MONTAJE DEL MOTOR LYCOMING TIO-540-AJIA EN LA AERONAVE CESSNA T20608071 DE MATRÍCULA HC-CPS DE LA COMPAÑÍA AEROSARAYAKU TAYJASARUTA S.A. EN LA PARROQUIA DE SHELL-MERA

ELABORADO POR: TIPANTUÑA PALACIOS ANGEL JOEL

PLANTEAMIENTO DEL PROBLEMA

Si	TOTAL TOTAL TIME IN SINCE ERVICE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF FERSON PERFORMING V
			TOTALS brought forward from previous page
	61A, o motor	cumple cor de la Aei	10 / Junio / 2015 HC - CPS TAC 1998.5 Horning, Model TIO - 540 - AJ1A, con Serie RL - 4: as u T.B.O (2.000 Hours), por lo cual se desmoi ronave Cessna T206H, y se envía el mismo a Lycoming Engines. APELAGO ALGERE Andrés Arévalo R. JEFE DE MANTENIMIENTO
	No.		Lic. N 2595 MM JEFATURA DE MANTENIMENTO
			SU8-TOTALS this page

OBJETIVOS





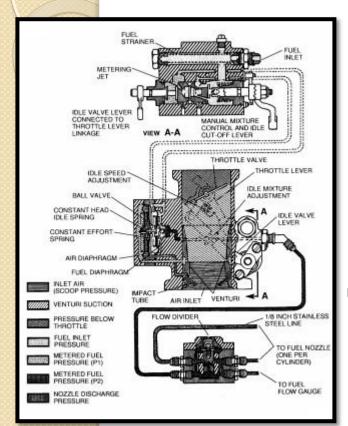
Maintenance Manual

MODEL 206/T206 SERIES 1998 AND ON

Instrumento	Arco rojo (Mínimo)	Arco verde (Normal)	Arco rojo (Máximo)
Tacómetro (RPM)		2000 a 2400	2500
Presión del Múltiple (in. Hg)		15 a 30	39
Temperatura cabeza de cilindros (°F)		200 a 480	480
Temperatura de aceite (°F)		100 s 245	245
Presión de aceite (PSI)	20	50 a 90	115
Flujo de combustible (GPH)		5 a 20	34
Vacío (in. Hg)		4.5 a 5.5	
Temperatura entrada de turbina (T.I.T.) (°F)		1350 a 1675	1675

SISTEMAS DEL MOTOR

SISTEMA DE COMBUSTIBLE



Esquema sistema a inyección





Inyector de combustible

Unidad de Control Aire Combustible

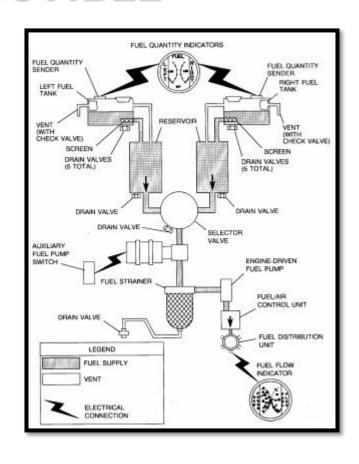


Válvula distribuidora de combustible



Sensor flujo de combustible

OPERACIÓN SISTEMA DE COMBUSTIBLE



SISTEMA ELÉCTRICO



Batería



Alternador



Motor de arranque

SISTEMA DE ENCENDIDO





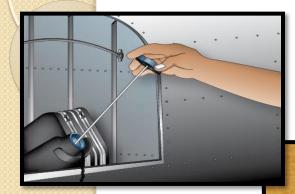
Arnés de ignición

Magneto



Bujías

SISTEMA DE LUBRICACION



Varilla medidora de aceite



Indicador de Presión y Temperatura de Aceite



Bomba Tipo Engranaje





SISTEMA DE REFRIGERACIÓN

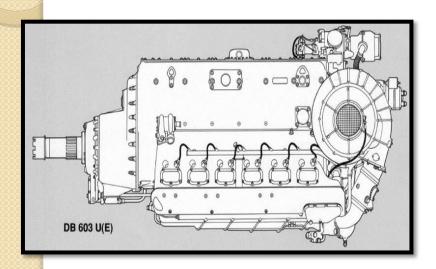


Aletas de refrigeración



Baffles

MOTORES SOBREALIMENTADOS



Motor Súper Cargado



Motor Turbo Cargado

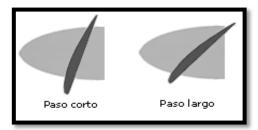
HÉLICE

	Hélice
Tipo	McCauley B3D36C432/80VSA-1, 3
Про	palas
Diámetro (Máximo a mínimo)	79.0 a 77.5 pulgadas
Extensión del paso (Alto a	33.8 a 16.9 grados
bajo)	30.0 a 10.0 grados
Fuente:(Cessna Aircraft Company, 2010)	

Descripción de la hélice



Gobernador



Paso de la hélice





DESARROLLO DEL TEMA

Anexo B. Montaje del Motor

CESSNA AIRCRAFT COMPANY MODEL 206/T206

ENGINE - MAINTENANCE PRACTICES

General

This section provides instructions to remove and install the engine. For maintenance beyond the scope of this chapter, refer to applicable engine publications which are listed in Introduction - List of Manufacturers Technical Publications.

2. Engine Removal/Installation

A. Remove Engine

- (1) Place all cabin switches and the fuel shutoff valve in the OFF position.
- Remove engine cowling.
- Disconnect positive and negative battery leads from battery.
- Loosen C-clamp securing flexible duct to nose cap. Remove flexible duct from nose cap.
- Loosen C-clamp securing flexible duct to firewall-mounted heater valve. Remove flexible duct from heater valve
- On turbocharged airplanes, loosen clamp securing induction duct to turbocharger. Remove duct
 - WARNING: Disconnecting the P-lead wire from the magnetos will remove the electrical ground from the magneto circuit, resulting in hot magnetos. A separate ground wire must be run to the magnetos or the high tension wires removed from the spark plugs to prevent accidental engine start when the propeller is
- Disconnect P lead wires on magnetos
- Remove propeller governor. Refer to Chapter 61, Propeller Governor Maintenance Practices. Disconnect electrical connector from EGT Probe (on non-turbocharged airplanes) or disconnect
- electrical connector from TIT Probe (on turbocharged airplanes).
- (10) Disconnect electrical terminal from CHT probe.
- Disconnect fuel outlet line at the fuel strainer
- (12) Disconnect throttle and mixture cables at fuel/air control unit. Note position of washers and spacers for later reassembly.
- (13) Disconnect throttle and mixture cables from cable attach bracket by removing screws, washers
- and nuts securing retaining clamps.

 On turbocharged airplanes, disconnect and cap oil lines from controller assembly.
- Disconnect drain lines and vent tubes.
- Disconnect vacuum hose at firewall connection.
- Disconnect manifold pressure line at firewall.
- (18) On turbocharged airplanes, disconnect manifold pressure line (from induction plenum) and upper deck pressure line (from induction elbow) from the controller assembly.
- (19) Disconnect and label electrical wires on vacuum switches.
- (20) Loosen and remove tachometer drive cable clamps in engine area. Disconnect tachometer drive cable from rear of accessory case.
- Cut tie wraps (sta straps) securing the various wire bundles to the engine.
- (22) Loosen and remove clamp securing starter and alternator wires to forward baffle.
- Remove starter wires from starter.
- Remove alternator wires from alternator
- Loosen and remove clamp securing starter and alternator wires to forward baffle
- (26) Disconnect ground wire from engine mount.
- (27) Disconnect electrical connector from fuel pressure transducer (on non-turbocharged airplanes) or disconnect electrical connector from fuel flow transducer and electrical connector from upper deck pressure transducer (on turbocharged airplanes).
- (28) Disconnect electrical connector from low oil pressure switch.

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(29) Disconnect electrical connector from oil pressure transducer.

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL

- (30) Disconnect electrical terminal from oil temperature sensor.
- (31) Place stand under tail tie-down to allow for tail heavy condition, which will occur when engine is removed from airframe
- (32) Attach hoist to lifting strap on top of engine. Begin to take up engine weight using hoist.
- (33) Remove boils attaching engine shock mounts to engine mount assembly. Slowly raise engine using hoist until engine is free of structure.

Install Engine and Mount.

- Hoist engine into position and secure using hardware removed in above steps. Refer to Engine Mount - Maintenance Practices.
- Torque engine shock mount nuts from 450 to 500 inch-pounds.
- Remove stand from under tail tie-down.
- Connect electrical terminal to oil temperature sensor.
- Connect electrical connector to oil pressure transducer. Connect electrical connector to low oil pressure switch.
- Connect electrical connector to fuel pressure transducer, or on turbo charged airplanes connect electrical connector to fuel flow transducer and electrical connector to upper deck pressure transducer.
- Connect ground wire to engine mount.
- Secure starter wires and alternator wires to forward baffle using clamp.
- (10) Install alternator wires to alternator.
- (11) Install starter wires to starter
- (12) Secure various wire bundles to engine using tie wraps (sta straps). (13) Connect tachometer drive cable to back of accessory case. Torque drive shaft to 100 inch-
- (14) Reconnect tagged wires to respective vacuum switches.
- (15) Reconnect vacuum line to firewall connection
- (16) Reconnect manifold pressure line at firewall
- (17) On turbocharged airplanes, connect manifold pressure (from induction plenum) and upper deck pressure (from induction elbow) lines from the controller assembly.
- (18) Position throttle and mixture control cables on cable attach bracket. Install retaining clamp and secure, using screws, washers and nuts.
- (19) Connect throttle and mixture control cables to fuel/air control unit.
- (20) Reconnect fuel outlet line at the fuel strainer
- (21) Connect electrical connector to EGT Probe (on non-turbocharged airplanes) or connect electrical connector to TIT Probe (on turbocharged airplanes).
- (22) Connect electrical terminal to CHT probe.
- (23) Install propeller governor. Refer to Chapter 61, Propeller Governor Maintenance Practices.
- (24) Reconnect P leads to magnetos. If required, reconnect high tension wires to spark plugs.
- Connect flexible duct to firewall-mounted heater valve. Connect flexible duct to nose cap inlet.
- (27) On turbocharged airplanes, install clamp securing induction duct to turbocharger.
- (28) Check all controls and lines for security of installation and freedom of movement. Ensure all fuel fittings are tight and leak-free
- (29) Reconnect positive and negative leads to battery.
- (30) Reinstall engine cowling.

3. Engine Cleaning

A. The engine may be cleaned using stoddard solvent or equivalent chemicals. Care should be taken to ensure that all openings are capped or plugged to prevent solvent entry into engine. All electrical accessories (starters, alternators, etc.) should be covered before cleaning solvent is applied.

A. If the engine is being removed for storage purposes, it may need to be preserved. Refer to Chapter 10, Storage - Description and Operation, for preservation techniques.

