

	<b>S.A.G.A EURL</b> C/O Gaston ULRIC 15 Lotissement Les Vallons Route de Balata 97234 FORT DE FRANCE SIRET 482 569 613 00011	<b>BON DE LANCEMENT ET EXÉCUTION N° : 03-2017</b>  <b>IMMATRICULATION : F-GATD</b> <b>DATE : 02/03/2017</b>
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<b>ORGANISME D'ENTRETIEN</b>	
Nom : ATIS	N° d'agrément : FR.145.566
Dirigeant responsable : GUINOT Françoise	

<b>SITUATION DE L'APPAREIL AU COURS DES TRAVAUX</b>						
	<b>MARQUE</b>	<b>TYPE</b>	<b>N° DE SÉRIE</b>	<b>HT</b>	<b>H depuis Rév.</b>	<b>Pot. Restant</b>
Cellule	PIPER	PA 28-181	28 78 90138	9368.3		S/O
Moteur	LYCOMING	O360 A4M	L-30677-36AC	3974.0	649.8	1750.2
Hélice	SENSENICH	76EMS85 0 82	100294K	2474.8	492.1	1507.9
Heures depuis dernière visite : 22.5						
Heures jusqu'à prochaine visite : 24.5						

Nature des travaux	<b>VISA</b>	
	Lancement	Exécution
- Vérification trains d'atterrissage		

TRAVAUX SUPPLÉMENTAIRES	<b>VISA</b>

<b>Programme d'entretien</b>
Les travaux doivent être réalisés en accord avec le Programme d'Entretien S.A.G.A : Edition n° 2, Révision : 00, Avril 2013. Approbation : OSAC – DOOM

Demandeur : ULRIC Gaston



Avion : PA28-181

Immat. :F-GATD

DT n° 17-30

Outils / Instruments			
Désignation	Marque	P/N	S/N

Matériels		
P/N	Description	Qté

Données d'Entretien			
Réf.	Description	Révision	Date
761-679	Maintenance Manual PA28	PR130131	janv-13 <i>(DD)</i>

Disponibilité installations et personnel			
Disponibilité hangar	N° Emplacement / Ligne	Dispo hangar	Durée prévue
OUI	3	10j	10j
Disponibilité technicien	Nombre	Dispo personnel	Durée prévue
OUI	2	16 HH	16 HH
Disponibilité équipements (1 compresseur; 4 escabots; 1 plateforme (profondeur); 2 visseuses; 3 caisses mécanicien; 1 cylinder wrench set; 4 établis; 3 étagères roulantes)		OUI	OUI

**Rappel: les techniciens sont responsable d'exécuter les tâches critiques durant les périodes où ils sont les plus alertes !!**

ATIS PLA Ed3 Amdt0

**Dossier de Travaux N°****17-30****Propriétaire / Exploitant :****S.A.G.A Eurl****Aéronef / Equipement :**

Type / P/N	S/N	Immat.
<b>PA28-181</b>	<b>28-7890138</b>	<b>F-GATD</b>

**Documents fournis par le client :**

- Bon de commande
- Programme d'Entretien
- Grilles d'émargement
- CN/AD/SB
- Autre :  
.....  
.....

**Date :****13 mars 2017**

**DT N° 17-30****Liste des pages**

Référence	Nom du document	Nbre pages
ATIS DT 0	Page de garde	1
ATIS DT 1	Liste des pages	1
ATIS DT 2	Bon de lancement des travaux	2
ATIS DT 3	Liste des pièces remplacées	1
ATIS DT 4	Travaux commandés / découverts	3
ATIS DT 5	Travaux reportés ou à suivre	1
ATIS DT 6	Récapitulatif Dossier de Travaux	1
CRS	Certificat de Remise en Service	1
OE	Ordre d'Exécution	0
ATIS RECAP	Récapitulatif des taches effectuées	0

DT N° 17-30

**Bon de Lancement de Travaux****Programme d'Entretien**

Edition :	2	Révision :	0	Date :	avril-13
Réf. approbation :	OSAC-DOOM-13-0130				

**Aéronef / Equipement**

Type / P/N : PA28-181	S/N :	28-7890138	Immat. :	F-GATD
Heures totales :		9368,3		h:mn
Heures depuis □GV / □ RG :		N/A		h:mn
GMP 1 : <input checked="" type="checkbox"/> Heures totales / <input type="checkbox"/> Heures depuis RG	3974	649,8	h:mn	
GMP 2 : <input type="checkbox"/> Heures totales / <input type="checkbox"/> Heures depuis RG	N/A	N/A	h:mn	
Hélice 1 : <input checked="" type="checkbox"/> Heures totales / <input type="checkbox"/> Heures depuis RG	2474,8	492,1	h:mn	
Hélice 2 : <input type="checkbox"/> Heures totales / <input type="checkbox"/> Heures depuis RG	N/A	N/A	h:mn	
Atterrissages :		N/A		ATT

**Travaux Programmés**

Nil

**Application CN/AD/SB**

Nil

**DT N° 17-30****Bon de Lancement de Travaux****Equipements à potentiel**

ED trains suivant AMM 32-10-00 et 32-20-00

**Travaux supplémentaires**

Nil

Le Responsable Entretien  
M. Rouffignac Bernard

*DABO Nicolas*

P/N IPC	Désignation	Quantité
MS21059-3	Nut plate S/N ou Lot : _____ N° Doc. Lib. : 2752351	13,00
MS27039-0805	Screw S/N ou Lot : _____ N° Doc. Lib. : 4242614	2,00
H10-08	Nut S/N ou Lot : _____ N° Doc. Lib. : 70146994-00001	2,00
NAS1149FN832P	Washer S/N ou Lot : Y4658 N° Doc. Lib. : 585056	2,00
04-00398	CSK Stainless washers S/N ou Lot : _____ N° Doc. Lib. : LO30-16886	4,00
MS24694S50	Screw S/N ou Lot : _____ N° Doc. Lib. : CO518828	4,00
484-770	Packing - Quad ring (4222) S/N ou Lot : _____ N° Doc. Lib. : 7364418646	1,00
AN310-5	Nut (Castle) S/N ou Lot : _____ N° Doc. Lib. : 3694201	2,00
MS24665-153	Cotter pin S/N ou Lot : _____ N° Doc. Lib. : 4463628	2,00
MS24665-362	Cotter pin S/N ou Lot : _____ N° Doc. Lib. : 4006171	2,00
NAS1149F0532P	Washer S/N ou Lot : _____ N° Doc. Lib. : 2305884	1,00
DIV	Ingredients S/N ou Lot : _____ N° Doc. Lib. :	1,00

**DT N° 17-30**  
**Application CN/AD/SB**

**Travaux Commandés**  
**13/03/17**

Nil	F-GATD
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N° OPS	Tâches à effectuer	CRIT	Exec.	Cont.
1	Nil			
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**Observations :** (noter le n° de l'item correspondant)

**DT N° 17-30**  
**Equipements à potentiel**

**Travaux Commandés**

Nil	F-GATD
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N° OPS	Tâches à effectuer	CRIT	Exec.	Cont.
1	ED trains suivant AMM 32-10-00 et 32-20-00	†	NRE	NEE
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**Observations :** (noter le n° de l'item correspondant)

1/ Dépose, désassemblage, inspection, râssemblage, repose suivant AMM 32-10-00 et AMM 32-20-00, remplacement joint polypack train avant  
(BUD-RIN-C)

**Travaux supplémentaires**

N° OPS	Tâches à effectuer	CRIT	Exec.	Cont.
1	Nil			
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10				

**Observations :** (noter le n° de l'item correspondant)

DT N° 17-30

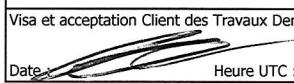
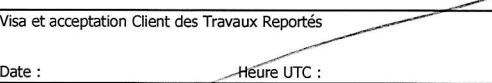
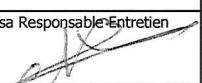
Travaux Découverts  
13/03/17

Nil	F-GATD
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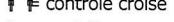
N° OPS	Tâches à effectuer	CRIT	Exec.	Cont.
1	Remplacement prisoniers capot moteur		NRE	
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**Observations :** (noter le n° de l'item correspondant)

1/ Prisoniers capot moteur remplacés

Visa et acceptation Client des Travaux Demandés  Date :  Heure UTC :	Visa et acceptation Client des Travaux Reportés  Date :  Heure UTC :	Visa Responsable Entretien 
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Ed. 1 Rev. 14 avril 2016

