



# Service Bulletin Tech Tip (SG-0007) Version 1, July 2014

## BITZER Refrigeration Screw Compressor Oil Flow Switch Change out Guidelines

When replacing an existing Gems oil flow switch, part number 085-0164-07, the following items will be removed:

- Oil flow switch = 085-0164-07
- Oil flow switch inlet fitting = 036-0820-00
- Oil flow switch inlet fitting O-ring = 020-003-52
- Oil flow switch outlet fitting = 036-0956-00

*No cutting or re-brazing is required when replacing the oil flow switches.*



085-0164-07



036-0820-00



020-0003-52



036-0956-00

The above parts will be replaced by the following:

- Oil flow switch = 347505-01 (6 L) HS53/OS53
- Oil flow switch = 347504-02 (10 L) HS64/74/OS74
- Oil flow inlet fitting = 767-3084-04
- Oil flow inlet fitting O-ring = 020-0003-52
- Oil flow switch O-ring = 372200-02 (white)

For a complete description of all the parts and recommended component layout, see Technical Bulletin TB-0008.



372200-02



347505-01



372200-02



767-3084-04



020-0003-52

The oil flow switch outlet fitting, 767-3051-00, can be re-used.



767-3051-00

**Wiring:**

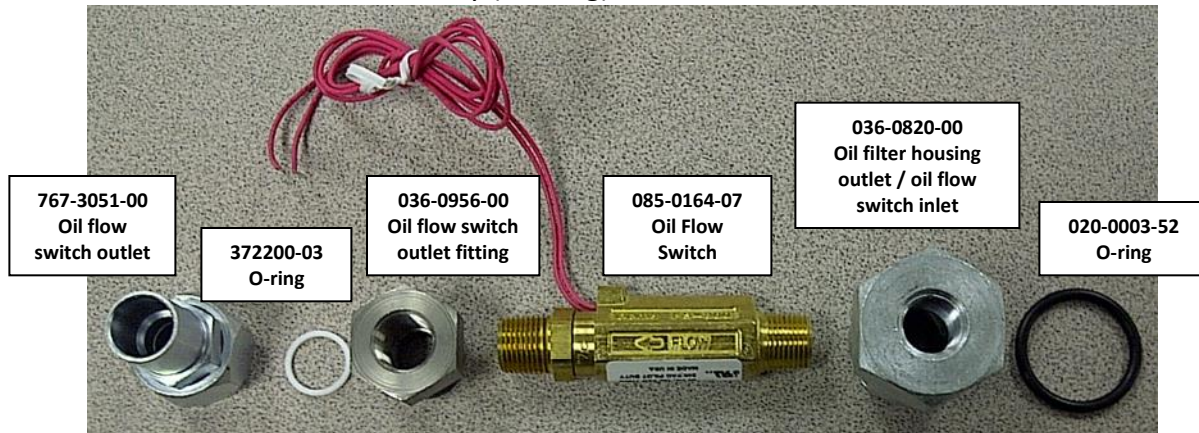
The Gems oil flow switch will wire the same as the new oil flow switch.

If using an ESC201 electronic module, wire to A5 and A7.

If using an ESC200 electronic module, wire to A2 and Common Ground.

If using the SE-B\* module, wire via the normal control circuit 11 and 14.

**Gems oil flow switch summary (existing):**



**Hosco oil flow switch summary (replacement):**