Levantamiento del motor en posición y asegurar el tecle



Ajuste de las tuercas de la bancada











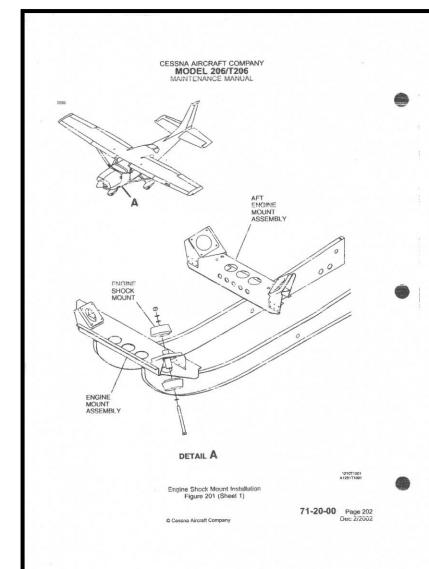
MODEL 206/T206 MAINTENANCE MANUAL

ENGINE MOUNT - MAINTENANCE PRACTICES

- 1. Description and Operation
 - A. The engine mount assembly uses four rubber mounts to isolate engine noise and vibration from the engine mount assembly.
- 2. Engine Mount Procedures
 - A. Shock Mount Procedures (Refer to Figure 201).
 - (1) The shock mounts, which connect the engine to the engine mount assembly, are of rubber and metal construction and are assembled in a sandwich to isolate noise and vibration from the cabin area. Shock mounts should be assembled as illustrated in Figure 201. Nuts should be torqued from 450 to 500 inch-pounds upon installation.

NOTE: Take caution to ensure that the bolts are not shanked out.

- (2) The shock mounts should never be cleaned with any type of solvent. If shock mounts need cleaning, use a clean, dry cloth.
- (3) Shock mounts should be inspected when removed. Metal components should be inspected for cracks and excessive wear due to aging and deterioration. Rubber components should be inspected for separation, swelling, cracking or a pronounced set of the pad. Shock mounts showing any of these signs should be replaced.



Remoción del soporte debajo de la cola del avión



Conexión del sensor de temperatura de aceite





Anexo D. Indicador de Temperatura de Aceite

CESSNA AIRCRAFT COMPANY MODEL 206/T206

OIL TEMPERATURE INDICATOR - MAINTENANCE PRACTICES

Description and Operation

- The oil temperature system has three core components; a sending unit, a combination oil temperature/ oil pressure indicator and a wire that connects the two components. Oil temperature is measured in the accessory case area and gives cockpit readings in degrees Fahrenheit (°F).
- Airplanes with the Garmin G1000 system use the same oil temperature sending unit as standard equipped airplanes.

Sending Unit Removal/Installation

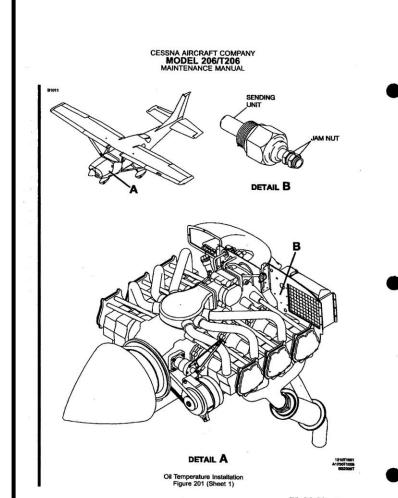
- Remove the Sending Unit (Refer to Figure 201).

 (1) Remove the upper engine cowl. Refer to Chapter 71, Cowls Maintenance Practices.

 (2) Disconnect the ring terminal wiring at the sending unit.
- Loosen and remove the sending unit from the accessory case.
- Install the Sending Unit (Refer to Figure 201).
- Install the sending unit to the accessory case.
- Attach the ring terminal wire to the sending unit. Torque the jam nut to 20 inch-pounds, maximum.
- Install the upper engine cowl. Refer to Chapter 71, Cowls Maintenance Practices.

Pressure Indicator Removal/Installation

For removal and installation of the Oil Temperature/Oil Pressure Indicator, refer to Oil Pressure Indicators - Maintenance Practices.

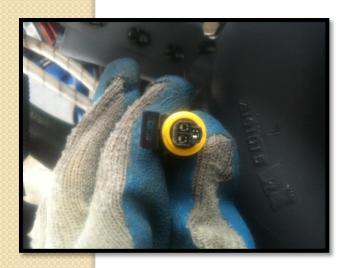


Conexión del transductor de presión de aceite



Conexión del interruptor de baj presión de aceite









Anexo E. Indicadores de Presión de Aceite

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL

OIL PRESSURE INDICATORS - MAINTENANCE PRACTICES

Description and Operation

- Oil pressure is measured at two points on the engine. One point gives the oil pressure indicator reading and one gives the low oil pressure annunciation.
- (1) The oil pressure indicator system has three components: an oil pressure line, a transducer and a cockpit-mounted combination pressure/temperature indicator. The system gets oil from the top right side of the case. The oil flows through a rigid line, to a transducer found on the rear baffle area. The transducer makes an electrical signal which is sent to the pressure-side of the cockpit-mounted oil pressure/oil temperature indicator.
- The low oil pressure annunciation system has a pressure switch and the related wiring. The switch is installed on the top rear side of the engine case. It is set so that when oil pressure is less than 20 PSI, a ground is supplied to the instrument panel-mounted annunciator. This causes the OIL PRESS light on the annunciator to come on. When oil pressure is more than 20 PSI, the ground connects and starts the hobbs meter and extinguishes the OIL PRESS light.
- B. Airplanes with the Garmin G1000 system use the same oil pressure transducer and oil pressure switch as standard equipped airplanes.

2. Oil Pressure Indicator and Transducer Removal/Installation

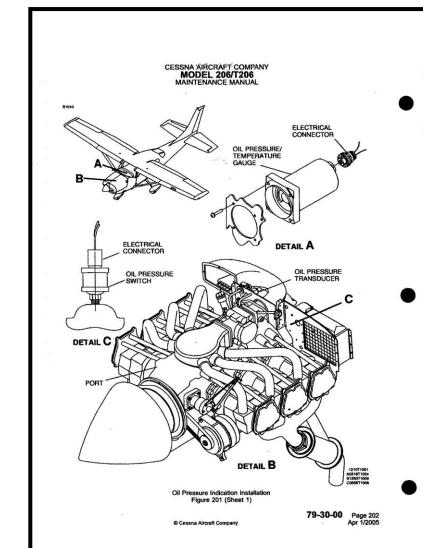
- Remove the Oil Pressure Indicator (Refer to Figure 201). Make sure that electrical power to airplane is off.
 - Remove the screws that attach the indicator to the instrument panel.
 - Remove the electrical connector from back of the indicator.
 - Carefully remove the indicator from back of the instrument panel.
- Install the Oil Pressure Indicator (Refer to Figure 201).
- Connect the electrical connector to the back of the indicator.
- Install the indicator to the instrument panel.
- Attach the indicator to the panel with screws.
- Remove the Transducer (Refer to Figure 201). Remove the upper cowl. Refer to Chapter 71, Cowls - Maintenance Practices.
- Disconnect and put caps on the oil pressure line at the transducer.
- Disconnect the electrical connector from the transducer.
- Remove the nut that connects the transducer to the rear of the baffle and remove the transducer.
- Install the Transducer (Refer to Figure 201).
 - (1) Install the transducer to the rear baffle and attach with the nut
 - Connect the electrical connector to the transducer.
 - Remove the caps and connect the oil pressure line at the transducer.
 - Install the upper cowl. Refer to Chapter 71, Cowls Maintenance Practices.

3. Low Oil Pressure Switch Removal/Installation

- Remove the Switch (Refer to Figure 201).

 - Make sure that electrical power to airplane is off.

 Remove the upper cowl. Refer to Chapter 71, Cowls Maintenance Practices.
 - Disconnect the electrical connector from the switch.
 - Remove the switch from the engine case.
- Install the Switch (Refer to Figure 201).
 - Tighten by hand the new switch with U544006 sealant (or equivalent) on the threads.



Conexión terminal eléctrica al transductor de flujo de combustible



Conexión del motor a tierra









Anexo F. Indicador de Flujo de Combustible

CESSNA AIRCRAFT COMPANY MODEL 206/T206

FUEL FLOW INDICATOR - MAINTENANCE PRACTICES

- Engine fuel flow is measured by use of an engine-mounted transducer and a cockpit-mounted indicator. The turbocharged model measures fuel flow by the use of a turbine wheel flow transducer. Components of the system include the fuel pressure transducer or turbine wheel flow transducer. the cockpit-mounted manifold pressure/fuel flow gauge, and wiring to connect the two electrical
- Removal/installation of the components is the only required maintenance

Manifold Pressure/Fuel Flow Gauge Removal/Installation

- The fuel flow gauge is found on the right half of the dual function Manifold Pressure/Fuel Flow gauge, found on the left side of the instrument panel.
- The fuel flow transducer used with the Garmin G1000 installation is the same as the fuel flow transducer used on all standard equipped airplanes.
- Remove the Fuel Flow Gauge.
 - Make sure that all electrical power to airplane is off.
 - Remove the screws that attach the gage to the instrument panel.
 - Carefully remove the gage from the bottom side of the instrument panel and disconnect the electrical connector from gage.
- Install the Fuel Flow Gauge.
 - Connect the electrical connector to the gage.
 - Install the gage in the instrument panel with screws.
 - Apply electrical power to the airplane and make sure that the gage is connected and operates

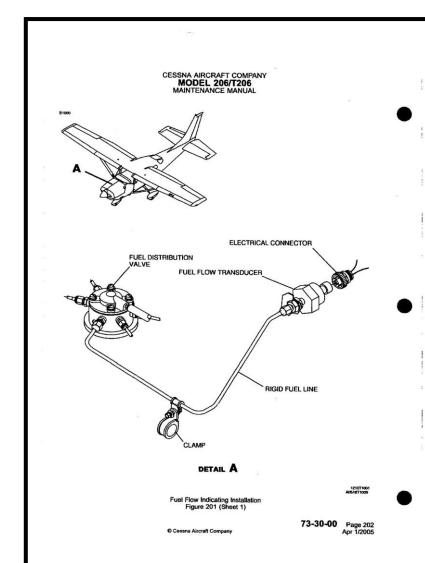
Transducer and Line Removal/Installation

- Remove the Transducer (Refer to Figure 201).

 - Make sure that all of the electrical power to airplane is off.

 Remove the upper cowling. Refer to Chapter 71, Cowls Maintenance Practices.
 - Disconnect the electrical connector from the fuel flow transducer.
 - Remove the fuel flow transducer from the fitting in the rear baffle.
- On turbocharged models, remove the flow transducer from the fuel supply hose.
- Install the Transducer (Refer to Figure 201).
 - Install the fuel flow transducer into the fitting in the rear baffle.

