

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

McFarlane Aviation, Inc.
696 E. 1700 Road
Baldwin City, KS 66006

PMA No: PQ3732CE

Supplement No. 45R

Date: July 7, 2010

Revision Date : May 6, 2011

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement For Part NO.</u>	<u>Approval Basis and Approved Design Data</u>	<u>MAKE Eligibility:</u>	<u>MODEL Eligibility:</u>
Fuel Quantity Transmitter	MC68101-02	68101-00, 68101-02	Test and Computation per 14 CFR § 21.303. DWG No: 1196, Rev: M, Date: 10-20-09 or later FAA approved revisions.	Piper Aircraft Company	PA-28-140 s/n 28-20551 thru 28-26956, 28-7125001 thru 28- 7125651, 28-7225001 thru 28-7225612, 28-7325001 thru 28-7325684, 28- 7425001 thru 28-7425454, 28-7525001 thru 28- 7525350, 28-7625001 thru 28-7625234, 28-7725001 thru 28-7725290. PA-28- 150 s/n 28-1761 thru 28- 4377. PA-28-151 s/n 28- 7415001 thru 28-7415703, 28-7515001 thru 28- 7515449, 28-7615002 thru 28-7615435, 28-7715001 thru 28-7715314. PA-28- 160 s/n 28-1761 thru 28- 4377. PA-28-161 s/n 28- 7716002 thru 28-7716323, 28-7816001 thru 28- 7816680, 28-7916001 thru 28-7916598, 28-8016001 thru 28-8016373, 28- 8116001 thru 28-8116268, 28-8216007, 28-8216014, 28-8216017, 28-8216019, & 28-8216021. PA-28-180 s/n 28-1761 thru 28-5869, 28-7105001 thru 28- 7105244, 28-7205001 thru 28-7205328, 28-7305001 thru 28-7305611, 28- 7405001 thru 28-7405290, 28-7505001 thru 28- 7505261. PA-28-181, s/n 28-7690001 thru 28- 7690467, 28-7790001 thru 28-7790607, 28-7890001 thru 28-7890551, 28- 7990001 thru 28-7990589, 28-8090001 thru 28- 8090372, 28-8190001 thru 28-8190279, 28-8290017, 28-8290018, 28-8290028, 28-8290033, 28-8290034, and 28-8290036. PA- 28R-180 s/n 28R-30005 thru 28R-30481, 28R- 30483 thru 28R-31279, 28R-7130001 thru 28R- 7130019. PA-28R-200 s/n 28R-30482, 28R-35001 thru 28R-35830, 28R- 7135001 thru 28R- 7135238, 28R-7235001 thru 28R-7235330,

Cont'd

28R-7335001 thru 28R-7335455, 28R-7435001 thru 28R-7435331, 28R-7200055, 32-7535001 thru 28R-7535303, 28R-7635001 thru 28R-7635545, PA-28-235 s/n 28-10003 thru 28-10719, 28-10720 thru 28-11300, 28-11301 thru 28-11393, 28-7110001 thru 28-7110042, 28--7210001 thru 28-7210038, 28-7310001 thru 28-7310187, 28-7410001 thru 28-7410120, 28-7510001 thru 28-7510145, 28-7610001 thru 28-7610206, 28-7710001 thru 28-7710089. PA-32-260, s/n 32-1 thru 32-1320, 32-7100001 thru 32-7100038, 32-7200001 thru 32-7300001 thru 32-7300076, 32-7400001 thru 32-7400061, 32-7500001 thru 32-7500053, 32-7600001 thru 32-7600033, 32-7700001 thru 32-7700023, 32-7800001 thru 32-7800008. PA-32-300, s/n 32-40000 32-41018, 32-7140001 thru 32-7140086, 32-7240001 thru 32-7240147, 32-7340001 thru 32-7340201, 32-7440001 thru 32-7440182, 32-7540001 thru 32-7540198, 32-7640001 thru 32-7640142, 32-7740001 thru 32-7740113, 32-7840001 thru 32-7840222

Fuel
Quantity
Transmitter
Gasket

MC462-021

462-019,
462-021

Test and Computation
per 14 CFR § 21.303.
DWG No: 1196,
Rev: M,
Date: 10-20-09 or later
FAA approved revisions

Piper Aircraft
Company

PA-28-140 s/n 28-20551 thru 28-26956, 28-7125001 thru 28-7125651, 28-7225001 thru 28-7225612, 28-7325001 thru 28-7325684, 28-7425001 thru 28-7425454, 28-7525001 thru 28-7525350, 28-7625001 thru 28-7625234, 28-7725001 thru 28-7725290. PA-28-150 s/n 28-1761 thru 28-4377. PA-28-160 s/n 28-1761 thru 28-4377. PA-28-180 s/n 28-1761 thru 28-5869, 28-7105001 thru 28-7105244, 28-7205001 thru 28-7205328, 28-7305001 thru 28-7305611, 28-7405001 thru 28-7405290, 28-7505001 thru 28-7505261.

