	S.A.G.A EURL C/O Gaston ULRIC 15 Lotissement Les Vallons Route de Balata 97234 FORT DE FRANCE SIRET 482 569 613 00011	BON DE LANCEMENT ET EXÉCUTION N° 18-2018 IMMATRICULATION : F-GATD DATE : 26/12/2018
---	---	--

ORGANISME D'ENTRETIEN

Nom : ATIS N° d'agrément : FR.145.566

Dirigeant responsable : GUINOT Françoise

SITUATION DE L'APPAREIL AU COURS DES TRAVAUX

	MARQUE	TYPE	N° DE SÉRIE	HT	H depuis Rév.	Pot. Restant
Cellule	PIPER	PA 28-181	28 78 90138	9781.6		
Moteur	LYCOMING	O360 A4M	L-30677-36AC	4387.3	1063.1	
Hélice	SENENICH	76EM8S5-0-62	100294K	2888.1	905.4	

Heures depuis dernière visite : 50.3

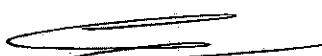
Heures jusqu'à prochaine visite : 49.7

Nature des travaux	VISA	
	Lancement	Exécution
1-VP 100h 2 - Appliquer CN 2017-14-04 3 - Traitement des points de corrosion de l'intrados de la gouverne de profondeur et du compensateur de profondeur 4 - Traitement des points de craquelure de la peinture du capot supérieur moteur 5 - Inspection des STUB AXLE du train avant et des trains principaux, vérification de leur fonctionnement et de l'absence de fuites d'huile.		
TRAVAUX SUPPLÉMENTAIRES		VISA

Programme d'entretien

PE EASA + PIPER

Demandeur : ULRIC Gaston



Dossier de Travaux N°**18-102****Propriétaire / Exploitant :****S.A.G.A Eurl****Aéronef / Equipement :**

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

Documents fournis par le client :

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

Date :**13 décembre 2018**

O.E. PART 145 n° FR.145.566

Avion : PA28-181

Immat. : F-GATD

DT n° 18-102

Outages / Instruments

Outages / Instruments

Désignation	Marque	P/N	S/N	Date de fin de validité
torque wrench		2502mrrmh-1/2	31206417	octobre-19
torque wrench		m2r100f	1529	octobre-19
differentiel pressure	e2m	26880		sept-19
tensiometer	bt-33-75d	82073		septembre-19
multimeter	ex330	140814112		sept-19
poignee de gonflage	Hfair	140476778		sept-19
caliper	150mm	t-30231		sept-19

Matières

P/N	Description	Quantité
DIVERS	HUILE GRAISSE HYDRAULIQUE	AS REQUIRED

Données d'Entretien

Données de la fiche		Conformité	
Réf.	Description	Revision	Date
60297/12	0360 operator's manual	Ed2 rev7	déc-09
761-679	PA28 MM	CR94731	juil-14
SPRM590	Sensenich field repair specs	N/A	N/A
Divers	collection SB,ST,SL cellule/moteur/hélice		OK

Disponibilité installations et personnel

Disponibilité hangar	N° Emplacement / Ligne	Dispo hangar	Durée prévue
OUI	1	10j	3j
Disponibilité technicien	Nombre	Dispo personnel	Durée prévue
OUI	2	16 HH	10 HH

Disponibilité équipements (1 compresseur; 4 escabots; 1 plateforme (profondeur); 2 visseuses; 3 caisses mécanicien; 1 cylindre wrench set; 4 établis; 3 étagères roulantes)

Bannel: los técnicos son responsables d'executar les tâches crítiques durant los períodes où ils sont les plus alertes.

ATLAS Preliminary

Zone Aviation Générale - Aéroport Martinique A. Césaire - 97232 LE LAMENTIN
Tél : 0596 52 49 05 - Fax : 0596 38 14 75 - Email : meca@atlistwi.com

DT N° 18-102**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 tâches effectuées	0

DT N° 18-102**Equipements à potentiel****Bon de Lancement de Travaux**

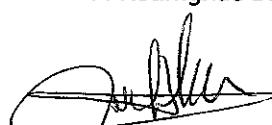
Traitement corrosion gouverne de profondeur et compensateur
Traitement des craquelures capot moteur supérieur
inspection stub axle train avant et principaux, vérifier fonctionnement et fuites

Travaux supplémentaires

Nil

Le Responsable Entretien
M Rouffignac Bernard

Ed. 1 Rev. 4 avril 2015



ATIS DT 2
Page 2

DT N° 18-102

Bon de Lancement de Travaux

Programme d'Entretien

Edition : 0	Révision : 0	Date : janvier-00
Réf. approbation : 0		

Aéronef / Equipement

Type / P/N : PA28-181	S/N : 28-7890138	Immat. : F-GATD
Heures totales :	9781,6	h:mn
Heures depuis <input type="checkbox"/> GV / <input type="checkbox"/> RG :	N/C	h:mn
GMP 1 : <input type="checkbox"/> Heures totales / <input type="checkbox"/> Heures depuis RG	4387,3	1063,1 h:mn
GMP 2 : <input type="checkbox"/> Heures totales / <input type="checkbox"/> Heures depuis RG	N/A	N/A h:mn
Hélice 1 : <input type="checkbox"/> Heures totales / <input type="checkbox"/> Heures depuis RG	2888,1	905,4 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

VP100H

Application CN/AD/SB

N-2017-14-04


COMPONENT HISTORY

W/O: 9390

ALL DOCUMENTS

Ref.	Date / Case#	Origin / Destination		Component / Batch		Aircraft FH	FC
M.OUT Y/ref ①	2839 # 2 28/12/18	4853	ATIS	P/N AA48110-2 S/N AEROACCESSORIES-1-T OIL FILTER	Qty. 1 Bar.code 2283 Condition NEW		
M.OUT Y/ref ②	2840 # 1 28/12/18	4854	ATIS	P/N 2502MRMH-1/2 S/N 0312606417 Torque Wrench	Qty. 1 Bar.code 10 Condition INS/REP		
M.OUT Y/ref ③	2840 # 2 28/12/18	4855	ATIS	P/N M2R100F S/N 1529 Click Torque Wrench	Qty. 1 Bar.code 14 Condition INS/REP		
M.OUT Y/ref ④	2840 # 3 28/12/18	4856	ATIS	P/N E2M S/N T-26880 Différentiel pression cylindre	Qty. 1 Bar.code 1899 Condition NEW		
M.OUT Y/ref ⑤	2842 # 1 31/12/18	4860	ATIS	P/N MS51958-63 S/N CRES95955 SCREW	Qty. 1 Bar.code 2284 Condition NEW		
M.OUT Y/ref ⑥	2843 # 1 31/12/18	4861	ATIS	P/N AAD9-18-1 S/N ATIS-BR875 FILTER	Qty. 1 Bar.code 2285 Condition NEW		
M.OUT Y/ref ⑦	2843 # 2 31/12/18	4862	ATIS	P/N ARB3-5-1 S/N 10021702 FILTER VACUM	Qty. 1 Bar.code 2286 Condition NEW		
M.OUT Y/ref ⑧	2843 # 3 31/12/18	4863	ATIS	P/N BT-33-75D S/N 82073 Tensiometer	Qty. 1 Bar.code 249 Condition INS/REP		
M.OUT Y/ref ⑨	2843 # 4 31/12/18	4864	ATIS	P/N EX330 S/N 140814112 Multimeter	Qty. 1 Bar.code 6 Condition INS/REP		
M.OUT Y/ref ⑩	2845 # 1 31/12/18	4867	ATIS	P/N A1785-6Z-1D S/N 906290004018452 NUT	Qty. 2 Bar.code 2287 Condition NEW		
M.OUT Y/ref ⑪	2845 # 2 31/12/18	4868	ATIS	P/N 105-00200 S/N ATIS-896 RIVET	Qty. 8 Bar.code 2288 Condition NEW		
M.OUT Y/ref ⑫	2845 # 3 31/12/18	4869	ATIS	P/N 066-10500 S/N ATIS-896 LINING	Qty. 4 Bar.code 591 Condition NEW		



COMPONENT HISTORY

ALL DOCUMENTS

WO: 9390

Ref.

Date / Case#

Origin / Destination

Component / Batch

Aircraft FH FC

Ref.	Date / Case#	Origin / Destination	Component / Batch	Aircraft FH	FC
M.OUT 2845 # 4 Y/ref	31/12/18	4870 ATIS ATIS	P/N MS24665-362 S/N 1044028 PIN COTTER	Qty. 2 Bar.code 2289 Condition NEW	
M.OUT 2846 # 1 Y/ref	02/01/19	4871 ATIS ATIS	P/N 150MM S/N T-30231 CALIPER	Qty. 1 Bar.code 311 Condition IN/S/REP	
M.OUT 2846 # 2 Y/ref	02/01/19	4872 ATIS ATIS	P/N IIIAIR S/N 140476778 Poignée de Gonflage Wilka	Qty. 1 Bar.code 250 Condition NEW	
M.OUT 2848 # 1 Y/ref	02/01/19	4875 ATIS ATIS	P/N 187-625 S/N ATISBR802 STRIP WIPER	Qty. 1 Bar.code 2290 Condition NEW	
M.OUT 2848 # 2 Y/ref	02/01/19	4876 ATIS ATIS	P/N AN6246-27 S/N 718377352 OR'RING	Qty. 1 Bar.code 1148 Condition NEW	
M.OUT 2848 # 3 Y/ref	02/01/19	4877 ATIS ATIS	P/N MS28775-222 S/N ATISBR757 PACKING	Qty. 1 Bar.code 1223 Condition NEW	
M.OUT 2849 # 1 Y/ref	02/01/19	4878 ATIS ATIS	P/N NAS1149F0363P S/N AVIALL-7364917263 WASHER	Qty. 4 Bar code 2291 Condition NEW	
M.OUT 2849 # 2 Y/ref	02/01/19	4879 ATIS ATIS	P/N AN3-3A S/N PO18730-1 BOLT	Qty. 4 Bar code 2292 Condition NEW	
M.OUT 2850 # 1 Y/ref	03/01/19	4880 ATIS ATIS	P/N 154-01300 S/N 58606PC SEAL, GREASE	Qty. 1 Bar code 2293 Condition NEW	
M.OUT 2861 # 1 Y/ref	04/01/19	4890 ATIS ATIS	P/N MS24693C273 S/N 78023 SCREW	Qty. 5 Bar code 2295 Condition NEW	
M.OUT 2865 # 1 Y/ref	04/01/19	4893 ATIS ATIS	P/N 06E19769-1-00 S/N ATIS1006 GASKET	Qty. 1 Bar code 2298 Condition NEW	
M.OUT 2865 # 2 Y/ref	04/01/19	4894 ATIS ATIS	P/N AEROD100 S/N 110448 ENGINE OIL	Qty. 8 Bar code 2299 Condition NEW	

DT N° 18-102
Application CN/AD/SB

Travaux Commandés
00/01/00

VP100H

F-GATD

N° OPS	Tâches à effectuer	DRIT	Exect	Cont
1	N-2017-14-04		RFC	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

Observations : (noter le n° de l'item correspondant) 1/N2017-14-04 vérifiée RAS

DT N° 18-102
Equipements à potentiel
Travaux Commandés

VP100H

F-GATD

N° OPS	Tâches à effectuer	CRIT	Exec.	Cont.
1	Traitement corrosion gouverne de profondeur et compensateur		NRE	
2	Traitement des craquelures capot moteur supérieur		NRE	
3	inspection stub axe train avant et principaux, vérifier fonctionnement et fuites		NRE	
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

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

1/corrosion traitée, alodine zing chromate peinture 2/craquelures peinture poncées, peinture 3/stub axes vérifiés suivant AMM 2E24 RAS

Travaux supplémentaires

N° OPS	Tâches à effectuer	CRIT	Exec.	Cont.
1	Nil			
2				
3				
4				
5				
6				
7				
8				
9				
10				

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

DT N° 18-102

Travaux Découverts
00/01/00

VP100H

F-GATD

N° OPS	Tâches à effectuer	Ctrl	Exéc.	Cont.
1	Nil			
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

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

Visa et acceptation Client des Travaux Demandés

Date :

Heure UTC :

Visa Responsable Entretien

Ed. 1 Rev. 14 avril 2016

Rappel : = autocontrôle

= contrôle croisé

= contrôle par personnel habilité

ATIS DT 4

Page3

DT N° 18-102

Travaux Reportés ou à suivre
13/12/18

VP100H

F-GATD

N°	Item	Causes d'arrêts	Visite reporté	Temps M.O.	M/N a commandité	Ref. CF
1	Nil					
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Visa Contrôle : 

Visa et acceptation client :

Date :

Heure UTC :

DT N° 18-102

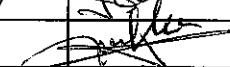
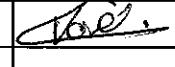
Récapitulatif Dossier de Travaux

Date :	17/12/18	Type de Travaux :	VP100H
--------	----------	-------------------	--------

Aéronef / Equipement

Type / P/N :	PA28-181	S/N :	28-7890138	Immat. :	F-GATD
--------------	----------	-------	------------	----------	--------

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
JEAN S.	JAN		ROUFFIGNAC B.	RF	
ROUFFIGNAC B.	RF				
Noré L	NL				

Outillage utilisé

P/N	S/N	Péremption	Restitution
2562 MRMH-1/2	31206417	10-19	00%
M2R100F	1529	10-19	00%
E2M	26880	09-19	00%
BT-33-75D	P2073	09-19	00%
EX330	140814112	09-19	00%
THIAIR	140476778	09-19	00%
150mm	T-30231	09-19	00%

Réception Visa :



Clôture Visa :



1. Approving competent Authority / Country
Autorité / Pays compétent

**DIRECTION GENERALE DE
L'AVIATION CIVILE**
France

2.

AIRCRAFT CERTIFICATE OF RELEASE TO SERVICE
Certificat d'approbation pour remise en service aéronef

4. Approved Organisation name and address / Nom et adresse de l'organisme Agrée

Air Tourisme Instruction Services - Zone Aviation Générale - Aéroport Martinique Aimé Césaire - 97223 LE LAMENTIN - Martinique (F.W.I.)

5. Form tracking number
N° de repère du formulaire

18-102

5. Work Order / Contract / invoice
Bon de commande / Contrat / Facture

SAGA 18-2018

6. Model / Type	7. Registration Immatriculation	8. A/C Serial number Numéro de série aéronef	9. Engines Serial Number / N° de série des moteurs	10. APU Serial number N° de série du Groupe Aux.	11. Operator / Exploitant
PA28-181	F-GATD	28-7890138	Moteur #1 : 1-30677-36AC Moteur #2 : N/A	N/A	S.A.G.A Eur

12. Status - Work performed / Etat - Travaux effectués :	Type visite : VP100H	Autres travaux :	Nil
--	----------------------	------------------	-----

Tâches kardex :	Traitement corrosion gouverne de profondeur et compensateur ; Traitement des craquelures capot moteur supérieur ; inspection stub axe train avant et principaux, vérifier fonctionnement et fuites
-----------------	--

Autres travaux :
Nil

13. Remarks / Remarques :
Travaux reportés ou à suivre :
Nil

14. Approved maintenance programme / Programme d'intention approuvé	15. Work pack reference / Réf. du dossier de visite Issue / Edition PE EASA	16. Date of performance / Date des travaux Beginning / Début 13/12/18	17. Aircraft flying hours End / Fin 04/01/19	18. Aircraft cycles Heures de vol 9781,6	Cycles N/A
19. Part 145.A.50 Release to Service / Approbation pour Remise en Service selon la Partie 145.A.50	Certifies 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'au vu de ces travaux, l'aéronef est considéré prêt à la remise en service.			