 On turbocharged models, install the flow transducer into the fuel supply hose.
 - Connect the rigid line that leads from the fuel distribution valve to the transducer.
 - Connect the electrical connector to the fuel flow transducer.
 - Install the upper cowling. Refer to Chapter 71, Cowls Maintenance Practices.
 - Apply electrical power to the airplane and make sure that the gage is connected and operates



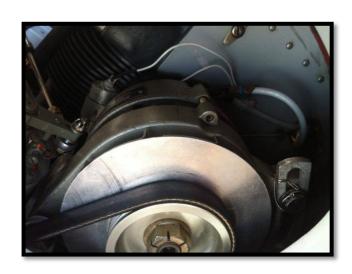
73-30-00 Page 201

Sujeción de los cables del motor de arranque y del alternador



Instalación del alternador







Anexo G. Instalación del Alternador

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL

ALTERNATOR - MAINTENANCE PRACTICES

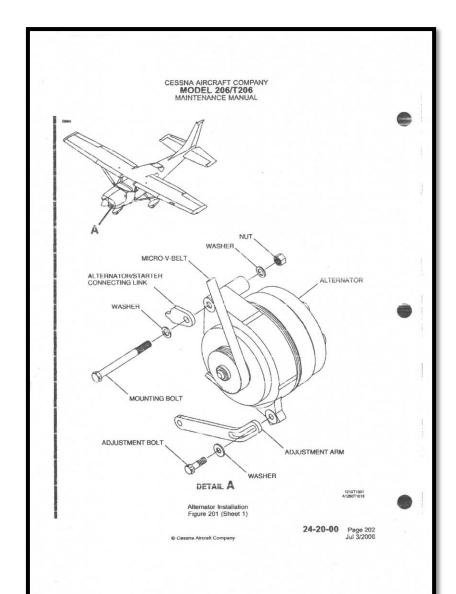
General

A. Either a 60-amp or a 95-amp atternator is installed on the forward left side of the engine.

Alternator Removal/Installation

CAUTION: Make sure that you are careful when you remove and install the power and ground ring terminals.

- Do not bend or twist the terminals.
- If possible, always remove the terminals from the alternator before you remove the atternator.
- If possible, always install the terminals to the alternator after you install the
- If you must remove or install the alternator with the terminals installed, make sure that the terminals do not bend or twist.
- After the terminals are installed, make sure that the cables do not apply a load to the terminals that can cause them to bend or twist.
- A. Alternator Removal (Refer to Figure 201).
 - Remove the upper cowl. Refer to Chapter 71, Cowls Maintenance Practices.
 - Disconnect the battery cables. Refer to Battery Maintenance Practices.
 - Disconnect the electrical connectors from the alternator.
 - Remove the safety wire from the adjustment bolt. Loosen the bolt
 - Loosen the alternator mounting bolt.
 - Rotate the alternator and remove the drive belt from the alternator pulley.
 - Remove the adjustment bolt and the mounting bolt, and remove the alternator from the airplane.
- Alternator Installation (Refer to Figure 201). Put the alternator in position on the mounting bracket and install the mounting bolt and the nut.
- Do not tighten at this time.
 - Put the drive belt on the alternator pulley.
- Install the adjustment bolt.
 - CAUTION: On airplanes with a new alternator belt installed and on new airplanes, do a check of the belt tension again in the first 10 to 25 hours of operation.
- Apply a torque wrench to the nut on the alternator pulley and adjust the belt tension so the belt slips at 7 to 9 foot-pounds (9.49 to 12.20 Nm) of torque with a used belt, or 11 to 13 foot-pounds (14.91 to 17.62 Nm) of torque with a new belt.
- Tighten and safety the wire adjusting bolt.
- Tighten the alternator mounting bolt.
- Connect the electrical connectors to the alternator.
- Install the upper cowl, Refer to Chapter 71, Cowls Maintenance Practices.



Instalación del motor de arranque



Sujeción de los diferentes conjuntos de cables al motor









Anexo H. Instalación del Motor de Arranque

CESSNA AIRCRAFT COMPANY
MODEL 206/T206
MAINTENANCE MANUAL

STARTER - MAINTENANCE PRACTICES

1. Description and Operation

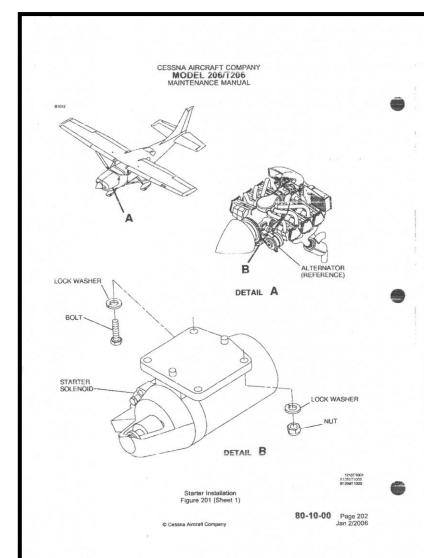
A. The airplane is equipped with a direct drive 24 VDC starter. The starter is attached to the front (propeller end) lower left side of the engine. The ignition key in the instrument panel operates the starter solenoid. When the solenoid is operated, its contacts close and electrical current energizes the starter. A pinion gear in the starter engages the crankshaft ring gear. When the engine reaches a given speed, centrifugia action decoughes the starter pinion from the crankshaft ring gear.

2. Starter Removal/installation

- A. Remove the Starter (Refer to Figure 201).
 - Remove the upper engine cowling and the nose cap. Refer to Chapter 71, Engine Cowling -Maintenance Practices.
 - Disconnect the negative terminal from the battery.
 - (3) Disconnect the large electrical wire (positive lead) at starter.
 - (4) Remove the three nuts from the crankcase studs.(5) Remove the bolt from the starter and remove starter from the engine.
- Install the Starter (Refer to Figure 201).
 - (1) Attach the starter to the engine crankcase using the bolt and nuts.
 - (2) Connect the positive lead to the starter. Make sure the protective boot fully covers the stud on the starter.
 - (3) Connect the negative terminal to the battery.
 - (4) Install the upper engine cowling and nose cap. Refer to Chapter 71, Engine Cowling -Maintenance Practices.

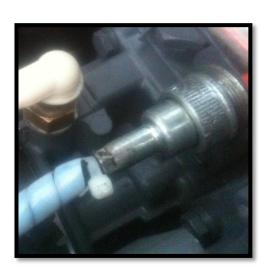
3. Bendix Drive Starter Assembly Cleaning And Lubrication

- A. Clean the Bendix starter drive assembly (Refer to Figure 201).
 - CAUTION: Use only a clean petroleum spirit. Do not use any other type of solvent.
 - (1) Clean the starter drive with a clean petroleum spirit.
- B. Lubricate the Bendix starter drive assembly. (Refer to Figure 201).
 - **CAUTION:** Do not use grease, oil or graphite lubricants. Use only silicone spray lubricants which are recommended for correct operation.
 - Lubricate the starter drive assembly with a silicone spray such as Crown Industrial Products silicone spray 8034.



Conexión del cable de indicación de tacómetro de RPM







Anexo I. Instalación Cable de Indicación de RPM

CESSNA AIRCRAFT COMPANY MODEL 206/T206

TACHOMETER - MAINTENANCE PRACTICES

Description and Operation

In airplanes that do not have the Garmin G1000, engine speed (RPM) is measured by a cockpit mounted indicator. Maintenance is only the removal/installation of the tachometer and drive cable.

2. Tachometer and Drive Cable Removal/Installation

NOTE: The procedures that follow are for airplanes with standard avionics.

- Remove Tachometer and Drive Cable (Refer to Figure 201).
 - On the backside of the instrument panel, disconnect the drive cable from the tachometer.
 - Disconnect the electrical connector from the backside of the tachometer.
 - Remove the screws that attach the tachometer to the instrument panel and remove the
 - Remove the upper engine cowling. Refer to Chapter 71, Cowls Maintenance Practices.
 - Disconnect the drive cable at the rear of the accessory case. Remove the two screws that attach the firewall shield to the firewall
 - Remove the drive cable through the firewall

Install the Tachometer and Drive Cable (Refer to Figure 201).

- (1) Install the drive cable through the firewall.
- Connect the drive cable to the accessory case housing. Torque the tachdrive shaft to 100 in-lbs.
- Install the firewall shield to the firewall with screws.
- Install the tachometer to the instrument panel with four screws.
- Connect the electrical connector to the tachometer. Connect the drive cable to the backside of the tachome
- Install the upper engine cowling. Refer to Chapter 71, Cowls Maintenance Practices.

3. Tachometer Sending Unit Removal/Installation

NOTE: The procedures that follow are for airplanes with Garmin G1000.

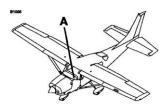
- Remove the Tachometer Sending Unit (Refer to Figure 202).

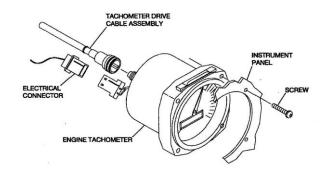
 (1) Make sure that the MASTER switch is in the off position.
 - Remove the top cowl. Refer to Chapter 71, Cowl Maintenance Practices. Disconnect the electrical connector (PN025 or JN028).
- Loosen the knurled nut.
- Remove the tachometer sending unit from the airplane.
- B. Install the Tachometer Sending Unit (Refer to Figure 202).
- Put the tachometer sending unit in position on the airplane.
 - Tighten the knurled nut.
 - Connect the electrical connector (PN025 or JN028).

If irregular tachometer indications have occurred, the use of Stabilant 22 contact enhancer on the electrical connector (PN025) can possibly decrease the occurrence of these indications.

(4) Install the side cowl. Refer to Chapter 71, Cowl - Maintenance Practices.

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL





DETAIL A AIRPLANES WITH STANDARD AVIONICS

Tachometer Installation Figure 201 (Sheet 1)

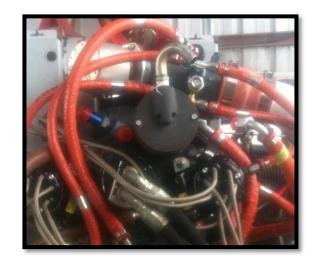
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Conexión de los terminales a los interruptores de vacío



Conexión de líneas de vacío a la conexión de la pared de fuego





MODEL 206/T206 MAINTENANCE MANUAL

VACUUM SYSTEM - MAINTENANCE PRACTICES

1. Description and Operation

- A. Description and Operation
 - (1) The vacuum system has a filter, vacuum gage, vacuum instruments, regulator valve, vacuum manifold, low vacuum annunciator switches, engine-driven vacuum pumps and related plumbling.
 - (2) On airplanes without Garmin G1000, the source of vacuum air is in the cabin and is pulled through the system by the engine-driven vacuum pumps. This air goes through the gyro filter at the cabin inlet source before it goes through the vacuum gage and gyro instruments. The vacuum is controlled by the regulator valve. The regulator valve is on the aft side of the firewall. The vacuum air is then pulled through the vacuum manifold and past the low vacuum annunciator switches and then into the vacuum pumps.
 - (3) On airplanes without Garmin G1000, vacuum pressure is measured by the low vacuum annunciator switches in the engine compartment. The vacuum gage in the instrument panel shows the vacuum pressure.
 - (a) The vacuum gage gives a direct indication of the system vacuum in inches of mercury (In.
 - (b) The low vacuum annunciator switches are part of the panel annunciator warning system.

