

Parts List and Diagram for Morse Part # M3551-P

Used on Morse model 285A-BP with Serial number 0108 to ____ (MMYY)

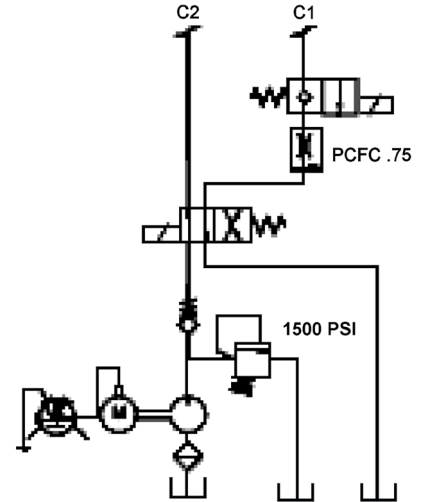
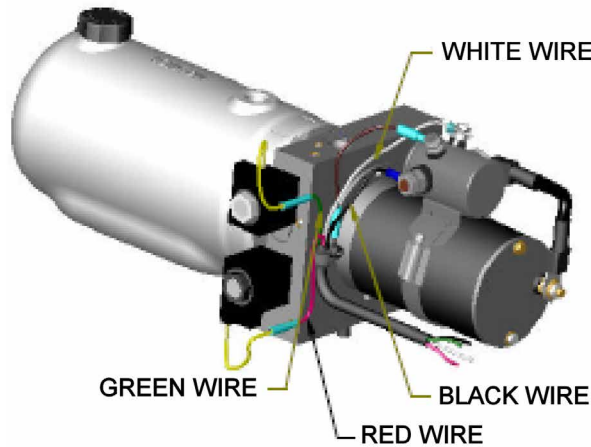
NOTE: The M3551-P Power Pack might be replaced with an alternate part, due to stock shortages, lead times and availability. Alternate parts are commonly purchased from different vendors and have the same form, fit and function as original part, making them interchangeable.



IMPORTANT NOTE

4-Digit serial numbers are simply the month & year of manufacture

Example: 0802 is August 2002



HYDRAULIC SCHEMATIC

| ITEM | QTY. | PART # | DESCRIPTION |
|------|------|--------------|--------------------------------|
| 1 | 1 | M12791-P | BASE ASM, M3551, MOD, 3" MTR |
| 2 | 1 | M01723-.75-P | POPPET ASM, PCFC, .75GPM 780-P |
| 3 | 1 | M07193-D-P | CARTRIDGE, 2W/2P, NC, POPPET |
| 4 | 1 | M00455-D-P | CARTRIDGE, 4W/2P, #8, 1/2"STEM |
| 5 | 2 | M00678-D-P | COIL, 12VDC, M3551-P, MON |
| 6 | 1 | M08053-P | MOTOR, 12V DC, M642 |
| 7 | 1 | M12637-150-P | PUMP ASM, GEAR CODE 150, M3551 |
| 8 | 2 | M17018-P | PIN, DOWEL, 1/4 X 3/4, M3551 |
| 9 | 1 | M17121-P | SHAFT, INTERMED, MICRO, DC |
| 10 | 4 | M07763-P | SHCS, 1/4-20 X 1-1/4 |
| 11 | 1 | M01209-P | TUBE, FILTER SUCTION, DC |
| 12 | 1 | M01203-P | TUBE, RETURN, 1/8 NPTF, M3551 |
| 13 | 1 | M01134-P | FILTER SCREEN, SUCTION MON |
| 14 | 1 | M06103-P | RESERVOIR, PLASTIC, 4.5 X 10 |
| 15 | 1 | M07900-P | CLAMP, HOSE, WORM GEAR, RSV |
| 16 | 1 | M03171-P | PLUG, BREATHER, 3/8 NPT |
| 17 | 1 | M03335-P | SWITCH, SOLENOID 12VDC 4 POST |
| 18 | 1 | M07892-P | CLAMP, HOSE, WORM, 2.31-3.25 |
| 19 | 1 | M07551-07-P | WIRE ASM, CONTROL, 16 AWG, HS |
| 20 | 1 | M07965-P | CABLE, INSULATED W/ LUGS, 6" |
| 21 | 1 | M17799-18-P | CORD, HARNESS, 4 WIRE, 18"L |
| 22 | 1 | 3240-P | PENDANT, 2 BUTTON, BP |
| 23 | 1 | M07747-P | SHCS, 1/4-20 X 3/4, MON |