Rappel :  = autocontrôle  
 = contrôle croisé  
 = contrôle par personnel habilitéATIS DT 4  
Page3

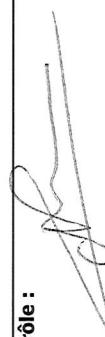
DT N° 17-30

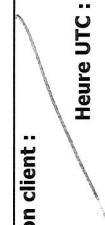
Travaux Reportés ou à suivre  
13/03/17

Nil F-GATD

N°	Item	Cause du report	Visite report	Temps M.O.	P/N à commander	Réf. CF
1	Nil					
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Visa et acceptation client :

Date : 

Heure UTC : 

DT N° 17-30

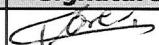
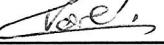
## Récapitulatif Dossier de Travaux

Date :	13/03/17	Type de Travaux :
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## Aéronef / Equipement

Type / P/N :	PA28-181	S/N :	28-7890138	Immat. :	F-GATD
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En signant ci-après, le technicien atteste : sa participation aux tâches, qu'il a contrôlé que tout son outillage est présent dans sa caisse à l'issue de la maintenance et que toutes les trappes déposées ont été reposées

Exécutants :			Contrôleurs :		
Nom	Visa	Signature	Nom	Visa	Signature
NORE L.	NRE		NORE L.	NRE	

## Outilage utilisé

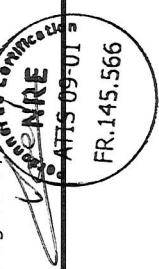
P/N	S/N	Péremption	Restitution

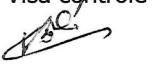
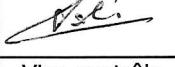
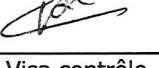
Réception Visa :



Clôture Visa :



1. Approving competent Authority / Country <b>DIRECTION GENERALE DE L'AVIATION CIVILE France</b>		2. <b>AIRCRAFT CERTIFICATE OF RELEASE TO SERVICE</b> <b>Certificat d'approbation pour remise en service aéronef</b>		3. Form tracking number N° de repère du formulaire 17-30
4. Approved Organisation name and address / Nom et adresse de l'Organisme Agréé <b>Air Tourisme Instruction Services</b> - Zone Aviation Générale - Aéroport Martinique Aimé Césaire - 97232 LE LAMENTIN - Martinique (F.W.I.)				5. Work Order / Contract / Invoice Bon de commande / Contrat / Facture <b>SAGA03-17</b>
6. Model / Type PA28-181	7. Registration Immatriculation F-GATD	8. A/C Serial number Numéro de série aéronef 28-7890138	9. Engines Serial Number / N° de série des moteurs Moteur #1 : L-30677-36AC	10. APU Serial number N° de série du Groupe Aux. N/A
12. Status : Work performed / Etat - Travaux effectués :	13. CN/AD/SB applies :	14. Type visite : Nil	15. Moteur #2 : Autres travaux : Nil	16. End / Fin 22/03/17
Tâches kardex : ED trains suivant AMM 32-10-00 et 32-20-00		Autres travaux : Remplacement prisoniers capot moteur		17. Aircraft flying hours Heures de vol 9368,3
18. Aircraft cycles Cycles N/A		19. Part 145.A.50 Release to Service / Approbation pour Remise en Service selon la Partie 145.A.50 Certificates that unless otherwise specified in block 13, the work identified in block 12 and described in block 13, was accomplished in accordance with PART 145 and in respect to that work the aircraft is considered ready for release to service Certifie que, sauf indication contraire spécifiée en case 13, les travaux identifiés en case 12 et décrits en case 13 ont été réalisés conformément à la PARTIE 145 et qu'il a vu de ces travaux, l'aéronef est considéré prêt à la remise en service.		20. Authorized Signature / Signature  ATTIS 09-01 = FR.145.566
		21. Certificate / Approval Ref. N° N° de certificat / d'agrément FR.145.566		22. Name / Nom More laurent
		23. Date (dd/mm/yy) / UTC time Date (jj/mm/aa) / heure UTC 22/03/2017 12:00		24. Location / Lieu Date (jj/mm/aa) / heure UTC 22/03/2017 12:00
				25. FORM ATTIS CRS ED. 1 REV. 3 mai 2011

N°	Points à vérifier	Contrôleur
1	Toutes les opérations d'entretien commandées par le client et les actions correctives en résultant ont bien été exécutées conformément aux déclarations signées	Visa contrôle 
2	Toutes les opérations d'entretien y compris les réparations, ont bien été exécutées selon les procédures spécifiées dans le MOE et selon les données constructeur approuvées applicables à l'aéronef et à jour	Visa contrôle 
3	Tous les outillages/ équipements /pièces ou matériels étrangers ont été retirés et tous les panneaux déposés ont bien été reposés	Visa contrôle 
4	Toutes les modifications ont bien été effectuées, vérifiées et testées selon de la documentation approuvée par le constructeur et l'autorité d'immatriculation de l'aéronef.	Visa contrôle  NIA
5	Tous les travaux reportés ont bien été justifiés, n'affectent pas la navigabilité de l'aéronef et ont bien été acceptés par le client (présence d'une liste récapitulative)	Visa contrôle 
6	Les modifications affectant les limitations ou les informations contenues dans les documents de navigabilité sont connues de l'exploitant pour qu'il puisse mettre à jour sa documentation technique. (ex : nouvelle fiche de pesée)	Visa contrôle NIA
7	Toutes les CN et AD demandées sur le bon de commande des travaux ont bien été appliquées dans les limites imposées (heures, cycles ou dates mentionnées sur les ordres d'exécution)	Visa contrôle NIA
8	Toutes les grilles d'émarginement et ordres d'exécution ouverts font bien l'objet d'une fermeture: date et visa de l'exécutant sur le bordereau de signatures et sur les cartes et ordres d'exécution.	Visa contrôle 
9	Tous les travaux supplémentaires découverts en visite sont : - soit clôturés sur la liste des travaux découverts en visite - soit mis en liste des travaux reportés	Visa contrôle 
10	Toutes les tâches soumises à contrôle sont visées par un contrôleur	Visa contrôle 
11	Tous les équipements installés sur avion sont munis d'une EASA Form one ou équivalent (documents conformes à PI 005) et les tests fonctionnels après installation ont été exécutés et enregistrés	Visa contrôle 
12	La cabine a été inspectée pour en vérifier la conformité avec le plan d'armement	Visa contrôle NIA
13	Si la visite est fractionnée, vérifier que la butée maximale heure visite avion + la tolérance ne sera pas atteinte avant la fin de la dernière fraction	Visa contrôle NIA
14	Si l'APRS peut être prononcée, en base, le faire sur le certificat d'APRS avec report sur le CRM ou carnet de route avion. Immédiatement après signature mais avant la remise en ligne de l'avion transmettre une copie du certificat d'APRS + la liste des travaux reportés à l'exploitant. Si l'APRS est prononcée en piste, le faire directement sur CRM (avec réponse à chaque item traité ou report signalé dans le cadre réservé à cet effet) ou carnet de route.	Visa contrôle 
<b>Une copie du CRM est archivée avec le dossier de visite</b>		

**PIPER AIRCRAFT  
PA-28-181  
AIRPLANE MAINTENANCE MANUAL**

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**MAIN GEAR****A. DISASSEMBLY OF MAIN GEAR OLEO** (Refer to Figure 32-1.)**—NOTE—**

*Main gear axle and piston tube assembly are removed from cylinder housing with the gear either removed from or installed on the airplane. The gear must be removed from the airplane in order to remove metering component in the top of housing. (Refer to removal of gear.)*

- WRE* 1. Place airplane on jacks. (Refer to chapter 7.)
- WRE* 2. Place drip pan under main gear to catch spillage.
- WRE* 3. Remove the gear axle and piston tube assembly as follows:
  - a. Remove air from oleo chamber by depressing air valve core pin in the inspection hole on top of wing. After pressure in oleo chamber has diminished, remove valve core pin and attach a small hose to air valve. Drain fluid by slowly compressing piston tube. To extract more fluid, remove filler plug, insert a siphon hose, and drain fluid from upper area of housing.
  - b. Disconnect flexible brake line at elbow on brake assembly.
  - c. Disconnect torque link assembly by removing any one of three cotter pins, nuts, washers, and bolts. (Note arrangement of components for installation.) Carefully slide piston tube from the cylinder housing.
  - d. Remove scraper ring, located inside lower end of cylinder housing, by first removing retainer ring, spacer ring, and scraper ring.
  - e. Remove O-ring seal, located just before scraper ring, by using a curved wire or spoon shaped tool and inserting it under ring.
- 4. Remove cylinder head and orifice assembly as follows:
  - a. Cut safety wire and remove bolts that hold cylinder head in the top of housing. Remove assembly from housing.
  - b. If O-ring was used with cylinder head, remove and discard O-ring. If O-ring was not used with cylinder head, remove all traces of sealant from around cylinder head and top of housing.