- subject to the satisfactory performance of the test flight
sous réserve de l'exécution satisfaisante du vol de contrôle

- for ferry flight and under the conditions in conformity with document of approval associated with this ferry flight ref :
Pour vol de convoyage technique et dans les conditions conformes au document d'apportation associé à ce vol de convoyage réf :

20. Authorized Signature / Signature	21. Certificate / Approval Ref. N° N° de certificat / d'agrément	22. Name / Nom Rouffignac Bernard	23. Date (dd/mm/yy) / UTC time Date (jj/mm/aa) / heure UTC 04/01/2019 16H00	24. Location / Lieu TFFF
--------------------------------------	---	--------------------------------------	---	-----------------------------

1. Approving competent Authority / Country
Autorité / Pays compétent
DIRECTION GENERALE DE
L'AVIATION CIVILE
France

2.
AIRCRAFT CERTIFICATE OF RELEASE TO SERVICE
Certificat d'approbation pour remise en service aéronef

4. Approved Organisation name and address / Nom et adresse de l'Organisme Agrée

Air Tourism Instruction Services - Zone Aviation Générale - Aéroport Martinique Aimé Césaire - 97232 LE LAMENTIN - Martinique (F.W.I.)

France

5. Work Order / Contract / Invoice
Bon de commande / Contrat / Facture
SAGA 18-2018

6. Model / Type
PA28-181

7. Registration
Immatriculation
F-GAID

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

Moteur #2 : N/A

10. APU Serial number
N° de série du Groupe Aux.
N/A

11. Operator / Exploitant
S.A.G.A Eur

12. Status - Work performed / Etat - Travaux effectués :
CNVAD/SB appliqués :
N-2017-14-04

Tâches kardex :

Traitement corrosion gouverne de profondeur et compensateur ; Traitement des craquelures capot moteur supérieur ; inspection stub axe train avant et principaux, vérifier fonctionnement et fuites

Autres travaux :

Nil

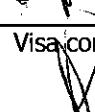
13. Remarks / Remarques :
Travaux reportés ou à suivre :
Nil

14. Approved maintenance programme / Programme d'entretien approuvé Issue / Edition PE EASA	15. Work pack reference / Réf. du dossier de visite Revision Date	16. Date of performance / Date des travaux Beginning / Début 13/12/18	17. Aircraft flying hours End / Fin 04/01/19	18. Aircraft cycles Heures de vol 978,6	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'a vu de ces travaux, l'aéronef est considéré prêt à la remise en service.

- subject to the satisfactory performance of the test flight sous réserve de l'exécution satisfaisante du vol de contrôle
- for ferry flight and under the conditions in conformity with document of approval associated with this ferry flight ref : pour vol de convoyage technique et dans les conditions conformes au document d'approbation associé à ce vol de convoyage réf :

20. Authorized Signature / Signature 	21. Certificate / Approval Ref. N° N° de certificat / d'agrément FR.145.566	22. Name / Nom Rouffignac Bernard	23. Date (dd/mm/yy) / UTC time Date (jj/mm/aa) / heure UTC 04/01/2019 20H15	24. Location / Lieu TFFF
---	---	--------------------------------------	---	-----------------------------

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 
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 
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 
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 
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 
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. Une copie du CRM est archivée avec le dossier de visite	Visa contrôle 

~~F-6A+D~~

PAGE-101

VP 100^H

DT 10-102

CHAPTER

5

TIME LIMITS AND MAINTENANCE CHECKS

1A21

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

CHAPTER 5 - TIME LIMITS/MAINTENANCE CHECKS

TABLE OF CONTENTS/EFFECTIVITY

CHAPTER SECTION	SUBJECT	GRID NO.	EFFECTIVITY
5-00-00	GENERAL	1A23	
5-10-00	TIME LIMITS	1A24	
5-10-00	Inspection Requirements	1A24	
5-10-00	Preflight Checks	1A24	
5-10-00	Over Limits Inspection	1A24	
5-20-00	SCHEDULED MAINTENANCE	1B1	
5-20-00	Periodic Inspections	1B1	
5-40-00	PROGRESSIVE INSPECTION	1B11	
5-50-00	UNSCHEDULED MAINTENANCE CHECKS	1B12	
5-50-00	Special Inspections as Required, Upon Condition	1B12	

5 - Cont./Effec.

Page 1

Reissued: July 30, 1994

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

GENERAL

This chapter provides instructions for conducting inspections. Inspections are described in inspection requirements and preflight checks. Repair or replacement instructions for unserviceable components are in the section covering the applicable aircraft system.

— WARNING —

Ground magneto primary circuit before performing any engine work.

THIS SPACE INTENTIONALLY LEFT BLANK

5-00-00

Page 1

Reissued: July 30, 1994

1A23

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

TIME LIMITS

A. INSPECTION REQUIREMENTS

Required inspection procedures are listed in periodic inspections. Inspection procedure is divided as follows: Propeller, Engine, Cabin, Fuselage and Empennage, Wing, Landing Gear, Float Group, Operational Inspection, and General. The first column in each group lists the inspection or procedure to be performed. The second column is divided into four columns indicating required inspection intervals of 50 hours, 100 hours, 500 hours, and 1000 hours. Inspection or operation is required each inspection interval as indicated by a circle (O). Refer to the applicable section in this manual for part access or part removal instructions. Use forms (Piper Part no. 230 1039) furnished by the Piper Factory Service Department, available through Piper dealers or distributors for inspections

B. PREFLIGHT CHECKS

Perform a thorough preflight and walk-around check in addition to inspection intervals in Periodic Inspections. Pilot or mechanic must include preflight check as normal procedure necessary for safe aircraft operation. Refer to Pilot's Operating Handbook for items that must be checked.

C. OVER LIMITS INSPECTION

Check appropriate manufacturer's instructions if aircraft components have exceeded maximum operational limits.

THIS SPACE INTENTIONALLY LEFT BLANK

5-10-00
Page 1

Reissued: July 30, 1994

PIPER AIRCRAFT
PA-28-181
AIRPLANE MAINTENANCE MANUAL

SCHEDULED MAINTENANCE CHECKS

PERIODIC INSPECTIONS

—NOTE—

(Refer to Notes 1, 2, 3, and 4 before performing inspections.)

NATURE OF INSPECTION	Inspection time (hrs)			
	50	100	500	1000
A. PROPELLER GROUP				
1. Inspect spinner and back plate.....	0	0	0	0
2. Inspect blades for nicks and cracks.....	0	0	0	0
3. Inspect for grease and oil leaks.....	0	0	0	0
4. Lubricate propeller. Refer to chapter 12.).....	0	0	0	0
5. Inspect spinner mounting brackets.....	0	0	0	0
6. Inspect propeller mounting bolts and safety. Check torque, if safety is broken.....	0	0	0	0
7. Inspect hub parts for cracks and corrosion.....	0	0	0	0
8. Inspect complete propeller and spinner assembly for security, chafing, cracks, deterioration, wear, and proper installation.....	0	0	0	0
9. Recondition propeller. (See Note 5.)	0	0	0	0
B. ENGINE GROUP.				
—WARNING—				
<i>Ground magneto primary circuit prior to beginning any engine work.</i>				
—NOTE—				
<i>Read note 6 prior to beginning this inspection group.</i>				
1. Remove engine cowling. Inspect for damage.....	0	0	0	0
2. Clean and inspect cowling for cracks, distortion, and loose or missing fasteners	0	0	0	0
3. Drain oil sump. (See Note 7.).....	0	0	0	0
4. Clean suction oil strainer at oil change. Inspect strainer for foreign particles.....	0	0	0	0
5. Clean pressure oil strainer or change full flow (cartridge type) oil filter element. Check strainer or element for foreign particles.....	0	0	0	0
6. Inspect oil temperature sender unit for leaks and security.....	0	0	0	0
7. Inspect oil lines and fitting for leaks, security, chafing, dents, and cracks. (See Note 8.).....	0	0	0	0
8. Clean and inspect oil radiator cooling fins.....	0	0	0	0
9. Remove and flush oil radiator.....	0	0	0	0
10. Fill engine with oil per lubrication chart. (Refer to chapter 12.).....	0	0	0	0

5-20-00

Page 1

Reissued: July 30, 1994

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

SCHEDULED MAINTENANCE CHECKS (continued)

PERIODIC INSPECTIONS (continued)

—NOTE—

Refer to Notes 1, 2, 3, and 4 before performing inspections.)

NATURE OF INSPECTION	Inspection time (hrs)			
	50	100	500	1000
B. ENGINE GROUP (continued)				
— CAUTION —				
<i>Use caution not to contaminate vacuum pump with cleaning fluid. (Refer to latest revision Lycoming Service Instruction No. 1221.)</i>				
11. Clean engine.....	0	0	0	0
12. Inspect condition of spark plugs (clean and adjust gap as required, adjust per latest revision Lycoming Service Instruction no. 1042.)	0	0	0	0
— NOTE —				
<i>If fouling of spark plugs are apparent, rotate bottom plugs to upper plugs.</i>				
13. Inspect spark plug cable leads and ceramics for corrosion and deposits.....	0	0	0	0
14. Check cylinder compression. (Reference: AC 43.13-1A.).....	0	0	0	0
15. Inspect cylinders for cracked or broken fins. (See Note 9.)	0	0	0	0
16. Inspect rocker box covers for evidence of oil leaks. If found, replace gasket; tighten cover screws to a torque of 50 inch-pounds. (See Notes 10)	0	0	0	0
17. Inspect ignition harness and insulators for high tension leakage and continuity.....	0	0	0	0
18. Inspect magneto points for condition and proper clearance.....	0	0	0	0
19. Inspect magneto for oil leakage.....	0	0	0	0
20. Inspect breaker felts for proper lubrication.....	0	0	0	0
21. Inspect distributor block for cracks, burned areas, corrosion, and height of contact springs.....	0	0	0	0
22. Check magnetos to engine timing.....	0	0	0	0
23. Overhaul or replace magnetos. (See Note 11.).....	0	0	0	0
24. Remove air filter and tap gently to remove dirt particles Replace as required.....	0	0	0	0
25. Drain carburetor and clean inlet line fuel strainer.....	0	0	0	0
26. Inspect condition of carburetor heat air door and box. (See Note 12.).....	0	0	0	0
27. Inspect vent lines for evidence of fuel or oil seepage.....	0	0	0	0
28. Inspect intake seals for leaks and clamps for tightness.....	0	0	0	0
29. Inspect all air inlet duct hoses. (Replace as per latest revision Piper Service Bulletin No. 356.).....	0	0	0	0
30. Inspect flexible fuel lines condition.....	0	0	0	0

5-20-00

Page 2

Reissued: July 30, 1994

Cyl 1:74; Cyl 2:76
Cyl 3:76; Cyl 4:78

PIPER AIRCRAFT
PA-28-181
AIRPLANE MAINTENANCE MANUAL

SCHEDULED MAINTENANCE CHECKS (continued)

PERIODIC INSPECTIONS (continued)

—NOTE—

Refer to Notes 1, 2, 3, and 4 before performing inspections.)

NATURE OF INSPECTION	Inspection time (hrs)			
	50	100	500	1000
B. ENGINE GROUP (continued)				
31. Replace flexible fuel lines. (See Note 8.).....				0
32. Inspect fuel system for leaks.....		0	0	0
33. Clean electric fuel pump screen and check operation.		0	0	0
34. Overhaul or replace engine driven and electric fuel pumps. (See Note 11.)		0	0	0
35. Remove and clean fuel filter bowl and screen. Clean at least every 90 days.....	0	0	0	0
36. Inspect vacuum pump and lines.....	0	0	0	0
37. Overhaul or replace vacuum pump. (See Note 11.)				0
38. Inspect throttle, carburetor heat, mixture, and propeller governor controls for security, travel, and operating conditions.			0	0
39. Inspect exhaust stacks, connections, and gaskets. Replace gaskets as required. (Refer to chapter 78.).....		0	0	0
40. Inspect muffler, heat exchanger and baffles. (Refer to latest revision of Piper Service Bulletin 879 and chapter 78.).....		0	0	0
—NOTE—				
<i>It is recommended that all airplanes be fitted with a new muffler at or before 1000 hour period of muffler use.</i>				
41. Inspect breather tube for obstructions and security.....	0	0	0	0
42. Inspect crankcase for cracks, leaks, and security of seam bolts.....	0	0	0	0
43. Inspect engine mounts for cracks and loose mountings.....	0	0	0	0
44. Inspect all engine baffles.....	0	0	0	0
45. Inspect all wiring connected to the engine or accessories.....	0	0	0	0
46. Inspect rubber engine mount bushings for deterioration. Replace as required.....	0	0	0	0
47. Inspect firewall seals.....	0	0	0	0
48. Inspect alternator drive belt condition and tension.....	0	0	0	0
49. Lubricate alternator idler pulley (if installed) per lubrication chart. DO NOT lubricate if sealed bearings are installed.				0
50. Inspect condition of alternator and starter, and related electrical connections.....	0	0	0	0
51. Inspect security of alternator mounting.....	0	0	0	0
52. Inspect air conditioning compressor oil level. (See Note 13.) <i>N/A</i>	0	0	0	0
53. Inspect compressor belt condition and tension. (90 to 100 lb.) <i>N/A</i>	0	0	0	0
54. Inspect compressor clutch security and wiring. (See Note 14.) <i>N/A</i>	0	0	0	0
55. Inspect security of compressor mounting.....	0	0	0	0
56. Check fluid in brake reservoir. Fill as required.....	0	0	0	0

5-20-00

Page 3

Reissued: July 30, 1994

PIPER AIRCRAFT
PA-28-181
AIRPLANE MAINTENANCE MANUAL

SCHEDULED MAINTENANCE CHECKS (continued)

PERIODIC INSPECTIONS (continued)

— NOTE —

(Refer to Notes 1, 2, 3, and 4 before performing inspections.)