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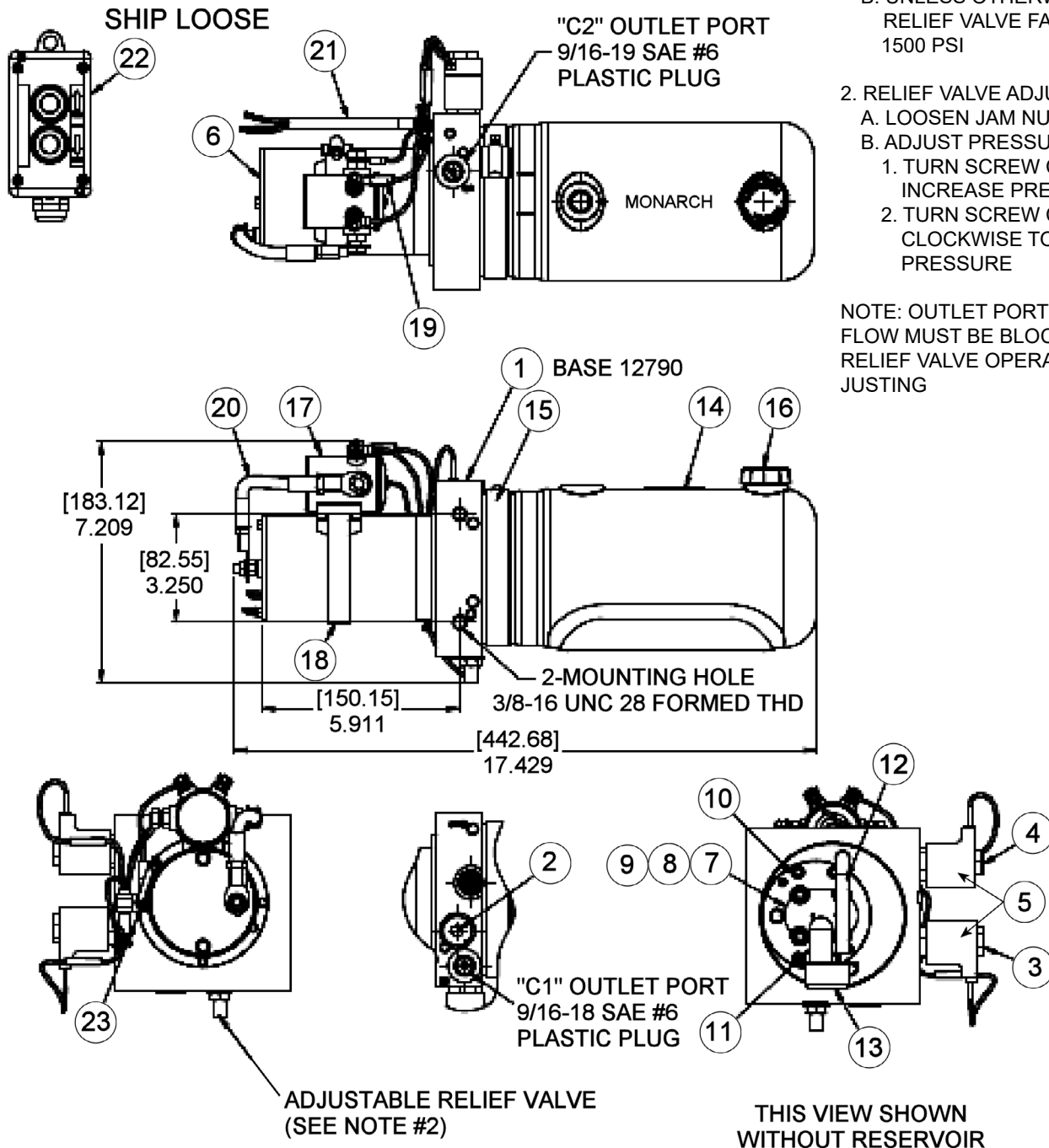
Parts List and Diagram for Morse Part # M3551-P

Used on Morse model 285A-BP with Serial number 0108 to ____ (MMYY)

NOTES:

1. SPECIFICATIONS:
 - A. DISPLACEMENT
0.032 CU IN/REV
 - B. UNLESS OTHERWISE SPECIFIED:
RELIEF VALVE FACTORY SET AT:
1500 PSI
2. RELIEF VALVE ADJUSTMENT:
 - A. LOOSEN JAM NUT
 - B. ADJUST PRESSURE
 1. TURN SCREW CLOCKWISE TO INCREASE PRESSURE
 2. TURN SCREW COUNTER CLOCKWISE TO DECREASE PRESSURE

NOTE: OUTLET PORT (PRESSURE) FLOW MUST BE BLOCKED TO MAKE RELIEF VALVE OPERATE WHILE ADJUSTING



Maintenance for Hydraulic Power Pack

Maintenance info for Hydraulic Pump

Recommended oil is petroleum based Dexron III ATF or equivalent (non-synthetic).
Change oil yearly.

Recommended Operating Conditions:

- Oil Temperature Range: 10°F to 170°F (-25°C to 77°C)
- Operating Temperature: 50°F to 130°F (10°C to 54°C)

Oil Viscosity:

- Optimum 100 to 350 SUS (Cst = .22 X SUS – 135/SUS)
- Minimum 100 SUS at Operating
- Maximum Start Up 4000 SUS

Recommended Filtration:

- 10 micron nominal or better

The system should not be disassembled in the field for maintenance. These are pass or fail components.

If the valve or pump fails it will need to be replaced due to wear on components.

The root cause for the failure needs to be taken into account to avoid contaminating the new components or to avoid exposing them to the same fail parameters.