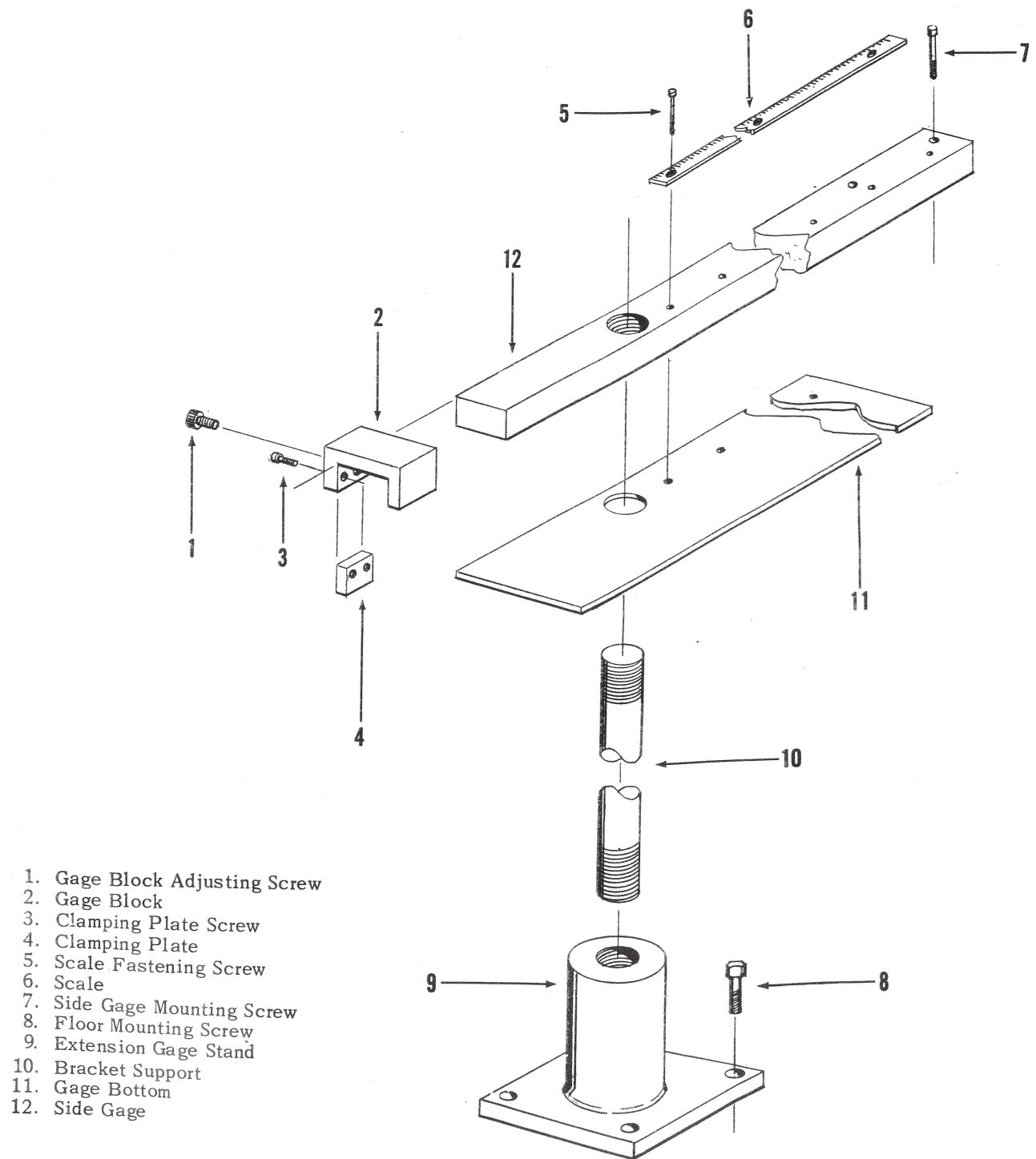




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| 1. Counter Cover | 32. L.H. Bearing L.H. Shaft |
| 2. Counter Pulley | 33. Key |
| 3. Counter Bracket | 34. Pipe Plugs |
| 4. Counter | 35. Nut |
| 5. Gear Case Mounting Screws | 36. Washer |
| 6. R.H. Gear Case | 37. Adjusting Screw Bevel Gear |
| 7. L.H. Gear Case | 38. Key |
| 8. Knurled Knob | 39. Adjusting Screw Bearing |
| 9. Handwheel | 40. Retaining Bushing |
| 10. Friction Plate | 41. Retaining Bushing Nut |
| 11. Shaft-R.H. Gear Case | 42. Slide Fastening Screw |
| 12. R.H. Bearing - R.H. Shaft | 43. Slide Nut and Tension Washers |
| 13. R.H. Gear Case Bevel Gear | 44. Slide |
| 14. L.H. Bearing - R.H. Shaft | 45. Stop Pin |
| 15. Coupling Gear | 46. Backgage Bar |
| 16. Key | 47. Bracket Fastening Screws |
| 17. Key | 48. L.H. Backgage Bracket |
| 18. Coupling Sleeve Scale | 49. R.H. Backgage Bracket |
| 19. Coupling Sleeve | 50. Bracket Dowels |
| 20. Spring | 51. L.H. Adjusting Screw (Not Shown) |
| 21. R.H. Trunnion - Connection Shaft | 52. R.H. Adjusting Screw |
| 22. Connection Shaft | 53. Timing Belt |
| 23. L.H. Trunnion - Connection Shaft | 54. Timing Belt Pulley |
| 24. L.H. Gear Case Ring | 55. Decimal Equiv. & Lub. Plate |
| 25. Key | 56. Brace Rod Nuts |
| 26. L.H. Gear Case Shaft | 59. Backgage Brace Rod |
| 27. Nut | 60. Jam Nuts |
| 28. Washer | 61. Brace Rod Bolt |
| 29. R.H. Bearing R.H. Shaft | 62. Oil Hole Cover |
| 30. Spacing Collar | |
| 31. L.H. Gear Case Bevel Gear | |

BALL BEARING PARALLEL BACKAGE
(OPTIONAL ON 8F & 10F ONLY)

FRONT EXTENSION GAGE (Optional)



1. Gage Block Adjusting Screw
2. Gage Block
3. Clamping Plate Screw
4. Clamping Plate
5. Scale Fastening Screw
6. Scale
7. Side Gage Mounting Screw
8. Floor Mounting Screw
9. Extension Gage Stand
10. Bracket Support
11. Gage Bottom
12. Side Gage