

**Airglas, Inc.**

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**FAA-APPROVED SUPPLEMENTAL FLIGHT MANUAL OR AIRPLANE FLIGHT  
MANUAL SUPPLEMENT  
FOR  
CESSNA MODELS 206, P206, P206A, P206B, P206C, P206D, P206E, U206, U206A,  
U206B, U206C, U206D, U206E, U206F, U206G, TP206A, TP206B, TP206C, TP206D,  
TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, 206H, T206H  
EQUIPPED WITH AN  
AIRGLAS PA32-206LA NOSE FORK**

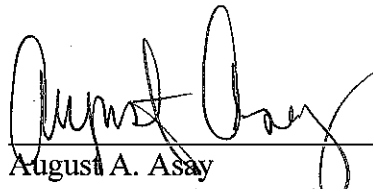
Registration Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

This document serves as a Supplemental Flight Manual for Cessna Model 206, P206, P206A, P206B, P206C, P206D, P206E, U206, U206A, U206B, U206C, U206D, U206E, U206F, U206G, TP206A, TP206B, TP206C, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, or as an Airplane Flight Manual Supplement for Cessna Model U206G and TU206G serial numbers U20602589, U20604650 and up, 206H, T206H.

This document must be carried in the airplane at all times when the Airglas PA32-206LA Nose Fork Assembly is installed in accordance with Supplemental Type Certificate Number SA02069AK. The information contained in this document supplements or supersedes the information made available to the operator by the manufacturer in the form of clearly stated placards, markings, or manuals as required by CAR 3.777(b), or in the form of an FAA approved Airplane Flight Manual as required by FAR 21.5, only in those areas listed herein. For limitations, procedures, and performance information not contained in this document, consult the basic placards, markings, or manuals, or the basic FAA approved Airplane Flight Manual.

FAA Approved:

  
\_\_\_\_\_

August A. Asay  
Manager, Anchorage Aircraft Certification Office  
Federal Aviation Administration  
Anchorage, Alaska

**FEB - 9 2015**

Date: \_\_\_\_\_

LOG OF REVISIONS

Revision No.	Pages Affected	Description	FAA Approved	Date
Initial Rel.	1 - 6	Original	G. Mandell	1-29-97
A	6 of 6	Added the U206G to the list	G. Mandell	12-2-97
B	1 - 6	Added the 206H, T206H to the list	G. Holt	11-30-01
C	1-7	Added Table 2	G. Holt	1-5-04
D	All	Changed address, added additional tire combinations. Removed registration and serial numbers from pages 2 - 7. Minor formatting changes.	See Cover	

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**SECTION I. General**

This aircraft is equipped with an Airglas PA32-206LA Nose Fork. This nose fork replaces the OEM nose fork and allows an 8.50-6 tire to be used (other size tires are acceptable). The nose fork is made out of 4130 chromoly steel that is heat treated. The tire inflation pressure is unchanged from the manufacturer's recommendations.

**SECTION II. Limitations**

1. Nose wheel tire - A tire clearance of at least 1/2 inch from the four (4) bolts on the nose fork is required.
2. Tire size: The main gear and nose gear tires must be the same size or one of these combinations:

Main Tire	Nose tire
8.50 x 6	8.00 x 6
8.50 x 6	7.00 x 6
8.50 x 6	6.00 x 6
8.00 x 6	7.00 x 6
7.00 x 6	6.00 x 6
<b>CHART 1</b>	

3. Center of Gravity Envelope - The Center of Gravity envelope is limited to the envelopes shown in Tables 1 thru 19 (Pages 6 thru 15).

**WARNING**

There are limitations on the forward C.G. envelope with the Airglas, Inc., PA32-206LA Landes Nose Fork installed. Consult pages 6 thru 15 of this supplement (Center of Gravity envelope). With the Landes Nose Fork assembly installed the aircraft must be loaded in accordance with the Center of Gravity envelope specified on pages 6 thru 15. Aircraft equipped with the optional Flint Aero, Inc. Wing Tip Tanks, STC# SA4366WE, when operated at gross weight above 3600 lbs. must use the C.G. envelope specified on page 15.

**SECTION III. Emergency Procedures**

**No Change**

**SECTION IV. Normal Procedures**

1. PREFLIGHT INSPECTION
  - A. Nose fork wheel & tire Attaching Hardware -- Secure
  - B. Nose fork block Attaching Hardware -- Secure
  - C. Nose fork tire -- Proper Inflation

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## 2. INFLIGHT PROCEDURES

Landing: The nose fork and 8.50-6 tire increase the length of the nose gear by approximately 4". Pilots should ensure that all landings are accomplished in a nose high attitude similar to the soft field approach attitude.

### CAUTION

During landing there is an increased possibility of wheel-barrowing or porpoising during landing. Pilots should ensure that all landings are accomplished in a nose high attitude similar to the soft field approach attitude.

## SECTION V. Performance Information

Cruise: Cruise speeds are reduced up to 8 mph True Airspeed due to the increased size of the 8.50-6 tires. Pilots should reduce maximum range data by 5%.

## SECTION VI. Weight and Balance/Equipment List

1. **Cessna 206 Models with the PA32-206LA Nose Fork Installed.** Aircraft weight and balance records and equipment list have been updated to reflect this installation. The C.G. envelope is **limited** for Cessna U206A, U206B, U206C, U206D, U206E, U206F, U206G, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G, TP206A, TP206B, TP206C, TP206D, TP206E, P206A, P206B, P206C, P206D, P206E, 206H, and T206H aircraft (see Tables 7 thru 18, page 9 thru 14).
2. **Cessna 206 Models with the PA32-206LA Nose Fork and the Flint Aero, Inc. Wing Tip Tanks Installed.** The C.G. envelope is **limited** for Cessna 206H, T206H, TU206F, TU206G, U206F, and U206G aircraft equipped with the optional Flint Aero, Inc. Wing Tip Tank STC# SA4366WE (see Table 19, page 15). The increased gross weight is **limited** for Cessna 206H, T206H, TU206F, TU206G, U206F, and U206G aircraft with the optional Flint Aero, Inc. Wing Tip Tank STC# SA4366WE, when operated at gross weights above 3600 lbs.
3. **Cessna 206 Models with the PA32-206LA Nose Fork Installed.** The C.G. envelope is **not limited** for Cessna 206, P206 & U206 airplanes when all three tires are the same size. The C.G. envelope is **limited** for Cessna 206, U206, P206, aircraft when tire combinations from chart 1 are installed (see Tables 1 thru 6, page 6 thru 8).

## SECTION VII. Systems Descriptions

This airplane is equipped with an Airglas Engineering Company, Inc., PA32-206LA nose fork assembly. The tire inflation pressure is unchanged from the manufacturer's recommendations. The tire and wheel are unchanged and wear indications should follow that specific manufacturer's recommendations.