 If the left vacuum switch (SN012) senses a vacuum below 3.0 in. Hg., the VAC annunciator will show L VAC.
 - 2 If the right vacuum switch (SN011) senses a vacuum below 3.0 In. Hg., the VAC annunciator will show VAC R.
 - If both switches sense a vacuum below 3.0 in. Hg., the VAC annunciators will show L VAC R.
 - (c) For more information on the maintenance practices for the panel-mounted annunciator (UI005), refer to Chapter 31, Annunciator Panel - Maintenance Practices.
 - (4) On airplanes with Garmin G1000, the source of vacuum air is in the cabin and is pulled through the system by the engine-driven vacuum pump. The vacuum pressure is measured by a vacuum transducer. The air goes through the gyro filter at the cabin inlet source before it is goes through the horizon gyro indicator. The vacuum is controlled by the regulator valve. The regulator valve and the vacuum transducer are on the aft side of the firewall.

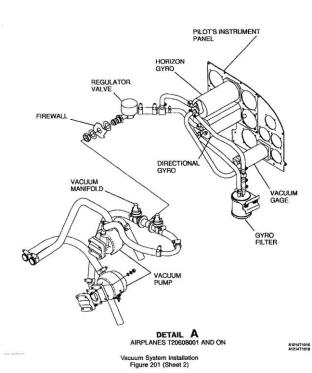
2. Vacuum Pump Removal/Installation

NOTE: The removal/installation is typical for each vacuum pump.

- A. Remove the Vacuum Pump (Refer to Figure 201 and Figure 202).
 - (1) Remove the engine cowl. Refer to Chapter 71, Cowls Maintenance Practices.
 (2) Disconnect the hoses from the inlet and outlet ports of the vacuum pump.
 - (3) Cap the hoses and vacuum pump ports to keep out foreign material.
 - (4) Remove the nuts, lock washers, and flat washers that attach the shroud and vacuum pump to the engine.
 - (5) Remove the shroud and vacuum pump from the studs on the engine.
 - Remove the elbow from the pump.
 - (7) Discard any damaged fittings or nuts with rounded corners.
- B. Install the Vacuum Pump (Refer to Figure 201).
 - (1) Before you install a new vacuum pump, purge the vacuum pump hoses in the system to remove foreign particles that may have been deposited in the hoses by the previous vacuum pump.

CESSNA AIRCRAFT COMPANY
MODEL 206/T206
MAINTENANCE MANUAL

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Conexión de líneas de presión del múltiple a la pared de fuego









Anexo K. Conexión Presión del Múltiple a la Pared de Fuego

TEXTRON Lycoming

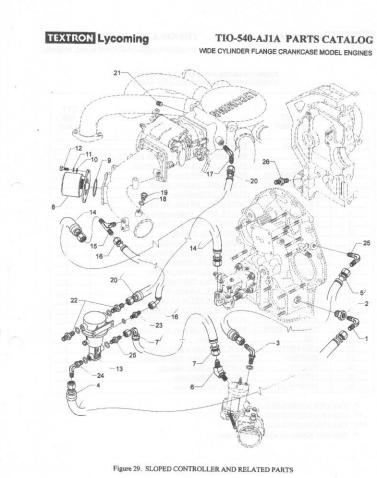
TIO-540-AJ1A PARTS CATALOG

WIDE CYLINDER FLANGE CRANKCASE MODEL ENGINES

TURBOCHARGER AND EXHAUST SYSTEMS SLOPED CONTROLLER AND RELATED PARTS

FIG REF. 29	PART NUMBER	DESCRIPTION	QTY. PER ASSY
1	MS20823-6	ELBOW, 1/4 NPT to 3/8 flared tube	1
2	AN912-9	BUSHING, Reducer, 3/4 NPT to 1/4 NPT	1
3	72376**	ELBOW, 90°, 1/4 tube to 7/16 thread	1
4	LW-12799-6S144	HOSE ASSY., 3/8 hose, straight	1
5	LW-12798-4S095	HOSE ASSY., 1/4 hose, straight	1
6	74070***	ELBOW, 3/8 flared tube, 9/16-18 thread	1
7	LW-12877-6S142	HOSE ASSY., 3/8 hose, 90° elbow	1
- 8	LW-14445-11	VALVE ASSY., Absolute pressure relief	1
9	MS29513-138	"O" RING, 2-7/64 I.D. x 7/64 section	1
10	STD-28	WASHER, No. 10 plain	4
11	STD-251	WASHER, No. 10, internal lock	4
12	STD-375	SCREW, No. 10-24 x 5/8 long, fill, hd.	4
13	48B22314	CONTROLLER, Sloped (481058-0005)	1
14	LW-12798-4S204	HOSE ASSY., 1/4 hose, straight	1
15	75948**	TEE, 1/4 tube x 7/16 thread	1
16	LW-12876-4S120	HOSE ASSY., 1/4 hose, 90° elbow	1
17	02A22619	ELBOW, 1/8 NPT to 1/4 flared tube	1
18	MS29512-04	"O" RING, 11/32 J.D. x 1/16 section	1
19	AN814-4L	PLUG & BLEEDER, 7/16-20 UNF, dr.	1
20	LW-12876-4S250	HOSE ASSY,, 1/4 hose, 90° elbow	1
21	1102	PLUG, 1/8 pipe	1
22	LW-16561***	NIPPLE, 1/4 tube to 9/16-18 thread	2
23	02G22466*	NIPPLE, 5/16-24 to 7/16-20 thread	1
24	72377***	ELBOW, 3/8 flared tube, adj.	1
25	75739***	NIPPLE, 3/8 flared tube	1
26	75739*** (+)	NIPPLE, 3/8 flared tube	1

^{*} Uses a P/N MS29512-02 O-ring.



^{**} Uses a P/N MS29512-04 O-ring.

^{***} Uses a P/N MS29512-06 O-ring.

⁺ Ship loose (Cessna oil separator crankcase).

Conexión de línea de presión del múltiple del turbo cargador





Anexo L. Conexión Presión del Múltiple al Turbo Cargador

TEXTRON Lycoming

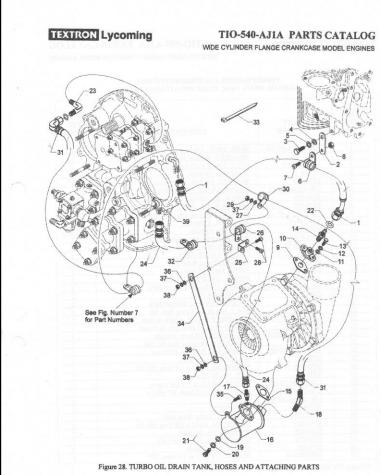
TIO-540-AJ1A PARTS CATALOG

WIDE CYLINDER FLANGE CRANKCASE MODEL ENGINES

TURBOCHARGER AND EXHAUST SYSTEMS TURBO OIL DRAIN TANK, HOSES AND ATTACHING PARTS

FIG REF. 28	PART NUMBER	DESCRIPTION	QTY. PER ASSY
20		AND ACT SEED	
1	LW-12878-4S260	HOSE ASSY,, 1/4 hose, 45° elbow	1
2	73152	BRACKET, Support clamp	1
3	LW-25-0.50	BOLT, 1/4-20 x 1/2 long, hex, hd.	1
4	STD-8	WASHER, 1/4 plain	1
5	STD-160	WASHER, 1/4 lock, internal teeth	1
6	LW-16266-10-63	CLAMP, 5/8 I.D. x No. 10 screw	1
7	STD-969	SCREW, No. 10-32 x 1/2 long, fill, hd.	1
8	STD-670	LOCKNUT, No. 10-32	
9	75371	GASKET, Turbo oil inlet adapter	1
10	LW-14465	ADAPTER, Turbo oil	1
11	STD-33	WASHER, 3/8 plain	2
12	STD-678	WASHER, 3/8 lock, internal teeth	_ 2
13	LW-38-0.75	BOLT, 3/8-16 x 3/4 long, hex. hd.	2
14	78212	CHECK VALVE ASSY.	
15	06B22275	GASKET, Turbo drain tank	1
16	58B22273	TANK, Turbo oil drain	1
17	AN816-4	NIPPLE, 1/8 NPT to 1/4 tube	I
18	MS20823-8	ELBOW, 1/2 flared tube, 3/8 NPT	1
19	STD-33	WASHER 3/8 plain	2
20	STD-678	WASHER, 3/8 lock, internal teeth	2
21	LW-38-0.75	BOLT, 3/8-16 x 3/4 long, hex, hd.	2
22	MS29512-08	"O" RING, 41/64 I.D. x 5/64 section	1
23	LW-10637*	ELBOW, 90°, 1/2 tube, 3/4-16 thread	1
24	LW-12798-4S274	HOSE ASSY., 1/4 hose, straight	1
25	73136	BRACKET, Extension, fuel inj, line	1
26	LW-16266-10-63	CLAMP, 5/8 I.D. x No. 10 screw	1
27	STD-425	WASHER, No. 10 plain	1
28	STD-860	SCREW, No. 10-32 x 5/8 long, fill, hd.	1
29	STD-63	NUT, No. 10-32 plain	1
_30	LW-16266-25-63	CLAMP, 5/8 I.D. x 1/4 dia. screw	. 1
31	LW-14848-8S360	HOSE ASSY., 1/2 hose, 90° elbow	1
32	LW-16266-10-88	CLAMP	1
33	76734	ZIP STRAP	3
34	07A22274	BRACKET, Turbo drain tank	
35	STD-860	SCREW, No. 10-32 x 5/8 long, fill, hd,	2
36	STD-425	WASHER, No. 10 plain	2
37	STD-251	WASHER, No. 10 internal lock	3
38	STD-63	NUT. No. 10-32 plain	. 2
39	MS20822-4	ELBOW, 1/8 NPT to 1/4 tube, 90°	1

^{*} Uses a P/N MS29512-08 O-ring.



