VICKERS

Multi–Pressure Relief Valves

(F3)–C/G/S/T–06/10**(*)(V)–DG–8C(L)**–(V)M–(S*)*****(L)******–40/50

NOTE: Lubricate all parts & seals with
a thin coat of oil at assembly.

DG4V3(S)-8C(L)-60 Pilot valve (Refer to
parts drawing for detailed information).

255698 Bolt kit (Torque 4.5-5.6 N.m.)
40-50 lb.in. (Pilot valve to adapter
plate mounting) Not shown

255651 Bolt kit (Torque 14.9-20.3 N.m.)
11-15 lb.ft. (Adapter plate to cover
mounting)

422814 Adapter plate

♠ 113000 Plug (4 Req'd)
△ ● ▲ 262334 "O"Ring (4 Req'd)
● 1649 Ball (2 Req'd) (C*-06 only)
● Cover (see table)
● 290057 Piston (3 Req'd)
● Cover spring (see table)
● △ ▲ 262332 "O"Ring (3 Req'd)
● △ ▲ 197570 BU-Ring (3 Req'd)
● 370701 Plunger (3 Req'd)

● ✳♠ 292230 ADJ. screw
(3 Req'd)
● ✳♠ 1485 Locknut (3 Req'd)
● ✳♠ 283949 Lockscrew (3 Req'd)
● □♠ 64520 Washer (As req'd)
● □♠ 326317 Washer (As req'd)

✳ NOTE: Coat 292230 ADJ. screw,
283949 lockscrew and 1485 locknut
with oil prior to assembly.

□ NOTE: These parts used at final test
to obtain correct pressure range.

● △ ▲ 263497 "O"Ring (2 Req'd)
● ♠ 329463 Plug (3 Req'd)
Torque 52.8-58.3 N.m.
(39-43 lb. ft.)

294656 Restrictor plug
(3 Req'd) C*-10 only

● 285601 Seat (3 Req'd)
Assemble cross hole
facing up

♠ 226816 Rollpin
Lockwasher (see table)
Screw (see table)

● ♠ 113000 Plug
(C*-06 5 Req'd)
(C*-10 7 Req'd)

● 370839 Warning plate
● ♠ 227405 Screw (4 Req'd)

Hi-Vent spring (C*-10) See table
Lo-Vent spring (C*-06/10) See table

Hi-Vent spring (C*-06 only) See table

Hydrocone (see table)

Seat (see table)

△ ▲ 262361 "O"Ring (C*-06)
262367 "O"Ring (C*-10)

NOTE:
For satisfactory service life of these
components in industrial applications,
use full flow filtration to provide fluid
which meets ISO cleanliness code
18/15 or cleaner. OFP, OFR, and OFRS
series filters are recommended.

Model	Seat	Hydrocone	Lo-Vent spring	Hi-Vent spring	Cover
C*-06	343153	343154	2077	184458	370664
C*-10	283954	283952	291822	291821	370669

NOTE: Use either a Lo-Vent or Hi-Vent spring. Do not use both.
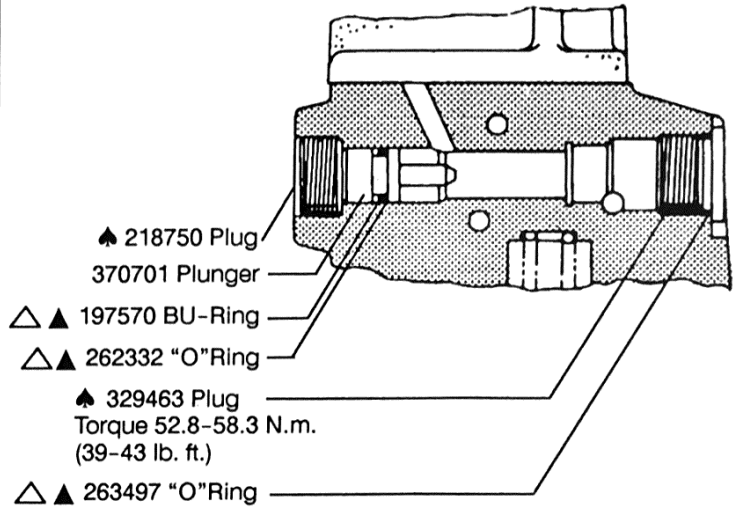(See model code)

Model	Screw (4 Req'd)	Torque		Lock washer (4 Req'd)
		lb. ft.	N.m	
C*-06	1036	11-15	14.9-20.3	68907
C*-10	1076	35-43	47.5-58.3	68909

Cover kits for C*-06-* are available for several spring arrangements**

Spring order in head 1 2 3	● Included in kit (-06 only)
-C B F-	● 942198
-C B C-	● 942202
-F F B-	● 942326