Cont'd

PA-28R-180 s/n 28R-30005 thru 28R-30481, 28R-30483 thru 28R-31279, 28R-7130001 thru 28R-7130019. PA-28R-200 s/n 28R-30482, 28R-35001 thru 28R-35830, 28R-7135001 thru 28R-7135238, 28R-7235001 thru 28R-7235330, 28R-7335001 thru 28R-335455, 28R-7435001 thru 28R-7435331, 28R-7535001 thru 28R-7535303, 28R-7635001 thru 28R-7635545. PA-28-235 s/n 28-10003 thru 28-10719, 28-10720 thru 28-11300, 28-11301 thru 28-11393, 28-7110001 thru 28-7110042, 28--7210001 thru 28-7210038, 28-7310001 thru 28-7310187, 28-7410001 thru 28-7410120, 28-7510001 thru 28-7510145, 28-7610001 thru 28-7610206, 28-7710001 thru 28-7710089. PA-32-260 s/n 32-1 thru 32-1320, 32-7100001 thru 32-7100038, 32-7200001 thru 32-7200055, 32-7300001 thru 32-7300076, 32-7400001 thru 32-7400061, 32-7500001 thru 32-7500053, 32-7600001 thru 32-7600033, 32-7700001 thru 32-7700023, 32-7800001 thru 32-7800008. PA-32-300, s/n 32-40000 32-41018, 32-7140001 thru 32-7140086, 32-7240001 thru 32-7240147, 32-7340001 thru 32-7340201, 32-7440001 thru 32-7440182, 32-7540001 thru 32-7540198, 32-7640001 thru 32-7640142, 32-7740001 thru 32-7740113, 32-7840001 thru 32-7840222

Fuel
Quantity
Transmitter
Gasket

MC461-931

461-931

Test and Computation
per 14 CFR § 21.303.
DWG No: 1196,
Rev: M,
Date: 10-20-09 or later
FAA approved revisions

Piper Aircraft
Company

PA-28-151 s/n 28-7415001 thru 28-7415703, 28-7515001 thru 28-7515449, 28-7615002 thru 28-7615435, 28-7715001 thru 28-7715314. PA-28-161 s/n 28-7716002 thru 28-7716323, 28-7816001 thru 28-7816680, 28-7916001 thru 28-7916598, 28-8016001 thru 28-8016373, 28-8116001 thru 28-8116268, 28-8216007, 28-8216014, 28-8216017, 28-8216019, & 28-8216021. PA-28-181, s/n 28-7690001 thru 28-7690467, 28-7790001 thru 28-7790607, 28-7890001 thru 28-7890551, 28-7990001 thru 28-7990589, 28-8090001 thru 28-8090372, 28-8190001 thru 28-8190279, 28-8290017,

Screw/Seal MC1802

AN502-10-10

Test and Computation
per 14 CFR § 21.303.
DWG No: 1196,
Rev: M,
Date: 10-20-09 or later
FAA approved revisions

Piper Aircraft
Company

Cont'd

28-8290018, 28-8290028,
28-8290033, 28-8290034,
and 28-8290036.

PA-28-140 s/n 28-20551
thru 28-26956, 28-
7125001 thru 28-
7125651, 28-7225001 thru
28-7225612, 28-7325001
thru 28-7325684, 28-
7425001 thru 28-7425454,
28-7525001 thru 28-
7525350, 28-7625001 thru
28-7625234, 28-7725001
thru 28-7725290. PA-28-
150 s/n 28-1761 thru 28-
4377. PA-28-151 s/n 28-
7415001 thru 28-7415703,
28-7515001 thru 28-
7515449, 28-7615002 thru
28-7615435, 28-7715001
thru 28-7715314. PA-28-
160 s/n 28-1761 thru 28-
4377. PA-28-161 s/n 28-
7716002 thru 28-7716323,
28-7816001 thru 28-
7816680, 28-7916001 thru
28-7916598, 28-8016001
thru 28-8016373, 28-
8116001 thru 28-8116268,
28-8216007, 28-8216014,
28-8216017, 28-8216019,
& 28-8216021. PA-28-180
s/n 28-1761 thru 28-5869,
28-7105001 thru 28-
7105244, 28-7205001 thru
28-7205328, 28-7305001
thru 28-7305611, 28-
7405001 thru 28-7405290,
28-7505001 thru 28-
7505261. PA-28-181, s/n
28-7690001 thru 28-
7690467, 28-7790001 thru
28-7790607, 28-7890001
thru 28-7890551, 28-
7990001 thru 28-7990589,
28-8090001 thru 28-
8090372, 28-8190001 thru
28-8190279, 28-8290017,
28-8290018, 28-8290028,
28-8290033, 28-8290034,
and 28-8290036. PA-
28R-180 s/n 28R-30005
thru 28R-30481, 28R-
30483 thru 28R-31279,
28R-7130001 thru 28R-
7130019. PA-28R-200 s/n
28R-30482, 28R-35001
thru 28R-35830, 28R-
7135001 thru 28R-
7135238, 28R-7235001
thru 28R-7235330, 28R-
7335001 thru 28R-
7335455, 28R-7435001
thru 28R-7435331, 28R-
7535001 thru 28R-
7535303, 28R-7635001
thru 28R-7635545.
PA-28-235 s/n 28-10003
thru 28-10719, 28-10720
thru 28-11300, 28-11301
thru 28-11393,