Conexión de los cables de control de mezcla y potencia





Conexión cables de control mezcla y potencia a unidad de control





Anexo M. Conexión Control de Mezcla

CESSNA AIRCRAFT COMPANY MODEL 206/T206

FUEL MIXTURE CONTROL - MAINTENANCE PRACTICES

1. General

- The mixture control is a push-pull type that incorporates a knurled friction knob, which prevents vibration induced "creeping" of the control. The ball bearing type rod end on the throttle is secured to the engine with a predrilled steel AN bolt, castellated nut and cotter pin.
 - Steel AN bolts with an undrilled shank are identified with an 'A' suffix (AN3-6A), A steel bolt of the same size, with the shank drilled for castellated nut and cotter pin is identified as AN3-6. Aluminum bolts and undrilled bolts must not be used in this application.
- When adjusting the fuel mixture control, it is important to check that fuel mixture control slides smoothly throughout its full range of travel, that it adjusts through its full vernier range and the mixture arm operates through its full arc of travel. Do not lubricate fuel mixture control. If excessive binding is noticed, replace fuel mixture control.
- Whenever engine controls are being disconnected, pay particular attention to the exact position, size and number of attaching parts for reconnecting controls.

2. Fuel Mixture Control Removal/Installation

- Remove Fuel Mixture Control (Refer to Figure 201).
- Remove engine cowl. Refer to Chapter 71, Cowls Removal/Installation.
 Remove cotter pin, nut, bolt and washers securing mixture control rod end to fuel/air control unit mixture arm. Discard cotter pin.
- Remove rod end, nut and jamnut from fuel mixture control.
- Remove nuts, bolts, and clamp securing fuel mixture control cable to cable bracket.
- Remove fuel mixture control nut and washer from forward side of firewall.
- In the cockpit/cabin area, remove fuel mixture control nuts and washers from forward side of instrument panel and aft side of firewall.
- Carefully pull fuel mixture control through firewall and instrument panel and remove from
- B. Install Fuel Mixture Control (Refer to Figure 201).
 - When installing fuel mixture control, ensure that control is routed exactly as previously installed. Ensure that no binding or preloading occurs from a too small bend radius.
 - In the cabin/cockpit area, carefully route fuel mixture control through instrument panel, and then place washers and nuts over fuel mixture control.
 - Route fuel mixture control through firewall.
 - Secure fuel mixture control to instrument panel by tightening nut against washer at instrument
 - Position washer and nut on fuel mixture control on the aft side of firewall.
 - In the engine compartment, place washer and nut over fuel mixture and secure against firewall.
 - Install jamnut, nut, and rod end on fuel mixture control and tighten.
 - Attach mixture control rod end to fuel/air control unit mixture arm with bolt, washers, nut. Torque nut to 30 inch-pounds and then continue tightening nut until cotter pin hole lines up with castellations in nut. Do not exceed 50 inch-pounds. Install new cotter pin.
 - Install nuts, bolts, and clamp securing fuel mixture control cable to cable bracket.

 Check mixture control adjustment. Refer to Fuel Mixture Control Adjustment/Test.
 - (9) Check mixture control adjustment. Refer to Fuel Mixture Control Adjustment (10) Install engine cowl. Refer to Chapter 71, Cowls Removal/Installation.

3. Fuel Mixture Control Adjustment/Test

- A. Check Fuel Mixture Control.
 - Push fuel mixture control full in and verify that mixture arm on fuel/air control unit is fully open

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL INSTRUMENT FIREWALL PANFI WASHER KNOB NIT FUEL/AIR CONTROL UNIT MIXTURE ARM JAMNUT WASHER DETAIL A BOLT WASHER ROD END **Fuel Mixture Control** Figure 201 (Sheet 1) 76-11-00 Page 202 Cessna Aircraft Company

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Anexo M. Conexión Control de Potencia

CESSNA AIRCRAFT COMPANY MODEL 206/T206

THROTTLE CONTROL - MAINTENANCE PRACTICES

1. General

- The throttle control is a push-pull type that incorporates a knurled friction knob, which prevents vibration induced "creeping" of the control. The ball bearing type rod end on the throttle is secured to the engine with a predrilled steel AN bolt, castellated nut and cotter pin.
 - Steel AN bolts with an undrilled shank are identified with an "A" suffix (AN3-6A). A steel bolt of the same size, with the shank drilled for castellated nut and cotter pin is identified as AN3-6. Aluminum AN bolts are not to be used in this application.
- When adjusting the throffle control it is important to check that throffle control slides smoothly throughout its full range of travel, that it locks securely with the friction lock and the throttle arm operates through its full arc of travel. Do not lubricate throttle control. If excessive binding is noticed,
- Whenever engine controls are being disconnected, pay particular attention to the exact position, size and number of attaching parts for reconnecting controls.

2. Throttle Control Removal/Installation

- Remove Throttle Control (Refer to Figure 201).
 (1) Remove engine cowl. Refer to Chapter 71, Cowl Removal/Installation.
 - Remove cotter pin, castellated nut, bolt, and washers securing throttle control rod end to fuel/air control unit throttle arm. Discard cotter pin.
 - Remove rod end and jamnut from throttle control.

 - Remove nuts, bolts, and clamp securing throttle control cable to cable bracket. Remove throttle control lamnut and lock washer from forward side of firewall.
 - Inside the cockpit/cabin area, loosen throttle control jamnuts and lockwashers from forward side
 - of instrument panel and aft side of firewall. Carefully pull throttle control through firewall and instrument panel removing lock washers and
- B. Install Throttle Control (Refer to Figure 201).
 - When installing throttle control, ensure that control is routed exactly as previously installed. Ensure that no binding or preloading occurs from a too small bend radius.
 - Inside the cockpit/cabin area, carefully route throttle control through instrument panel and then place lockwashers and jamnuts over throttle control.
 - Route throttle control through firewall and position throttle control in instrument panel.
 - Secure throttle control in instrument panel by tightening jamnut against lock washer at instrument
 - Position lockwasher and locknut on throttle control on aft side of firewall.
 - In the engine compartment, place lockwasher and jamnut over throttle control and secure against
 - Install jamnut and rod end on throttle control.
 - Attach throttle control rod end to fuel/air control unit throttle arm with bolt, washers, castellated
 - install nuts, bolts, and clamp securing throttle control cable to cable bracket
 - (9) Adjust throttle control as required. Refer to Throttle Control Adjustment/Test.
 (10) Install engine cowl. Refer to Chapter 71, Cowls Removal/Installation.

3. Throttle Control Adjustment/Test

- Check Throttle Control (Refer to Figure 201).

 - (1) Pull throttle control knob full out and check that idle stop on throttle body is contacted.

 (2) Push throttle control knob full in and check that full power stop on throttle body is contacted.

CESSNA AIRCRAFT COMPANY MODEL 206/T206 JAMNUT TUBE LOCK WASHER WASHER WASHER FRICTION NUT ROD-HEAD JAMNUT KNOB TUBE ASSEMBLY SUPPORT SWIVEL SEAL CONDUIT CAP LOCK WASHER BULKHEAD FITTING THROTTLE ARM LOCK WASHER **JAMNUT** DETAIL A WASHER JAMNUT **COTTER PIN** CASTELLATED NUT WASHER WASHER WASHER BOLT ROD END DETAIL B Throttle Control Installation Figure 201 (Sheet 1) 76-10-00 Page 202

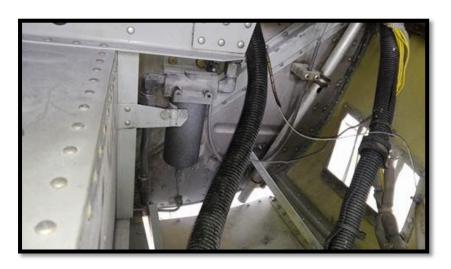
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Conexión líneas de salida de combustible al filtro de combustible







Conexión de los sensores de EGT y de TIT





Conexión del sensor de CHT







Anexo N. Sensores de Temperatura

CESSNA AIRCRAFT COMPANY MODEL 206/T206

ENGINE TEMPERATURE - DESCRIPTION AND OPERATION

1. Description

A. The section that follows has removal and installation procedures for the system which will show different temperatures in the engine. The system that shows the temperature for the engine includes the indicators and probes for the cylinder head temperature (CHT), exhaust gas temperature (EGT) for the non-turbo airplanes, oil temperature, and the turbine inlet temperature (TIT) for airplanes with a turbo engine. For airplanes that have the Garmin G1000 avionics system, the CHT, EGT, oil temperature, and TIT indications are given on the Multi Function Display (MFD).

Operation

Non-Turbocharged Airplanes.

(1) On the non-turbocharged airplanes, the EGT system is used to measure the temperature of the exhaust gas. The measurement gives an indication of the fuelfair mixture for the pilot. The system has one indicator installed in the instrument panel, which gives the two functions that show the EGT and CHT information. A probe installed in the exhaust and a probe installed in a cylinder, send the temperature information to the TITCHT indicator. The oil temperature sending unit is installed in the accessory case and gives the oil temperature in degrees Fahrenheit. On airplanes with Gamin G1000, each cylinder has EGT and CHT probes.

Turbocharged Airplanes.

(1) On turbocharged airplanes, the TIT system is used to measure temperature of the exhaust gas as it enters the turbine. The measurement gives an indication of the fuel/air mixture for the pilot. The system has one indicator installed in the instrument panel, which gives two functions that show the TIT and CHT information. A probe installed in the turbine inlet and a probe installed in a cylinder, send the temperature information to the TIT/CHT indicator. The oil temperature sending unit is installed in the accessory case and gives the oil temperature in degrees Fahrenheit. On airplanes with Garmin G1000, each ovlinder has EGT and CHT probes.

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL

ENGINE TEMPERATURE - MAINTENANCE PRACTICES

1. General

 A. Maintenance of the engine temperature system is only the removal and installation of the different components.

2. EGT/CHT Indicator Removal/Installation

NOTE: The procedures that follow are for airplanes with standard avionics.

A. Remove the EGT/CHT Indicator (Refer to Figure 201).

NOTE: The EGT indicator has CHT readings on the right side of the instrument.

(1) Get access to the back side of the indicator

(2) Disconnect the electrical connector from the indicator.

- (3) Remove the screws that attach the indicator to the instrument panel and remove the indicator from the airplane.
- B. Install EGT/CHT Indicator (Refer to Figure 201).
- (1) Put the indicator in the instrument panel and install the screws.
- (2) Connect the electrical connector to the indicator. Reset the socket connectors as necessary for a tight fit.

3. TIT/CHT Indicator Removal/Installation

NOTE: The procedures that follow are for airplanes with standard avionics.

A. Remove the TIT/CHT Indicator (Refer to Figure 201).

NOTE: The cockpit-mounted TIT indicator also has CHT readings on the right side of the instrument.

- (1) Get access to the backside of the indicator.
- (2) Disconnect the electrical connector from the indicator.
- (3) Remove the screws that attach the indicator to the instrument panel and remove the indicator from the airplane.
- B. Install the TIT/CHT Indicator (Refer to Figure 201).
 - (1) Put the indicator in the instrument panel and install the screws.
 - Connect the electrical connector to the indicator. Reset the socket connectors as necessary for a tight fit.