Model	Cover spring	Pressure range psi (bar)
C*-**-B	2280	125-1000 (8.5-70)
C*-**-C	583937	500-2000 (35-140)
C*-**-F	2281	1500-3000 (105-210)

Sectional "E" vent head 1, 2, or 3

♠ 218750 Plug
370701 Plunger
△ ▲ 197570 BU-Ring
△ ▲ 262332 "O"Ring
♠ 329463 Plug
Torque 52.8-58.3 N.m.
(39-43 lb. ft.)
△ ▲ 263497 "O"Ring

♠ Part	Kit
1485	944064
AX-36212	944053
1649	944067
64520	944068
113000	944055
160571	944069
218750	944070
226816	944071
227405	944074
292230	944072
326317	944073
329463	944041
343740	944038

Parts with ♠ available only in kits of 25.
Reference kit on parts order.

Model	◆ Body	
	-06	-10
CG	580456	581703
CS	581701	580430
CT	590348	590300

△ 154006 "O"Ring

▲ 154020 "O"Ring
(CG-06)
△ 154024 "O"Ring
(CG-10)

♠ 160571 Rollpin

◆ CG Body (see table)

△ ▲ 263494 "O"Ring

♠ 343740 Plug
Torque 14.9-16.5 N.m.
(133-147 lb. in.)

◆ CS/CT body (see table)
CT shown

♠ 343740 Plug
Torque 14.9-16.5 N.m.
(133-147 lb. in.)

△ ▲ 263494 "O"Ring

♠ AX-36212 Screw
(4 Req'd)

Nameplate
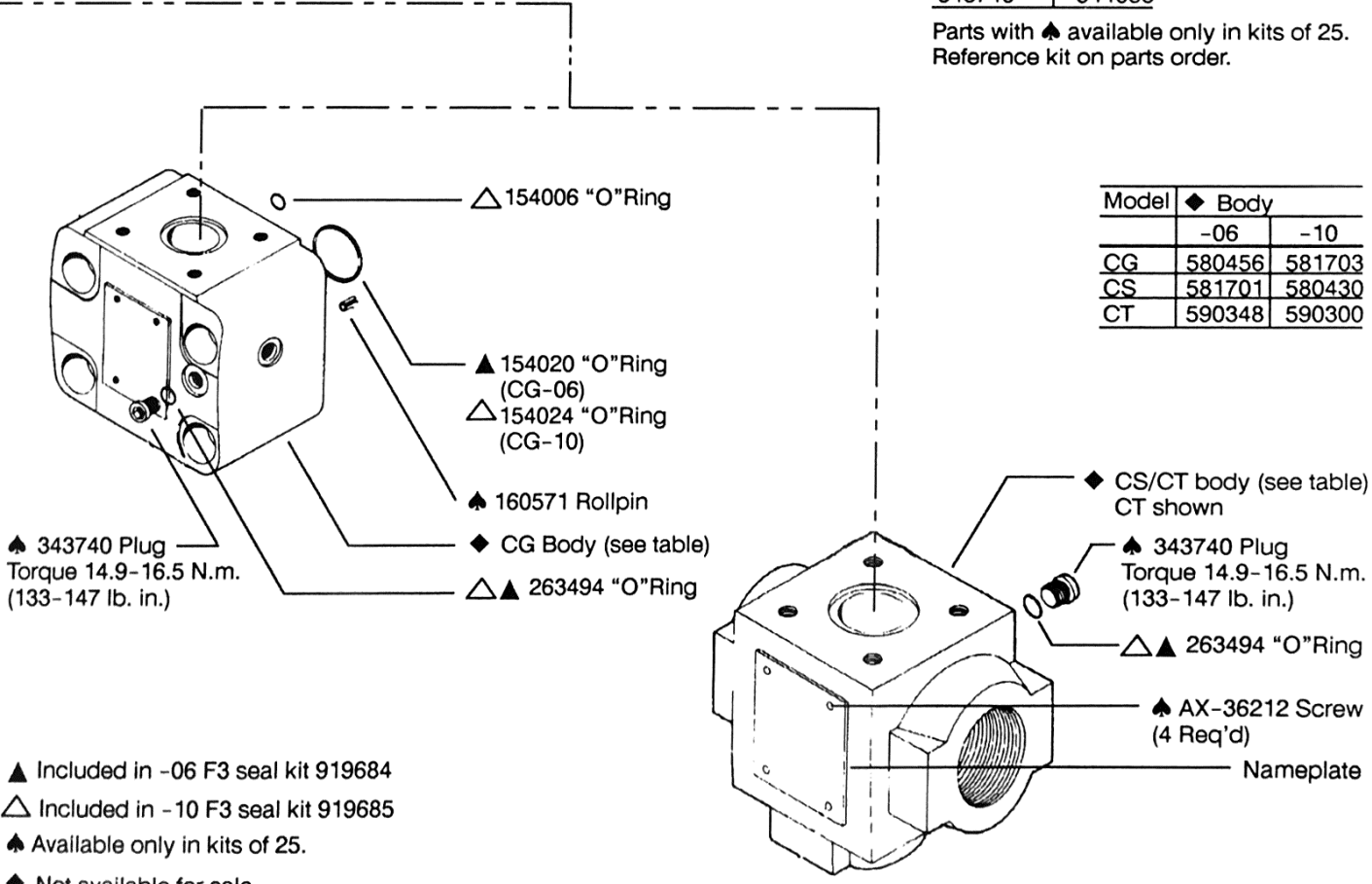
▲ Included in -06 F3 seal kit 919684
△ Included in -10 F3 seal kit 919685
♠ Available only in kits of 25.
◆ Not available for sale