**—CAUTION—**

*Do not remove orifice unless it necessitates replacement.*

- c. Remove orifice assembly from within housing by rotating it counterclockwise out of housing with a 0.50 x 0.125 stud type spanner wrench. (Refer to Figure 32-2.)

**B. CLEANING, INSPECTION AND REPAIR OF MAIN GEAR OLEO****—NOTE—**

*Oleo repair is limited to smoothing out minor scratches, nicks and dents, and replacement of parts.*

- WRE* 1. Clean all parts with a suitable dry type cleaning solvent.
- WRE* 2. Inspect landing gear oleo components for the following:
  - a. Bearing surfaces of housing for excess wear, corrosion, scratches, and overall damage.

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**PA-28-181**  
**AIRPLANE MAINTENANCE MANUAL**

- ~~✓~~ b. Retaining ring for cracks, burrs, etc.
- ~~✓~~ c. Cylinder tube for corrosion, scratches, nicks, excessive wear, and misalignment.
- ~~✓~~ d. Air valve for operation and general condition.
- ~~✓~~ e. Orifice plate for hole restriction.

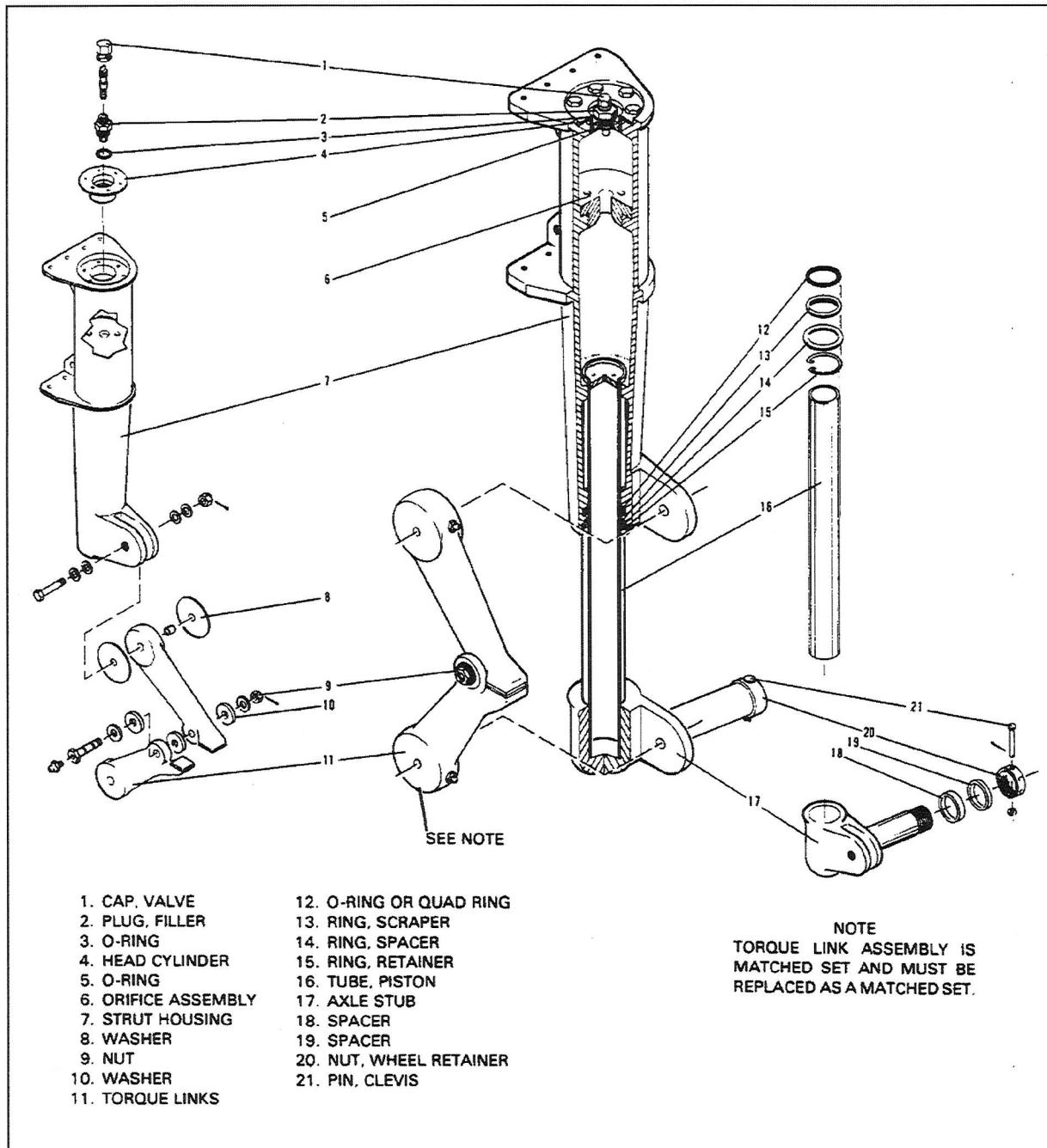


Figure 32-1. Main Gear Oleo Strut Assembly

32-10-00

Page 2

Reissued: July 30, 1994

**2F1**

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**PA-28-181**  
**AIRPLANE MAINTENANCE MANUAL**

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**C. ASSEMBLY OF MAIN GEAR OLEO** (Refer to Figure 32-1.)

1. Install orifice assembly as follows:
  - a. Insert orifice through opening in top of gear housing and turn it into the threaded hole web. Tighten orifice with a stud type spanner wrench.
  - b. Lubricate and install O-ring or apply a thin layer of Permatex Forma-Gasket no. 6 Sealant, directly under flange of cylinder head.
  - c. Secure cylinder head with bolts, and safety with MS20995-C32 wire.
2. Assemble piston tube components on the tube by placing, in order, retainer ring, spacer ring, and scraper ring. Insert O-ring into annular slot in bottom of housing.

**—CAUTION—**

*Do not damage or dislocate O-ring in housing when inserting piston into housing.*

3. Lubricate piston wall and carefully insert piston into housing.

**—CAUTION—**

*Links must be loose enough to allow free action of the gear, but also resist side play. Overtightening will cause binding or damage to links.*

4. Verify bushings are installed in upper and lower torque links. Install links. At cable end of each link, install (with brake line hose bracket) bearing washers, bolt, washer, nut, and cotter pin. At connection point of upper and lower links, attach (with brake line hose brackets) spacer washers, grease bolt, washers, nut, and cotter pins. Install washers (AN960-816L) under head of bolt for firm sliding fit between the two links.
5. To eliminate side play of torque links, use 0.005 shim washers (Piper P/N 63311-03) as required. Maximum side play is 0.005/0.007. (Refer to Figure 32-2.)
6. Slide scraper and spacer rings into place. Secure with retainer ring in the annular slot in bottom of housing.
7. Install hydraulic brake line.
8. If removed, install landing gear. (Refer to installation of main landing gear.)
9. Service oleo strut as per Oleo Struts, Chapter 12.
10. Remove drip pan and slowly lower airplane from jacks.
11. Bleed brakes if necessary. (Refer to bleeding brakes.)

**D. REMOVAL OF MAIN LANDNG GEAR.** (Refer to Figure 32-3.)

1. Place airplane on jacks. (Refer to Chapter 7.)
2. Place drip pan under main gear to catch spillage.
3. If necessary, remove air from oleo chamber by depressing air valve core pin in the inspection hole on top of wing. After pressure in the oleo chamber has diminished, remove valve core pin and attach a small hose to air valve. Drain fluid by slowly compressing piston tube. To extract more fluid from the chamber, remove filler plug, insert siphon hose, and drain fluid from upper area of housing.
4. Remove fairing from around cylinder housing.
5. Remove access plate on bottom of wing, rear of housing, by removing attaching screws.