NATURE OF INSPECTION	Inspection time (hrs)			
	50	100	500	1000
B. ENGINE GROUP (continued)				
57. Lubricate all controls. (Refer to chapter 12.)	150	0	0	0
58. Overhaul or replace propeller governor. (See Note 11.) <i>MA</i>	100	0	0	0
59. Complete engine overhaul or replace with factory rebuilt. (Refer to latest revision of Textron Lycoming Service Letter 201.) <i>MA</i>	100	0	0	0
60. Install engine cowl.	100	0	0	0
C. CABIN GROUP				
1. Inspect cabin entrance, doors, and windows for damage and operation.	<i>N/A</i>	0	0	0
2. Inspect window sealants for cracks and deterioration. Reseal if necessary.	<i>N/A</i>	0	0	0
3. Inspect upholstery for tears.	<i>N/A</i>	0	0	0
4. Inspect seats, seat belts, security brackets, and bolts.	<i>N/A</i>	0	0	0
5. Check trim operation. (See Note 15.) <i>MA</i>	<i>N/A</i>	0	0	0
6. Inspect rudder pedals.	<i>N/A</i>	0	0	0
7. Inspect parking brake and brake handle for operation and cylinder leaks.	<i>N/A</i>	0	0	0
8. Inspect control wheels, column, pulleys, and cables for condition. (See Note 16.).	<i>N/A</i>	0	0	0
9. Inspect flap control cable attachment bolt. (Refer to latest revision of Piper Service Bulletin 965.)	<i>N/A</i>	0	0	0
10. Inspect landing, navigation, cabin, and instrument lights	<i>N/A</i>	0	0	0
11. Inspect instruments, lines, and attachments.	<i>N/A</i>	0	0	0
12. Inspect gyro operated instruments and electric turn and bank. (Overhaul or replace as required.).	<i>N/A</i>	0	0	0
13. Replace central air filter.	<i>N/A</i>	0	0	0
14. Clean or replace vacuum regulator filter.	<i>N/A</i>	0	0	0
15. Inspect altimeter. Calibrate altimeter system per FAR 91 <i>MA</i> if appropriate.	<i>N/A</i>	0	0	0
16. Check fuel selector valve operation.	<i>N/A</i>	0	0	0
17. Inspect condition of heater controls and ducts.	<i>N/A</i>	0	0	0
18. Inspect air vents condition and operation.	<i>N/A</i>	0	0	0
19. Inspect condition of air conditioning ducts. <i>MA</i>	<i>N/A</i>	0	0	0
20. Remove and clean air conditioning evaporator filter. <i>MA</i>	<i>N/A</i>	0	0	0
D. FUSELAGE AND EMPENNAGE GROUP				
1. Remove inspection plates and panels.	<i>N/A</i>	0	0	0

5-20-00

Page 4

Reissued: July 30, 1994

PIPER AIRCRAFT
PA-28-181
AIRPLANE MAINTENANCE MANUAL

SCHEDULED MAINTENANCE CHECKS (continued)

PERIODIC INSPECTIONS (continued)

—NOTE—

Refer to Notes 1, 2, 3, and 4 before performing inspections.)

NATURE OF INSPECTION	Inspection time (hrs)			
	30	100	500	1000
D. FUSELAGE AND EMPENNAGE GROUP (continued)				
2. Inspect baggage door, latch, and hinges.....	NO	0	0	0
3a. Archer II - Inspect battery, box, cables, and securing straps. Inspect at least every 30 days. Flush box as required and fill battery per box instructions.....	NO	0	0	0
3b. Archer III - Inspect battery condition and security. Clean and recharge acid recovery (vent) jar. (Refer to Chapter 24) <i>NA</i>	NO	0	0	0
4. Inspect electronic installation.....	NO	0	0	0
5. Inspect bulkheads and stringers for damage.....	NO	0	0	0
6. Inspect antenna mounts and electric wiring.....	NO	0	0	0
7. Inspect air conditioning system for Freon leaks. (See Note 13.) <i>NA</i>	NO	0	0	0
8. Inspect Freon level in sight gauge of receiver dehydrator. (Refer to chapter 21 and see Note 13.) <i>NA</i>	NO	0	0	0
9. Inspect air conditioning condenser air scoop rigging. (See Note 23.) <i>NA</i>	NO	0	0	0
10. Inspect fuel lines, valves, and gauges for damage and operation.....	NO	0	0	0
11. Clean screen in fuel pumps. <i>NA</i>	NO	0	0	0
12. Inspect security of all lines.....	NO	0	0	0
13. Inspect vertical fin and rudder surfaces for damage.....	NO	0	0	0
14. Inspect rudder hinges, horn, and attachments for damage and operation.....	NO	0	0	0
15. Inspect rudder control stops. Verify stops are not loose and locknuts are tight.....	NO	0	0	0
16. Inspect vertical fin attachments.....	NO	0	0	0
17. Inspect rudder hinge bolts for excess wear. Replace as required.....	NO	0	0	0
18. Inspect stabilator surfaces for damage.....	NO	0	0	0
19. Inspect stabilator, tab hinges, horn, and attachments for damage and operation.....	NO	0	0	0
20. Inspect stabilator control stops, verify stops are not loose and locknuts are tight.....	NO	0	0	0
21. Inspect stabilator attachments. (See latest Piper Service Bulletin 856.).....	NO	0	0	0
22. Inspect stabilator and tab hinge bolts and bearings for excess wear. Replace as required.....	NO	0	0	0
23. Inspect stabilator trim mechanism.....	NO	0	0	0
24. Inspect aileron, rudder, stabilator primary control cables, and stabilator trim cables, turnbuckles, guides, and pulleys for safety, damage, and operation. (See Note 16.).....	NO	0	0	0
25. Use a tensiometer to inspect all cable tensions. (See Note 17.)	NO	0	0	0
26. Clean and lubricate stabilator trim drum screw.....	NO	0	0	0
27. Clean and lubricate all exterior needle bearings.....	NO	0	0	0
28. Lubricate per lubrication chart. (Refer to chapter 12.).....	NO	0	0	0
29. Inspect anti-collision light for security and operation.....	NO	0	0	0
30. Inspect security of autopilot hridle cable clamps. (See Note 18.) <i>NA</i>	NO	0	0	0

5-20-00

Page 5

Reissued: July 30, 1994

PIPER AIRCRAFT
PA-28-181
AIRPLANE MAINTENANCE MANUAL

SCHEDULED MAINTENANCE CHECKS (continued)

PERIODIC INSPECTIONS (continued)

—NOTE—

(Refer to Notes 1, 2, 3, and 4 before performing inspections.)

NATURE OF INSPECTION	Inspection time (hrs)			
	50	100	500	1000
D. FUSELAGE AND EMPENNAGE GROUP (continued)				
31. Inspect all air ducts, electrical leads, lines, radio antenna leads, and attaching parts for security, routing, chafing, deterioration, wear, and proper installation.....	NOT	0	0	
32. Inspect ELT installation, battery and antenna condition. (See the latest revision Piper Service Letter no. 820.).....	NOT	0	0	
34. Install inspection plates and panels.....	NOT	0	0	
E. WING GROUP				
1. Remove inspection plates and fairings.....	NOT	0	0	
2. Inspect surfaces and tips for damage, loose rivets, and condition of walk-way.....	NOT	0	0	
3. Inspect tip light shield for cracks, bonds, corrosion, or other damage.....	NOT	0	0	
4. Inspect aileron hinges and attachments.....	NOT	0	0	
5. Inspect aileron control stops, verify stops are not loose and locknuts are tight.....	NOT	0	0	
6. Inspect aileron cables, pulleys, and bellcranks for damage and operation. (See Note 16.).....	NOT	0	0	
7. Inspect flaps and attachments for damage and operation.....	NOT	0	0	
8. Inspect condition of bolts used with hinges. Replace as required.....	NOT	0	0	
9. Lubricate per lubrication chart. (Refer to chapter 12.).....	NOT	0	0	
10. Inspect wing attachment bolts and brackets.....	NOT	0	0	
11. Inspect wing fore and aft attach fittings for security, corrosion and condition. See to note 25)......	NOT	0	0	
12. Inspect fuel tanks and lines for leaks and water. (See Note 23.)......	NOT	0	0	
13. Fuel tanks marked for capacity.....	NOT	0	0	
14. Fuel tanks marked for minimum octane rating.....	NOT	0	0	
15. Inspect fuel cell vents. (See Note 20)......	NOT	0	0	
16. Inspect all air ducts, electrical leads, lines, and attaching parts for security, routing, chafing, deterioration, wear, and proper installation.....	NOT	0	0	
17. Install inspection plates and fairings.....	NOT	0	0	
F. LANDING GEAR GROUP				
1. Inspect oleo struts for proper extension. Check fluid level as required.....	NOT	0	0	
2. Inspect nose gear steering control and travel.....	NOT	0	0	
3. Inspect wheels for alignment.....	NOT	0	0	

5-20-00

Page 6

Reissued: July 30, 1994

PIPER AIRCRAFT
PA-28-181
AIRPLANE MAINTENANCE MANUAL

SCHEDULED MAINTENANCE CHECKS (continued)

PERIODIC INSPECTIONS (continued)

—NOTE—

Refer to Notes 1, 2, 3, and 4 before performing inspections.)

NATURE OF INSPECTION	Inspection time (hrs)			
	50	100	500	1000
F. LANDING GEAR GROUP (continued)				
4. Put airplane on jacks.....	W/B	0	0	0
5. Inspect tires for cuts, uneven or excessive wear, and slippage.....	W/B	0	0	0
6. Remove wheels, clean, check, and repack bearings.....	W/B	0	0	0
7. Inspect wheels for cracks, corrosion, and broken bolts.....	W/B	0	0	0
8. Inspect tire pressure.....	W/B	0	0	0
9. Inspect brake lining and disc for condition and wear.....	W/B	0	0	0
10. Inspect brake backing plates for condition and wear.....	W/B	0	0	0
11. Inspect brake lines.....	W/B	0	0	0
12. Inspect shimmy dampener.....	W/B	0	0	0
13. Inspect gear forks for damage.....	W/B	0	0	0
14. Inspect Archer II cast main landing gear oleo housing torque lugs for cracks. (Refer to chapter 32 and see note 26).....	W/B	0	0	0
15. Inspect oleo struts for fluid leaks and scoring.....	W/B	0	0	0
16. Inspect gear struts and mounting bolts for condition and security.....	W/B	0	0	0
17. Inspect torque links for cracks, bolts for condition and security. (Serial No's 28-7690001 thru 28-7890231 refer to latest Piper Service Letter 842.).....	W/B	0	0	0
18. Check torque link assembly for excessive side play.....	W/B	0	0	0
19. Inspect all hydraulic lines, electrical leads, and attaching parts for security, routing, chafing, deterioration, wear, and proper installation.....	W/B	0	0	0
20. Lubricate per lubrication chart. (Refer to chapter 12.).....	W/B	0	0	0
21. Remove airplane from jacks.....	W/B	0	0	0
G. FLOAT GROUP (Applicable to float equipped Archer I and Archer II only)				
1. Inspect float attachment fittings.....	W/B	0	0	0
2. Inspect floats for damage.....	W/B	0	0	0
3. Inspect pulleys and cables (see Note 16).....	W/B	0	0	0
H. OPERATIONAL INSPECTION				
1. Check fuel pump and fuel tank selector	0/A/B	0	0	0
2. Check fuel quantity, pressure and flow readings.....	0/A/B	0	0	0
3. Check oil pressure and temperature.....	0/A/B	0	0	0
4. Check alternator output.....	0/A/B	0	0	0

5-20-00

Page 7

Reissued: July 30, 1994

PIPER AIRCRAFT
PA-28-181
AIRPLANE MAINTENANCE MANUAL

SCHEDULED MAINTENANCE CHECKS (continued)

PERIODIC INSPECTIONS (continued)

— NOTE —

Refer to Notes 1, 2, 3, and 4 before performing inspections.)

NATURE OF INSPECTION	Inspection time (hrs)			
	50	100	500	1000
H. OPERATIONAL INSPECTION (continued)				
5. Check manifold pressure	✓	0	0	0
6. Check carburetor air.....	✓	0	0	0
7. Check parking brake.....	✓	0	0	0
8. Check operation of auxiliary vacuum pump system, if installed. (See note 21.)	✓	0	0	0
9. Check vacuum gauge.....	✓	0	0	0
10. Check gyros for noise and roughness.....	✓	0	0	0
11. Check cabin heater operation.....	✓	0	0	0
12. Check magneto switch operation.....	✓	0	0	0
13. Check magneto rpm variation.....	✓	0	0	0
14. Check throttle and mixture operation. (See latest revision Piper Service Bulletin No. 448.).....	✓	0	0	0
15. Check propeller smoothness.....	✓	0	0	0
16. Perform maximum power static rpm check per Chapter 71.....	✓	0	0	0
17. Check engine idle.....	✓	0	0	0
18. Check electronic equipment operation.....	✓	0	0	0
19. Check air conditioner compressor clutch operation. <i>MA</i>	✓	0	0	0
20. Check air conditioner condenser scoop operation. <i>MA</i>	✓	0	0	0
21. Check operation of autopilot, including automatic pitch trim, and manual electric trim (if installed). (Refer to note 22.) <i>MA</i>	✓	0	0	0
I. GENERAL				
1. Verify aircraft conforms to FAA Specifications.....	✓	0	0	0
2. Comply with all latest revision FAA Airworthiness Directives.....	✓	0	0	0
3. Comply with all latest revision Manufacturers Service Bulletins and Letters	✓	0	0	0
4. Check for proper flight manual.....	✓	0	0	0
5. Verify aircraft papers in proper order.....	✓	0	0	0

5-20-00

Page 8

Reissued: July 30, 1994

PIPER AIRCRAFT
PA-28-181
AIRPLANE MAINTENANCE MANUAL

SCHEDULED MAINTENANCE CHECKS (continued)

PERIODIC INSPECTIONS (continued)

NOTES

1. Refer to last card of Piper parts price list Aerofiche, for a check list of current revision dates to Piper inspection reports and manuals.
2. All inspections or operations are required each inspection interval as indicated by a (O). Both the annual and 100 hour inspections are complete aircraft inspections, identical in scope. The 500 and 1000 hour inspections are extensions of the annual or 100 hour inspection and require more detailed aircraft examination, overhaul, or replacement of major components. Inspections must be by FAA authorized persons.
3. Piper Service Bulletins are of special importance and Piper considers compliance mandatory.
4. Piper Service Letters are product improvements and service hints pertaining to aircraft servicing, and require careful attention.
5. Recommended flight time between reconditioning of Sensenich fixed-pitch metal propellers is 1000 hours, if propeller has no prior damage. Reconditioning is removal of fatigued surface metal and accumulated small nicks too numerous to repair individually. Contact a Sensenich factory approved repair station. (Refer to latest revision of Sensenich Service Letter no. 80-1.)
6. Power plant inspections are based on the engine manufacturer's operator's manual. Changes to the engine manufacturer's operator's manual will supersede or supplement inspections outlined lined in this report. Refer to latest revision of Textron Lycoming Service Letter No. 114
7. Intervals between oil changes can be increased as much as 100 percent on engines equipped with full flow cartridge type oil filters, if element is replaced each 50 hours of operation. Refer to latest revision Lycoming Service Bulletin 480 for additional information.
8. Replace engine compartment flexible hoses (fuel, oil, etc.) every 1000 hours, 8 years or at engine TBO, whichever comes first. Refer to latest revision of Textron Lycoming Service Bulletin 240 and latest revision of Textron Lycoming Service Letter L201B.
9. Check cylinders for evidence of excessive heat (look for burned paint on cylinders. This condition indicates internal cylinder damage and, if found, its cause must be found and corrected before aircraft returns to service.