Cont'd

28-7110001 thru 28-7110042, 28--7210001 thru 28-7210038, 28-7310001 thru 28-7310187, 28-7410001 thru 28-7410120, 28-7510001 thru 28-7510145, 28-7610001 thru 28-7610206, 28-7710001 thru 28-7710089. PA-32-260, s/n32-1 thru 32-1320, 32-7100001 thru 32-7100038, 32-7200001 thru 32-7200055, 32-7300001 thru 32-7300076, 32-7400001 thru 32-7400061, 32-7500001 thru 32-7500053, 32-7600001 thru 32-7600033, 32-7700001 thru 32-7700023, 32-7800001 thru 32-7800008. PA-32-300, s/n 32-40000 32-41018, 32-7140001 thru 32-7140086, 32-7240001 thru 32-7240147, 32-7340001 thru 32-7340201, 32-7440001 thru 32-7440182, 32-7540001 thru 32-7540198, 32-7640001 thru 32-7640142, 32-7740001 thru 32-7740113, 32-7840001 thru 32-7840222

Fuel
Quantity
Transmitter
Kit

FQTP-KT-1

68101-00,
68101-02,
462-019,
462-021,
AN502-10-10

Test and Computation
per 14 CFR § 21.303.
DWG No: 1196,
Rev: M,
Date: 10-20-09 or later
FAA approved revisions

Piper Aircraft
Company

PA-28-140 s/n 28-20551 thru 28-26956, 28-7125001 thru 28-7125651, 28-7225001 thru 28-7225612, 28-7325001 thru 28-7325684, 28-7425001 thru 28-7425454, 28-7525001 thru 28-7525350, 28-7625001 thru 28-7625234, 28-7725001 thru 28-7725290. PA-28-150 s/n 28-1761 thru 28-4377. PA-28-160 s/n 28-1761 thru 28-4377, PA-28-180 s/n 28-1761 thru 28-5869, 28-7105001 thru 28-7105244, 28-7205001 thru 28-7205328, 28-7305001 thru 28-7305611, 28-7405001 thru 28-7405290, 28-7505001 thru 28-7505261. PA-28R-180 s/n 28R-30005 thru 28R-30481, 28R-30483 thru 28R-31279, 28R-7130001 thru 28R-7130019. PA-28R-200 s/n 28R-30482, 28R-35001 thru 28R-35830, 28R-7135001 thru 28R-7135238, 28R-7235001 thru 28R-7235330, 28R-7335001 thru 28R-7335455, 28R-7435001 thru 28R-7435331, 28R-7535001 thru 28R-7535303, 28R-7635001 thru 28R-7635545. PA-28-235 s/n 28-10003 thru 28-10719, 28-10720 thru 28-11300, 28-11301 thru 28-11393,

Cont'd

28-7110001 thru 28-7110042, 28-7210001 thru 28-7210038, 28-7310001 thru 28-7310187, 28-7410001 thru 28-7410120, 28-7510001 thru 28-7510145, 28-7610001 thru 28-7610206, 28-7710001 thru 28-7710089

Fuel
Quantity
Transmitter
Kit

FQTP-KT-2

68101-00,
68101-02,
461-931,
AN502-10-10

Test and Computation
per 14 CFR § 21.303.
DWG No: 1196,
Rev: M,
Date: 10-20-09 or later
FAA approved revisions

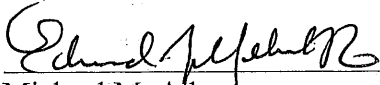
Piper Aircraft
Company

PA-28-151 s/n 28-7415001 thru 28-7415703, 28-7515001 thru 28-7515449, 28-7615002 thru 28-7615435, 28-7715001 thru 28-7715314. PA-28-161 s/n 28-7716002 thru 28-7716323, 28-7816001 thru 28-7816680, 28-7916001 thru 28-7916598, 28-8016001 thru 28-8016373, 28-8116001 thru 28-8116268, 28-8216007, 28-8216014, 28-8216017, 28-8216019, & 28-8216021. PA-28-181, s/n 28-7690001 thru 28-7690467, 28-7790001 thru 28-7790607, 28-7890001 thru 28-7890551, 28-7990001 thru 28-7990589, 28-8090001 thru 28-8090372, 28-8190001 thru 28-8190279, 28-8290017, 28-8290018, 28-8290028, 28-8290033, 28-8290034, and 28-8290036.

-----End of Listing-----

NOTE: Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an Original FAA-PMA.

If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not provide supplementary ICA per 14CFR § 21.50.


for Michael M. Alberts
Manager, Kansas City
Manufacturing Inspection District Office

May 6, 2010

Date: