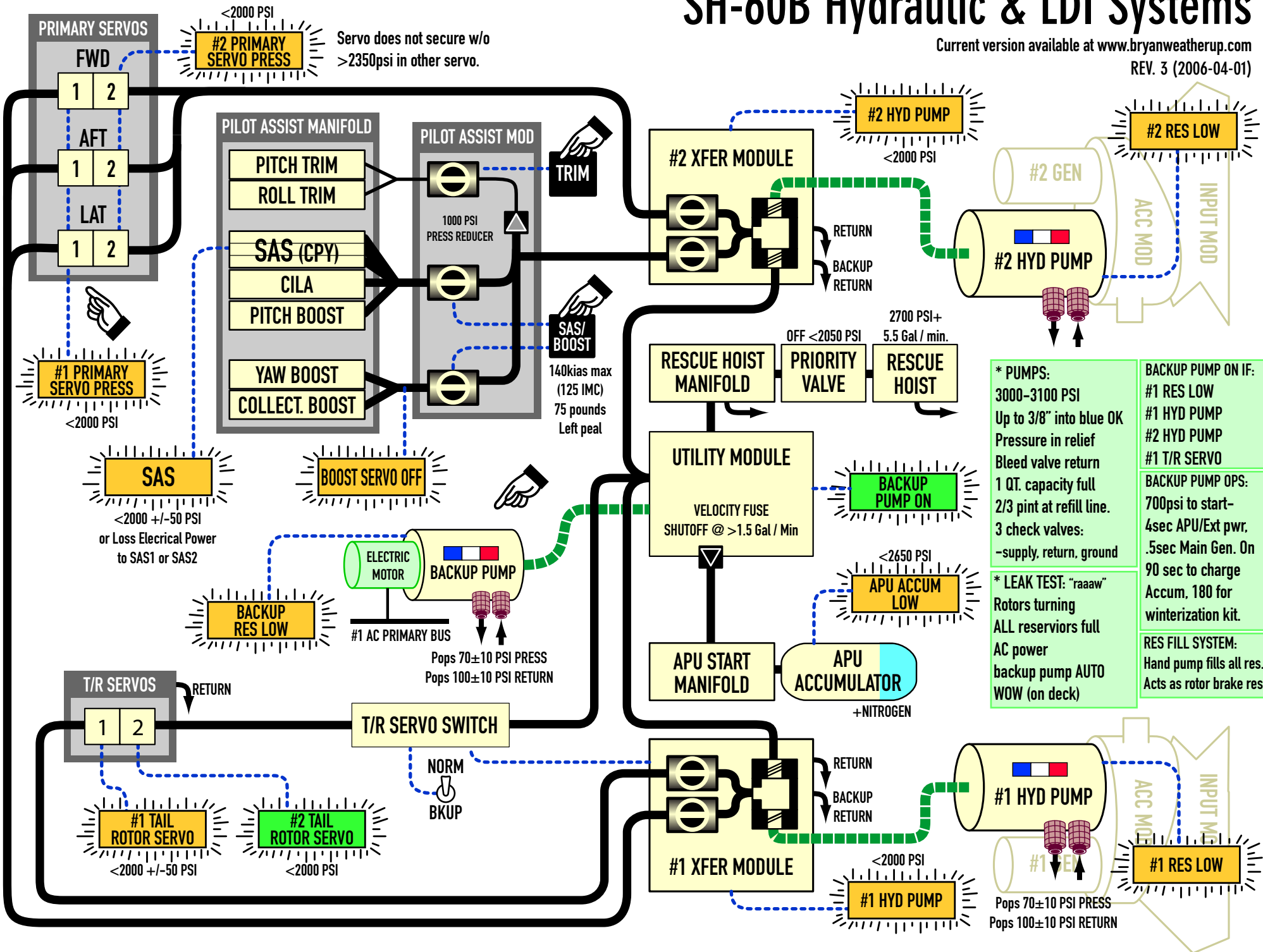


# SH-60B Hydraulic & LDI Systems

Current version available at [www.bryanweatherup.com](http://www.bryanweatherup.com)

REV. 3 (2006-04-01)



Servo does not secure w/o >2350psi in other servo.

<2000 PSI  
#2 PRIMARY SERVO PRESS

PRIMARY SERVOS  
FWD  
1 2  
AFT  
1 2  
LAT  
1 2

PILOT ASSIST MANIFOLD  
PITCH TRIM  
ROLL TRIM  
SAS (CPY)  
CILA  
PITCH BOOST  
YAW BOOST  
COLLECT. BOOST

PILOT ASSIST MOD  
1000 PSI PRESS REDUCER  
TRIM  
SAS/BOOST  
140kias max (125 IMC)  
75 pounds Left peal

#2 XFER MODULE  
RETURN  
BACKUP RETURN

#2 HYD PUMP  
<2000 PSI

#2 RES LOW  
ACC MOD  
INPUT MOD

#2 GEN  
#2 HYD PUMP

#1 PRIMARY SERVO PRESS  
<2000 PSI

SAS  
<2000 +/-50 PSI  
or Loss Electrical Power to SAS1 or SAS2

BOOST SERVO OFF

ELECTRIC MOTOR  
BACKUP PUMP  
#1 AC PRIMARY BUS  
Pops 70±10 PSI PRESS  
Pops 100±10 PSI RETURN

BACKUP RES LOW

RESCUE HOIST MANIFOLD  
OFF <2050 PSI  
2700 PSI+  
5.5 Gal / min.  
PRIORITY VALVE  
RESCUE HOIST

UTILITY MODULE  
VELOCITY FUSE  
SHUTOFF @ >1.5 Gal / Min

BACKUP PUMP ON

APU ACCUM LOW  
<2650 PSI

**\* PUMPS:**  
3000-3100 PSI  
Up to 3/8" into blue OK  
Pressure in relief  
Bleed valve return  
1 QT. capacity full  
2/3 pint at refill line.  
3 check valves:  
-supply, return, ground

**BACKUP PUMP ON IF:**  
#1 RES LOW  
#1 HYD PUMP  
#2 HYD PUMP  
#1 T/R SERVO

**BACKUP PUMP OPS:**  
700psi to start-  
4sec APU/Ext pwr.  
.5sec Main Gen. On  
90 sec to charge  
Accum, 180 for  
winterization kit.

**\* LEAK TEST: "raaw"**  
Rotors turning  
ALL reservoirs full  
AC power  
backup pump AUTO  
WOW (on deck)

**RES FILL SYSTEM:**  
Hand pump fills all res.  
Acts as rotor brake res.

T/R SERVOS  
1 2

T/R SERVO SWITCH  
NORM  
BKUP

#1 TAIL ROTOR SERVO  
<2000 +/-50 PSI

#2 TAIL ROTOR SERVO  
<2000 PSI

#1 XFER MODULE  
RETURN  
BACKUP RETURN

#1 HYD PUMP  
<2000 PSI

#1 HYD PUMP  
Pops 70±10 PSI PRESS  
Pops 100±10 PSI RETURN

#1 RES LOW  
ACC MOD  
INPUT MOD

#1 GEN