32-10-00

Page 4

Reissued: July 30, 1994

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PA-28-181  
AIRPLANE MAINTENANCE MANUAL**

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**NOSE GEAR****A. DISASSEMBLY OF NOSE GEAR OLEO (Refer to Figure 32-4.)****—NOTE—**

*Remove and disassemble the nose gear oleo strut assembly from strut housing with gear removed from or installed on airplane.*

- W&E* 1. Remove lower engine cowling. (Refer to Chapter 71.)
- W&E* 2. Place airplane on jacks. (Refer to Chapter 7.)
- W&E* 3. Place drip pan under nose gear to catch spillage.
- W&E* 4. To remove air from strut, depress air valve core pin at top of strut assembly. After pressure in strut chamber has diminished, remove valve core pin, and attach a small hose to air valve. Drain fluid by slowly compressing piston tube. To extract more fluid from strut chamber, remove filler plug, insert siphon hose, and drain fluid from upper area of housing.
- W&E* 5. To remove strut assembly from ~~strut housing~~, cut safety wire at top of housing that secures steering horn attaching bolt to ~~tube~~ retainer nut. Remove steering horn attaching bolts to release steering horn from top of strut housing.

**—NOTE—**

*It may be necessary to tap top of fork with a plastic mallet to get strut assembly out of housing.*

- 6. Loosen strut assembly retainer nut that secures strut assembly in strut housing. (At the same time, slide strut assembly out through bottom of strut housing.) Remove nut and washer from top of strut housing after assembly is removed.
- 7. If necessary, remove top and bottom bearing from ~~strut housing~~. (The bearings are compressed into place, and light tapping may be needed to free them.)
- W&E* 8. Remove piston tube and fork assembly from cylinder as follows:
  - W&E* a. Separate upper and lower torque links by removing connecting nut, washer, and bolt.
  - W&E* b. Compress piston tube and fork assembly slightly and remove retainer ring from annular slot in bottom of cylinder tube.
  - W&E* c. Remove piston tube and fork assembly by sliding out from the bottom of the cylinder tube.
- W&E* 9. Remove bearing assembly from piston tube as follows:
  - W&E* a. Release snap ring from top of piston tube.
  - W&E* b. Slide bearing assembly off the end.
  - W&E* c. If necessary carefully remove wiper strip, back-up washer, and quad ring from inside of bearing sleeve, and the O-ring gasket from outside of bearing sleeve.
- W&E* 10. Remove piston tube plug with O-ring in the lower end of the tube as follows:
  - W&E* a. Remove nose wheel from fork. (Refer to removal and disassembly of nose wheel.)
  - W&E* b. Loosen and remove bolt, washer and nut that extends through piston tube and block assembly.
  - W&E* c. Push plug through top of piston tube. Use a rod inserted through tube bottom.

**PIPER AIRCRAFT  
PA-28-181  
AIRPLANE MAINTENANCE MANUAL**

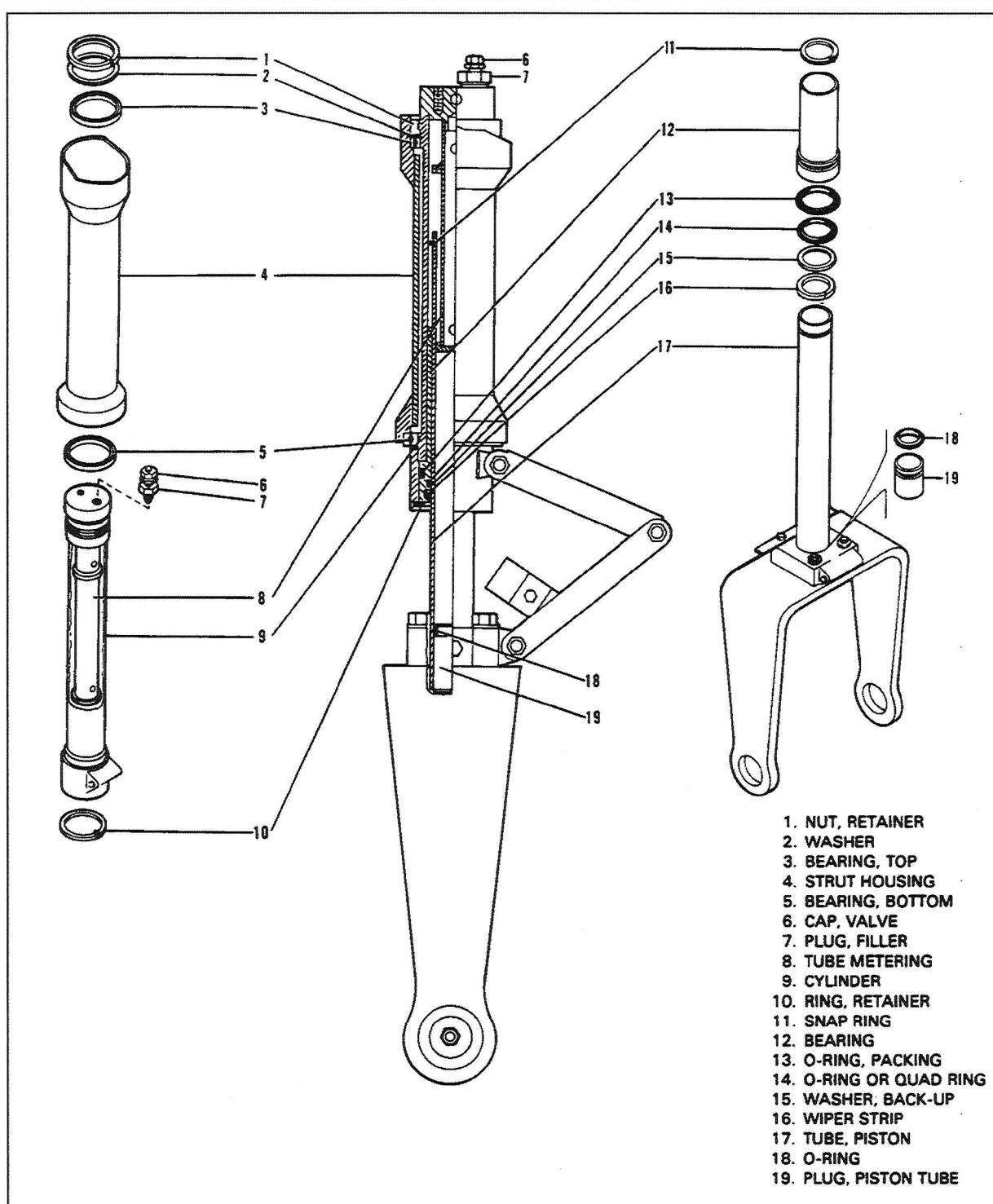


Figure 32-4. Nose Gear Oleo Strut Assembly

32-20-00

Page 2

Reissued: July 30, 1994

**PIPER AIRCRAFT**  
**PA-28-181**  
**AIRPLANE MAINTENANCE MANUAL**

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**B. CLEANING, INSPECTION, AND REPAIR OF NOSE GEAR OLEO**

**—NOTE—**

*Repair of oleo is limited to smoothing out minor scratches, nicks and dents, and parts replacement.*

- NRE* 1. Clean all parts with a suitable dry type cleaning solvent.  
*NRE* 2. Inspect landing gear oleo assembly component for the following:  
    *NRE* a. cylinder tube assembly for corrosion, scratches, nicks, and excessive wear.  
    *NRE* b. lock rings for cracks, burrs, and wear.  
    *NRE* c. fork assembly for corrosion, scratches, nicks, and misalignment.  
    *NRE* d. link assembly for elongated holes, cracks, corrosion, scratches, nicks, and straightness.  
*NRE* e. general condition of air valve.

**C. NOSE GEAR OIL ORIFICE RETAINER RING INSTALLATION (Refer to Figures 32-4 and 32-6.)**

**—NOTE—**

*A special tool can be made to simplify installation of the new retainer ring. (Refer to Figure 32-5.)*

- NRE* 1. With piston tube and fork removed from cylinder, verify all traces of the old retainer ring are removed from metering tube.  
*NRE* 2. Using the tool, position new retainer ring on end of tool with locating stud.  
*NRE* 3. Insert tool into cylinder with centering stud positioned into hole in base of metering tube.  
*NRE* 4. Hold tool tightly against metering tube and slide sleeve of tool towards metering tube. (This will move new retainer ring over end of metering tube and position itself into groove of metering tube.)