Heavy discoloration and appearance of seepage at cylinder head and barrel attachment area is usually due to emission of thread lubricant used during barrel assembly at the factory, or by slight gas leakage stopping after cylinder is in service awhile. This condition is not harmful to engine performance and operation. If leakage exceeds these condition, replace cylinder.

10. At every 400 hours of engine operation, remove rocker box covers and check for freedom of valve rockers when valves are closed. Look for evidence of abnormal wear or broken parts in area of valve tips, valve keeper, springs, and spring seat. If wear is found, remove the cylinder and all components (including piston and connecting rod assembly) and inspect for further damage. Replace any parts not conforming to limits in latest revision for Textron Lycoming Service Table of Limits SSPO 1776.
11. Replace (or overhaul, if applicable) at engine overhaul or 5 years, whichever comes first. (For engine overhaul, refer to latest revision of Textron Lycoming Service Bulletin 240 and Service Letter L201).

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

SCHEDULED MAINTENANCE CHECKS (continued)

PERIODIC INSPECTIONS (continued)

NOTES (continued)

12. Check throttle body attaching screws for tightness. Tighten screws to a torque of 40 to 50 inch-pounds.
13. Compressor oil level should not be checked unless a Freon leak has occurred, requiring an addition of Freon to the system. *CAUTION: Environmental regulations may require special equipment and procedures be utilized when charging air conditioning system with Freon.*
14. Clean any traces of oil from clutch surface.
15. If airplane has electric trim system refer to latest revision Piper Service Bulletin no. 556.
16. Examine cables for broken strands by wiping the cable with a cloth along the entire length of the cable. Visually inspect the cable thoroughly for damage not detected by the cloth. Replace damaged or frayed cables. Refer to Chapter 27 and the latest edition of FAA Advisory Circular 43.13-1A Paragraph 198.
17. Maintain cable tensions specified in chapter 27.
18. Check security and condition of autopilot servo bridle cables, clamps, and sheer pin per latest revision of Piper Service Letter No. 695.
19. Replace flexible fuel tank supply hose at engine overhaul.
20. Replace fuel tank vent line flexible connections as required, but no later than 1000 hours time-in-service.
21. The Airborne auxiliary vacuum pump/motor assembly (4A3-1) must be removed from service and replaced at 500 hours operating time as indicated on the elapsed time indicator, or at 10 years of installed time in the aircraft, whichever comes first.
22. Refer to Flight Manual Supplement for preflight and flight check for intended function in all modes.
23. Pressure check all fluid hoses in fuselage and wing areas after 10 years time-in-service. Visually check for leaks. Hoses that pass inspection may remain in service and checked thereafter each five years time-in-service.
24. Replace compressor belt each 1000 hours time-in-service, or 3 years, whichever comes first.
25. Inspect area around fore and aft attach fittings for evidence of wet interior insulation. Replace as necessary.
26. On Archer II airplanes used for training, and utilizing cast main gear cylinder housings, inspect the housing radii at the torque link attach lugs for cracks after the first 2000 hours time-in-service. Thereafter, the inspection must be performed each 100 time-in-service. Replacing the cast housings with a forged housings (Piper p/n 65490-0) will eliminate the need for this inspection.

— NOTE —

Obtain printed copies of the 100 Hour/Annual Inspection Report from Piper Service Sales, as Piper Part Number 230 1039.

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

PROGRESSIVE INSPECTION

The progressive continuous inspection was designed to permit the best aircraft utilization by scheduling inspections through use of a planned inspection schedule. The programmed inspection schedule has been prepared in manual form available from Piper Service Sales - as Piper Part no. 761 497. Refer to last card Piper Parts Price List - Aerofiche (revision check list) for latest revision of inspection manual.

THIS SPACE INTENTIONALLY LEFT BLANK

5-40-00

Page 1

Reissued: July 30, 1994

1B11

PIPER AIRCRAFT
PA-28-181
AIRPLANE MAINTENANCE MANUAL

UNSCHEDULED MAINTENANCE CHECKS

SPECIAL INSPECTIONS AS REQUIRED, UPON CONDITION

Special inspections supplement scheduled inspections (outlined in the Periodic Inspections), and include inspections required at intervals not compatible with airframe operating time or inspection intervals. Typical of this type are:

— CAUTION —

Any of the following items resulting in airframe, engine mount, or wing damage will require compliance with the latest revision of SB 886.

1. Inspections required due to special conditions or incidents requiring immediate inspection before further safe flight.
2. Hard or Overweight Landing. Inspection must be performed after a known rough landing or when landing while aircraft is known to exceed design landing weight. Check following areas and items:
 - a. Wings - for wrinkled skins, loose, or missing rivets.
 - b. Fuel leaks around fuel tanks.
 - c. Wing spar webs, bulkheads, wing and fuselage stringers, and skins for any overstress or damage.
 - d. Check alignment to eliminate any doubt of damage.
3. Severe Turbulence Inspection. The same items and locations must be checked as per Hard or Overweight Landings. The following must be checked:
 - a. Top and bottom fuselage skins for loose or missing rivets and wrinkled skins.
 - b. Empennage skins and attachments.
4. Engine overspeed, sudden stoppage, loss of oil, over temperature, and lightning strike: Check with Textron Lycoming for necessary corrective repair or replacement.

— END —

1B12

5-50-00

Page 1

Reissued: July 30, 1994

F.GATD DT 10-102
visée par AR - RAY

Avis d'émission d'une Directive de Navigabilité (AD)* par

l'EASA, European Aviation Safety Agency

l'autorité primaire d'un matériel étranger

Les examens ou modifications décrits ou rappelés ci-dessous sont impératifs. La non application des exigences contenues dans la Directive de Navigabilité citée ci-dessous entraîne l'inaptitude au vol de l'aéronef concerné.

(Envoi 16/2017 du 02 août 2017)

Directive de Navigabilité de la FAA de référence 2017-14-04

PIPER AIRCRAFT, Inc

Avions PA 28-100, PA 28-200, PA 28 R, PA 32 et PA 32 R

Lubrification Moteur – Durite radiateur d'huile -- Inspection / Remplacement

Cette AD remplace l'AD de la DGAC F-1977-015-IMP R1 (A) du 09 mars 1996.

This AD supersedes DGAC AD F-1977-015-IMP R1 (A) dated 09 March 1996.

Nota pour les exploitants et organismes d'entretien d'aéronefs inscrits au registre français :

Si l'AD jointe invite à un contact vers l'autorité primaire de l'AD, contacter le bureau concerné du département certification-produits de l'EASA.

Si pour l'exécution d'une tâche donnée, l'AD jointe se réfère à une qualification de personnel répondant à une réglementation nationale, il est possible de faire intervenir, pour cette tâche, du personnel de qualification équivalente acceptée dans l'Union Européenne.

Si l'AD jointe se réfère à une donnée de navigabilité ou une instruction pour le maintien de la navigabilité (Manuel de Vol, Manuel de Maintenance, ...) qui n'est pas celle approuvée ou pas celle en vigueur en France ou si l'AD jointe présente une difficulté d'application liée à sa spécificité nationale, exposer le problème auprès de la direction des méthodes d'OSAC (par courriel à "contact@osac.aero" ou par fax au 01 46 42 65 39) ou auprès du bureau concerné du département certification-produits de l'EASA.

* Cette AD est exigible au titre du règlement Européen 748/2012.



FAA
Aviation Safety

AIRWORTHINESS DIRECTIVE

www.faa.gov/aircraft/safety/alerts/
www.gpoaccess.gov/fr/advanced.html

2017-14-04 Piper Aircraft, Inc.: Amendment 39-18948; Docket No. FAA-2016-9254; Directorate Identifier 2015-CE-030-AD.

(a) Effective Date

This AD is effective August 15, 2017.

(b) Affected ADs

This AD replaces AD 95-26-13, Amendment 39-9472 (60 FR 67321, December 29, 1995) ("AD 95-26-13").

(c) Applicability

This AD applies to Piper Aircraft, Inc. Models PA-28-140, PA-28-150, PA-28-151, PA-28-161, PA-28-160, PA-28-180, PA-28-181, PA-28-235, PA-28-236, PA-28R-180, PA-28R-200, PA-28R-201, PA-28S-160, PA-28S-180, PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32R-300, PA-32R-301 (SP), PA-32R-301 (HP), PA-32R-301T, PA-32RT-300, PA-32RT-300T, and PA-32S-300 airplanes, all serial numbers, that are:

- (1) Equipped with one or more oil cooler hose assemblies that do not meet technical standard order C53a (TSO-C53a), Type D requirements; and
- (2) Certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code 79, Engine Oil.

(e) Unsafe Condition

AD 95-26-13 was prompted by numerous incidents/accidents caused by rupture or failure of the oil cooler hose assemblies. This AD action was prompted by requests to clarify the intent of AD 95-26-13. We are issuing this AD to prevent rupture or failure of the oil cooler hose assemblies, which could result in engine stoppage with consequent loss of control.

(f) Compliance

RFC
Comply with this AD within the compliance times specified, unless already done. You may review the flow chart found in appendix 1 to assist you in complying with the actions of this AD.

(g) Inspection Procedures for an Oil Cooler Mounted AT or AFT of the Rear of the Engine

JK
RK
For any oil cooler hose assemblies that do not meet TSO-C53a, Type D requirements: Within the next 100 hours time-in-service (TIS) after February 5, 1996 (the effective date retained from AD 95-26-13), and repetitively thereafter at intervals not to exceed 100 hours TIS, inspect the fire sleeve of

each oil cooler hose assembly for soaked oil, a brownish or whitish color, and any evidence of brittleness or deterioration as a result of heat or oil seepage. See figure 1 to paragraphs (g) and (h) of this AD for additional information.

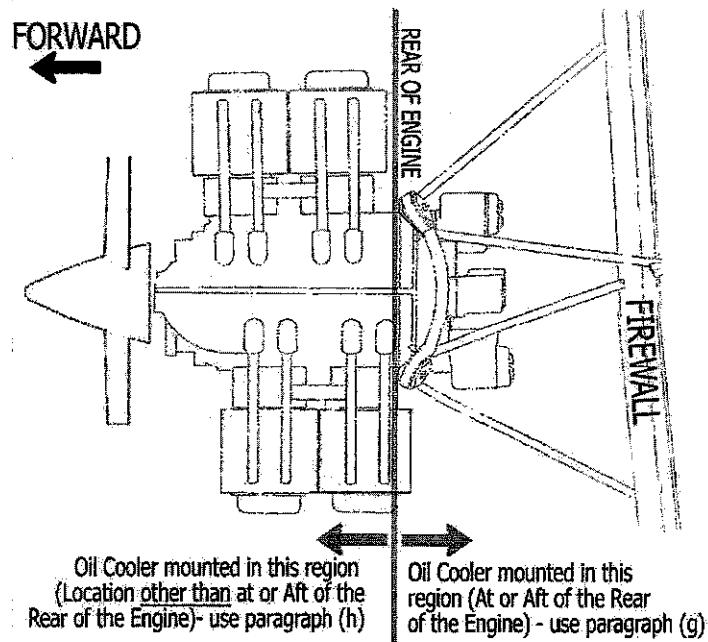


Figure 1 to paragraphs (g) and (h) of this AD: Oil cooler

RAT
Note 1 to paragraphs (g) and (h)(1) of this AD: Although not required by this AD, the FAA recommends that an oil cooler hose assembly flexibility test be done at 100-hour TIS intervals by gently lifting each oil cooler hose assembly in several places along its bottom surface, ideally at the center of an arc. If the oil cooler hose assembly moves slightly, either from side-to-side or upward, then some flexibility remains. If the oil cooler hose assembly appears hardened or inflexible, replacement is recommended.

(h) Inspection Procedures for an Oil Cooler Mounted in a Location Other Than AT or AFT of the Rear of the Engine

(1) For any oil cooler hose assemblies that do not meet TSO-C53a, Type D requirements: Within the next 100 hours TIS after February 5, 1996 (the effective date retained from AD 95-26-13), and repetitively thereafter at intervals not to exceed 100 hours TIS, inspect the fire sleeve of each oil cooler hose assembly for soaked oil, a brownish or whitish color, and any evidence of brittleness or deterioration as a result of heat or oil seepage. See figure 1 to paragraphs (g) and (h) of this AD for additional information.

(2) For any oil cooler hose assemblies that do not meet TSO-C53a, Type D requirements: Within the next 100 hours TIS after February 5, 1996 (the effective date retained from AD 95-26-13) and repetitively thereafter at intervals not to exceed 100 hours TIS, inspect the oil cooler hose assemblies

to ensure the installation conditions in paragraphs (h)(2)(i) through (iii) of this AD are met. See figure 1 to paragraphs (g) and (h) of this AD for additional information. If the conditions listed in paragraphs (h)(2)(i) through (iii) of this AD are not met, before further flight, make any necessary adjustments. See figure 2 to paragraph (h)(2) of this AD for additional information.

(i) The oil cooler hose assemblies pass underneath and behind the electrical ground cable and in front of the lower of the two engine mounts.

(ii) The oil cooler hose assemblies are secured to the engine mount strut and a clearance of at least 2 inches exists between the oil cooler hose assemblies and the exhaust stack.

(iii) Oil cooler hose assemblies with a minimum outer diameter of 0.75 inch are installed with a bend radius of at least 6.5 inches.

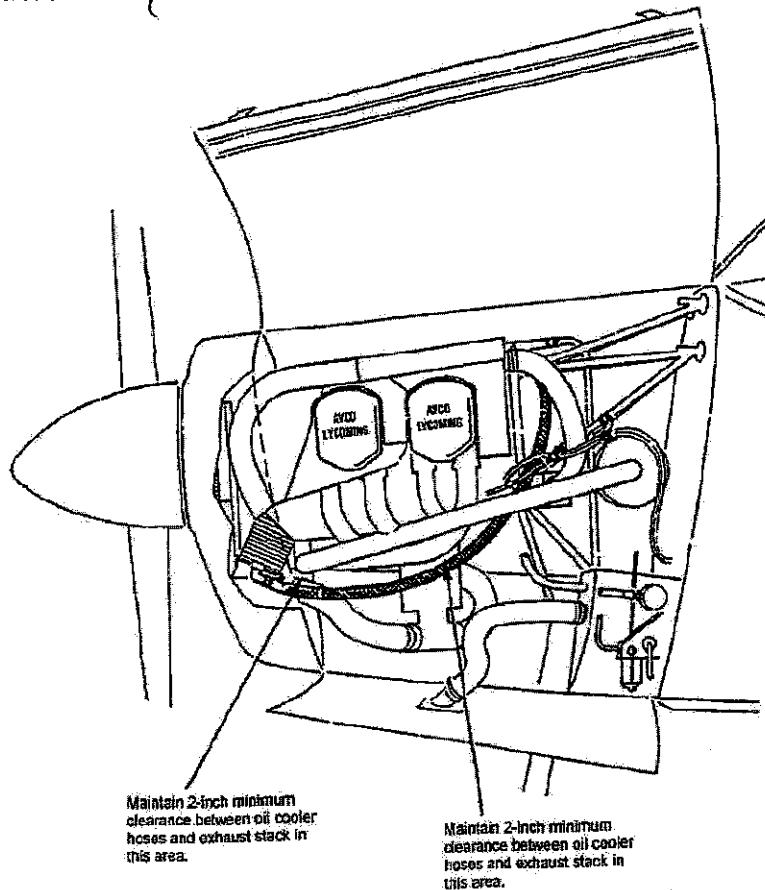


Figure 2 to paragraph (h)(2) of this AD: Acceptable clearances

(i) Corrective Actions

(1) If any of the conditions described in paragraph (g) or (h)(1) of this AD are found on an oil cooler hose assembly during the inspection required in paragraph (g) or (h)(1) of this AD, as applicable, before further flight, replace the oil cooler hose assembly with a serviceable new or used TSO-C53a Type D oil cooler hose assembly or TSO-C53a Type C oil cooler hose assembly. If a used TSO-C53a Type C oil cooler hose assembly is installed, it must have documented hours TIS.