4. EGT Probe Removal/Installation

A. Remove the EGT Probe (Refer to Figure 202).

NOTE: Airplanes with the Garmin G1000 will have a probe for each exhaust riser.

NOTE: The EGT probe is welded to the clamp.

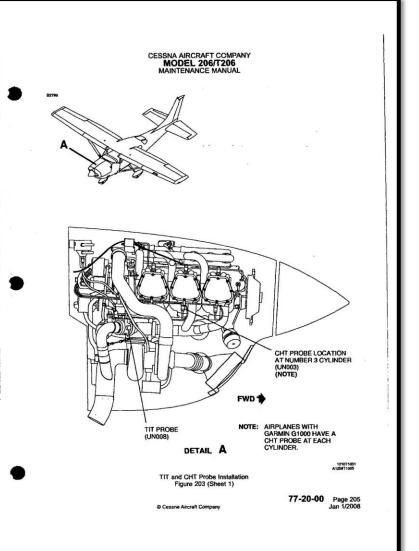
(1) Remove the engine cowling. Refer to Chapter 71, Cowls - Maintenance Practices.

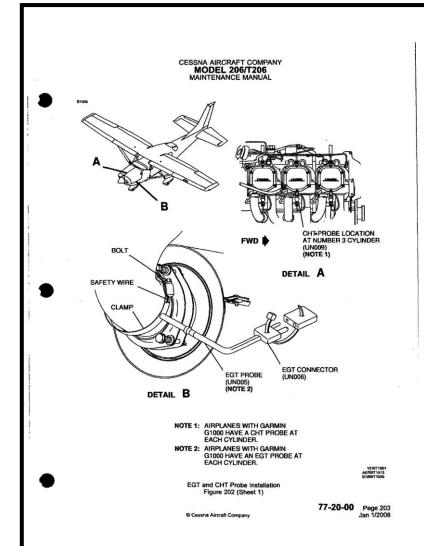
CAUTION: Make sure that the exhaust system is cool before the probe is

- Disconnect the electrical connector from the EGT probe.
- (3) Cut and remove the safety wire from the EGT probe clamp and screw.
- (4) Loosen the clamp screw.

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Anexo N. Sensores de Temperatura





Instalación del gobernador de la hélice



Anexo O. Instalación del Gobernador

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL

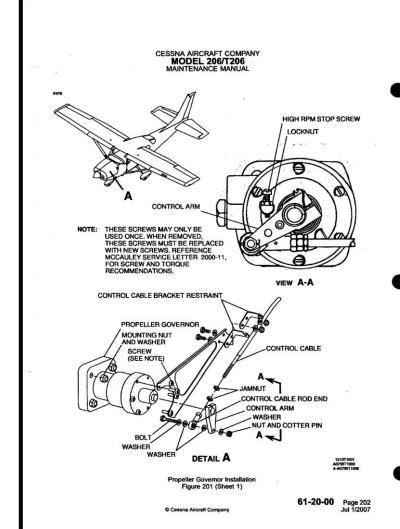
PROPELLER GOVERNOR - MAINTENANCE PRACTICES

1. General

- A. The propeller governor is a single-acting, centrifugal type, which boosts oil pressure from the engine and directs it to the propeller where the oil is used to increase blade pitch. The governor is mounted on the forward, upper left side of the engine.
- B. Maintenance practices consist of removal and installation of the propeller governor, high RPM stop adjustment, and rigging of the governor control. For additional information, troubleshooting, adjustments, and maintenance procedures not addressed in this section, see the applicable McCaulley Service Manual. Refer to Introduction, List of Manufacturers Technical Publications.

2. Propeller Governor Removal and Installation

- A. Remove Propeller Governor (Refer to Figure 201).
 - (1) Remove all power from airplane.
 - WARNING: Exercise care when working with the propeller. Always treat the propeller as if the ignition switch were on. Do not stand, nor allow anyone else to stand, within the arc of the propeller. Ensure magneto switch is in the off position before turning propeller.
 - (2) Remove cowl assemblies as required for access to propeller governor located forward on left side of engine.
 - (3) Remove cotter pin, nut, washers, and bolt securing control cable to control arm.
 - NOTE: Identify washers and position of washers for use when reconnecting control cable to control arm.
 - (4) Loosen bolts to restraint bracket securing control cable to control cable bracket. Remove control cable from bracket
 - (5) Remove nuts and washers securing propeller governor to engine.
 - (6) Remove propeller governor and mount gasket.
- B. Install Propeller Governor (Refer to Figure 201).
 - Clean mating surfaces of propeller governor and engine mounting surface.
 - (2) Install new mount gasket.
 - WARNING: Exercise care when working with the propeller. Always treat the propeller as if the ignition switch were on. Do not stand, nor allow anyone else to stand, within the arc of the propeller. Ensure magneto switch is in the off position before turning propeller.
 - WARNING: Ensure magneto is grounded before turning propeller.
 - CAUTION: Do not force spline engagement. Rotate crankshaft slightly and splines will mesh smoothly when properly aligned.
 - (3) Position propeller governor and secure to engine with washers and nuts.
 - 4) Position control cable in control cable bracket. Install restraint bracket and secure by tightening
 - Secure control cable to control arm with bolt, washers, and nut.
 - (a) Torque nut to 30 inch-pounds.



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Reconectar líneas de magnetos y los arneses a las bujías



Conexión del ducto flexible a la válvula de calentamiento



Instalación de abrazadera en el ducto del turbo cargador



Conexión del ducto flexible a la cubiert delantera



Inspección de líneas y controles por seguridad y movimiento



Conexión del cable positivo y negativo a la batería



Anexo P. Instalación de la Batería

CESSNA AIRCRAFT COMPANY MODEL 206/T/206 MAINTENANCE MANUAL

BATTERY - MAINTENANCE PRACTICES

1. Genera

A. The battery is a 24-Volt, 12.75 Amp-hour, flooded lead-acid type. It is installed in the battery box on the iront-right side of the firewall. In arrighness with the optional propeller heat, the battery is a heavy duty 24-Volt, 15.5 Amp-hour, lead-acid type.

NOTE: The Amp-hour rating is based on a five hour discharge rate.

2. Battery Removal/Installation

- Remove the Battery (Refer to Figure 201).
 - (1) Remove the upper right cowl. Refer to Chapter 71, Cowls Maintenance Practices.
 - (2) Remove the battery box top cover.

CAUTION: Disconnect the negative battery cable first, then the positive cable. This will prevent an accidental short of the battery from hand tools.

- (3) Disconnect the negative and positive cable from the battery.
 (4) Remove the battery from the airplane.
- B. Install the Battery (Refer to Figure 201).

CAUTION: Do not tighten the hold-down bolls too much or you will damage the hold-down strap.

(1) Place the battery in the battery support assembly.

CAUTION: Connect the positive battery cable first, then the negative cable. This will prevent an accidental short of the battery from hand tools.

- (2) Connect the positive and negative battery cables.
- (3) Install the top cover to the battery support assembly.
- (4) Install the upper right cowl, refer to Chapter 71, Cowls Maintenance Practices.

. Battery Cleaning

A. Clean the Battery (Refer to Figure 201).

NOTE: For correct operation, the battery and connections must be clean at all times.

- (1) Remove the battery. Refer to Battery Removal/Installation.
- (2) Tighten the battery cell filler caps to prevent the cleaning solution from entering the cells.
- 3) Use a clean cloth moistened with a solution of bicarbonate (baking soda) and water to clean the battery cable ends, battery terminals and the surfaces of the battery.
- (4) Rinse with clear water.
- (5) Use a dry cloth to clean off the water and let the battery dry.
- (6) Polish the cable ends and battery terminals with an emery cloth or a wire brush.
- (7) Install the battery. Refer to Battery Removal/Installation.
 (8) Apply petroleum jelly or an ignition spray product to the battery terminals to decrease corrosion.

. New Battery Activation

- A. Activate the New Battery.
 - Do a specific gravity check to make sure the correct strength of electrolyte is used. The electrolyte must be 1.285 +0.005 or -0.005 specific gravity when it is measured between 75°F to 85°F (24°C to 30°C).
 - To charge a new battery, use the manufacturer's instructions supplied with the battery.

24-30-00 Page 201 Dec 2/2002

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL TOP COVER BATTERY SUPPORT POSITIVE CABLE WASHER WING NUT NEGATIVE CABLE FRONT COVER BATTERY GROUND BATTERY TO JUNCTION BOX DETAIL A Battery installation Figure 201 (Sheet 1) 24-30-00 Page 202

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Instalación de las capotas del motor





Anexo Q. Instalación de las Capotas del Motor

CESSNA AIRCRAFT COMPANY MODEL 206/T206

COWLS - MAINTENANCE PRACTICES

Description and Operation

The engine cowl consists of upper sheet metal halves (also, on turbocharged airplanes, a removable lower right side cowl) and left and right composite nose cap. The cowl is attached using quick-release, quarter turn fasteners to allow for easy removal and installation. The nose pieces are attached to each other using screws and nutplates.

2. Cowl Removal/Installation

A. Remove Cowl (Refer to Figure 201).

(1) Release quick- release fasteners around perimeter of left and right upper cowl.

Remove left and right upper cowls.

Remove screws securing left nose cap assembly from right nose cap assembly. Remove screws securing left and right nose cap assemblies to lower cowl.

Remove nose cap assemblies.

On turbocharged airplanes, remove screws around sides and bottom of lower right cowl.

Remove lower right cowl

Instalt Cowl (Refer to Figure 201).

(1) On turbocharged airplanes, install lower right cowl to engine area and secure using screws.

Attach left nose cap to right nose cap and lower cowl using screws.

Install left and right upper cowls to engine area and secure using quick-release fasteners.

A. For repair procedures to the cowl, refer to the Single Engine Models 172,172, 206H/T206H 1996 and On Structural Repair Manual.

Cowl Flap Removal/Installation

A. Remove Cowl Flap (Refer to Figure 202).

(1) Place cowl flap control lever in the OPEN position.

Disconnect cowl flap control clevises from cowl flap shock mounts.

Remove safety wire securing hinge pins to cowl flaps, pull hinge pins and remove cowl flaps.

Install Cowl Flap (Refer to Figure 202).

Install cowl flaps using hinge pins. Secure hinge pins to cowl flaps using safety wire.

Connect cowl flap control clevises to cowl flap shock mounts.

Rig cowl flaps, if necessary.

5. Cowl Flap Rigging (206H)

A. Rig Cowl Flap (Refer to Figure 202).

Disconnect cowl flap control clevises from cowl flap shock mounts

Check to make sure that the flexible controls reach their internal stops in each direction. Mark controls so that full travel can be readily checked and maintained during the remaining rigging

Place cowl flap control lever in the CLOSED position. If the control lever cannot be placed in the closed position, adjust controls at upper clevis to position control lever in bottom hole of position

With the control lever in CLOSED position, hold one cowl flap closed, streamlined with trailing edge of lower cowl. Loosen jam nut and install bolt through clevis and shock-mount.

