



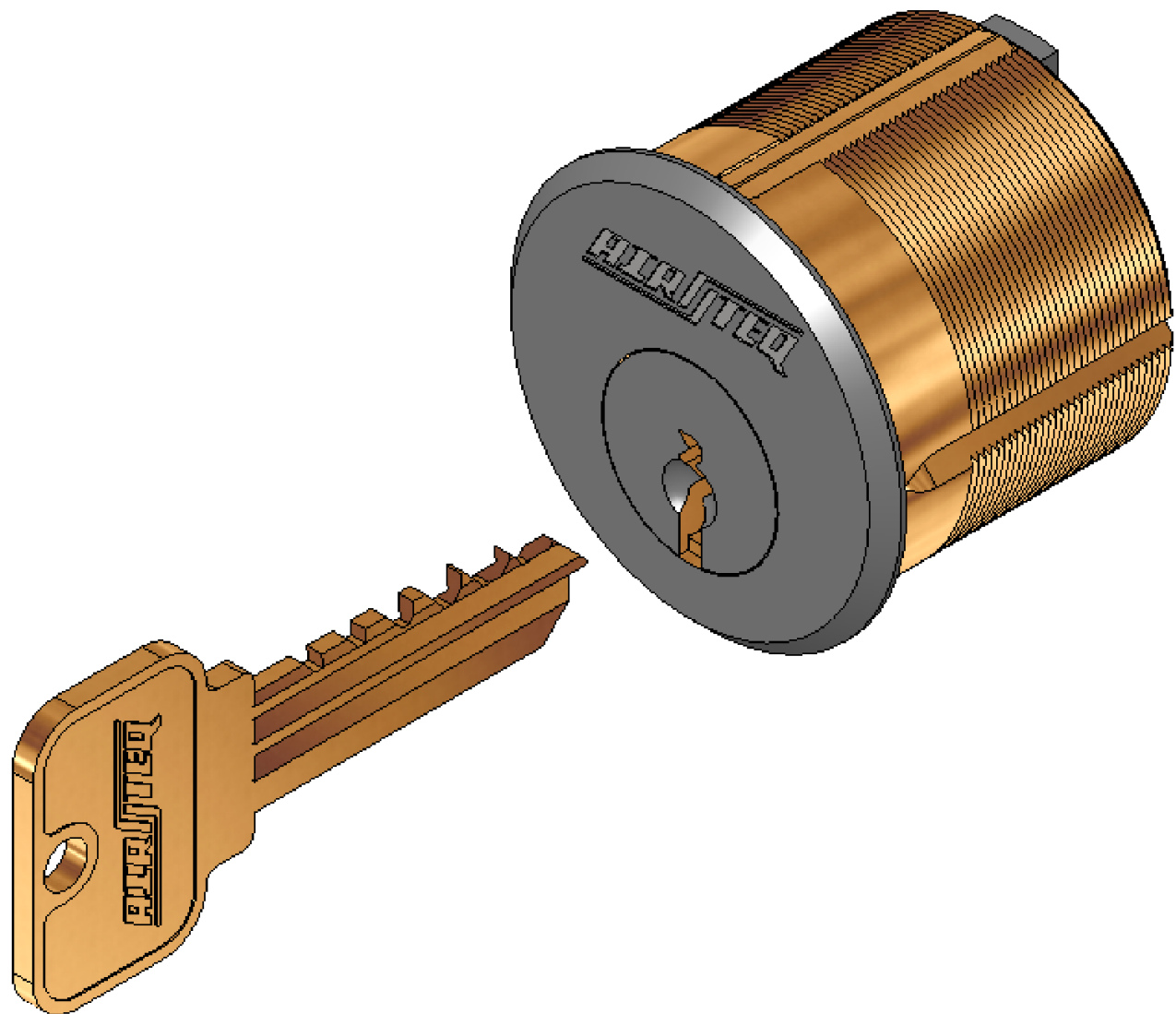
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## MOGUL CYLINDER