Note 2 to paragraphs (i)(1) and (j) of this AD: If only one of the two oil cooler hose assemblies requires replacement, the FAA recommends replacing both of the oil cooler hose assemblies to simplify tracking the hours TIS of the assemblies.

(2) If a newly installed oil cooler hose assembly is a TSO-C53a Type C oil cooler hose assembly and it is mounted in a location other than at or aft of the rear of the engine, then replacement of the oil cooler hose assembly must meet the conditions listed in paragraphs (h)(2)(i) through (iii) of this AD.

(3) If compliance with paragraphs (i)(1) and (i)(2) of this AD results in both oil cooler hose assemblies of an airplane meeting TSO-C53a Type D requirements, then the requirements of this AD are terminated for the airplane.

(j) Life Limit of TSO-C53a Type C Oil Cooler Hose Assemblies

(1) When a TSO-C53a Type C oil cooler hose assembly accumulates 8 years or 1,000 hours TIS, whichever occurs first, replace the oil cooler hose assembly with a serviceable new or used TSO-C53a Type D oil cooler hose assembly or TSO-C53a Type C oil cooler hose assembly. If a used TSO-C53a Type C oil cooler hose assembly is installed, it must have documented hours TIS. If the newly installed oil cooler is a TSO-C53a Type C oil cooler hose assembly and it is mounted in a location other than at or aft of the rear of the engine the installation must meet the conditions listed in paragraphs (h)(2)(i) through (iii) of this AD.

(2) You may at any time before a TSO-C53a Type C oil cooler hose assembly exceeds the life limit in paragraph (j)(1) of this AD, replace a TSO-C53a Type C oil cooler hose assembly with a TSO-C53a Type D oil cooler hose assembly.

(3) If compliance with paragraphs (j)(1) or (j)(2) of this AD results in both oil cooler hose assemblies of an airplane meeting TSO-C53a Type D requirements, then the requirements of this AD are terminated for the airplane.

(k) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Atlanta Aircraft Certification Office (ACO), FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the ACO, send it to the attention of the person identified in paragraph (k) of this AD.

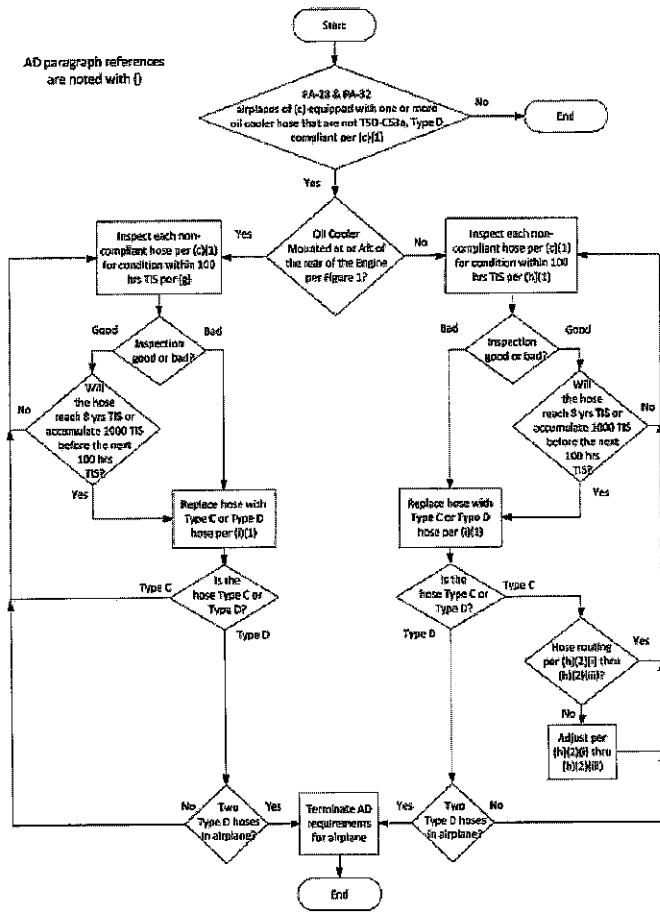
(2) Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(3) AMOCs approved for AD 95-26-13 (60 FR 67321, December 29, 1995) are not approved as AMOCs for the corresponding provisions of this AD.

(I) Related Information

For more information about this AD, contact Gary Wechsler, Aerospace Engineer, FAA, Atlanta Aircraft Certification Office, 1701 Columbia Avenue, College Park, Georgia 30337 telephone: (404) 474-5575 fax: (404) 474-5606 email: gary.wechsler@faa.gov.

Appendix 1 to AD 2017-14-04



Issued in Kansas City, Missouri, on June 29, 2017.
Pat Mullen,
Acting Manager, Small Airplane Directorate, Aircraft Certificati

TRADUCTION DE COURTOISIE

de la DIRECTIVE de NAVIGABILITE de l'EASA de référence 2017-14-04

PIPER AIRCRAFT, Inc.

Avions PA 28-100, PA 28-200, PA 28 R, PA 32 et PA 32 R

(a) Date d'entrée en vigueur

15 août 2017.

(b) ADs affectées

Cette AD remplace l'AD 95-26-13.

(c) Applicabilité

La présente Directive de Navigabilité (AD) s'applique aux avions Piper Aircraft, Inc. modèles PA-28-140, PA-28-150, PA-28-151, PA-28-161, PA-28-160, PA-28-180, PA-28-181, PA-28-235, PA-28-236, PA-28R-180, PA-28R-200, PA-28R-201, PA-28S-160, PA-28S-180, PA-32-260, PA-32-300, PA-32-301, PA-32-301T, PA-32R-300, PA-32R-301 (SP), PA-32R-301 (HP), PA-32R-301T, PA-32RT-300, PA-32RT-300T et PA-32S-300, tout numéro de série qui sont :

- (1) équipés d'une ou plusieurs durites de radiateur d'huile qui ne satisfait(ent) pas aux exigences du standard technique C53a (TSO-C53a) de type D, et,
- (2) certifiés toutes catégories.

(d) Sujet

ATA 79 Lubrification Moteur.

(e) Raison

L'AD 95-26-13 a été émise à la suite de nombreux accidents/incidents causés par la rupture ou la défaillance des durites de radiateur d'huile. L'émission de cette AD est incitée par les demandes de clarification sur l'intention de l'AD 95-26-13. Cette AD est émise pour prévenir toute rupture ou défaillance de durites de radiateur d'huile qui pourrait conduire à un arrêt moteur et une perte de contrôle de l'aéronef.

(f) Actions et délais d'application

Sauf si déjà effectuées, accomplir les actions rendues impératives dans les délais d'application spécifiés dans cette AD. Vous pouvez utiliser l'ogigramme en annexe 1 afin de vous aider à vous conformer aux actions de cette AD.

(g) Procédures d'inspection pour un radiateur d'huile monté sur le devant ou sur l'arrière du moteur

Pour toute durite de radiateur d'huile ne satisfaisant pas les exigences du TSO-C53a Type D : dans les prochaines 100 heures de temps de service [time-in-service] (TIS) après le 05 février 1996 (date d'entrée en vigueur retenue de l'AD 95-26-13), et répétitivement par la suite à des intervalles n'excédant pas 100 heures TIS, inspecter la gaine thermique de chaque durite de radiateur d'huile pour déceler des traces d'imbibition d'huile, une couleur brûlante ou blanchâtre et toute marque de fragilité ou de détérioration pouvant résulter d'une surchauffe ou d'une fuite d'huile.

Figure 1 to paragraphs (g) and (h) of this AD: Oil cooler
[voir AD FAA 2017-14-04]

Nota 1 aux paragraphes (g) et (h)(1) de cette AD : bien que non requis par cette AD, la FAA recommande d'effectuer un test de la flexibilité de la durite de radiateur d'huile à des intervalles de 100 heures TIS en soulevant doucement chaque durite de radiateur d'huile en plusieurs endroits le long de sa surface inférieure, idéalement au centre d'un arc. Si la durite de radiateur d'huile se déplace légèrement, d'un côté ou de l'autre côté ou vers le haut, cela signifie qu'il y a de la flexibilité. Si la durite de radiateur d'huile apparaît durcie ou inflexible, son remplacement est recommandé.

(h) Procédures d'inspection pour un radiateur d'huile monté autre part que sur le devant ou sur l'arrière du moteur

(1) Pour toute durite de radiateur d'huile ne satisfaisant pas les exigences du TSO-C53a Type D : dans les prochaines 100 heures de temps de service [time-in-service] (TIS) après le 05 février 1996 (date d'entrée en vigueur retenue de l'AD 95-26-13), et répétitivement par la suite à des intervalles n'excédant pas 100 heures TIS, inspecter la gaine thermique de chaque durite de radiateur d'huile pour déceler des traces d'imbibition d'huile, une couleur brunâtre ou blanchâtre et toute marque de fragilité ou de détérioration pouvant résulter d'une surchauffe ou d'une fuite d'huile. Voir "Figure 1 to paragraphs (g) and (h) of this AD" pour information complémentaire.

(2) Pour toute durite de radiateur d'huile ne satisfaisant pas les exigences du TSO-C53a Type D : dans les prochaines 100 heures de temps de service [time-in-service] (TIS) après le 05 février 1996 (date d'entrée en vigueur retenue de l'AD 95-26-13), et répétitivement par la suite à des intervalles n'excédant pas 100 heures TIS, inspecter les durites de radiateur d'huile pour s'assurer que les conditions d'installation des paragraphes (h)(2)(i) à (iii) de cette AD sont respectées. Voir "Figure 1 to paragraphs (g) and (h) of this AD" pour information complémentaire. Si les conditions listées aux paragraphes (h)(2)(i) à (iii) de cette AD ne sont pas respectées, avant le prochain vol, effectuer tout réglage nécessaire. Voir "Figure 2 to paragraph (h)(2) of this AD" pour information complémentaire.

- (i) Les durites de radiateur d'huile passent dessous et derrière le câblage électrique de métallisation et devant la partie inférieure des deux supports moteur.
- (ii) Les durites de radiateur d'huile sont attachées au bâti moteur et une clairance d'au moins 2 pouces subsiste entre les durites de radiateur d'huile et les pipes d'échappement.
- (iii) Les durites de radiateur d'huile ayant un diamètre extérieur minimum de 0,75 pouce sont installées avec un rayon de cintrage d'au moins 6,5 pouces.

Figure 2 to paragraph (h)(2) of this AD: Acceptable clearances
[voir AD FAA 2017-14-04]

(i) Actions correctives

(1) Si l'une des conditions décrites au paragraphe (g) ou (h)(1) de cette AD est décelée sur une durite de radiateur d'huile durant l'inspection requise au paragraphe (g) ou (h)(1) de cette AD, selon applicabilité, avant le prochain vol, remplacer la durite de radiateur d'huile par une nouvelle pièce en état de navigabilité ou une durite de radiateur d'huile usagée TSO-C53a Type D ou une durite de radiateur d'huile TSO-C53a Type C. Si une durite de radiateur d'huile usagée TSO-C53a Type C est installée, il est impératif de documenter les heures TIS.

Nota 2 aux paragraphes (i)(1) et (j) de cette AD : si une seule des deux durites de radiateur d'huile exige d'être remplacée, la FAA recommande de remplacer les deux durites de radiateur d'huile pour simplifier la traçabilité des heures TIS des durites.

(2) Si une durite de radiateur d'huile neuve installée est une durite de radiateur d'huile TSO-C53a Type C et que celle-ci est montée autre part que sur le devant ou sur l'arrière du moteur, alors le remplacement de cette durite de radiateur d'huile doit satisfaire les conditions listées aux paragraphes (h)(2)(i) à (iii) de cette AD.

(3) Si les exigences aux paragraphes (i)(1) ou (i)(2) de cette AD sont conformes par l'installation de durites de radiateur d'huile satisfaisant les exigences du TSO-C53a Type D pour un aéronef, alors les exigences de cette AD sont réputées terminées pour cet aéronef.

(j) Limites de vie des durites de radiateur d'huile TSO-C53a Type C

(1) Lorsqu'une durite de radiateur d'huile TSO-C53a Type C a accumulée 8 ans ou 1000 heures TIS, à la première échéance atteinte, remplacer la durite de radiateur d'huile par une nouvelle pièce en état de navigabilité ou une durite de radiateur d'huile usagée TSO-C53a Type D ou une durite de radiateur d'huile TSO-C53a Type C. Si une durite de radiateur d'huile usagée TSO-C53a Type C est installée, il est impératif de documenter les heures TIS. Si la durite neuve installée est une durite de radiateur d'huile TSO-C53a Type C et que celle-ci est montée autre part que sur le devant ou sur l'arrière du moteur, l'installation doit satisfaire les conditions listées aux paragraphes (h)(2)(i) à (iii) de cette AD.

(2) Vous pouvez à n'importe quelle échéance avant qu'une durite de radiateur d'huile TSO-C53a Type C n'excède la limite de vie au paragraphe (j)(1) de cette AD, remplacer une durite de radiateur d'huile TSO-C53a Type C par une durite de radiateur d'huile TSO-C53a Type D.

(3) Si les exigences aux paragraphes (j)(1) ou (j)(2) de cette AD sont conformes par l'installation de durites de radiateur d'huile satisfaisant les exigences du TSO-C53a Type D pour un aéronef, alors les exigences de cette AD sont réputées terminées pour cet aéronef.

(k) Méthodes alternatives de conformité (AMOCs)

[...]

(l) Information

[...]

Appendix 1 to AD 2017-14-04
[voir AD FAA 2017-14-04]

PIPER AIRCRAFT
PA-28-181
AIRPLANE MAINTENANCE MANUAL

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.)

1. Place airplane on jacks. (Refer to chapter 7.)
2. Place drip pan under main gear to catch spillage.
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.

