



SERVICE BULLETIN

No. 257

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"F.A.A. DOA EA-1 Approved"

October 10, 1967

<u>Subject:</u>	Piper Navajo Modifications (see below)
<u>Models Affected:</u>	PA-31 Navajo
<u>Compliance Date:</u>	Prior to but not later than the next 50 hours of operation
<u>Availability of Parts:</u>	Piper Dealer
<u>Expiration Date of Warranty:</u>	March 31, 1968

NOTE

There are five sections to this bulletin, therefore, each section must be carefully read. See serial numbers affected listed with each section.

Compliance cards have been furnished to each distributor and must be returned with the Warranty and Credit Claim to Piper Aircraft Corporation as soon as the items on this bulletin are completed.

SECTION I

<u>Subject:</u>	Securing of Roll Pins on Landing Gear Selector Mechanism
<u>Serial Numbers Affected:</u>	31-2 to 31-49 incl., 31-51, 31-53, 31-54, 31-56, 31-57
<u>Reason For Bulletin:</u>	Securing of landing gear selector mechanism roll pins with .040 steel safety wire.
<u>Material Required:</u>	.040 Steel Safety Wire
<u>Installation Instructions:</u>	See sketch attached
<u>Warranty Labor Allowed:</u>	One (1) Hour

(over)

SECTION II

Subject: Rerouting of wiring to engine combination gauge (oil pressure, oil temperature and cylinder head temperature)

Serial Numbers Affected: 31-2 to 31-59 incl.

Reason For Bulletin: Improve the routing of the associated wires to engine combination gauge (oil pressure, oil temperature and cylinder head temperature)

Material Required: Wire Rerouting Kit 757 173

Installation Instructions: Contained in Wire Rerouting Kit 757 173

Warranty Parts Allowed: Wire Rerouting Kit 757 173

Warranty Labor Allowed: Two (2) Hours

SECTION III

Subject: Fuel, Hydraulic and Oil Cooler Hose Replacement

Serial Numbers Affected: 31-2 to 31-54 incl., 31-69, 31-72

Reason For Bulletin: Installation of Fuel, Hydraulic and Oil Cooler Hoses covered with butyl rubber to increase longevity.

Material Required: Fuel, Hydraulic and Oil Cooler Hose Replacement Kit 757 176

Installation Instructions: Contained in Fuel, Hydraulic and Oil Cooler Hose Replacement Kit 757 176

Warranty Parts Allowed: Fuel, Hydraulic and Oil Cooler Hose Replacement Kit 757 176

Warranty Labor Allowed: Twelve (12) Hours

Disposition of Replaced Parts: Comply with Warranty and Credit Claim procedure.

Disposition of Material in Stock: Part numbers 41230-03, 41230-09, 41230-11 and 41230-12 must not be used - comply with Warranty and Credit Claim procedure.

SECTION IV

Subject: Replacement of Propeller Spinner and Propeller Spinner Bulkhead

Serial Numbers Affected: 31-2 to 31-64 incl., 31-66, 31-67

Reason For Bulletin: Cracks have occurred in the spinner assembly necessitating the installation of a new spinner installation kit, number 757 172.

Material Required: Propeller Spinner Replacement Kit No. 757 172 consisting of two (2) each Spinner Assembly, part number 43556-00, two (2) each Spinner Bulkhead, part number 43557-00 and two (2) each Spinner Cap, part number 23819-02.

Pre-Installation Instructions: Aircraft, serial numbers 31-2 to 31-39 incl., 31-41 to 31-44 incl. and 31-48 must comply with Hartzell Service Letter No. 50 (attached to this bulletin) prior to installation of the subject kit.

Warranty Parts Allowed: Propeller Spinner Replacement Kit 757 172

Warranty Labor Allowed: Three (3) Hours

Disposition of Replaced Parts: Comply with Warranty and Credit Claim procedure.

Disposition of Material in Stock: Part numbers 41888-00, 41889-00 and 41892-00 must not be used - comply with Warranty and Credit Claim procedure.

SECTION V

Subject: Replacement of Landing Gear Hydraulic Hand Pump Handle

Serial Numbers Affected: 31-2 to 31-82 incl.