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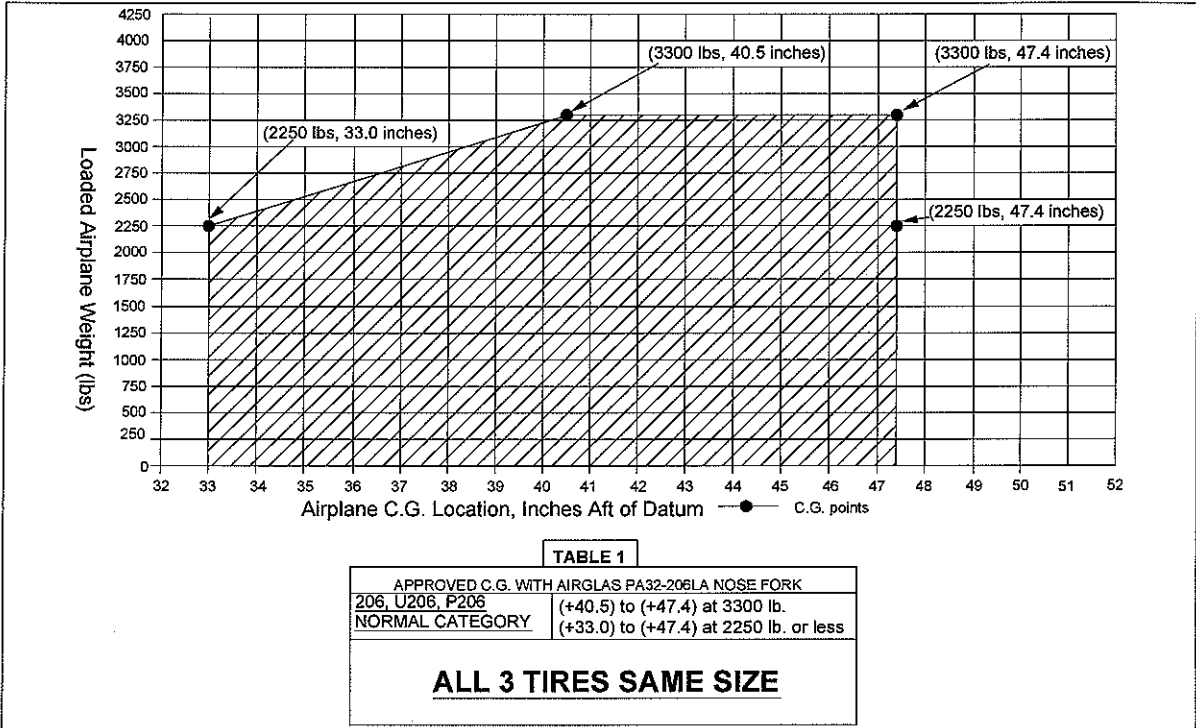
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**SECTION VIII. Handling, Servicing and Maintenance**

All handling procedures for this modification are standard. The PA32-206LA nose fork assembly may be serviced and maintained in accordance with Part 43 of the Federal Aviation Regulations (FAR 43). Servicing and maintenance in accordance with FAR 43 is adequate to insure the continued airworthiness of this modification. Information on installing the PA32-206LA nose fork Assembly can be found in the Airglas, Inc. Nose Fork Installation Instructions, original issue dated November 5, 1996 or later FAA-approved revision.

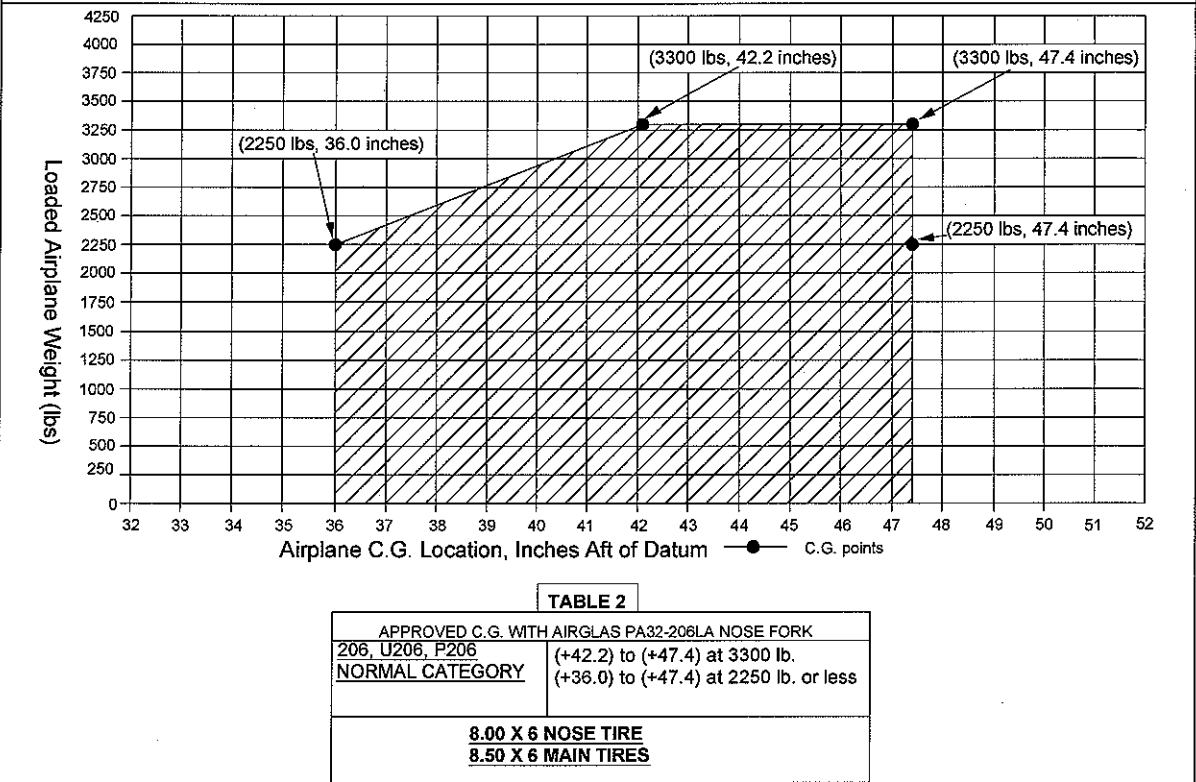
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CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are unchanged in Center of Gravity from the Type Certificate Data Sheet.



CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are changed in Center of Gravity from the Type Certificate Data Sheet.

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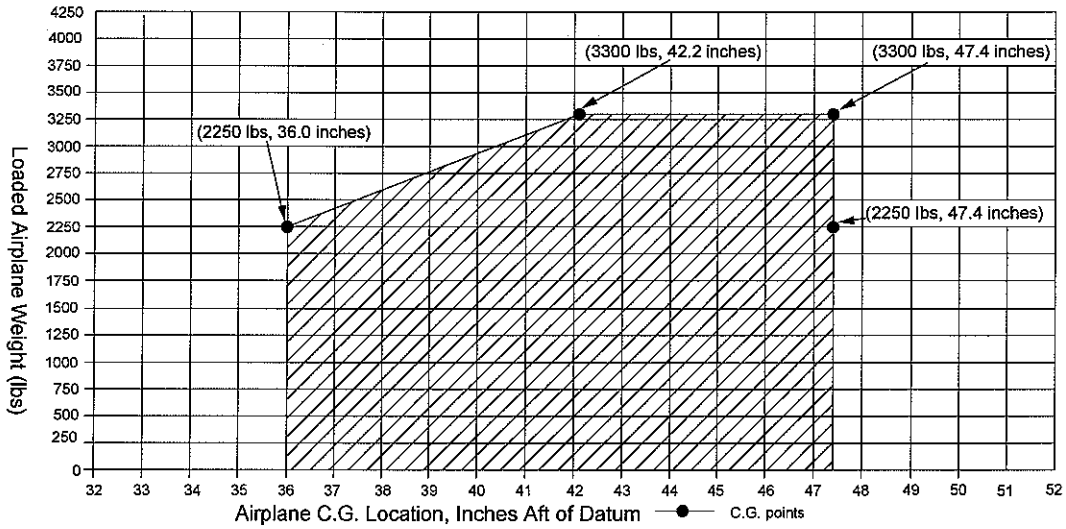


TABLE 3	
APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
206, U206, P206	(+42.2) to (+47.4) at 3300 lb.
NORMAL CATEGORY	(+36.0) to (+47.4) at 2250 lb. or less
<b>7.00 X 6 NOSE TIRE</b> <b>8.50 X 6 MAIN TIRES</b>	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
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 NOTE : Aircraft listed are **changed** in Center of Gravity from the Type Certificate Data Sheet.

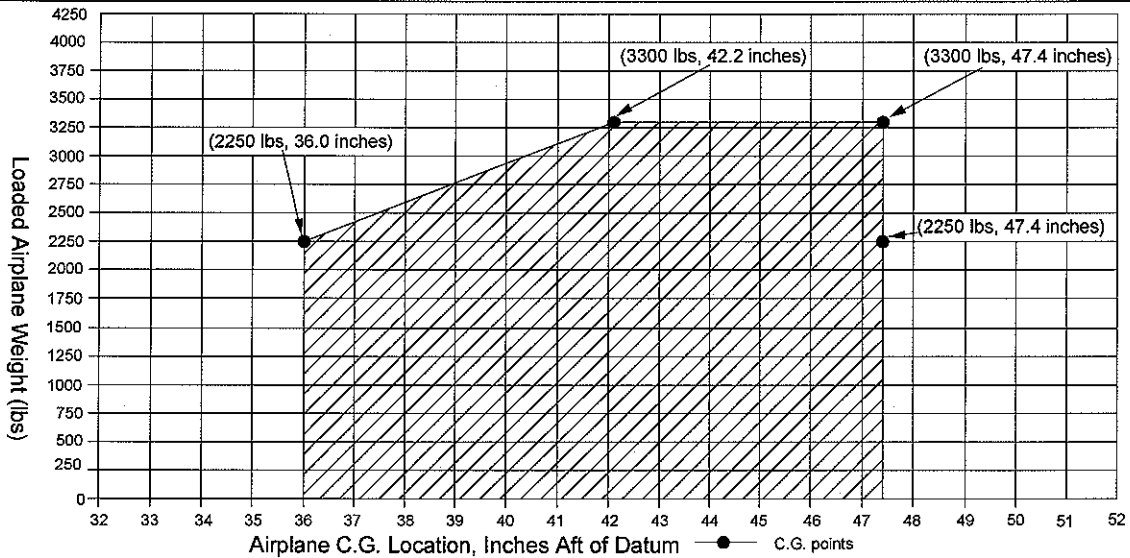
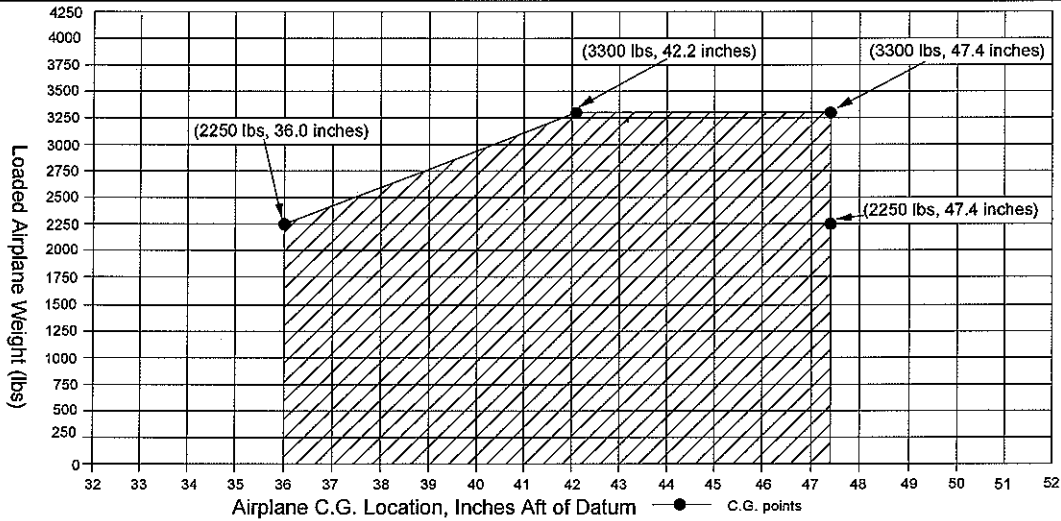


TABLE 4	
APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
206, U206, P206	(+42.2) to (+47.4) at 3300 lb.
NORMAL CATEGORY	(+36.0) to (+47.4) at 2250 lb. or less
<b>6.00 X 6 NOSE TIRE</b> <b>8.50 X 6 MAIN TIRES</b>	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
 EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.  
 NOTE : Aircraft listed are **changed** in Center of Gravity from the Type Certificate Data Sheet.

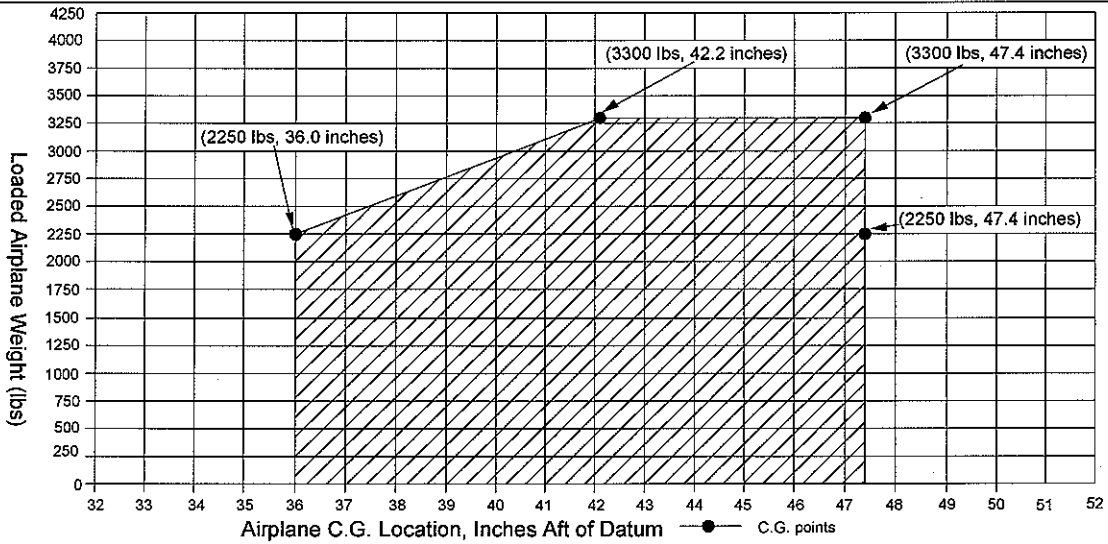


**TABLE 5**

APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
206, U206, P206	(+42.2) to (+47.4) at 3300 lb.
<b>NORMAL CATEGORY</b>	(+36.0) to (+47.4) at 2250 lb. or less
<b>7.00 X 6 NOSE TIRE</b> <b>8.00 X 6 MAIN TIRES</b>	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are changed in Center of Gravity from the Type Certificate Data Sheet.



**TABLE 6**

APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
206, U206, P206	(+42.2) to (+47.4) at 3300 lb.
<b>NORMAL CATEGORY</b>	(+36.0) to (+47.4) at 2250 lb. or less
<b>6.00 X 6 NOSE TIRE</b> <b>7.00 X 6 MAIN TIRES</b>	

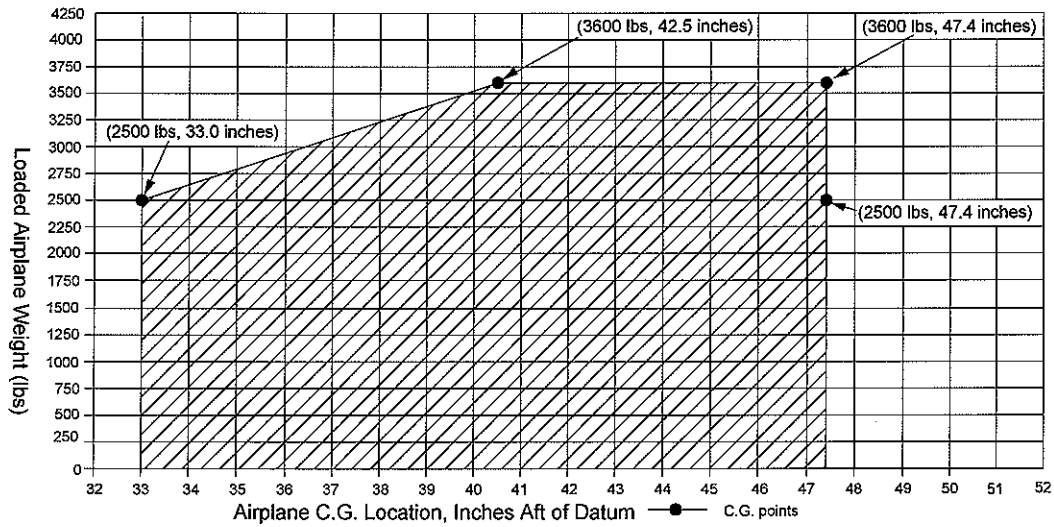
CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

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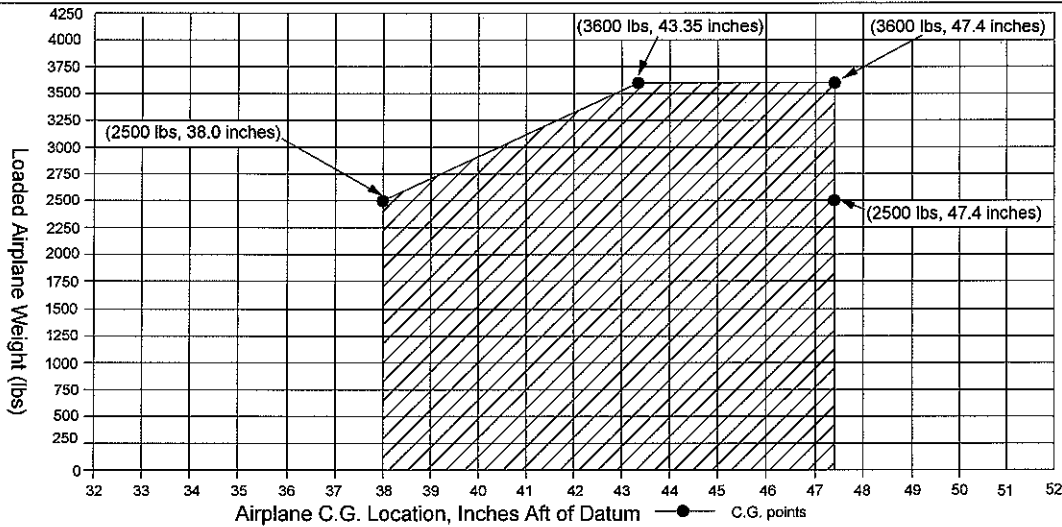


**TABLE 7**

APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
U206A, B	(+42.5) to (+47.4) at 3600 lb.
P206A, B	(+33.0) to (+47.4) at 2500 lb. or less
TU206A, B	
TP206A, B	
<b>ALL 3 TIRES SAME SIZE</b>	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are changed in Center of Gravity from the Type Certificate Data Sheet.



**TABLE 8**

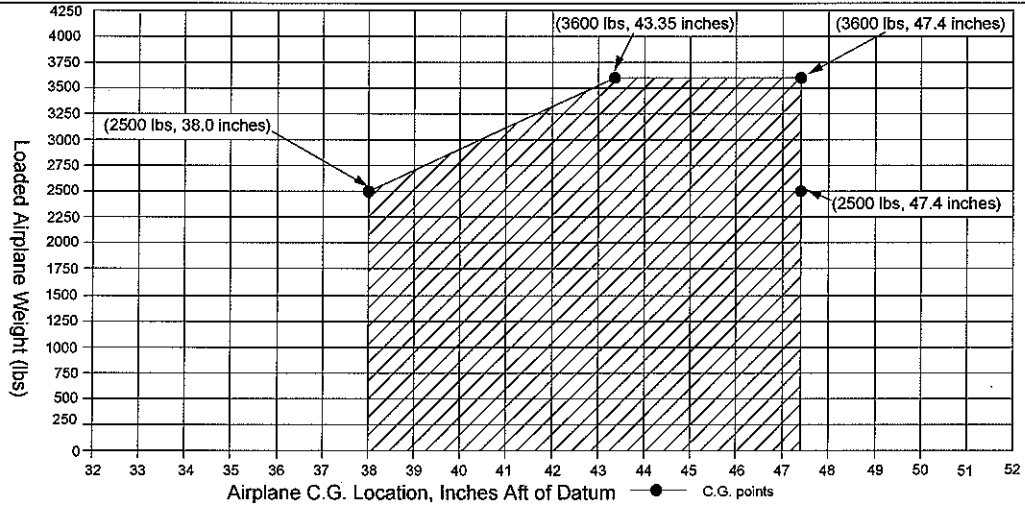
APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
U206A, B	(+43.35) to (+47.4) at 3600 lb.
P206A, B	(+38.0) to (+47.4) at 2500 lb. or less
TU206A, B	
TP206A, B	
<b>8.00 X 6 NOSE TIRE</b> <b>8.50 X 6 MAIN TIRES</b>	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are changed in Center of Gravity from the Type Certificate Data Sheet.

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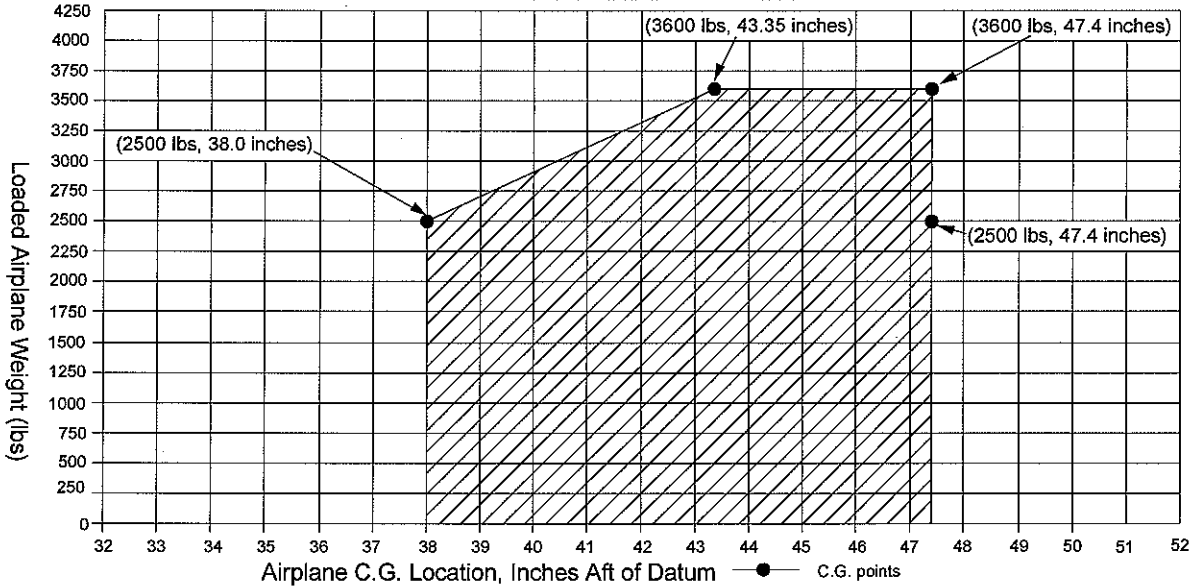


**TABLE 9**

APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
U206A, B	(+43.35) to (+47.4) at 3600 lb.
P206A, B	(+38.0) to (+47.4) at 2500 lb. or less
TU206A, B	
TP206A, B	
<b>7.00 X 6 NOSE TIRE</b>	
<b>8.50 X 6 MAIN TIRES</b>	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are changed in Center of Gravity from the Type Certificate Data Sheet.



**TABLE 10**

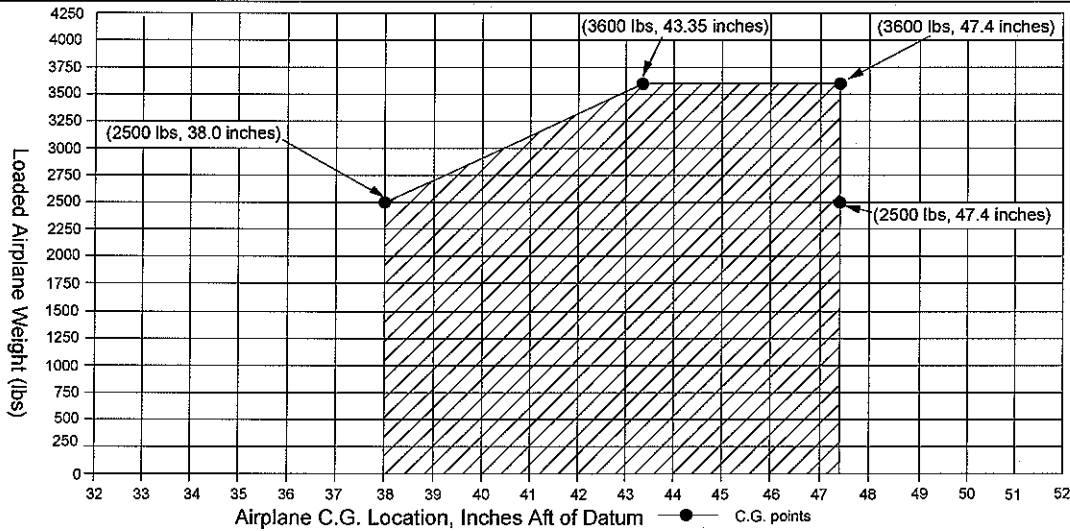
APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
U206A, B	(+43.35) to (+47.4) at 3600 lb.
P206A, B	(+38.0) to (+47.4) at 2500 lb. or less
TU206A, B	
TP206A, B	
<b>6.00 X 6 NOSE TIRE</b>	
<b>8.50 X 6 MAIN TIRES</b>	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
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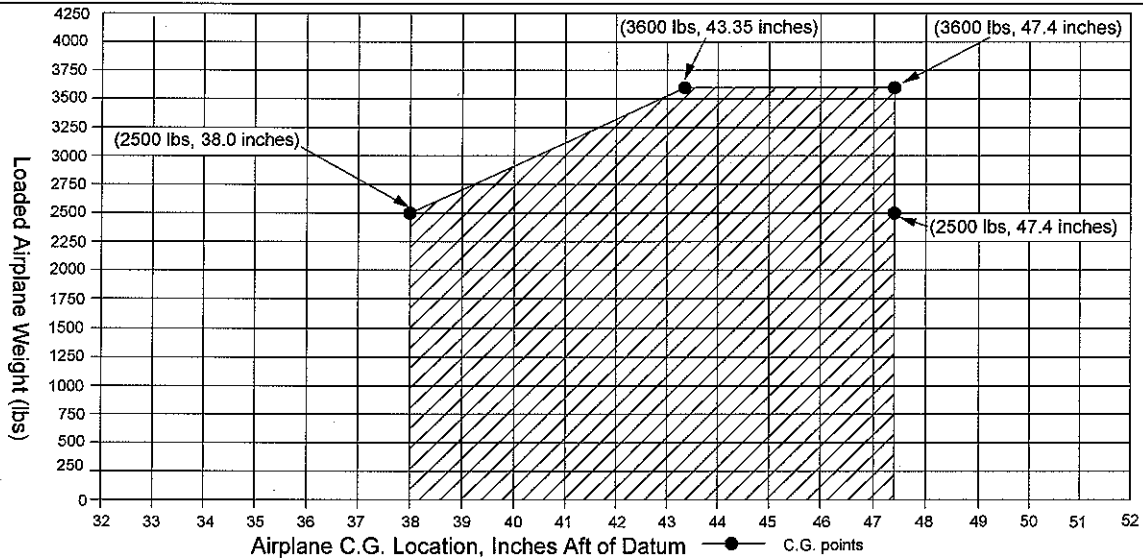


**TABLE 11**

APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
U206A, B	(+43.35) to (+47.4) at 3600 lb.
P206A, B	(+38.0) to (+47.4) at 2500 lb. or less
TU206A, B	
TP206A, B	
<b>7.00 X 6 NOSE TIRE</b> <b>8.00 X 6 MAIN TIRES</b>	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are **changed** in Center of Gravity from the Type Certificate Data Sheet.

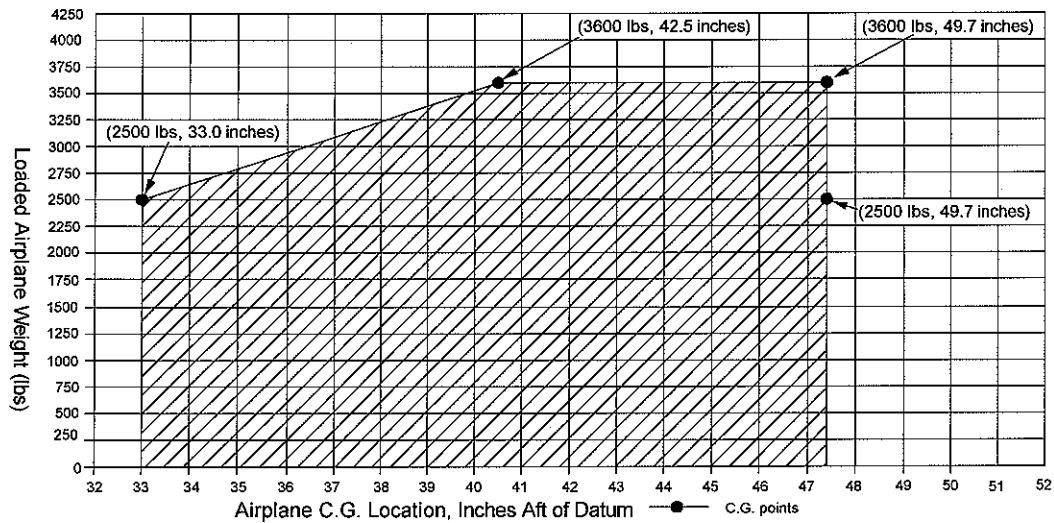


**TABLE 12**

APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
U206A, B	(+43.35) to (+47.4) at 3600 lb.
P206A, B	(+38.0) to (+47.4) at 2500 lb. or less
TU206A, B	
TP206A, B	
<b>6.00 X 6 NOSE TIRE</b> <b>7.00 X 6 MAIN TIRES</b>	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are **changed** in Center of Gravity from the Type Certificate Data Sheet.

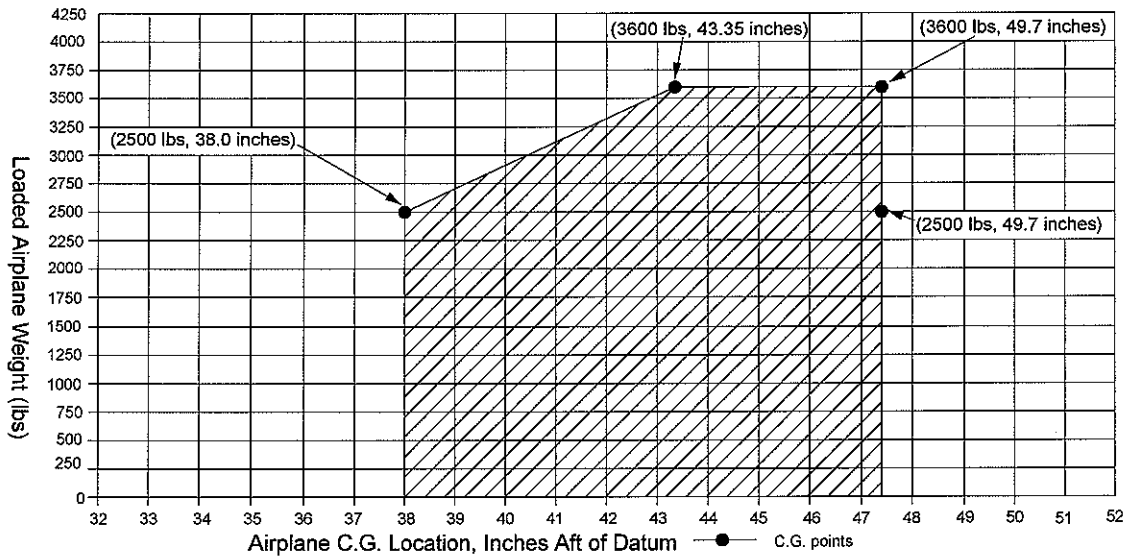


**TABLE 13**

APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
U206C, D, E, F, G	(+42.5) to (+49.7) at 3600 lb.
P206C, D, E	(+33.0) to (+49.7) at 2500 lb. or less
TU206C, D, E, F, G	
TP206C, D, E	
206H, T206H	
<b>ALL 3 TIRES SAME SIZE</b>	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are changed in Center of Gravity from the Type Certificate Data Sheet.

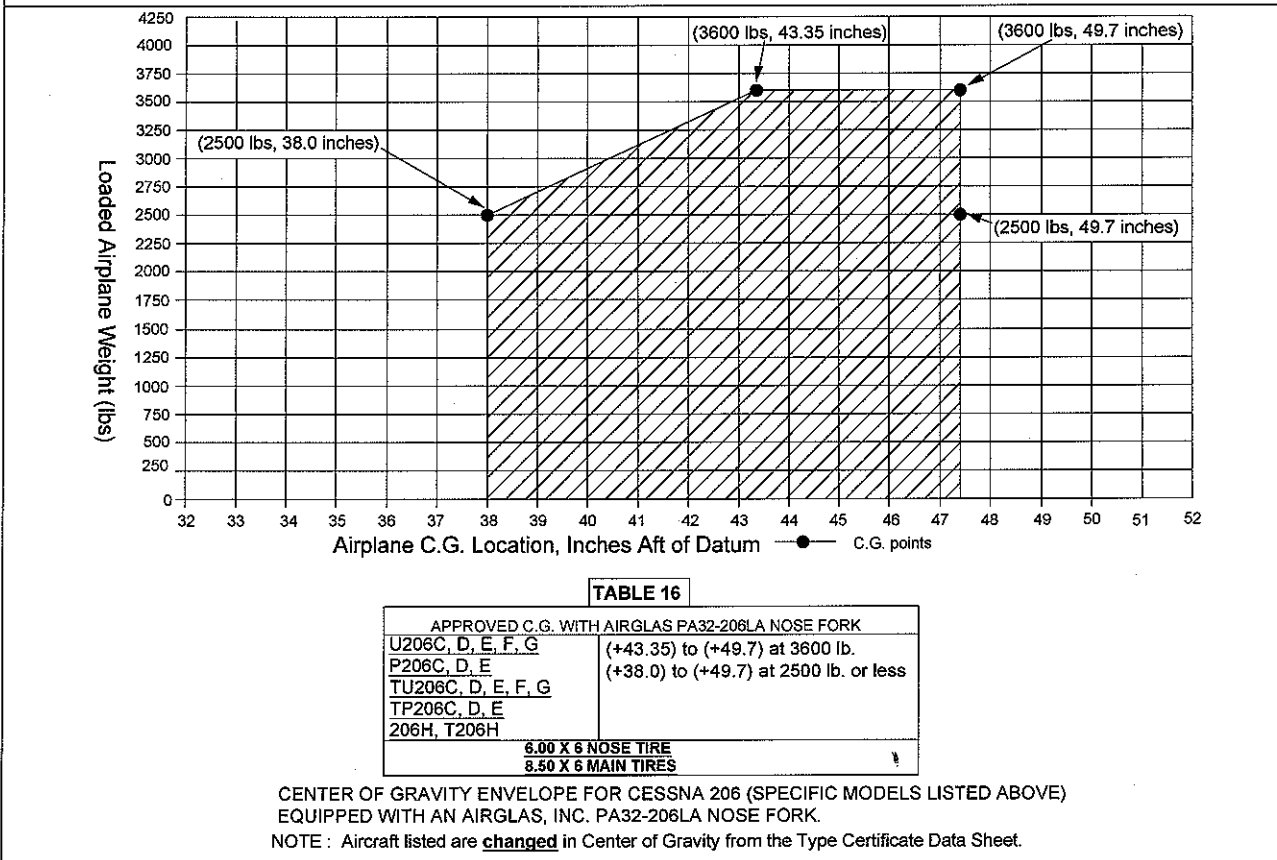
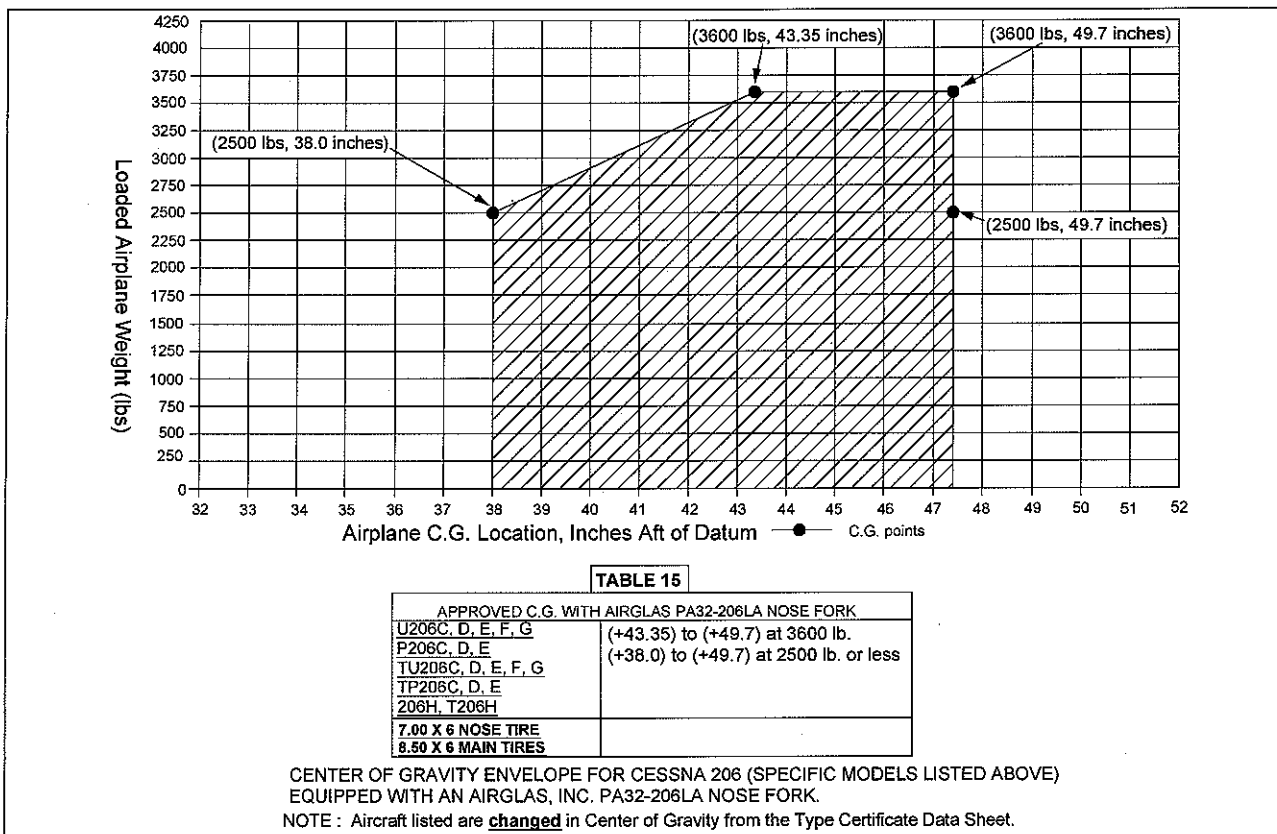


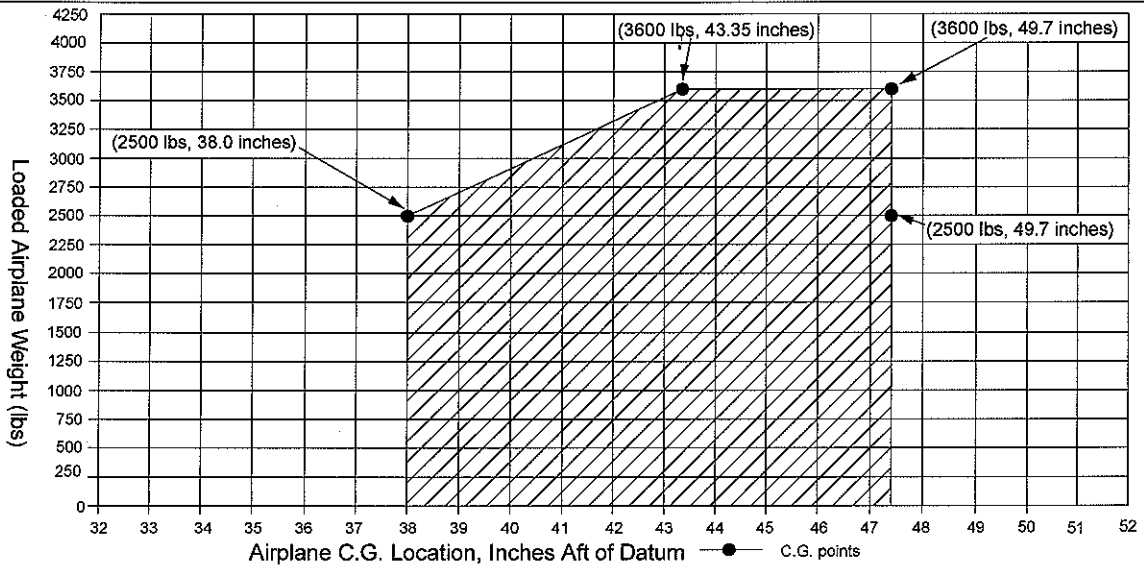
**TABLE 14**

APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
U206C, D, E, F, G	(+43.35) to (+49.7) at 3600 lb.
P206C, D, E	(+38.0) to (+49.7) at 2500 lb. or less
TU206C, D, E, F, G	
TP206C, D, E	
206H, T206H	
8.00 X 6 NOSE TIRE 8.50 X 6 MAIN TIRES	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are changed in Center of Gravity from the Type Certificate Data Sheet.



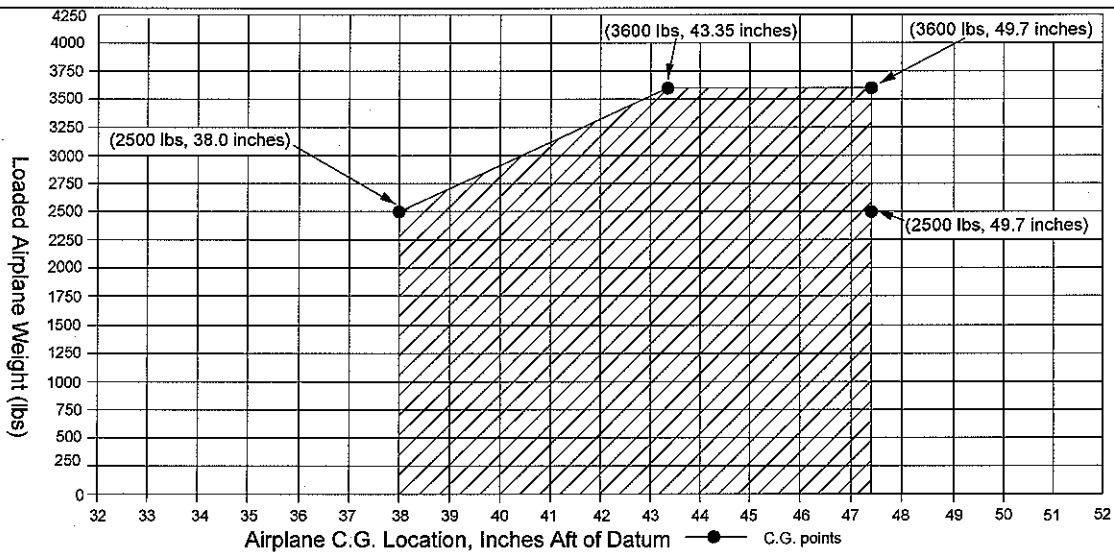


**TABLE 17**

APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
U206C, D, E, F, G	(+43.35) to (+49.7) at 3600 lb.
P206C, D, E	(+38.0) to (+49.7) at 2500 lb. or less
TU206C, D, E, F, G	
TP206C, D, E	
206H, T206H	
7.00 X 6 NOSE TIRE	
8.00 X 6 MAIN TIRES	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are changed in Center of Gravity from the Type Certificate Data Sheet.

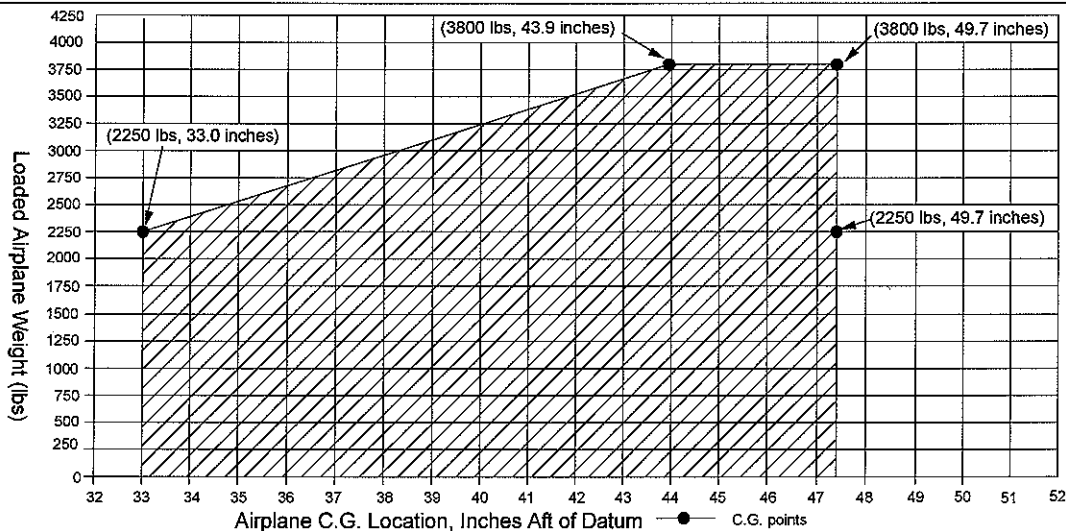


**TABLE 18**

APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
U206C, D, E, F, G	(+43.35) to (+49.7) at 3600 lb.
P206C, D, E	(+38.0) to (+49.7) at 2500 lb. or less
TU206C, D, E, F, G	
TP206C, D, E	
206H, T206H	
6.00 X 6 NOSE TIRE	
7.00 X 6 MAIN TIRES	

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE)  
EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK.

NOTE : Aircraft listed are changed in Center of Gravity from the Type Certificate Data Sheet.



**TABLE 19**

APPROVED C.G. WITH AIRGLAS PA32-206LA NOSE FORK	
U206F, G	(+43.9) to (+49.7) at 3800 lb.
TU206F, G	(+33.0) to (+49.7) at 2250 lb. or less
206H, T206H	

**ALL 3 TIRES SAME SIZE**

CENTER OF GRAVITY ENVELOPE FOR CESSNA 206 (SPECIFIC MODELS LISTED ABOVE) EQUIPPED WITH AN AIRGLAS, INC. PA32-206LA NOSE FORK, AND THE **FLINT AERO, INC. WING TIP TANK STC# SA4366WE.**

NOTE : Aircraft listed are changed in Center of Gravity from the Type Certificate Data Sheet.

**-END-**