**D. ASSEMBLY OF NOSE GEAR OLEO (Refer to Figure 32-4.)**

- NRE* 1. Verify all parts are cleaned and inspected.  
*NRE* 2. Install piston tube plug as follows:  
    *NRE* a. Lubricate tube plug and O-ring with hydraulic fluid (MIL-H-5606) and install O-ring on plug.  
    *NRE* b. Lubricate inside wall of piston tube, and insert plug into top of tube, pushing it to the fork end.  
    *NRE* c. Align bolt holes of fork, tube, and plug; install the bolt, washer, and nut.  
    *NRE* 3. Carefully install, in bearing sleeve, quad ring, back-up washer, and wiper strip. Slide O-ring in place on outside of sleeve.  
    *NRE* 4. Lubricate bearing assembly and carefully install on piston tube.  
    *NRE* 5. Position snap ring on upper end of piston tube.  
    *NRE* 6. Insert piston tube, with bearing assembly, in cylinder tube. Secure with retainer ring in annular slot at bottom of tube.  
    *NRE* 7. Connect torque links on tube and fork, securing with bolt, washer, and nut. Tighten nuts only tight enough to retard side play, allowing links to rotate freely.  
*NRE* 8. Verify that upper and lower bearings are installed in strut housing. (Bearings are a press fit with grooves in the inner and outer races in the up position.)

**PIPER AIRCRAFT**  
**PA-28-181**  
**AIRPLANE MAINTENANCE MANUAL**

- Note* 9. Position washer and strut assembly retainer nut on top of strut housing. Insert strut assembly up through washer until it contacts nut. Tighten nut to fit snug.
- Note* 10. Install steering horn assembly as follows:
- Insert hex bolt through side of horn and top of strut assembly. When it protrudes through the other side of steering horn, install washer and nut.
  - Install steering horn attaching bolt through top of horn into strut assembly. Do not tighten bolt at this time. (If space appears between steering horn plate and top of strut assembly, install spacer washer(s), (AN960416L), between horn and strut.)
  - Tighten bolt, and safety bolt to strut assembly retainer nut with MS20995C40 wire.
- Note* 11. Compress and extend strut several times to verify that strut operates freely. The weight of the gear wheel and fork should allow strut to extend.
- Note* 12. Service oleo strut with fluid and air. (Refer to Chapter 12.)
- Note* 13. Check gear for alignment. (Refer to alignment of nose landing gear.)

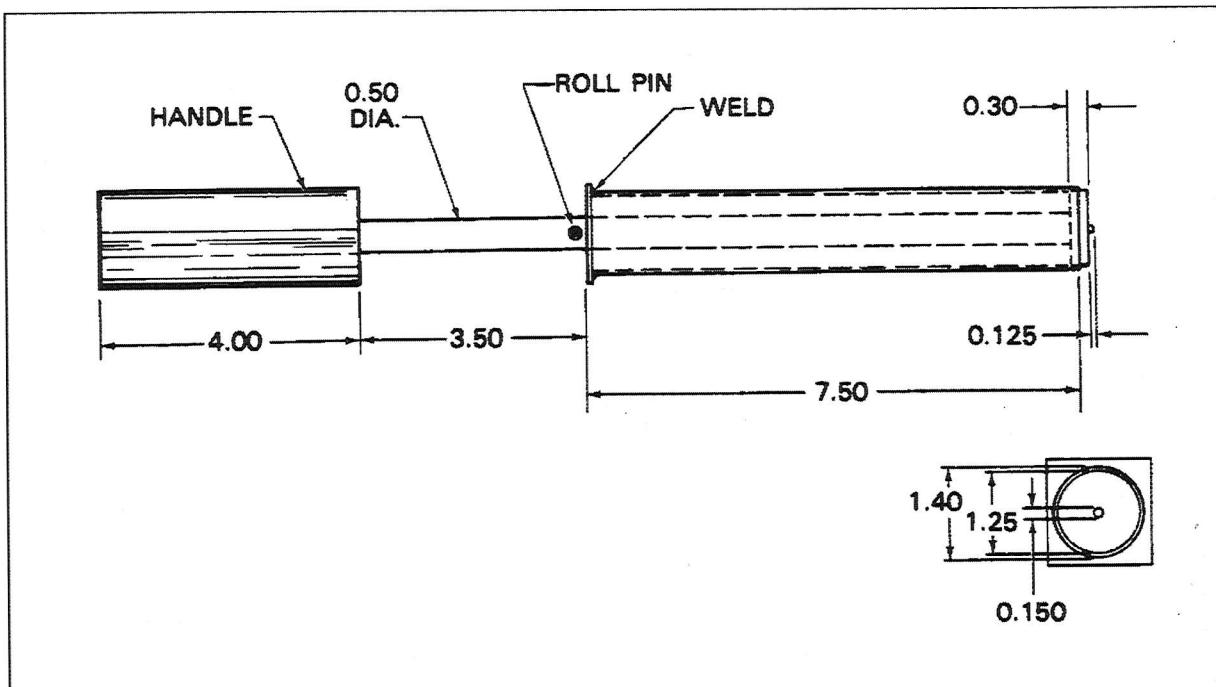


Figure 32-5. Retainer Ring Tool

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Page 4

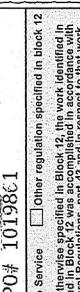
Reissued: July 30, 1994

**2F10**

1. Approving National Aviation Authority/Country: <b>FAA/UNITED STATES</b>	2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: <b>2752351</b>
4. Organization Name and Address:  Cessna Aircraft Company (PC4) Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218	5. Work Order/Contract/Invoice Number: <b>1017595</b>	
6. Item: <b>5</b>   Description: <b>NUTPLATE</b>   Part Number: <b>MS21059-3</b>	7. Eligibility: <b>N/A</b>	10. Quantity: <b>25</b>   Serial/Batch Number: <b>N/A</b>
13. Remarks:  <b>EXPORT UNITED STATES</b>	12. Status/Work: <b>New</b>	
 <b>ATIS OF</b> <b>FR145.56</b> <b>RFC</b>		
PO# <b>028503</b>		
<p>14. Certifies the items identified above were manufactured in conformity to:</p> <p><input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation.</p> <p><input type="checkbox"/> Non-approved design data specified in Block 13.</p> <p><input type="checkbox"/> Other regulation(s) specified in block 13</p> <p>Components that, unless otherwise specified in Block 13, was accomplished in accordance with the applicable national regulations of the country of manufacture or the equivalent regulations of the country of importation. The user/installer certifies that the aircraft will be operated in accordance with the applicable regulations of the country of manufacture or the equivalent regulations of the country of importation.</p>		
<p>15. Authorized Signature:  <i>Kenneth E. Wysocki, Sr.</i></p> <p>16. Approval/Authorization No.:  <i>ODA-100129-CE</i></p>		
<p>17. Name (Type or Printed): <b>KENNETH E. WYSOCKI SR.</b></p> <p>18. Date (m/d/y): <b>MAY/24/2010</b></p> <p>19. Date (m/d/y): <b>23/05/2010</b></p>		
<p>20. Authorized Signature:  <i>Kenneth E. Wysocki, Sr.</i></p> <p>21. Approval/Certification No.:  <i>ODA-100129-CE</i></p>		
<p>User/Installer Responsibilities</p> <p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different from the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>		
<p>FAA Form 8130-3 (6-01)</p> <p>* Installer must cross-check eligibility with applicable technical data.</p> <p>** User/installer responsible for ensuring aircraft is in a safe condition for flight.</p> <p>*** User/installer responsible for ensuring aircraft is in a safe condition for flight.</p>		
<p>NSN: 0082-00-012-9005</p> <p>FAA Form 8130-3 (6-01)</p> <p>NSN: 0082-00-012-9005</p>		

Photocopie effectuée le 13/03/17  
3 pièce(s)  
au titre d'un démontage de 3  
sur un total de 25  
par Q2C  
de la Société ATIS

Photocopie effectuée le 15/03/2017  
 au titre d'un délotissement de 2 pièce(s)  
 sur un total de 102 pièces  
 par K&C de la société ATIS

1. Approving Civil Aviation Authority/Country: <b>FAA/UNITED STATES</b>	2. <b>AUTHORIZED RELEASE CERTIFICATE</b>	3. Form Tracking Number: <b>4242614</b>
4. Organization Name and Address: Cessna Aircraft Company (PC4) Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218	5. Work Order/Contract/Invoice Number: <b>1373746</b>	
6. Item: 5 SCREW, MAC MS27039-0805	7. Description: Part Number: <b>MS27039-0805</b>	8. Part Number: <b>100</b>
9. Quantity: <b>100</b>	10. Serial Number: <b>NA</b>	11. Status/Work: <b>New</b>
12. Remarks:		
<b>EXPORT MARTINIQUE</b>  <b>PO# 10198E1</b>  <b>4242614</b> <b>ITEM: 5 PN: MS27039-0805</b> <b>ORDER: 4242614 SN/LOT: N/A</b> <b>QTY: 100 U/M: EA</b> <b>DESC: SCREW, MACH</b>		
13a. Certified the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		
14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulations specified in block 12 Certificate that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, all items are approved for return to service. 14b. Authorized Signature: 		
13b. Authorized Signature:  13c. Approval/Authorization No.: <b>ODA-100129-CF</b> 13d. Name (Typed or Printed): <b>MARILYN K. FARBER</b> 13e. Date (dd/mm/yyyy): <b>04/JUN/2014</b> 14d. Name (Typed or Printed): <b>User/Installer Responsibilities</b> 14e. Date (dd/mm/yyyy): <b>1/1/2014</b>		
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/aircraft. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/aircraft(s) from the airworthiness authority of the country specified in Block 1. Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.		