NOTE: Be sure threads are visible in clevis inspection holes.

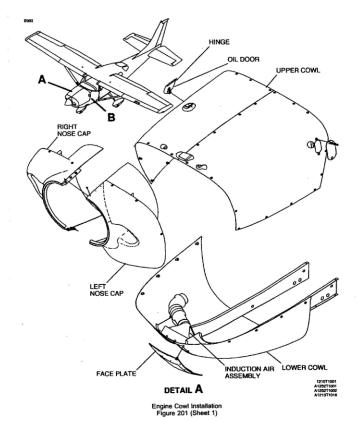
Repeat the preceding step for the opposite cowl flap.

When cowl flaps are lowered they should be open 5.50 inches (minimum), and flush closed when measured in a straight line from the aft edge of cowl flap to lower edge of firewall,

Check that all clamps and jam nuts are tight.

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CESSNA AIRCRAFT COMPANY MODEL 206/T206



Cessna Aircraft Company

71-10-00 Page 202

INSTALACIÓN DE LA HÉLICE

Limpieza de la superficie del conjunto de la hélice

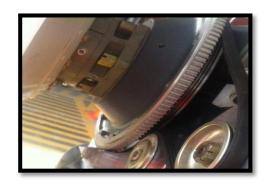




Montaje de la hélice

Instalación y aplicación del nuevo Oring





INSTALACIÓN DE LA HÉLICE

Instalación de las tuercas de sujeción





Instalación de la tapa cubo



Anexo R. Instalación de la Hélice

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL

PROPELLER - MAINTENANCE PRACTICES

1. Genera

A. The airptane is installed with a three-bladed, constant-speed metal propeller. The maintenance practices that follow have the removal and installation procedures of the spinner and propeller. For additional information, troubleshooting, adjustments, and maintenance procedures not supplied in this section, refer to the applicable McCauley Service Manual. Refer to the List of Manufacturers Technical Publications in the introduction.

2. Spinner Removal/Installation

- A. Remove the Spinner (Refer to Figure 201).
- (1) Disconnect all electrical power from the airplane.
 - (2) Make sure the magneto switch is in the off position and is electrically grounded before you turn the propeller.

WARNING: Do not stand or let anyone stand close to the propeller. Do maintenance as if the power to the propeller is always on.

- (3) Remove the screws and washers that attach the spinner to the spinner bulkhead assembly.
- (4) Remove the spinner, spinner stabilizer and spacers from the propeller assembly.
 (a) Write the number of spacers that is removed for installation of the spinner.
- B. Install the Spinner (Refer to Figure 201).

WARNING: Do not stand or let anyone stand close to the propeller. Do maintenance as if the power to the propeller is always on.

- (1) Make sure the magneto switch is in the off position and is electrically grounded before you turn the propeller.
- (2) Put the spacers, spinner stabilizer and spinner on propeller assembly.
- (3) Lightly press the spinner against the spinner stabilizer.
- (4) Examine the alignment of the mounting holes in the spinner with the holes in the spinner bulkhead assembly.
 - (a) Without an increase of pressure on the spinner, the mounting holes in the spinner must be set approximated 0.050 inch (1.30 mm) forward of the true center of the holes in the spinner bulkhead assembly. Add or remove spacers as necessary to set the holes in the
- (5) Push on the spinner until the spinner mounting holes are aligned with the spinner bulkhead assembly holes and install four screws and washers equally spaced around the circumference of the spinner.
- (a) Use only the quantity of spacers that will let the correct alignment for the screws to be installed when you push against the spinner.
- (6) Release the force against the spinner and install the screws and washers that remain. Tighten all of the screws equally around the spinner.
- (7) Install the brush block if necessary.

CAUTION: Make sure you remove minimal spinner material as necessary to give minimum clearance between the spinner and the propeller blades.

- (8) File the spinner in the propeller blade cutout area to give a minimum clearance of 0.14 inch (3.56 mm) if necessary.
- Sand the sharp edges with 400 grit abrasive paper or cloth and restore the corrosion protection.
- (10) Install the cowl assemblies.

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL ENGINE STARTER RING GEAR SUPPORT SPINNER BULKHEAD ASSEMBLY PROPELLER ASSEMBLY **OVERSIZED** BUSHING WASHER SCREW COUNTERBORED HUB MOUNTING BOLT SPACER SPINNER STABILIZER PROPELLER BLADE CUTOUT SPINNER DETAIL A Propeller and Spinner Installation Figure 201 (Sheet 1) 61-10-00 Page 202 © Cassna Aircraft Company

61-10-00 Page 201 Apr 5/2004

Anexo R. Instalación de la Hélice

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL Propeller Removal/Installation Remove the Propeller (Refer to Figure 201). Disconnect all electrical power from the airplane. Make sure the magneto switch is in the off position and is electrically grounded before you turn WARNING: Do not stand or let anyone stand close enough to the propeller to be hit by it. Maintenance must be done as if the power to the propeller is always on. Remove the spinner. Refer to Spinner Removal/Installation. Remove the cowl assemblies as necessary to get access to the propeller mounting bolts. (a) If the airplane is installed with a optional prop deice system, remove the brush block assembly before you remove the propeller to prevent possible damage to the brush. Remove the safety wire from the mounting bolts. Remove the mounting bolts. indee are induring outs. The propeller mounting bolts must be magnetic particle inspected per ASTM E-1414 or liquid penetrant inspected per ASTM E-1417 or replaced at every overhaul. Propeller mounting bolts must be replaced whenever the propeller is involved in a blade strike. Equally loosen the mounting bolts approximately 0.25 inch (6 mm). Pull the propeller assembly forward, using the 0.25 inch (6 mm) given from the loosened NOTE: As the propeller assembly is separated from the engine crankshaft, oil will drain from the propeller and engine crankshaft cavities. (d) Continue to equally loosen the bolts and pull the propeller assembly forward, 0.25 inch (6 mm) at a time, until all the nuts are removed. (7) Remove the propeller assembly and O-ring from the engine propeller shaft. install the Propeller (Refer to Figure 201). Clean the mating surfaces of the propeller assembly, spinner bulkhead assembly, engine prop shaft Apply a layer of MIL-L-7711 lubricant, or equivalent, to the new O-ring and engine prop shaft. Install the new O-ring. Carefully slide the propeller assembly onto the engine propeller shaft. Make sure to align the propeller assembly as you install it. Install the mounting bolts. Tighten the mounting botts incrementally in a crossing pattern to a torque of 60 foot-pounds, +5 or -5 foot-pounds (81 N-m +7 or -7 N-m). Install safety wire to the mounting bolts in sets of two or three bolts. Refer to Chapter 20, Safetying - Maintenance Practices. Examine the engine oil and service as necessary. Install the spinner. Refer to Spinner Removal/Installation 61-10-00 Page 203 © Cessna Aircraft Company

SERVICIO DE ACEITE EN EL MOTOR



Anexo S. Servicio de Aceite

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL

ENGINE OIL - SERVICING

1. Genera

A. This section gives instructions to examine and replace the engine oil.

2. Oil Change Intervals

NOTE: An inspection of the oil filter can help find unusual engine wear. Refer to the Lycoming Service Bulletin 480D or the latest revision.

A. Non-turbocharged engines.

NOTE: Non-turbocharged airplanes are from the factory with aviation grade mineral oil which agrees with SAE J1966.

- (1) You must frequently do a check of the oil level and can possibly have to add oil during the first 25 hours of engine operation. Use an avisition grade mineral oil of the required viscosity which agrees with SAE J1966. Refer to Engine Oil Check.
- (2) After the first 25 hours, drain the engine oil and replace the oil filter. Fill the engine through the oil filter tube with aviation grade mineral oil of the required viscosity which agrees with SAE J1966. Refer to Engine Oil Change.
- (3) Continue to use the aviation grade mineral oil until the airplane completes a total of 50 hours of engine operation or oil consumption is stabilized. You must then drain the engine oil, replace the oil filter and add ashless dispersant oil to the engine. Refer to Engine Oil Change.
- (4) For more information on engine oil replacement intervals, refer to Chapter 5, Inspection Time Limits.

B. Turbocharged Engines.

CAUTION: During the engine break-in period, the turbocharged engines use only ashless dispersant oil which agrees with SAE J1899.

- (1) You must frequently do a check of the oil during the first 25 hours of engine operation. You can possibly have to add oil. Jose an ashless dispersant oil of the required viscosity which agrees with SAE J1899. Refer to Engine Oil Check.
- (2) After the first 25 hours, drain the engine oil and change the oil filter. Fill the engine through the oil filler tube with ashless dispersant oil of the required viscosity which agrees with SAE J1889. Refer to Engine Oil Change.
- (3) Operate the engine until lit completes a total of 50 hours of engine operation or oil consumption is stabilized. You must then drain the engine oil, replace the oil filter and add ashless dispersant oil to the engine. Refer to Engine Oil Change.

) For additional engine oil replacement intervals, refer to Chapter 5, Inspection Time Limits.

3. Engine Oil Level

A. Engine Oil Level Check. Refer to Figure 301.

(1) Wait five to ten minutes after the engine has stopped, then examine the engine oil level on the dipstick.

NOTE: The airplane must be in a level position for the best indication.

- (a) Open the oil filler door in the right cowl.
- (b) Remove the dipstick from the oil filler tube.
- c) Clean the dipstick with a clean cloth.
- d) Fully put the dip stick into the oil filler tube and remove the dipstick.
- Examine the oil level on the dipstick.

CESSNA AIRCRAFT COMPANY MODEL 206/T206 MAINTENANCE MANUAL RIGHT COWL OIL FILLER DOOR LEFT COWL DETAIL A Oil Filler Door Figure 301 (Sheet 1) 12-14-02 Page 302 Cessna Aircraft Company

12-14-02 Page 301

COMPLIMIENTO AD 2013-11-11

[Federal Register Volume 78, Number 124 (Thursday, June 27, 2013)]
[Kules and Regulations]
[Pages 38552-38553]
From the Federal Register Online via the Government Printing Office [www.gpo.gov]
IFR Doc No: 2013-14995]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2012-1052; Directorate Identifier 2012-CE-014-AD; Amendment 39-17471; AD 2013-11-11]

RIN 2120-AA64

Airworthiness Directives; Cessna Aircraft Company Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: We are superseding AD 2000-04-01 that applies to certain Cessna Aircraft Company (Cessna) Models 172R, 172S, 182S, 182T, T182T, 206H, and T206H airplanes. AD 2000-04-01 currently requires an inspection of the engine oil pressure switch and, if applicable, replacement of the engine oil pressure switch. This AD increases the applicability of the AD, places a life-limit of 3,000 hours time-in-service on the engine oil pressure switch, and requires replacement when the engine oil pressure respective treaches its life limit. This AD was prompted by new reports of internal failure of the engine oil pressure switch, which could result in complete loss of engine oil with consequent partial or complete loss of engine power or fire. We are issuing this AD to correct the unsafe condition on these products.