Model Code

(F3)-C* **–**(*)(V)-DG-**(L)**-(V)M-(S*)-*-**–*-*(L)-** *_***–**-EN**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
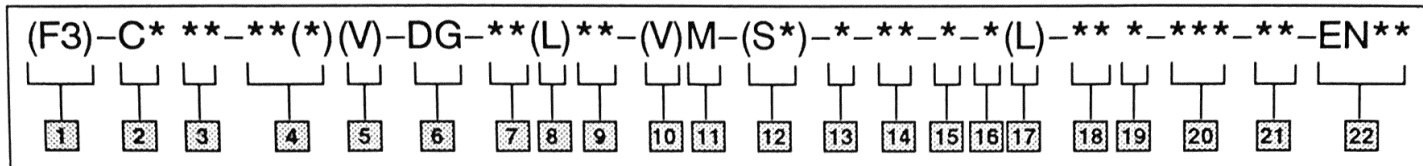
1 Seals for mineral oil & fire resistant fluids

2 Relief valve connections

G – Subplate mounting
S – Straight threads
T – NPTF threads

3 Valve size

06 – 3/4"
10 – 1-1/4"

4 Pressure range

B – 125-1000 psi
C – 500-2000 psi
F – 1500-3000 psi
E – Vent

5 High vent

Blank – Omit for low vent models

6 Directional valve

7 Spool type & spring arrangement

8C – Spring centered, Tri-pressure

8 Left hand build
Omit for standard models

9 Manual override options (included in pilot valve model code)

Blank – Plain override solenoid ends only
H – Waterproof override solenoid ends only
H2 – Waterproof override both ends of single solenoid
M – Serviceable manual overrides in solenoid ends only
P2 – Plain override both ends of single solenoid
Y – Lockable manual overrides solenoid ends only
Z – No overrides in either end

10 Solenoid energization identity

Blank – Standard arrangement for ANSI B93.9 (energise solenoid A for flow P to A port)
V – Solenoid identification determined by position of solenoid. (Solenoid A at port A end and/or solenoid B at port B end. (All 4 & 8 spools are always V code)

11 Flag symbol heading electrical options & features

12 Spool position monitoring switch (tank pressure rating 10 bar only)

S1 – Switch, normally open, U coils only
S2 – Switch, normally closed, U coils only
S3 – Switch, wired normally open, P*
S4 – Switch, wired normally closed, P*
S5 – Switch, free leads, FW & FJ only
Omit if not required

13 Coil type

U – ISO 4400
P – Plug in coil
F – Flying lead
SP1 – Single 6,3 series spade to IEC 760
SP2 – Dual 6,3 series spade to IEC 760

14 Electrical connections (F type coil only) omit if not required

T – Wired terminal block
PA – Instaplug male receptacle only
PB – Instaplug male & female receptacle
PA3 – Three pin connector & terminal block
PA5 – Five pin connector & terminal block

15 Housing (F type coils only)

W – 1/2 NPT thread wiring housing
J – 20 mm thread wiring housing

16 Electrical options

1 – ISO with fitted plug, U type coils only
7 – Surge damper, P type coils only
9 – Rectifier (fast type) P type coils only
12 – Rectifier (slow type) P type coils only

17 Solenoid indicator lights (F build only) To be used with T terminal block models.
(Omit if not required)

18 Coil indentification

19 Pilot valve code (tank pressure rating)

2 – 10 bar (145 psi) use with switch models S*
5 – 100 bar (1450 psi) for all other models

20 Pilot valve port orifices

21 Design

40 – DG4V3S-60 Standard pilot valve
50 – DG4V3-60 High performance pilot valve

22 Special modifications (omit if not required)

7 Thru 20 Included in pilot valve model code