NSN: 0052-00-02-9005

\* Installer must cross-check original with applicable Technical data.

FAA Form 8130-5 (02/14)

1. Approving National Aviation  
FAA/United States 2.

FAA Form 8130-3, AIRWORTHINESS CERTIFICATE							3. Form Tracking Number:
4. Organization Name and Address: <u>Hawker Beechcraft</u> Hawker Beechcraft Corporation 801 Industrial Blvd, Suite 100 Grapevine, TX 76051							Number 0070146994-00001 0000060377-000030
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	NUT, SELF-LOCKING, R	MS21042L08	N/A		100.000	N/A	NEW
13. Remarks:  AIRWORTHINESS APPROVAL - PARTS.  							
Photocopie effectuée le <u>13/03/2012</u> au titre d'un dépôtissement de <u>2</u> pièce(s) sur un total de <u>2</u> pièces par <u>NAC</u> de la société ATIS							
14. Certifies the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.							
15. Authorized Signature:  Frazier MacDermott							
16. Approval/Authorization No.: ODA-230339-CE							
17. Name (Typed or Printed): Frazier MacDermott							
18. Date (m/d/y): DEC/07/2011							
19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certificates that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.							
20. Authorized Signature:  Frazier MacDermott							
21. Approval/Certificate No.:							
22. Name (typed or Printed): Frazier MacDermott							
23. Date (m/d/y): 							
User/Installer Responsibilities  It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. *Installer must cross-check eligibility with applicable technical data.							



## CERTIFICATE OF CONFORMITY

NO: 585066

BILL TO:		SHIP TO:	
ATIS ACCTS PAYABLE ZONE AVIATION GENERALE-AEROPORT LE LAMENTIN, MARTINOQUE 97232		ATIS ATTN: RECEIVING ZONE AVIATION GENERALE-AEROPORT LE LAMENTIN, MARTINOQUE 97232	
CUSTOMER PO #		SHIP DATE	AIRWAY BILL/TRACKING #
CF598			665765272406

PART NO:	Description	CND	QTY	SIL	MFR: INLAND MACHINE
AN919-3D	REDUCER	NE	8	30	LOT: 8142
AN960-8	Customer Reference: WASHER	NE	200	45	LOT: Y4858
NAS1149F0363P	Customer Reference: WASHER	NE	200	1	LOT: SA4833
AN960-516	Customer Reference: WASHER	NE	200	57	LOT: SA6173
MS24694S5	Customer Reference: STRUCTURAL SCREW	NE	100	17	LOT: 82003
44PN	Customer Reference: CLEAR TUBING	NE	150	30	LOT: 11203312
REV: N/A	Customer Reference: NYLON NUT/SLEEVE	NE	10	46	LOT: 10864379
26IN04	Customer Reference: NYLON UNION/NUT	NE	5	30	LOT: 10864379
26IN04	Customer Reference: NYLON UNION/ELBOW	NE	4	21	LOT: 10864379
CR3213-4-02	Customer Reference: CHERRY RIVET	NE	200	342	LOT: 80652451
CR3213-4-03	Customer Reference: CHERRY RIVET	NE	200	209	LOT: 80688214

CONDITIONS: NE - NEW      OH-OVERHAULED      RP-REPAIRED      SV-SERVICEABLE

We hereby certify that the items that are a part of this Purchase Order have been visually &amp; dimensionally found to conform to all applicable standards, drawings &amp; specifications. The liability of ECAS, LLC is limited to replacement of any item which is rejected because of a defect in material or workmanship if notified within 30 days &amp; liability shall not exceed the invoice value. Such replacement shall constitute satisfaction of all liability.

SIGNED:   
For and on behalf of ECAS, LLC dba MONROE AEROSPACEECAS, LLC dba MONROE AEROSPACE  
399 EAST DRIVE MELBOURNE, FL 32904 PH: 800.330.3975

## ANILLO Industries, Inc.

209 NORTH GLASSELL STREET, ORANGE, CA 92865-3391 USA

P.O. BOX 5808 ORANGE, CA 92863-5808 USA

(714)937-7000 662924-6632 FAX(714) 637-3022 CAGE CODE: 10630

(074937-7000 662924-6632 FAX(714) 637-3022 CAGE CODE: 10630

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MELBOURNE, FL 32904

AS100  
HANDCAP CP  
ISO 9001  
CERTIFIED

VISA/MASTERDISCOVER/AMEX

WE ACCEPT

581846

SHIP TO

EAST COAST AVIATION SUPPLIES

ATTN: ACCOUNTS PAYABLE DEPT.

399 EAST DRIVE

MELBOURNE, FL 32904

3174

SHIP TO

EAST COAST AVIATION SUPPLIES

399 EAST DRIVE

MELBOURNE, FL 32904

AS100  
HANDCAP CP  
ISO 9001  
CERTIFIED

VISA/MASTERDISCOVER/AMEX

WE ACCEPT

A

3174

SHIP TO

EAST COAST AVIATION SUPPLIES

399 EAST DRIVE

MELBOURNE, FL 32904

DATE ORDER RECD

ORDER NUMBER

ITEM

ORDERED

SHIPPED

1

500,000

3000

ANS60-8

ACCEPTED

REV 21 /LOTF#468 (ACCT#46,15,30, NAS#145FRN82P)

ECCN: 9A991 Schedule B#: 7318.22.00.000 COO: USNLR

Photocopy effectuée le 15/10/13 / 2206  
 au titre d'un délotissement de 200 pièce(s)  
 sur un total de 2000 pièces  
 par

We certify that: 1. Item number  
 2. We carry this material on this order conforms in all respects to the current applicable government and manufacturer's specifications. Test reports are on file and available for inspection. All claims or errors or shortages must be made within 10 days after receipt of goods.  
 No credit will be given for any claim or error unless it is supported by written documentation. Any claims for defective material must be made within 30 days of shipment or delivery of the goods, etc., claimed within the time above.  
 <> RMA# REQUIRED FOR RETURNS >>  
 <> TO THE BEST OF OUR KNOWLEDGE, PARTS ARE MERCURY FREE >>

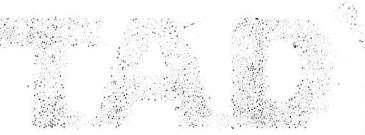
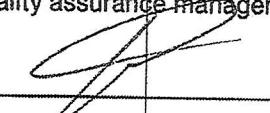
**Certification** STAMP DATE 01-08-15  
 D.F.A.R 252.225-7014 ALT. 1

BY Ben Omnidwar

Ben Omnidwar, Quality Assurance Manager

FI 4.03.05

(S)

 <p style="margin: 0;">13551 SW 132 Ave. Miami, FL 33186 USA Ph: 305-255-6973, Fax: 305-255-5272 Tropical Aviation Distributors support@africair.com</p>		<p style="text-align: right;"><b>Packing Slip</b></p> <p style="margin: 0;">Invoice #: 8028065 Invoice Date: 4/18/2014 Time: 11:53:33 AM Page: 10</p>						
<b>To:</b> ATIS ZONE AVIATION GENERALE 97232 AEROPORT du LAMENTIN Martinique, FWI MARTINIQUE ATTN: Bernard Rouffignac Ph: 0596.51.66.88 Fax: 011596513303		<b>Ship To:</b> ATIS ZONE AVIATION GENERALE 97232 AEROPORT du LAMENTIN Martinique, FWI MI						
Cust. PO#: CF417 Order Date: 4/7/2014 Prepared By: Robert Treto Customer #: 020301084 Buyer: Bernard Rouffignac WO #:		Terms: CC # of Items: 38 Sales Order: 15072 VAT #: INCO TERM: Ship Via: AMERIJET # of Boxes: Ship Log #: 1 Cust VAT #: AWB: 810-3764 8763 Ship Via Acc: Weight: Ship Order: Ship Date: 4/18/2014 Shipment:						
FEDX INT ECON: 213579800 DHL: 962763241 FED INTL PR: 213579800								
Thank you for your purchase.								
Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Unit Price	UOM	Total Amt
	CERTIFICATE OF CONFORMANCE			<b>CERTIFICATE OF CONFORMANCE</b> The parts listed on this document were purchased from a manufacturer or authorized distributor and to the best of our knowledge comply with all applicable specification and standards. This is substantiated by documents in central office or at the original source of supply. Where applicable, these parts will be accompanied by the original FAA 8130 from the supplier. On repaired or non overhauled products the FAA 8130-3 form and work from the FAA approved shop will be attached to this certificate.		Quality assurance manager 		
These commodities, technology or software were exported from the United States in accordance with the export administration regulations. Diversion contrary to USA laws prohibited.								
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## Tropical Aviation Distributors

