# BELL MODEL 206LS4 (206L-3 with BHT-206-SI-2052)
# WEIGHT AND BALANCE

Click here to clear sheet

**Step 1.**

Make: Bell

Aircraft "N" Number: N230PH  Model: 206L-3+ (PHI206LS4)  Aircraft S/N: 51506

Equipment installed when weighed:

Type of Landing Gear: High Skid Apical Floats

Name of Scales: Road Runner  Scale S/N: TE-1384

Scale Calibration Date: 08/2016

Location of Weighting: PHI Boothville, LA

Weighed with unusable fuel, all oils serviced full and No Ballast?  Landing light ballast 28lbs/Arm=13.00  Make a note here of weight & arm if weighed with ballast. Do not enter in the white blocks (Step 3 below)

**Step 2.**

**Scale Weight Area**

Enter all scale readings here.

SCALE READINGS ( 3 EACH JACKPOINTS)  Note: Enter scale corrections in the 2nd column (S/C) if required.

| | | SCALE | S/C | NET |
|---|---|---|---|---|
| A. (FS 55.16, BL -16.82) Enter the L/H Fwd (Red) jack reading here ----------> | | 747.0 | | 747.0 |
| B. (FS 55.16, BL +16.82) Enter the R/H Fwd (Green) jack reading here ----------> | | 757.0 | | 757.0 |
| | TOTAL | 1504.0 | | 1504.0 |
| C. (FS 204.92, BL 0) Enter the Aft ( ) jack reading here ----------> | | 1404.0 | | 1404.0 |
| | TOTAL | 2908.0 | | 2908.0 |

**LONGITUDINAL C.G. AS WEIGHED:**

FS 55.16 in X ( 1504.0 ) LB + FS 204.92 in X ( 1404.0 ) LB = 370668.32 = 127.47

Total Weight (lbs) 2908.0

**LATERAL C.G. AS WEIGHED:**  For Lateral C.G.: Left (-), Right (+)

FS +16.82 in X ( 757.0 ) LB + FS -16.82 in X ( 747.0 ) LB = 168.20 = 0.06

Total Weight (lbs) 2908.0

**D. Note: Review C.G. Chart.**

**Step 3.**

**Ballast Area**

When the actual C.G.(Arm) is not within the forward and aft limits on the C.G. Chart, determine the C.G. (Arm) required and enter the desired C.G. in the Blue "Desired C.G." block in this section. Note the weight in the "Lndg Light, Battery, Console's or Midboom" blocks and enter the appropriate ballast in the coresponding BLUE box to the right. Recheck the C.G. Page and verify that you are within the forward and aft limits. If not correct, make appropriate correction.

| | As Weighed | Weighed Arm | Current Weight | Current Arm | Desired C.G. |
|---|---|---|---|---|---|
| Empty Weight = | 2908.0 | 127.47 | 2908.0 | 127.46 | |

| | |
|---|---|
| Landing Light Ballast | 0.0 |
| Battery Ballast | 0.0 |
| Fwd Console Ballast | 0.0 |
| Aft Console Ballast | 0.0 |
| Midboom Ballast | 0.0 |

| DESCRIPTION | WEIGHT | LONGITUDINAL | | LATERAL | | |
|---|---|---|---|---|---|---|
| Units of measure | Weight, Lbs | ARM, IN | MOMENT, in-lb | ARM, in | MOMENT, in-lb | |
| Empty Weight | 2908.0 | 127.47 | 370668 | 0.06 | 168 | |
| Add unusable fuel | | 94.00 | 0 | 0.00 | 0 | |
| Land Light Ballast | | 13.00 | 0 | -2.50 | 0 | Max 28 Lbs. |
| Battery Ballast | | 16.40 | 0 | 4.60 | 0 | Max 22 Lbs. |
| Fwd Console Ballast | | 29.80 | 0 | 1.00 | 0 | See Note 5 |
| Aft Console Ballast | | 35.80 | 0 | 1.00 | 0 | See Note 6 |
| Midboom Ballast | | | 0 | 0.00 | 0 | See Note 7 & 8 |
| | | | 0 | | 0 | |
| Total | 2908.0 | 127.46 | 370668 | 0.06 | 168 | |

**Notes**

Note 1: To maintain a standard. It is better to remove weight than add weight if it is possible.
Note 2: Fwd Fuselage and Mid tailboom ballast should not be installed at the same time.
Note 3: Unusable fuel: Weight = 7.6 pounds, Arm = 94.0 inch.
Note 4: If Lateral arm exceeds 1 inch, contact Lafayette QA.
Note 5: Aircraft S/N 51390 and Subsequent, total weight of ballast not to exceed 20 pounds.
Note 6: Aircraft S/N 51001 thru 51389, total weight of ballast not to exceed 30 pounds
Note 7: Total weight of ballast not to exceed 20 pounds with a maximum height of 0.75 inch.
Note 8: Possible arms for midboom ballast are 279.15, 282.70, 286.25, 287.75, 294.85 & 291.30 -- Please refer to Maintenance Manual for details and possible combinations. The recommended ballast on this sheet is figured from station 291.30, you must enter the longitudinal arm you use, here. Slight ballast (weight) adjustments may be required if you use an arm less than 291.30. Lateral midboom ballast arm is always 0.

September 28, 2016
Date Aircraft Weighed

Anthony Bryant Jr. Anthony Bryant Jr. 3361290
Print Name Signature Certificate Number
Of Person doing the weighing.

October 5, 2016
Date Weight & Balance Checked

Steven J. Duhon Steven J. Duhon 3376898
Print Name Signature Certificate Number
Of Person checking the math and CG.