DATES: This AD is effective August 1, 2013.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in the AD as of August 1, 2013.

ADDRESSES: For service information identified in this AD, contact Cessna Aircraft Company, Product Support, P.O. Box 7706, Wichita, Kansas 67277; telephone: (316) 517-5800; fax (316) 942-9006; Internet: www.cessna.com/customer-service/technical-publications.html. You may review copies of the referenced service information at the FAA, Small Airplane Directorate, 901 Locust, Kansas City, Missouri 64106. For information on the availability of this material at the FAA, call (316) 329-4148.

Examining the AD Docket

You may examine the AD docket on the Internet at http://www.regulations.gov; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal



AIRWORTHINESS DIRECTIVE

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

Cessna Aircraft Company: 2013-11-11: Amendment 39-17471; Docket No. FAA-2012-1052; Directorate Identifier 2012-CE-014-AD.

(a) Effective Date

This AD is effective August 1, 2013.

(b) Affected ADs

This AD supersedes AD 2000-04-01, Amendment 39-11583 (65 FR 8649, February 22, 2000).

(c) Applicability

This AD applies to Cessna Aircraft Company Models 172R, serial numbers (S/N) 17280001 through 17281618; 172S, S/N 17258001 through 172511256; 182S, S/N 18280001 through 18280944; 182T, S/N 18280945 through 18282357; T182T, S/N T18208001 through T18209089; 206H, S/N 2060801 through 20608349; and T206H, S/N T20608001 through T20609079; certificated in any category.

(d) Subject

Joint Aircraft System Component (JASC)/Air Transport Association (ATA) of America Code 7931, Engine Oil Pressure.

(e) Unsafe Condition

This AD was prompted by new reports of internal failure of the improved engine oil pressure switch, which could result in complete loss of engine oil with consequent partial or complete loss of engine power or fire. We are issuing this AD to increase the applicability of the AD and place a lifelimit of 3,000 hours time-in-service (TIS) on the engine oil pressure switch, requiring replacement when the engine oil pressure switch reaches its life limit.

(f) Compliance

Comply with this AD within the compliance times specified, following Cessna Service Bulletin SB 07-79-01, dated January 29, 2007, unless already done.

(g) Actions

(1) At the next scheduled oil change, annual inspection, or 100-hour time-in-service (TTS) inspection after August 1, 2013 (the effective date of this AD), whichever occurs later, but in no case later than 12 months after August 1, 2013 (the effective date of this AD), inspect the engine oil pressure switch to determine if it is part-number (P/N) 77041 or P/N 83278.

(2) If after the inspection required in paragraph (g)(1) of this AD, P/N 77041 engine oil pressure switch is installed, before further flight, replace the engine oil pressure switch with a new, zero time,

5

REEMPLAZO DE PROBETA DE EGT

COMPANIA DERO SARAYAN TAYJA SARUTA FORMULATIO OPRIARNY. 002

MANTENIMIENTO - ESTADISTICA

RECORD DE VIDA DEL MOTOR PERTENECIENTE A LA AERONAVE MATRICULA HC-CPS POSICION MOTOR CENTRAL TIPO LYCENSUS TRESUS SERIE RL-10018-61E

AÑO	M E S		HORAS	HORAS	SERVICIOS Y TRABAJOS		
2016	JULO		25	25			* SE REALDO LA INSTALACIÓN DEL MOTOR YCOMPAG TRO-540-
					AJLA, SERSE; RU-10018-GIE.		
					* SE REALIZO DE ACUERDO AI SERVICE HANDA ATA 71		
					" POWER PLANT", TOOKS LOS PROCEDENTOS DE		
					TRABOSO SE REAGRARDA VERRECCIONOS LAS INSTRUCCIONES		
					QUE CONTERPOND EN HENCEDNOOD CAPITOLO.		
					* SE DO TORQUE A LOS SHOCK TOUNTS DE 450-		
					500 PUCH-POUNDS, QUE IN OPEN EN EL PRICERDO B,		
					71-00-01, ADE 202.		
					* SE REMOUTS EL ACEPTE PRESERVANTE Y SE PUSO ACEPTE		
					MRJERAL AEROSHEU LOO, Y SE REUPSO TODOS LOS		
					ACCESDRESS DEL MOTOR.		
					* SE CAMBRÓ EL SWATCH OIL PRESS PIN: 83278,		
					* SE CAMBRO LA PROBE EGT P/N-86255.	DRINGER	

ANEXO N. Forma 8130-3 Probeta de EGT

	ing Civil Aviation ority/Country:	2. A W T		3. Form Tracking Number:			
FAA/L	INITED STATES	AU	THORIZED RE	2096			
Alcor,	,	., San Anto	nio, Texas 78216 (PQ0148SW)			5. Work Order/Contract/Invoice Number: 000866 PAGE 2 OF 2	
6. Item:	7. Description:		8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
6. 7. 8.	PROBE; CHT BAY PROBE; C/A E PROBE; C/A CLAM	GT IP TYPE .	86251 86255 86281	3 27 1	N/A N/A N/A	NEW NEW NEW	
9.	THERMOCOUPL UNGROUND		86343	4	N/A	NEW	
Above 13a. Certif Z Ap	listed parts meet spe	cial require we were man to in a condition	factured in conformity to: on for safe operation,	14 CFR 43.9 Return to Service Other regulation specified in Block 12 Certifies that anjess otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Tild-14. Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Autho	rized Signature:	ella.	13c. Approval/Anthorization No.: 465558288	14b, Authorized Sig	guature:	14c. Approval/Certificate No.:	
	(Typed or Printed): ıvana Viswanathan	and the second second	13e. Date (dd/mmm/yyyy): 28/Jun/2016	14d. Name (Typed	o r Frinted) :	14e. Date (dt/mmm/yyyy):	
				ller Responsibi			
t is import	ant to understand that the	existence of t	his document alone does not automati	cally constitute author	ority to install the sireraft engine/propell	er/article.	
	s essential that the user/in				ority different than the nirwarthiness aut ne(s)/propeller(s)/articles(s) from the nirv		
	in Blocks 13a and 14a do gulations by the user/insta			sireraft maintenance	e records must contain an installation cer	tification issued in accordance with the	

FAA Form 8130-3 (02-14)

NSN: 0052-00-012-9005

PRUEBA OPERACIONAL DEL MOTOR





CESSNA MODEL T206H NAV III GFC 700 AFCS SECTION 2
OPERATING LIMITATIONS

POWERPLANT INSTRUMENT MARKINGS

Powerplant instrument markings and their color code significance are shown in Figure 2-3. Operation with indications in the red range is prohibited. Avoid operating with indicators in the yellow range.

POWERPLANT INSTRUMENT MARKINGS

POWERPLANT INSTRUMENT MARKINGS						
INSTRUMENT	RED LINE (MIN)	RED ARC (LWR)	YELLOW ARC	GREEN ARC (NORMAL OPERATING RANGE)	RED ARC (UPR)	
Tachometer				2000 to 2400 RPM	2500* to 2700 RPM	
Manifold Pressure	-	-	-	15 to 30 in.hg.	39* to 45 in.hg.	
Cylinder Head Temperature				200 to 480°F	480* to 500°F	
Oil Temperature	-		_	100 to 245°F	245* to 250°F	
Oil Pressure		0 to 20 PSI		50 to 90 PSI	115* to 120 PSI	
Fuel Quantity	0 (2.5 Gallons Unusable Each Tank)		0 to 8 Gallons	8 to 35 Gallons		
Fuel Flow				0 to 20 GPH 34 GPH		
Vacuum Gage				4.5 to 5.5 in.hg.		
Turbine Inlet Temperature (T.I.T.) (°F)			-	1350 to 1675°F	1675* to 1700°F	

^{*}Maximum operating limit is lower end of red arc.

Figure 2-3*

FAA APPROVED T206HPHBUS-01



Anexo X. Finalización del Proyecto y Certificado de Aeronavegabilidad



A petición verbal de la parte interesada:

Yo, Tlgo. Arévalo Rodríguez Esteban Andrés en calidad de Director de Mantenimiento de la Compañía Aero Sarayaku Tayjasaruta S.A., me permito informar lo siguiente:

El proyecto de graduación elaborado por el Señor: TIPANTUÑA PALACIOS ANGEL JOEL con el Tema: "MONTAJE DEL MOTOR LYCOMING TIO-540-AJ1A, PERTENECIENTE A LA AERONAVE CESSNA T206H, CON MATRICULA HC - CPS" DE LA EMPRESA AERO SARAYAKU TAYJASARUTA S.A.".

Ha sido efectuado en forma satisfactoria y el mismo que cuenta con todas las garantías de funcionamiento, por lo cual existiendo este aval respalda el trabajo realizado por el mencionado estudiante y además agradeciendo a la UNIDAD DE GESTIÓN DE TECNOLOGÍAS ESPE, por ayudar al desarrollo de la aviación en el Ecuador.

Tigo.- Andrés Arévald Competition DIRECTOR DE MANTENIMIE DIRECTOR DE MANTENIMIE DIRECTOR DE MANTENIMIE DE LA COMPETATION DEL COMPETATION DE LA COMPETATION DE LA COMPETATION DE LA COMPETATION DE LA COMPETATION DEL COMPETATION DE LA COMPETATION DE



CONCLUSIONES

- Luego de obtener los manuales actualizados necesarios para realizar el montaje del motor se pudo realizar el trabajo de acuerdo a lo establecido en los mismos.
- Con los accesorios necesarios del motor ya comprados se realizó el montaje del motor.
- Con las herramientas de trabajo en buena condición y calibradas se realizó el trabajo.
- Se realizó el montaje de acuerdo a lo pre establecido en los manuales.
- Luego del montaje del motor se realizó una operación en tierra y en vuelo verificando su correcto funcionamiento.
- De acuerdo a los parámetros del motor se determinó el correcto funcionamiento del mismo, satisfaciendo los requerimientos operacionales.

RECOMENDACIONES

- Es importante contar con todos los manuales para seguir un orden claro.
- Siempre se debe utilizar las herramientas correctas revisando su calibración y su buen estado.
- Siempre se debe limpiar el lugar de trabajo para mantener en condición los componentes a ser trabajados.
- Se puede cerrar las aletas de refrigeración para calentar al motor más rápido.
- Para disminuir la temperatura del motor se puede variar la mezcla de combustible en rica.
- Para aumentar la temperatura del motor se puede variar la mezcla de combustible en pobre.
- La debida precaución para el manejo de herramientas a más de contar con equipo de protección.
- Realizar una inspección visual luego de cada trabajo para preservar la operación del motor.