13551 SW 132 Ave.  
Miami, FL 33186  
USA  
Ph: 305-255-6973, Fax: 305-255-5272  
[support@africair.com](mailto:support@africair.com)

## Packing Slip

Invoice #: 8028065

Invoice Date: 4/18/2014

Time: 11:53:09 AM

Page: 9

To:  
ATIS  
ZONE AVIATION GENERALE  
97232 AEROPORT du LAMENTIN  
Martinique, FWI  
MARTINIQUE  
ATTN: Bernard Rouffignac  
Ph: 0596.51.66.88 Fax: 011596513303

**Ship To:**  
ATIS  
**ZONE AVIATION GENERALE**  
**97232 AEROPORT du LAMENTIN**  
Martinique, FWI  
MI  
MI

Cust. PO#:CF417  
Order Date:4/7/2014  
Prepared By:Robert Treto  
Customer #:020301084  
Buyer:Bernard Rouffignac  
WO #:

Terms: CC	Ship Via: AMERIJET
# of Items: 38	# of Boxes:
Sales Order: 15072	Ship Log #: 1
VAT #:	Cust VAT #:
INCO TERM:	AWB: 810-3764 8763

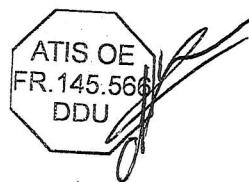
**Ship Via Acc:**  
**Weight:**  
**Ship Order:**  
**Ship Date:** 4/18/2014  
**Shipment:**

FEDX INT ECON: 213579800 DHL: 962763241 FED INTL PR: 213579800

Thank you for your purchase.

# East Coast Aviation Supplies, Inc.

## CERTIFICATE OF CONFORMITY



No: 518828

(6)

Bill To:

Ship To:

ORIGINAL

ATIS ACCTS. PAYABLE ZONE AVIATION GENERALE-AEROPORT LE LAMENTIN, FRENCH 97232	ATIS ATTN: RECEIVING ZONE AVIATION GENERALE-AEROPORT LE LAMENTIN, FRENCH 97232
--	---

Customer PO	Ship Date	Airway Bill Number
472	3/24/2015	6244 7804 7857

Part No.	Description	Cond	Qty	S/L	
MS17826-5	CASTLE NUT	NE	10	28	
MFR: GREER	ECCN#: 9A991				
LOT: 50321516	SCHB#: 7318.16.0030				
MS21042L3	SELF LOCKING NUT	NE	100	92	P/N IPC: MS24694S50
MFR: AFC	ECCN#: 9A991				
LOT: 22944	SCHB#: 7318.16.0030				
MS21042L4	SELF LOCKING NUT	NE	50	45	P/N fournisseur:
MFR: AFC	ECCN#: 9A991				
LOT: 15644	SCHB#: 7318.16.0030				
MS21042L5	SELF LOCKING NUT	NE	50	45	N° Doc. lib.: COC 518828
MFR: ESNA	ECCN#: 9A991				
LOT: 43965-000	SCHB#: 7318.16.0030				
MS21042L6	SELF LOCKING NUT	NE	25	39	S/N: lot 16710
MFR: ESNA	ECCN#: 9A991				Désignation: Screw
LOT: 43664-000	SCHB#: 7318.16.0030				
MS24694S50	STRUCTURAL SCREW	NE	100	35	Rayon: D5
MFR: AFC	ECCN#: 9A991				Aéronef:
LOT: 16710	SCHB#: 7318.15.4000				Péremption: _____
MS27039-1-11	STRUCTURAL SCREW	NE	100	29	<b>BON ETAT</b>
MFR: LFC	ECCN#: 9A991				BR 666 du 30/03/2015
LOT: 51293	SCHB#: 7318.15.4000				ATIS OE FR.145.566 Ed2 R0 Nov'06

CONDITIONS: NE - New NS - New Surplus OH-Overhauled RP-Repaired SV-Serviceable

We hereby certify that the items that are a part of this Purchase Order have been visually & dimensionally found to conform to all applicable standards, drawings & specifications. The liability of ECAS is limited to replacement of any item which is rejected because of a defect in material or workmanship if notified within 30 days & liability shall not exceed the invoice value. Such replacement shall constitute satisfaction of all liability.

Signed:

For and on behalf of EAST COAST AVIATION SUPPLIES, INC.

Insp.

#2

Inspectors Stamp

Photocopie effectuée le 23/03/2017  
 au titre d'un délotissement de 4 pièce(s)  
 sur un total de 100 pièces  
 par NRE de la société ATIS

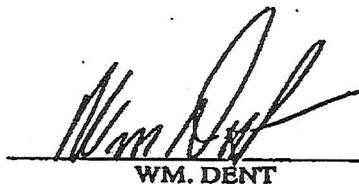


2655 HARRISON AVE. SW  
CANTON, OH 44706  
PHONE: (330)430-6190  
FAX: (330)430-6199

## CERTIFICATE OF CONFORMANCE

### EAST COAST AVIATION SUPPLIES

I hereby certify that on 2/2/2009 AIRFASCO Industries provided the supplies called for by Contract/PO Number 46680 in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.



WM. DENT

Quality Assurance Representative

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
MS24694-S13	13195	10,000	MS24694-S14	13631	15,000
MS24694-S16	11924	10,000	MS24694-S2	16272	20,000
MS24694-S4	13373	200,000	MS24694-S46	14588	15,000
MS24694-S47	15806	15,000	MS24694-S48	13740	8750
MS24694-S48	16559	34,200	MS24694-S49	14276	150,000
MS24694-S5	15800	830	MS24694-S50	16710	72,300
MS24694-S50	13630	177,700	MS24694-S51	13444	9200
MS24694-S51	13439	10,400	MS24694-S52	16808	150,000

1. Approving Civil Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 7364418646 1000000027655059			
4. Organization Name and Address: AVIALL SERVICES INC. 2750 REGENT BLVD DFW AIRPORT, TX 75261				5. Work Order/Contract/Invoice Number: CF603			
6. Item: 1. SEAL	7. Description: 8. Part Number: 485-315	9. Quantity: 2	N/A	10. Serial Number:			
				11. Status/Work: NEW			
<p style="text-align: center;">11. Xocopie effectuée le <u>13 / 03 / 2017</u>            à titre d'un délotissement de <u>1</u> pièce(s)            sur un total de <u>2</u> pièces</p> <p style="text-align: center;">Par <u>J. Ferris</u> de la société ATIS</p>							
12. Remarks: <table border="1"><tr><td>MQ</td></tr><tr><td>DON</td></tr><tr><td>0840</td></tr></table>					MQ	DON	0840
MQ							
DON							
0840							
SHELF LIFE EXPIRATION DATE: 1Q2030							
THE PRODUCT(S)/ARTICLE(S) SHIPPED UNDER THIS APPROVAL WERE PRODUCED BY PIPER AIRCRAFT, INC..							
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
13b. Authorized Signature: 		13c. Approval/Authorization No.: 726425056	14b. Authorized Signature:	14c. Approval/Certificate No.:			
13d. Name (Typed or Printed): JAMES FERRIS		13e. Date (dd/mmm/yyyy): 11 JAN 2017	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):			
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in the Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							



P/N IPC: 484-770



P/N Fournisseur: 485-315



N° Doc. lib.: 7364418646

SN:

Désignation: Packing - Quad ring (4222)