Reason For Bulletin: Product Improvement

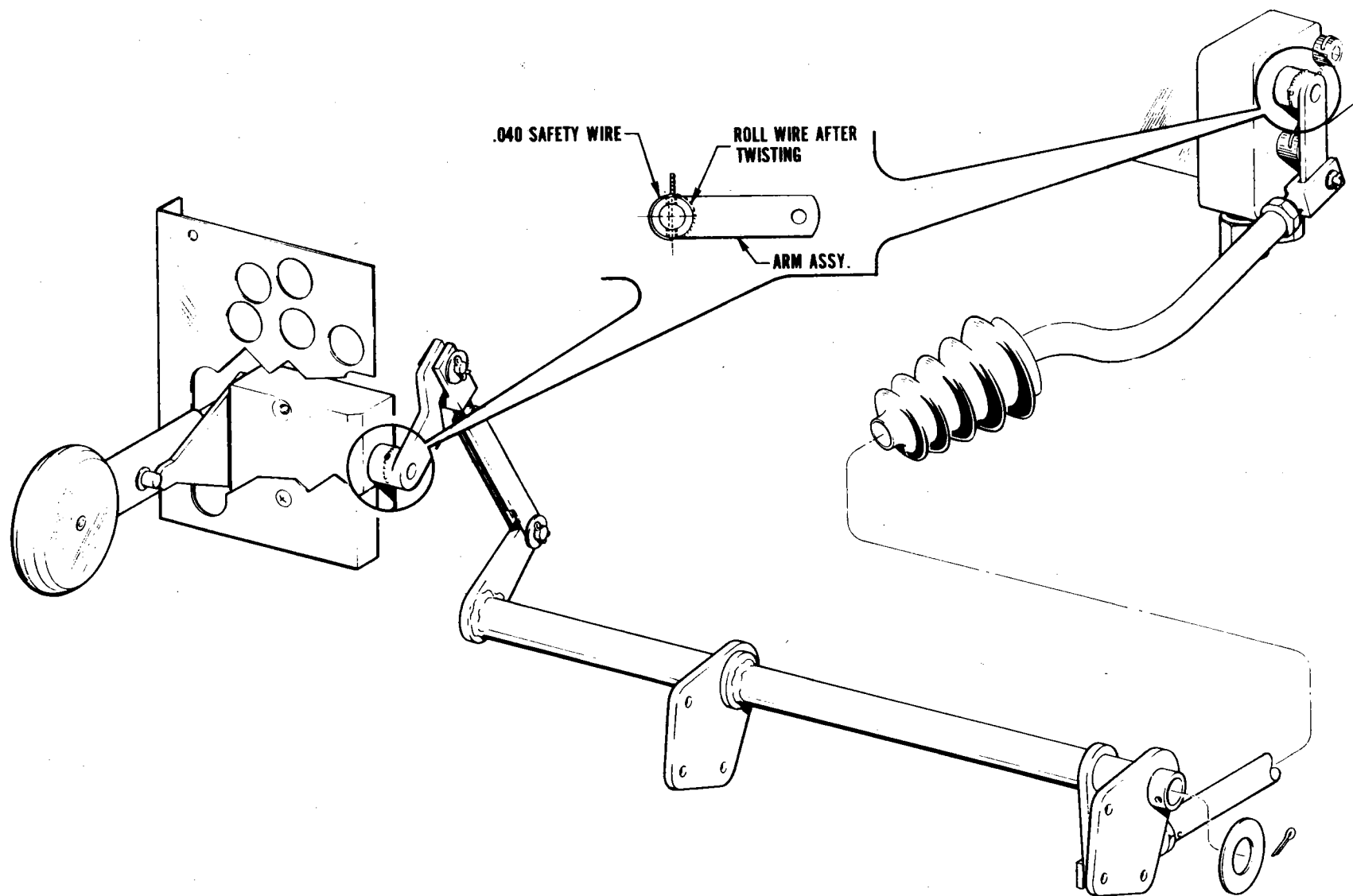
Material Required: Landing Gear Hydraulic Hand Pump Handle Replacement Kit 757 177

Installation Instructions: Contained in Landing Gear Hydraulic Hand Pump Handle Replacement Kit 757 177

Warranty Parts Allowed: Landing Gear Hydraulic Hand Pump Handle Replacement Kit 757 177

Warranty Labor Allowed: Two (2) Hours

Disposition of Replaced Parts: Comply with Warranty and Credit Claim procedure.



SERVICE BULLETIN 257

SECTION I

HARTZELL PROPELLER, INC.
PIQUA, OHIO

Service Letter No. 50

May 31, 1967

Subject: Counterweight rework for Hartzell Propeller Model HC-E2YK-2/C8475-4 on the Piper PA-31 Aircraft.

Discussion: In order to use the Piper spinner model which is smaller in diameter, the counterweights must be reworked.

Effectivity: All propellers of serial number CJ-119 and on will have the proper counterweights.

Recommended Procedure: Scribe lines on the counterweights according to the new dimensions shown on the sketch. Remove material to the scribed lines with a file, abrasive wheel or similar tool.

Clean the machined surface with a cleaner and paint with a metal primer or equivalent protective paint.