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

32-10-00

Page 1

Reissued: July 30, 1994

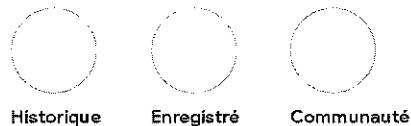
≡ Google Traduction

[Connexion](#)[ANGLAIS](#)[FRANÇAIS](#)**NOTE**Oleo

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

NOTEOléo

la réparation est limitée au lissage des égratignures et des égratignures mineures et bosses, et remplacement de pièces.

[Envoyer des commentaires](#)

Historique

Enregistré

Communauté

1. Approving Civil Aviation Authority/County: FAA / UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE			3. Form Tracking Number: 002584
4. Organization Name and Address: Aero Accessories, LLC. - 1240 Springwood Church Road - Gibsonville NC 27249 FAA-PMA P01206CE YV4R688M	5. Work Order/Contract/invoice Number: P.O. # P410020 Page 1 of 3			
6. Item 1	7. Description See Block 12	8. Part Number See Block 12	9. Quantity See Block 12	10. Serial Number N/A or See Block 12
11. Status / Work NEW				
12. Remarks AIRWORTHINESS APPROVAL - ARTICLE PARTS LISTED ARE NOT CRITICAL COMPONENTS.				
Quantity	Description	Part Number	Serial #	
300	OIL FILTER 3/4 MALE SHORT	AA481102		
500	FILTER	ARB3-5-1	1-T	
82	OIL FILTER 3/4 FEMALE SHORT	AA48108-2	1-N	
168	OIL FILTER 3/4 FEMALE SHORT	AA48108-2	1-N	
200	OIL FILTER 3/4 FEMALE LONG	AA48109	1-L	
100	FILTER	AA2J4-7	1-B	
48	3/4-20 THREAD MASSIVE ELECTRODE	URHM40E	00GB	
20	3/4-20 THREAD FINE WIRE ELECTRODE	URHB32S	00E7	
30	3/4-20 THREAD FINE WIRE ELECTRODE	URHM38S	0065	
30	SIX PACK OIL FILTER 3/4 FEM LONG	AA48109 (6 PACK)	1-L	
20	SIX PACK OIL FILTER 13/16 FEMALE	AA48103-2 (6 PACK)	1-F	
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				
13b. Authorized Signature: <i>Taylor W. Phillips</i>	13c. Approval / Authorization No.: 047586858	13d. Name (Typed or Printed) Taylor W. Phillips	13e. Date (dd/mm/yyyy) 29/Mar/2018	14a. Approval/Authorization No. 14b. Signature 14c. Name (Type or Print) 14d. Date (dd/mm/yyyy)
<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 engine(s)/propeller(s)/article(s) from the airworthiness authority of the Country specified in Block 1.</p> <p>Statement 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>				



Company
Align Aerospace Main CDC
21123 Nordhoff Street
CHATSWORTH CA 91311
USA

Page 1 of 1
07/24/2017

PACKING SLIP

Sold To Party
AVIALL SERVICES, INC.
PO BOX 619048
DALLAS TX 75261
USA
9724062000
katherine.bell@alignaero.com

Ship To Party
AVIALL CENTRAL WAREHOUSE
2750 REGENT BLVD
DFW AIRPORT TX 75261
USA

Information

Packing Slip No.	81689291
Document Date	07/20/2017
Customer PO No.	45657256
Customer PO Date	05/09/2017
Sales Order No.	550793
Sales Order Date	05/11/2017
Customer No.	2004461
Ship Via	Fedex ground
Shipping Conditions	Standard
Incoterms	FOB SHIPPOINT
Delivery Date	08/03/2017
Total Boxes	51
Contact Info.	

Item	Material/Description	Ordered Qty	Qty Shipped	Balance Due	Weight
123985630					
MS51958-63	SCREW-PAN HEAD,CROSS RECESS,CRES	5,000.00 EA	5,000.00 EA	0.00 EA	1,140 LB
Batch 0000137818					
BUYER: LANA TUMMONS/REJOE JACOB					
PO 45657256					
PLEASE PACKAGE 100EA PER BAG					
Characteristics					
Cert Code at Batch Level DTC					
Country of origin of material US					
Manufacturer Name CRESCENT					
Vendor Batch Number 95955					
Revision of Material in batch 2					
CAGE Code -Ext mfg number					
CE3020					

Photocopie effectuée le 27/07/2018
au titre : l'un déclotisement de 1 pièce(s)
sur un total de 5000 pièces
par SN de la société ATIS.

**ATIS OE
FR.145.566
DDU**

ITEM MS51958-63=28

BATCH 7364611026

FBROWN
07/27/17

This document shown in US currency. The commodities sold by Align must be exported from USA in accordance with US Export law / regulations. Diversion contrary to USA law is prohibited. Tax ID:

These items are controlled by the U.S. government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

CERTIFICATE OF CONFORMANCE

The manufacturer has represented products furnished in this shipment as conforming to applicable drawings and specifications. Required supporting evidence is available at Align Aerospace or source of Purchase upon request, subject to a fee.

DIRECTOR OF QUALITY

Ronald Basque

No. 95955

CERTIFICATE OF COMPLIANCE
TEST REPORT

MADE IN THE U.S.A.

CUSTOMER NAME Align Aerospace Hardware
PART NO. MSEN98B-63*
NAS1695.3-8 REV 5

PURCHASE ORDER NO. 4800001683
INTERNAL ROUTING NO. 51533-01
QUANTITY FIFTY THOUSAND
MATERIAL SPECIFICATION .173 302SS M RESOURCE 472476

PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SPECIFICATIONS.

PHYSICAL PROPERTIES

TENSILE STRENGTH HARDNESS SCALE

1) 2123.0 LB/T
2) 2104.0 LB/T
3) 2119.0 LB/T
4) 2132.0 LB/T
5) 2142.0 LB/T
6) 2122.0 LB/T
7) 2127.0 LB/T
8) 2104.0 LB/T
9)
10)

ALIGN AEROSPACE

CERT ACCEPTANCE

CODE DTC

DATE MAR 15 2017

APPROVAL

ALIGN
49

OTHER MECHANICAL TEST DATA

MEET MAGNETIC PERMEABILITY REQUIREMENTS OF FF-S-92E,
ML4-1721-B, AND ASTM A342M TEST METHOD 3.

PARTS ARE FREE FROM MERCURY AND ASBESTOS CONTAMINATION.
PART(S) COVERED UNDER THIS CERTIFICATION ARE CONFLICT MINERAL FREE AND IN
COMPLIANCE WITH THE DOD-FRANK ACT.
VISUAL AND DIMENSIONAL INSPECTION SATISFACTORY.

FINISH

PASSIVATE ANS2700 MTHD 1 TYPE 67 CL 10Q4-P-35

INSPECTED TO ZERO ACCEPTANCE SAMPLE INDEX VALUE 2.5

ADDITIONALLY, AN ANSI/ASQC Z1.4 SAMPLE OF THE FINISHED
FASTENERS WERE TESTED IN ACCORDANCE WITH APPLICABLE
SPECIFICATIONS. SAMPLE PARTS AND THE TEST DATA ARE IN OUR
RECORDS RETENTION AREA AS OBJECTIVE EVIDENCE AND WILL BE

OTHER TESTING:

CRESCENT MANUFACTURING OPERATING CO.

700 George Washington Turnpike, Burlington, CT 06013, U.S.A.
Telephone: (860) 673-2591 Fax: (860) 673-5973

Signature

RYAN PALLIMBO - QUALITY

Logo Code #85020

ATTS OE
FR.145.566
DDU

1. Approving Civil Aviation Authority/Country: FAA / UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE	3. Form Tracking Number: 045149			
4. Organization Name and Address: Aero Accessories, Inc. - 1240 Springwood Church Road - Gibsonville NC 27249 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG YV4R688M	5. Work Order/Contract/Invoice Number: P.O. # PA04809	6. Remarks			
6. Item 1	7. Description See Block 12	8. Part Number See Block 12	9. Quantity See Block 12	10. Serial Number N/A or See Block 12	11. Status / Work NEW

AIRWORTHINESS APPROVAL - ARTICLE
PARTS LISTED ARE NOT CRITICAL COMPONENTS.

Quantity	Description	Part Number	Serial #
60	SIX PACK OIL FILTER 3/4 FEM SHORT	AA48108-2 (6 PACK)	
300	OIL FILTER 3/4 MALE SHORT	AA48110-2	
100	SIX PACK OIL FILTERS 3/4 MALE SHORT	AA48110-2 (6 PACK)	
.50	FILTER	AAD9-14-5	
100	FILTER	AAD9-18-1	

Photocopie effectuée le 31/12/2018
au titre d'un délotissement de 1 pièce(s)
sur un total de 100 pièces
par N/AE de la société ATIS

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
13b. Authorized Signature: <i>Taylor W. Phillips</i>	13c. Approval / Authorization No. : 047586858	13d. Name (Typed or Printed) Taylor W. Phillips
13e. Date (dd/mm/yyyy) 08/Nov/2017	13f. Name (Typed or Printed) Taylor W. Phillips	13g. Approval / Installation No. 047586858

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 county 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 Block 1.

Statement 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 before the aircraft may be flown.

4

1. Approving Civil Aviation Authority/Country: FAA / UNITED STATES	2. AUTHORIZED RELEASE CERTIFICATE		3. Form Tracking Number: 000406
4. Organization Name and Address:	Aero Accessories, LLC. - 1240 Springwood Church Road - Gibsonville, NC 27249 FAA-PMA PQM206CE YV4R688M		
5. Work Order/Contract/Invoice Number: P.O. # 45782423	6. Item Description See Block 12		
7. Remarks	8. Part Number ARB3-5-1	9. Quantity 400	10. Serial Number 10261701
11. Status / Work NEW			
12. Remarks AIRWORTHINESS APPROVAL - ARTICLE PARTS LISTED ARE NOT CRITICAL COMPONENTS.			
Quantity	Description	Part Number	Serial #
3600	FILTER	ARB3-5-1	100211702
400	FILTER	ARB3-5-1	102611701
Photocopy effectuée le <u>31/12/2018</u> au titre d'un délotissement de <u>1</u> pièce(s) sur un total de <u>3600</u> pièces par <u>NCE</u> de la société ATIS			
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			
13b. Authorized Signature: <u>Taylor W. Phillips</u>		13c. Approval / Authorization No.: 047586858	
13d. Name (Typed or Printed) Taylor W. Phillips		13e. Date (dd/mm/yyyy) 19/Jan/2018	

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 engines/propeller(s) from the airworthiness authority of the country specified in Block 1.

Statement 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.

1. Approving Civil Aviation
Authority/Country: FAA/United States

2. AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
7364763331 1000000039904729

4. Organization Name and Address: AVIALL SERVICES INC.
2750 REGENT BLVD
DFW AIRPORT, TX 75261

5. Work Order/Contract/Invoice Number:
CF678

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1.	FILTER	ARB3-5-1	10	N/A	NEW

12. Remarks:

MQ
DON
0903

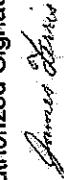
THIS PMA PART IS NOT A CRITICAL COMPONENT.
THE PRODUCT(S)/ARTICLE(S) SHIPPED UNDER THIS APPROVAL WERE PRODUCED
BY AERO ACCESSORIES, LLC.

13a. Certifies the items identified above were manufactured in conformity
to:

- Approved design data and are in a condition for safe operation.
 Non-approved design data specified in Block 12.

14a. 14 CFR 43.9 Return to Service 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 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:


726425056

14c. Approval/Certificate No.:

726425056

14d. Name (Typed or Printed):

JAMES FERRIS

14e. Date (dd/mm/rr/yyy):

07 MAR 2018

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 aircraft may be flown.

B130-3 FORM REQUIRED SHIP/FEDEX GROUND # 075268572							
Ship Date	Customer PO	# of Boxes	Weight	Ship VIA	Bill of Lading	F O B	Item
01/19/2018	45782423	0	0.00000	Federal Express	962242320005104489	OUR PLANT	Item
000001	ARO	ASB3-5-1	Sales Order 000298-00	Rev A	Unit EA	4,000.00000	Order Quantity
		FLTTER	10021702	10261701	QTY 3600.00000	400.00000	Ship Quantity
		LD/NSN(s)					

SHIP TO : AVAILL SERVICES INC.
7750 REGENT BLVD
PO BOX 842257
DALLAS TX 75261
United States
Sold to : AVAILL SERVICES INC.
Customer No 000066
Sales Order Shipper

TEMPESTAERO GROUP

 Shipping List 000406
 Customer No 000066
 Sales Order Shipper

01/26/18
EPATTERSON

BATCH 7364/6553

TEM ARB3-6-1=4K

[View all posts](#) | [View all categories](#)

FED EX 9622042320000510448900414510565212

SHIP FedEx GROUND #075

Ship Date	Customer PO	# of Boxes	Weight	Ship VIA	Bill of Lading	FOB
01/19/2018	45782423	0	0.00000	Federal Express	962204232000510439	OUR PLANT
Item	ARO	Fac / Part / Rev / Description / Details			Order Quantity	Ship Quantity
	ABE-6-1	Sales Order 800292-00 Item 002			4,000.00000	4,000.00000
000001	ARO	10021702	Qty 3800.00000	Rev A U/M EA	400.00000	4,000.00000
L0WSNS(S)	FLTER	10261701				

SHIP TO: AMALI SERVICES INC.

10000000 111111

Sales Order Shipment

• 100 •

Customer No. 000000
Shipping List 000-000



Certificate of Conformance

RAYMOND 
MORE THAN FASHION

 **TINNERMAN**
A RAYMOND TINNERMAN
INDUSTRIAL
1060 West 130th Street
Brunswick OH 44212
US

Ship To:
BLD INDUSTRIES
800 CLEARWATER LOOP
POST FALLS ID 83854

Delivery: 871B8827
Ship Date: 09/30/2016

Line	Part Number	Description	Customer Part	Mfg Date	Lot Number	Material Description	Purchase Order	Quantity
1	136387001	SPEED NUT U TYPE	A1785-6Z1D	09/22/16	0004018452	90629		56,000

Photocopy effectuée le 31/12/2013
au titre d'un délotissement de 2 pièce(s)
sur un total de 1500 pièces
par N.C. de la société ATIS

This certificate of conformance confirms the material described above was processed, inspected and found to meet the requirements of the drawing(s) and specification(s) listed in our control plan and no changes to the design, raw materials, place/method of manufacturing or testing have occurred other than as concurred to in our PAP.