4/8/14





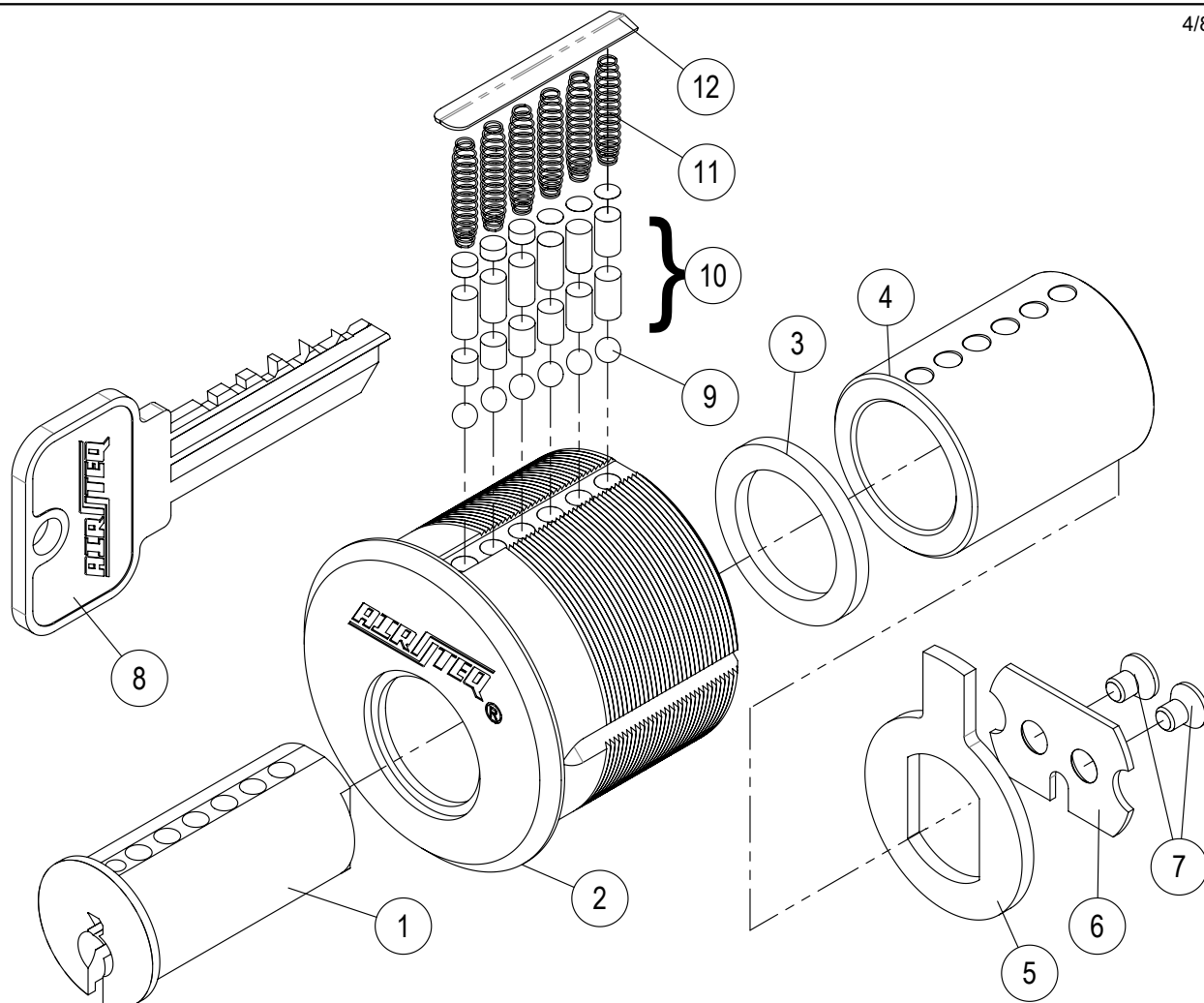
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| ITEM | QTY    | PART NUMBER  | DESCRIPTION  |
|------|--------|--|--|
| 1    | 1      | 216-1000-063<br>216-1000-062<br>216-1000-061<br>216-1000-060 | CYLINDER "N" SERIES, CROME PLATED<br>(OR) CYLINDER "N" SERIES, BRASS<br>(OR) CYLINDER "M" SERIES, CROME PLATED<br>(OR) CYLINDER "M", BRASS |
| 2    | 1      | 216-1000-059<br>216-1000-058                                 | MOGUL HOUSING, CHROME PLATED<br>(OR) MOGUL HOUSING, BRASS  |
| 3    | 1      | 216-1000-041   | DRILL RING   |
| 4    | 1      | 216-1000-037   | MASTER RING CYLINDER   |
| 5    | 1      | 216-1000-031   | MOGUL CAM  |
| 6    | 1      | 216-1000-078   | HUB PLATE  |
| 7    | 2      | 311-0832-000   | TORX Plus FH 8-32 X 1/4 UNCHD SST  |
| 8    | 1      | 216-1000-074<br>216-1000-075                                 | MOGUL KEY, SERIES "M", CUT<br>(OR) MOGUL KEY, SERIES "N", CUT  |
| 9    | 6      | 319-0000-031   | STAINLESS STEEL BALL, .156 DIA   |
| 10   | VARIES | 216-1000-043-<br>216-1000-053                                | MOGUL PINS, ODD (NUMBER 1 THROUGH 21)  |
| 11   | 6      | 216-1000-029   | SPRING   |
| 12   | 1      | 216-1000-030   | SPRING RETAINER  |