Rayon: PI32

Aéronef: PA28-181 fig 21-15

Péremption: \_\_\_\_\_  
31/03/2030



1. Approving Civil Aviation Authority/Country: <b>FAA/UNITED STATES</b>	2. <b>AUTHORIZED RELEASE CERTIFICATE</b>	3. Form Tracking Number: <b>S10901450</b>
4. Organization Name and Address: Piper Aircraft, Inc. 2926 Piper Drive Vero Beach, FL 32960 USA		
5. Work Order / Contract / Invoice Number: <b>S10901450 / 210008000 / SH0085492</b> Page <b>1</b> of <b>1</b>		
6. Item:	7. Description:	8. Part Number:
10	SEAL POLYPAK TYPE B	PC 206
9. Quantity:	10. Serial Number:	11. Status/Work:
60	N/A	NEW
12. Remarks: Airworthiness Approval Expires on 102030		
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		
14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service/ <input type="checkbox"/> other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43, and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature: <i>James S. Wilson</i>	13c. Approval/Authorization No: <b>PC206</b>	14b. Authorized Signature: /
13d. Name (Typed or Printed): <b>Wilson, James</b>	13e. Date (dd/mm/yyyy): <b>11/Nov/2016</b>	14d. Name (Typed or Printed): /
14e. Date (dd/mm/yyyy): /		
14f. User/Installer Responsibilities		
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engines(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>		

1. Approving National Aviation Authority (Country):		2. AUTHORIZED RELEASE CERTIFICATE		3. Form Number:	
FAA UNITED STATES		FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		1243808	
4. Organization Name and Address:		Cessna Aircraft Company (PCA) Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218		5. Work Order/Contract/Invoice Number:	
6. Item:		7. Description: 14 NUT		8. Part Number: AN310-5	
13. Remarks:		EXPORT UNITED STATES		9. Quantity: N/A	
				10. Quantity: 25	
				11. Serial/Batch Number: N/A	
				12. Status/Work: New	
PO# 1009495					
<p>14. Certified the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation.  <input type="checkbox"/> Non-approved design data specified in Block 13.</p> <p>15. Authorized Signature: </p> <p>16. Approval/Authorization No.: ODA-100129-CF</p> <p>17. Name (Typed or Printed): KEITH THOMPSON</p> <p>18. Date (month): DEC/13/2012</p> <p>19. Other regulation specified in block 13  <input type="checkbox"/> Other regulation specified in block 13      Certifies that unless otherwise specified in Block 13, the work identified in      Items 14, 15, 16, 17, 18, and 19 was accomplished in accordance with      Title 14 CFR, Federal Aviation Regulation, part 45 and in respect to that work,      the items are approved for return to service.</p> <p>20. Authorized Signature: </p> <p>21. Approval/Certificate No.:</p>					
<p>14</p> <p>QTY: 25 U/M: EA</p> <p>DESC: NUT</p>					

Photocopie effectuée le 21/03/2012  
au titre d'un délotissement de 2 pièce(s)  
sur un total de 25 pièces  
par ATIS de la société ATIS

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: <b>4463628</b>
Organization Name and Address:  Cessna Aircraft Company (PC4) Cessna Parts Distribution Dept. 702 5800 E Pawnee Wichita, KS 67218		5. Work Order/Contract/Invoice Number:  <b>1425910</b>		6. Status/Work:  <b>New</b>
Item:	Description:	8. Part Number:	9. Quantity:	10. Serial Number:
3	PIN COTTER MS24665-153	100	N/A	
12. Remarks:  EXPORT MARTINIQUE		PO# 1022888		
13a. Certifies that items identified above were manufactured in conformity to:  Approved design data and are in a condition for safe operation.  Not approved design data specified in Block 12.		14b. <input type="checkbox"/> 14 CFR 43.39 Return to Service <input type="checkbox"/> Other regulation specified in block 12  Certificates that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with the 41 Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.  14c. Authorized Signature:  <i>Marilyn K. Farber</i>		
13b. Authorized Signature:  Par _____ de la société ATIS		14d. Approval/Pertificate No.:  <b>FR.145.566 DDU</b>		
ITEM: 3 ORDER: 4463628 SN/LOT: N/A		QTY: 100 U/M: EA DESC: PIN COTTER		
		13d. Name (Type or Printed):  <b>MARILYN K. FARBER</b>		
		13e. Date (dd/mm/yyyy):  <b>12/JAN/2015</b>		
		13f. User/Installer Responsibilities  It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/part/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine/part/article(s) from the statements in Blocks 3a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.		
		14e. Date (dd/mm/yyyy):  <b>146. Date (dd/mm/yyyy):</b>		

Photocopie effectuée le 26/03/2017  
 au titre d'un délivrement de 2 pièce(s)  
 sur un total de 200 pièces  
 par ATIS de la société ATIS

NSN: 0032/00/0128005

FAA Form 8130-3 (02/14)

Photocopie effectuée le 21/03/2012  
 au titre d'un délotissement de 2 pièce(s)  
 sur un total de 102 pièces  
 par A102 de la société ATIS

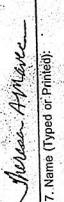
1. Approving National Aviation Authority/Country: FAA UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAX FORM 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: <b>4006171</b>
4. Organization Name and Address: Cessna Aircraft Company (PC4) Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67128	5. Work Order/Contract/Invoice Number: 1318219	
6. Item: 7. Description: 1 P/N COTTER MS24665-362	8. Part Number: N/A	9. Eligibility: N/A
10. Quantity: 100	11. Serial/Batch Number: N/A	12. Status/Work: New
13. Remarks:		
 <b>ATIS OF</b> <b>FR. 145566</b> <b>RFC</b> <b>P0# 10155</b>		
14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.		
15. Authorized Signature: 		
16. Approval/Authorization No.: <b>QA-100129-CF</b>		
17. Name (Typed or Printed): <b>JOHNNY GLOVER</b>		
18. Date (mm/dd): <b>OCT/16/2013</b>		
19. Other regulation specified in block 13: <input type="checkbox"/> 14 CFR 43.9. Return to Service Certifies that unless otherwise specified in Block 13, the work identified in Block 16 was accomplished in accordance with the requirements of the applicable regulations and that the aircraft is fit for return to service.		
20. Authorized Signature: 		
21. Approval/Certificate No.: <b>QA-100129-CF</b>		
22. Name (Type or Printed): <b>JOHNNY GLOVER</b>		
23. Date (mm/dd): <b>OCT/16/2013</b>		

**User/Installer Responsibilities**  
 It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly specified in Block 1. It is essential that the user/installer ensures that his/her airworthiness authority different than the airworthiness authority of the country of the aircraft. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

\* Installer must cross-check eligibility with applicable technical data.

FAA Form 8130-3 (6-91) NSN 0052-00-0129005

Photocopie effectuée le 26/03/2017  
 au titre d'un détachement de 1 pièce(s)  
 sur un total de 1 pièce(s)  
 par M. OVEC de la société ATIS

Approving National Aviation Authority/Country: FAA/UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: <b>2305884</b>
4. Organization Name and Address: Cessna Aircraft Company Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218	5. Work Order/Contract/Invoice Number: <b>900955</b>	
6. Item: 7. Description: 36 WASHER, FL	8. Part Number: NAS1149F0532P	9. Eligibility: N/A
10. Quantity: 100	11. Serial/Batch Number: N/A	12. Status/Work: New
13. Remarks:   <b>ATIS OF FR.145566 P# 020007</b>		
EXPORT UNITED STATES		
<p>14. Certifies the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data;  <input type="checkbox"/> Non-approved design data specified in Block 13.</p> <p>15. Authorized Signature: </p> <p>16. Approval/Authorization No.: <b>100129CE</b></p> <p>17. Name (Type or Printed): <b>THERESA A. MAVEC, ODARF</b></p> <p>18. Date (m/d/y): <b>FEB/10/2009</b></p> <p>19. <input type="checkbox"/> 14 CFR 43.9 Return to Service; <input type="checkbox"/> Other regulation specified in block 13      Continues that unless otherwise specified in Block 15, the work identified in      Block 12 was accomplished in accordance with the applicable regulations.      The 14 CFR Federal Aviation Regulations or other      the terms and conditions of the certificate of repair or inspection      or service.</p> <p>20. Authorization Signature:</p> <p>21. Approval/Certificate No.: <b>NSN: 0052-00-0129005</b></p> <p>22. Name (Type or Printed): <b>QTY: 100</b></p> <p>23. Date (m/d/y): <b>U/M: EA</b></p> <p>DESC: WASHER, FLA</p>		
<p>Use/Installer Responsibilities</p> <p>It is important to understand that the existence of this document does not automatically constitute authority to install the part/component/assembly. When the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p> <p>FAA Form 8130-3 (6-01)</p> <p>Installer must cross-check eligibility with applicable technical data.</p>		