Date: 09/30/16

Signature: 

Quality Representative

CUST PO NO
45629770
PROD DATE
10/05/01

卷之三

AVAIL SERVICES
AVAIL CENTRAL WAREHOUSE
2750 REGENT BOULEVARD
DETROIT AIRPORT

CUSTOMER BILL TO ADDRESS

ALL SERVICES, INC.
ATTN: AD DEPT
BOX 619045
ATLANTA

ITEM LOC	CITY ORDERED	ITEM NO.	QTY	UNIT	ITEM NAME
		1500	1	PC	1500

STATE	CITY ORDERED	STATE	CITY ORDERED
STATE	CITY ORDERED	STATE	CITY ORDERED
ALA.	MONROVIA	IND.	INDIANAPOLIS
ARIZ.	PHOENIX	KAN.	TOPEKA
CALIF.	SACRAMENTO	KY.	LAWRENCE
CONN.	HARTFORD	LOUISIANA	BATON ROUGE
DELA.	PHILADELPHIA	MASS.	BOSTON
FLA.	MONTGOMERY	MISS.	JACKSON
GEORGIA	ATLANTA	NEVADA	SPRINGFIELD
HAWAII	HONOLULU	N.H.	CONCORD
IDAHO	BOISE	N.J.	NEWARK
ILLINOIS	SPRINGFIELD	N.M.	ALBUQUERQUE
IND.	INDIANAPOLIS	N.Y.	ALBANY
KANSAS	TOPEKA	PACIFIC ISLANDS	NAURU
KENTUCKY	LAWRENCE	PENNSYLVANIA	PHILADELPHIA
Louisiana	BATON ROUGE	P.R.	SAN JUAN
MAINE	PORTLAND	TEXAS	AUSTIN
MASS.	BOSTON	VERMONT	Montpelier
MINN.	ST. PAUL	WASH. D.C.	WASHINGTON
MISS.	JACKSON	WISCONSIN	MADISON
MISSOURI	JEFFERSON CITY	WYO.	CHEYENNE
NEBRASKA	OMAHA		
NEVADA	SPRINGFIELD		
NEW HAMPSHIRE	CONCORD		
NEW JERSEY	NEWARK		
NEW MEXICO	ALBUQUERQUE		
NEW YORK	ALBANY		
North Carolina	RALEIGH		
North Dakota	BISMARCK		
OREGON	SACRAMENTO		
PENNSYLVANIA	PHILADELPHIA		
P.R.	SAN JUAN		
R.I.	PROVIDENCE		
South Carolina	COLUMBIA		
South Dakota	BISMARCK		
TENNESSEE	NASHVILLE		
TEXAS	AUSTIN		
Utah	SALT LAKE CITY		
VIRGINIA	RICHMOND		
WA.	SEATTLE		
WISCONSIN	MADISON		
WYO.	CHEYENNE		

CERTIFICATE OF CONFORMANCE	
HEREBY CERTIFY THAT THE MERCHANDISE INCLUDED ON THIS FORM IS CONFORMANT WITH THE APPLICABLE SPECIFICATIONS AND OR DRAWINGS	
ITEM NO.	DESCRIPTION
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100
101	101
102	102
103	103
104	104
105	105
106	106
107	107
108	108
109	109
110	110
111	111
112	112
113	113
114	114
115	115
116	116
117	117
118	118
119	119
120	120
121	121
122	122
123	123
124	124
125	125
126	126
127	127
128	128
129	129
130	130
131	131
132	132
133	133
134	134
135	135
136	136
137	137
138	138
139	139
140	140
141	141
142	142
143	143
144	144
145	145
146	146
147	147
148	148
149	149
150	150
151	151
152	152
153	153
154	154
155	155
156	156
157	157
158	158
159	159
160	160
161	161
162	162
163	163
164	164
165	165
166	166
167	167
168	168
169	169
170	170
171	171
172	172
173	173
174	174
175	175
176	176
177	177
178	178
179	179
180	180
181	181
182	182
183	183
184	184
185	185
186	186
187	187
188	188
189	189
190	190
191	191
192	192
193	193
194	194
195	195
196	196
197	197
198	198
199	199
200	200
201	201
202	202
203	203
204	204
205	205
206	206
207	207
208	208
209	209
210	210
211	211
212	212
213	213
214	214
215	215
216	216
217	217
218	218
219	219
220	220
221	221
222	222
223	223
224	224
225	225
226	226
227	227
228	228
229	229
230	230
231	231
232	232
233	233
234	234
235	235
236	236
237	237
238	238
239	239
240	240
241	241
242	242
243	243
244	244
245	245
246	246
247	247
248	248
249	249
250	250
251	251
252	252
253	253
254	254
255	255
256	256
257	257
258	258
259	259
260	260
261	261
262	262
263	263
264	264
265	265
266	266
267	267
268	268
269	269
270	270
271	271
272	272
273	273
274	274
275	275
276	276
277	277
278	278
279	279
280	280
281	281
282	282
283	283
284	284
285	285
286	286
287	287
288	288
289	289
290	290
291	291
292	292
293	293
294	294
295	295
296	296
297	297
298	298
299	299
300	300
301	301
302	302
303	303
304	304
305	305
306	306
307	307
308	308
309	309
310	310
311	311
312	312
313	313
314	314
315	315
316	316
317	317
318	318
319	319
320	320
321	321
322	322
323	323
324	324
325	325
326	326
327	327
328	328
329	329
330	330
331	331
332	332
333	333
334	334
335	335
336	336
337	337
338	338
339	339
340	340
341	341
342	342
343	343
344	344
345	345
346	346
347	347
348	348
349	349
350	350
351	351
352	352
353	353
354	354
355	355
356	356
357	357
358	358
359	359
360	360
361	361
362	362
363	363
364	364
365	365
366	366
367	367
368	368
369	369
370	370
371	371
372	372
373	373
374	374
375	375
376	376
377	377
378	378
379	379
380	380
381	381
382	382
383	383
384	384
385	385
386	386
387	387
388	388
389	389
390	390
391	391
392	392
393	393
394	394
395	395
396	396
397	397
398	398
399	399
400	400
401	401
402	402
403	403
404	404
405	405
406	406
407	407
408	408
409	409
410	410
411	411
412	412
413	413
414	414
415	415
416	416
417	417
418	418
419	419
420	420
421	421
422	422
423	423
424	424
425	425
426	426
427	427
428	428
429	429
430	430
431	431
432	432
433	433
434	434
435	435
436	436
437	437
438	438
439	439
440	440
441	441
442	442
443	443
444	444
445	445
446	446
447	447
448	448
449	449
450	450
451	451
452	452
453	453
454	454
455	455
456	456
457	457
458	458
459	459
460	460
461	461
462	462
463	463
464	464
465	465
466	466
467	467
468	468
469	469
470	470
471	471
472	472
473	473
474	474
475	475
476	476
477	477
478	478
479	479
480	480
481	481
482	482
483	483
484	484
485	485
486	486
487	487
488	488
489	489
490	490
491	491
492	492
493	493
494	494
495	495
496	496
497	497
498	498
499	499
500	500
501	501
502	502
503	503
504	504
505	505
506	506
507	507
508	508
509	509
510	510
511	511
512	512
513	513
514	514
515	515
516	516
517	517
518	518
519	519
520	520
521	521
522	522
523	523
524	524
525	525
526	526
527	527
528	528
529	529
530	530
531	531
532	532
533	533
534	534
535	535
536	536
537	537
538	538
539	539
540	540
541	541
542	542
543	543
544	544
545	545
546	546
547	547
548	548
549	549
550	550
551	551
552	552
553	553
554	554
555	555
556	556
557	557
558	558
559	559
560	560
561	561
562	562
563	563
564	564
565	565
566	566
567	567
568	568
569	569
570	570
571	571
572	572
573	573
574	574
575	575
576	576
577	577
578	578
579	579
580	580
581	581
582	582
583	583
584	584
585	585
586	586
587	587
588	588
589	589
590	590
591	591
592	592
593	593
594	594
595	595</td

SONG
5748
CLEARAWAY
JAZZ

CLEARWATER DOOR

MAIL SERV INC.
MAUL CENTRAL WAREHOUSE
50 PERCENT BOURGEOIS
WATSON, TX 75261

卷之三

4562970	A 3100	NW	DISCH
	DISCHARGE		

ITEM NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
-4562970	ROUNDRON	1	PC	45.00	45.00

EM A11785-87 D=28

04/31 CUST NO. DESCRIPT

DATE	APR 05 2017	RECEIVED BY	SHIPPING
PERFORMANCE	3122	SHIPMENT NO.	

547463
SONG
SIGHT-READING
8000 GLENWATER LANE

SOCIAL WATER LOOP

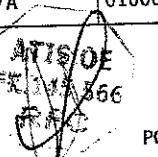
VIALL SERVICES, INC.
VIALL CENTRAL WAREHOUSE
1750 REVENT BULEVARD
SAN ANTONIO, TEXAS 78216

卷之三

THE WILHELM

卷之三

Part Submission Worksheet			
Part Name:	Speed Nut - Uv Type		
Shown On Drawing No.:	1363870-01		
Cust Part Number:	A1786-AZ1D		
Enginering Change Level:	U6		
Additional Engineering Changes:	N/A		
Serial/Part/Commodity Revision:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Checkin Aid No.:	N/A		
Checkin Aid Engineering Change Level:	N/A		
Checkin Aid Date:	N/A		
Checkin Aid Month/Year:	0024		
Customer Manufacturing Information	A. Organization Information		
B. Submitter Information			
ISO Part Number:	09805363	Submitter Name & Organization:	TDG/West (SDM, SL)
Street Address:			
City:	Tucson, Arizona		
State/Province:	USA		
Country:	United States		
C. MATERIALS REPORTING			
Has customer-required Submitter's Code or Complain Information been reported?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Submitted by Mfg. or other customer name:			
D. REASON FOR SUBMISSION (Check at least one)			
Are purchased parts delivered with appropriate ISO marking codes?			
<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
E. SUBMISSION RESULTS			
Level 1 - Written any time to designated supplier teams, an appropriate Action Report submitted to customer.			
Level 2 - Written any time to designated supplier teams, an appropriate Action Report submitted to customer.			
Level 3 - Written any time to designated supplier teams, an appropriate Action Report submitted to customer.			
Level 4 - Written any time to designated supplier teams, an appropriate Action Report submitted to customer.			
Level 5 - Written any time to designated supplier teams, an appropriate Action Report submitted to supplier's manufacturing location.			
F. DOCUMENTATION			
These results are for: <input checked="" type="checkbox"/> dimensionless measurements <input type="checkbox"/> material and dimensional tests <input type="checkbox"/> specification checks <input type="checkbox"/> statistical process packages			
These results meet all design requirements. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (<input type="checkbox"/> NO) -Explanation Required			
Model / CAD / FEA / Simulation Process <input type="checkbox"/> Actual			
G. DECLARATIONS			
I affirm that the samples presented by the vendor are representative of our parts, which were made by a process that meets all Production Part Approval Processes required by the customer. I further affirm that these samples were produced at the production rate of 10,000's/hour.			
I also certify that documentation evidence of such compliance is on file and available for review. I have read any documents from the customer below.			
Organizational Authorized Signature <i>D. Johnson</i>			
Print Name: Dennis Johnson			
Customer Signature: <i>D. Johnson</i>			
Customer Telephone: 330-220-5706			
Phone No.: 330-220-5706			
Fax No.: 330-220-5757			
Date: 10/27/15			
Title: PPA Coordinator			
Email: dennis.johnson@airgymond.com			
PPA Partner Designation: <input type="checkbox"/> Approved <input type="checkbox"/> Rejected <input type="checkbox"/> Other			
FOR CUSTOMER USE ONLY (If applicable)			
Customer Tracking Number (optional)			
Comments:			

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 1947978	
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: 809394	
ITEM: 6 ORDER: 1947978N/ PN: 105-00200 DESC: RIVET QTY: 6 U/M: EA	6	7. Description: RIVET	8. Part Number: 105-00200	9. Eligibility: N/A	10. Quantity: 01000	11. Serial/Batch Number: N/A	12. Status/Work: New
3. Remarks: EXPORT UNITED STATES <div style="text-align: center; margin-top: 10px;">  PO# 013728 </div>							
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: <i>Kenneth E. Wysocki</i>		16. Approval/Authorization No.: 100129CE					
17. Name (Typed or Printed): KENNETH E. WYSOCKI SR., ODAF		18. Date (m/d/y): MAR/14/2008		22. Name (Typed or Printed): ATIS		23. Date (m/d/y): MAR/14/2008	
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 higher airworthiness authority accepts parts/components/assembly 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. <small>* Installer must cross-check eligibility with applicable technical data.</small>							
FAA Form 8130-3 (6-01)							

NSN: 0052-00-012-9005

Photocopie effectuée le 31/12/18
 au titre d'un délotissement de 2 pièce(s)
 sur un total de 1000 pièces
 par N.P.C. de la société ATIS

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	
3. Form Tracking Number: 2722109		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: 1010255		6. Work Order/Contract/Invoice Number: 1010255	
7. Item:		8. Part Number: 066-10500	
9. Description: LINING		10. Quantity: N/A	
11. Serial/Batch Number: 1		12. Status/Work: New	
13. Remarks: ATIS OF FR 145566 RFC			
14. Certificate 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: 			
16. Approval/Authorization No.: KEN-20140422		17. Date (month): APR/23/2010	
18. Date (month): APR/23/2010		19. Installation Period: 24 months from date of issue	
20. User/Installer Responsibilities: It is important to understand that the existence of this document does not automatically constitute authority to install the part/component as assembly. When the user/installer performs work in accordance with the national regulations or an airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that neither airworthiness authority accepts part/component as assemblies from the environment authority in Blocks 4 and 10 to not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certificate issued in accordance with the national regulations by the user/installer before the aircraft may fly.		21. Installation Period: 24 months from date of issue	
22. Item: ITEM: 2722109		23. PN: 066-10500	
24. Order: ORDER: 2722109N/LOT: N/A		25. Desc: LINING	
26. City: U/M: A		27. U/M:	

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 2722109
4. Organization Name and Address: Cessna Aircraft Company (PCA) Cessna Parts Distribution Dept 702 5800 E Pawnee, Wichita, KS 67218		5. Work Order/Contract/Invoice Number: 1010255		6. Serial/Batch Number: New
6. Item: 3 LINING		7. Description: 066-10500	8. Part Number: FR145566	9. Building: 1
10. Quantity: N/A		11. Serial/Batch Number: 1	12. Status/Work: N/A	
 EXPORT UNITED STATES				
P0# 027936				
<p>14. Certification: The items identified above were manufactured in conformance 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-CE</p> <p>17. Name (Type or Printed): KENNETH E. WYSOKI SR.</p> <p>18. Date (Friday): APR/23/2010</p>				
<p>ITEM: 3 LINING PN: 066-10500 ORDER: 2722109SN/L01 N/A DESC: LINING</p>				

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Item Tracking Number: 2722109	
4. Organization Name and Address: Cessna Aircraft Company (PC4) Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218		5. Item: 7. Description: 3 LINING		6. Part Number: 8. Eligibility: 066-10500 N/A	
9. Item Category/Contractor/Employee Number: 1010255		10. Serial/Batch Number: 1		11. Quantity: 1 N/A	
12. Status/Work: New					
 					
PO# 027936					
EXPORT UNITED STATES					
Kenneth E. Wysocki, Sr.					
KENNETH E. WYSOCKI SR.					
APR/23/2010					
14. Certifies the name identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved Design State and are in a condition for safe operation. <input type="checkbox"/> Non-specified design data specified in Block 13.					
15. Authorized Signature:					
16. Approval/Authorization No.: ODA-1001129-CE					
17. Name (Printed): APR/23/2010					