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## MOGUL PINNING INSTRUCTIONS

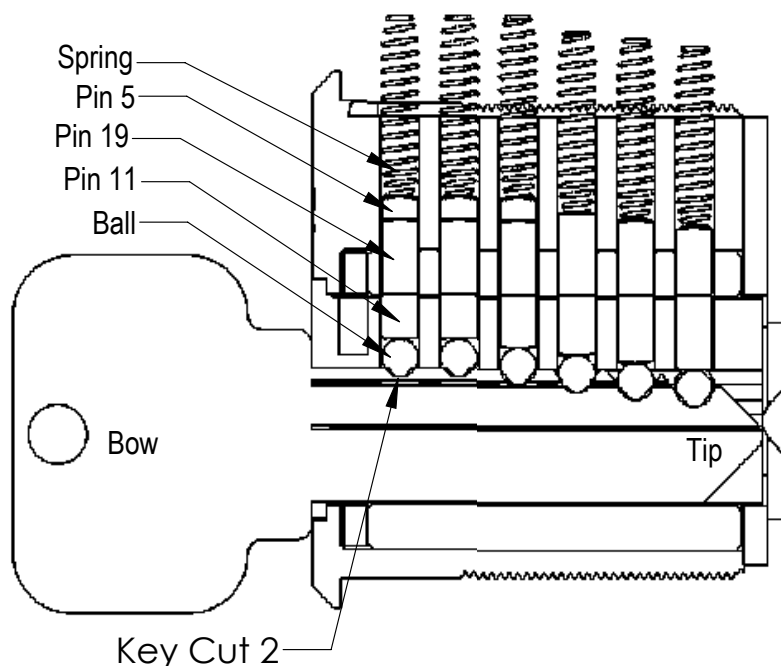
1. Remove spring retainer using screw driver and hammer (this piece will be replaced with a new spring<sup>4/8/14</sup> retainer after repinning).
2. Pour out pins, springs and balls through exposed holes. Make sure all pins have been removed by verifying that all 6 balls are accounted for.
3. Place 1 ball in each pin hole
4. Place pins in holes as noted on keying schedule provided by Airteq Systems.
5. Begin with the bottom pins and end with top pins. (see sample pinning)
6. Place spring on top of each pin stack
7. Verify cylinder is correctly pinned by inserting key and rotating cylinder.
8. If key will not rotate the cylinder, pinning is incorrect and must be redone.
9. Depress springs and slide spring retainer onto cylinder.
10. Using hammer and screw driver, press spring retainer securely into cylinder groove. Spring retainer will be flattened. Be careful not to mar cylinder threads.

### Sample pinning:

|             | <u>Key Stamp:</u> | <u>Key Code:</u>  |  |
|-------------|-------------------|-------------------|--|
|             | SHOW              | N2 2 3 4 5 6      | <i>Change Code</i>                               |
| Key Profile |                   | 05 05 05 00 00 00 | <i>Top pins (last pins placed in cylinder)</i>   |
| (N or M)    |                   | 19 19 19 21 19 17 |  |
|             | <i>Pinning:</i>   | 11 11 13 15 17 19 | <i>Bottom pins (1st pins placed in cylinder)</i> |

#### Note:

- 05=Pin#5, 07=Pin#7 etc.; and 00=no pin
- Higher key code number indicates deeper cuts
- Key Codes are read Left to Right (Bow to Tip)



### Pin Lengths:

| Pin # | Pin Length |
|-------|------------|
| 1     | 0.032      |
| 3     | 0.063      |
| 5     | 0.094      |
| 7     | 0.125      |
| 9     | 0.156      |
| 11    | 0.187      |
| 13    | 0.218      |
| 15    | 0.249      |
| 17    | 0.280      |
| 19    | 0.311      |
| 21    | 0.342      |

**Cut View of Cylinder with SHOW pinning**