Photocopie effectuée le 31/12/18
au titre d'un délotissement de 2 pièce(s)
sur un total de 100 pièces
par M2 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: ST0900701
4. Organization Name and Address: Piper Aircraft, Inc. 2925 Piper Drive Vero Beach, FL 32960 USA		5. Work Order / Contract / Invoice Number: ST0900701 / 210008000 / SH0086638		Page: 1 of 1
6. Item:	7. Description:	8. Barnt Number:	9. Quantity:	10. Serial Number:
10	WIPER STRIP	187-625	100	N/A
<p>Photocopie effectuée le <u>21/01/15</u> au titre d'un démontissage de <u>1</u> pièce(s) sur un total de <u>100</u> pièces Par <u>Noe</u> <u>de la Société ATTIS</u></p>				
12. Remarks: Airworthiness Approval		47 Ft. Expires on 3-31-31 53 Ft. Expires on 6-16-31		
13a. Certifies the items identified above were manufactured in conformity to:		<input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service / <input type="checkbox"/> Other regulation specified in Block 12 / <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.		
13b. Authorized Signature:		13c. Approval/Authorization No:	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.	
13d. Name (Typed or Printed): <i>James Wilson</i>		13e. Date (dd/mm/yyyy): 18/Nov/2016	14c. Approval/Certificate No.: 14d. Name (Typed or Printed): Wilson, James 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. 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/propellers/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 before the aircraft may be flown.</p>				

1. Approving Civil Aviation Authority/Country: FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 7364427743 1000000027655063
4. Organization Name and Address: AVIALL SERVICES INC. 2750 REGENT BLVD DFW AIRPORT, TX 75261				5. Work Order/Contract/Invoice Number: CF603
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:
1.	STRIP WIPER	187-625	2	N/A
11. Status/Work: NEW				
12. Remarks: MQ DON 0836				
THE PRODUCT(S)/ARTICLE(S) SHIPPED UNDER THIS APPROVAL WERE PRODUCED BY PIPER AIRCRAFT INC.				
SHELF LIFE EXPIRATION DATE: 31 MAR 2031				
13a. Certifies the items identified above were manufactured in conformity to:			<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.:	14b. Authorized Signature:
13d. Name (Typed or Printed): JAMES FERRIS			13e. Date (dd/mm/yyyy): 11 JAN 2017	14d. Name (Typed or Printed): 
14e. Date (dd/mm/yyyy):				
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. 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>				

Form No. 012-3127 Rev. 07/2014

Piper Parts Limited Warranty: <http://www.piper.com/warranty/>

Material herein has been made in accordance with all federal wage and hour laws. The parts listed on this document were produced and/or supplied under FAA Production Certificate 206.

RENTER/PAYMENT TO:
Piper Aircraft, Inc.
2926 Piper Drive
Vero Beach, FL 32960-1964

NOTE:



Line Order	Item	Ship Date	Order Qty	Unit	Description	Qty Shipped	Backorder	P/L Rec'd Date
27	ST0900701 187-625	12-02-2016	100.00	ft	WIPER STRIP	100.00		12-02-2016

S/N (47FT) 3-2031 (S3FT) 6-2031
HARMC 8512.40.4000 SCHB 8512.40.4000 ECN 94991.d Shelf Life 15 Years Country USA

Shipment Reference : SH0086638 11/22/2016

Customer Order No.	Batch	Ship Via	Ship Date	Point of Origin	FedEx Ground	12-02-2016	Vero Beach, FL 32960 USA	Article/S/N :
0045520739								

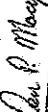
210008000 AMERICAN CENTRAL MARKHOUSE
AMERICAN CENTRAL MARKHOUSE
2750 REGENT BLVD, DFW AIRPORT, Dallas, TX, 75261, USA
Dallas TX 75261
UNITED STATES OF AMERICA

Date 11-22-2016
Billing S/14P SH0086638
Original Sales Order ST0900701
Page 47

Piper

Photocopie effectuée le 01/01/10
au titre d'un délotissement de 1 pièce(s)
sur un total de 10 pièces
par Nicolas de la société ATIS

Photocopie effectuée le 22/01/2018
 au titre d'un délotissement de 1 pièce(s)
 sur un total de 25 pièces
 par ATTIS de la société ATTIS

1. Approving Facility Name: Address/City/State/Country:		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8109-3, AIRWORTHINESS APPROVAL TAG		
3. Itemizing Name and Address:		4. Itemizing Name and Address:		
5. Weight/Commerce Number:		6. Weight/Commerce Number:		
Item:	7. Description:	8. Item Number:	9. Serial Number:	10. Status:
1	PACKING	MS20775-222	N/A	New
11. Remarks:				
NO MESSAGE REQUIRED				
<input checked="" type="checkbox"/> Approved item identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and/or in conformance for safe operation 12. Signature of Manager designated to sign:  13. Approval Authorization No.: ODA-100129-CE 14. Date of Authorization: 20/Apr/2016				
<small>It is important to understand that the existence of this document affords no assurance of airworthiness or compliance with applicable regulations in itself. It is the responsibility of the operator to familiarize himself with the exact requirements of the applicable regulations and to conform to them. It is the responsibility of the operator to determine if the aircraft is fit for flight.</small>				
<small>Statement of Rights: Part 135 Holders holding a certificate under Part 135, Subpart D, shall not be liable for damage resulting from the use of aircraft which have been released by the operator under this certificate, provided such aircraft have been maintained in accordance with the applicable regulations and the aircraft is in good condition at the time of release.</small>				
<small>FAA Form 8109-3, 10-2014</small>				

NSN: 6603-00-0712-0002

CUST PO NO *45923554	SO NO 573583	CUST PO NO *45923554	SO NO 573583
FROM: BILD INDUSTRIES, INC., 800 CLEARWATER LOOP, POST FALLS, ID 83854	TO: AVIALL SERVICES, INC., AVIALL CENTRAL WAREHOUSE, 2750 REGENT BOULEVARD, DFW AIRPORT TX 75261	FROM: BILD INDUSTRIES, INC., 800 CLEARWATER LOOP, POST FALLS, ID 83854	TO: AVIALL SERVICES, INC., AVIALL CENTRAL WAREHOUSE, 2750 REGENT BOULEVARD, DFW AIRPORT TX 75261
SHIPPING		RECEIVING	
AVIALL SERVICES, INC. AVIALL CENTRAL WAREHOUSE 2750 REGENT BOULEVARD DFW AIRPORT TX 75261		AVIALL SERVICES, INC. AVIALL CENTRAL WAREHOUSE 2750 REGENT BOULEVARD DFW AIRPORT TX 75261	

CUSTOMER BILL TO ADDRESS		COMPLETE CUSTOMER PO NO.	BILL TO NO.	SHIP TO NO.	PAGE
AVIALL SERVICES, INC. ATTN. AP DEPT. P.O. BOX 619048 DALLAS		*45923554	AET1007	1	
BUYER NAME & PHONE NO. MICHELLE/E					
ITEM # NAS1149F0363P		PART / LOT NUMBER 9446/K1356	CUSTOMER PO NO. *45923554	DESCRIPTION WASHBAG 200 PER CITY	
LINE	QTY ORDERED	QTY SHIPPED			
1	200000	20000			
845344-35					
2	1	1	s/c MACHINERY effectuée le 02/01/10 au titre d'un délotissement de 45923554 sur un total de 200 pieces Par _____ de la société ATIS	CERTIFICATION CITY	89320
3	1	1	MECHANICAL	CITY	92588
4	1	1	7-5-18 KIP	COUNTRY OF ORIGIN CITY	92588
		COO: USA	*45923554	DATE	
				Andy Olson	JUL 11 2018
				QUALITY CONTROL MANAGER	
CERTIFICATION OF CONFORMANCE WE HEREBY CERTIFY THAT THE MERCHANDISE INCLUDED ON THIS PACKING LIST IS IN CONFORMANCE WITH AN MS-NAS OR APPLICABLE SPECIFICATIONS AND OR DRAWINGS. CAGE CODE 31222					
TOTAL UNIT	TOTAL PCS	SHIP DATE	SHIP DATE	SHIP DATE	SHIP DATE
1	1	7/11/18	7/11/18	7/11/18	7/11/18
SIGNATURE - MERCHANDISE RECEIVED X					



2655 HARRISON AVE. SW
CANTON, OH 44706
PHONE: (330)430-6196
FAX: (330)430-6199

CERTIFICATE OF CONFORMANCE

BILD INDUSTRIES

I Hereby Certify that on 08/16/12 Airfasco Industries provided the supplies called for by Contract/PO Number 78736 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. DFAR 252.225-7014 ALT 1 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.



WM. DENT

Quality Assurance Representative

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
AN3-3A	22258	100070			

1. APPROVING CIVIL AVIATION AUTHORITY/COUNTRY: FAA/United States	2. FORM NUMBER: 199527-001	3. FORM TRACKING NUMBER: 199527-001
4. ORGANIZATION NAME AND ADDRESS: Parker Hannifin, Aircraft Wheel & Brake 1160 Avon Center Road Avon, OH 44012 USA		
5. WORK ORDER/CONTRACT/INVOICE NUMBER: PT2046CE/PQ2046CE	6. PART NUMBER: 58606PC	7. SERIAL NUMBER: 11
8. ITEM: 5 GREASE SEAL, FELT	9. QUANTITY: 100	10. STATUS/WORK: New
11. REMARKS: AIRWORTHINESS APPROVAL - FOR DOMESTIC SHIPMENTS ONLY The article listed in Block 6 is a subcomponent of an FAA TSO-C26 article.		
<p style="text-align: center;">Photocopie effectuée le <u>03/07/2010</u> au titre d'un délotissement de <u>1</u> pièce(s) sur un total de <u>100</u> pièces par <u>NPCE</u> de la société ATIS</p>		
<p>13a. 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. <input type="checkbox"/> Non-approved design data specified in Block 12.</p> <p>13b. AUTHORIZED SIGNATURE: George Rodriguez</p> <p>13d. NAME (TYPED OR PRINTED): GEORGE RODRIGUEZ</p> <p>13c. APPROVAL/AUTHORIZATION NO.: 207188729</p> <p>13e. DATE: (dd/mm/yyyy): 14/NOV/2014</p> <p>14a. <input type="checkbox"/> OTHER BRANCH TO SERVICE: <input checked="" type="checkbox"/> OTHER BRANCH 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 respects that work the items are approved for return in service.</p> <p>14b. APPROVAL/SERIFICATE NO.: 14c. APPROVAL/SERIFICATE:</p> <p>14e. DATE: (dd/mm/yyyy): 14/NOV/2014</p>		
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 engine(s)/propeller(s)/aircraft 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>		

NU 78023

CERTIFICATE OF COMPLIANCE TEST REPORT

MADE IN THE U.S.A.

FORM REV A 11/09

CUSTOMER NAME ETA GLOBAL

PART NO MS24693-C273*

REV 2

PURCHASE ORDER NO 472620

INTERNAL ROUTING NO 30313

QUANTITY ONE HUNDRED SEVENTEEN THOUSAND FOUR HUNDRED

MATERIAL/SPECIFICATION 173 302HQ CARPENTER 74465

DATE 1/30/2013

PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND
INSPECTED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND
SPECIFICATIONS

PHYSICAL PROPERTIES

TENSILE STRENGTH

HARDNESS

SCALE



FF-S-92B

DFARS 252 225-7009

OTHER MECHANICAL TEST DATA

- MEET MAGNETIC PERMEABILITY REQUIREMENTS OF
FF-S-92B MIL-1-1721B AND ASTM A342/A 342M TEST
METHOD 3

PARTS ARE FREE FROM MERCURY AND ASBESTOS CONTAMINATION
VISUAL AND DIMENSIONAL INSPECTION SATISFACTORY

FINISH

181023418
ETA CMM 47262002-03-01
MEETS PASSIVATION REQUIREMENT AMS2700
MTHD 1 CL4/QQ P-35

INSPECTED TO ANSI/ASQ Z1.4 LEVEL 2

ADDITIONALLY AN ANSI/ASQC Z1.4 SAMPLE OF THE
FINISHED FASTENERS WERE TESTED IN ACCORDANCE WITH
APPLICABLE SPECIFICATIONS. SAMPLE PARTS AND THE TEST DATA
ARE IN OUR RECORDS RETENTION AREA AS OBJECTIVE EVIDENCE
AND WILL BE HELD AS REQUIRED

CRESCENT MANUFACTURING OPERATING CO



Cage Code #63020

700 George Washington Turnpike Burlington, CT 06013, USA
Telephone (860) 673 2591 Fax (860) 673 5973

15
TRACEY NIKSA, QC TECH
Signature

1. Approving Civil Aviation
Authority/Country: FAA/United States

AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
7364495152 1000000033537473

4. Organization Name and Address: AVIALL SERVICES INC.
2750 REGENT BLVD
DFW AIRPORT, TX 75261

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1. GASKET-ANNULAR- 1.000 ID		06E19769-1.00	50	N/A	NEW

12. Remarks:

MQ	
DER	
1504	

THE PRODUCT(S)/ARTICLE(S) SHIPPED UNDER THIS APPROVAL WERE PRODUCED
BY LYCOMING ENGINES.

13a. Certifies the items identified above were manufactured in conformity
to:

- Approved design data and are in a condition for safe operation.
- Non-approved design data specified in Block 12.

13b. Authorized Signature:

13c. Approval/Authorization No.:
225678718

14c-Approval/Certificate No.:

14 CFR 43.9 Return to Service

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.

13d. Name (Typed or Printed):
MARK A. DUMONT

13e. Date (dd/mm/yyyy):
04 AUG 2017

14e. Date (dd/mm/yyyy):

14 CFR 43.9 Typing or Printed):

14 CFR 43.9

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.

1032568863(93)110448
TOTAL POLSKA Sp. z o.o. Al. gen. Władysława IV 80-00-72 Warszawa
ul. Młynarska 160, 02-02-06 Warszawa, T-01-2113, ul. Młynarska 90, 02-02-06 Warszawa, 252620925282086 - dystrybutor TOTAL POLSKA Sp. z o.o. Al. gen. Władysława IV 80-00-72 Warszawa
ul. Młynarska 160, 02-02-06 Warszawa, T-01-2113, ul. Młynarska 90, 02-02-06 Warszawa, 252620925282086 - dystrybutor TOTAL POLSKA Sp. z o.o. Al. gen. Władysława IV 80-00-72 Warszawa

Production Date : 03/11/17

2081

1032568863(93)110448



sur le lot/ de _____ Pièce(s)
par _____ Pièce(s)

au titre d'un délotissement de 8L N°²

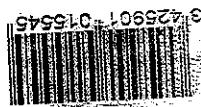
Photocopie effectuée le 26-12-17

AERO D 100

FR

INT-MOTOR

SAE J 1899 grade 50
AIR 3670
OTAN/NATO : O 128



GENERALI, MAGGIOLINI, MOTORES, STOCCATO, MOTORINI, ETC.
MOTORINI, MAGGIOLINI, MOTORES, STOCCATO, MOTORINI, ETC.

TOTAL



1x