



# SERVICE SPARES

No.

406

Piper Aircraft Corporation  
Vero Beach, Florida, U.S.A.

July 24, 1990

S/M

## LETTER

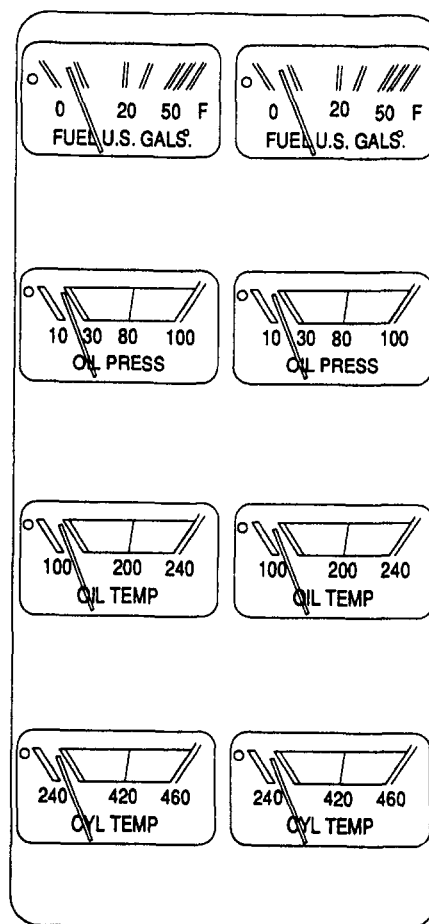
### REPLACEMENT GAUGES

#### MODELS AFFECTED:

PA-23-150/160 Apache  
PA-23-235 Aztec  
PA-23-250 Aztec  
PA-24-180/250 Comanche  
PA-24-260 Comanche  
PA-24-400 Comanche  
PA-28-140 Cherokee  
PA-28-150/160/180 Cherokee  
PA-28-151 Warrior  
PA-28-161 Warrior II  
PA-28-181 Archer II  
PA-28-235 Cherokee  
PA-28R-180 Arrow  
PA-28R-200 Arrow  
PA-28R-200 Arrow II  
PA-28-201T Turbo Dakota  
PA-28R-201 Arrow III  
PA-28R-201T Turbo Arrow III  
PA-28RT-201 Arrow IV  
PA-28RT-201T Turbo Arrow IV  
PA-28-236 Dakota  
PA-30 Twin Comanche  
PA-32-260 Cherokee Six  
PA-32-300 Cherokee Six  
PA-32R-300 Lance  
PA-32RT-300 Lance II  
PA-32RT-300T Turbo Lance II  
PA-32-301 Saratoga  
PA-32-301T Turbo Saratoga  
PA-32R-301 Saratoga SP  
PA-32R-301T Turbo Saratoga SP  
PA-34-200 Seneca I  
PA-34-200T Seneca II  
PA-39 Twin Comanche C/R

#### SERIAL NUMBERS AFFECTED

For all models, see attached cross reference supplement.



(OVER)

ATA: 3100

PURPOSE: We are pleased to announce that we now have the capability to replace most all of the out of production Stewart Warner and A.C. Spark Plug Company indicating systems with Rochester gauges.

INSTRUCTIONS:

There are some conditions that must be considered when ordering the new Rochester gauges. Please read the following:

Use the attached supplement to obtain the proper cross reference information. First, find the appropriate Aircraft Model sheet and then reference the Part Number, Nomenclature, and Serial Number information. Please pay special attention to the Codes and Notes on each sheet.

Because of the design difference in the Rochester type gauges it may be necessary to install a new mounting case with the FIRST installation of a Rochester type gauge in a cluster. The old gauges will fit the new case.

Most Rochester Gauge senders are not directly interchangeable with Stewart Warner and A.C. Gauges and will require replacement of both sender and gauge.

All replacement gauges and senders use existing aircraft wiring, mounting flanges, and plumbing. Procedures for installing the new aircraft gauges are unchanged. Refer to the appropriate Aircraft Maintenance Manual for installation and calibration instructions.

Assure that an appropriate logbook entry is made to show gauge and serial number changes and to indicate if a new case is installed.

AVAILABILITY OF PARTS: Your Piper Field Service Facility

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA23-150/160 APACHE, PA23-235 APACHE**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	89473-2	D	CASE ASSEMBLY	1	23-1 to 23-1501
	89476-2	C	CASE ASSEMBLY	1	
752-039	687-278	A,B,D	☐ Gauge - Fuel Quantity	2	23-1 to 23-130
18363-0	33855-3	**	Sender - Fuel Quantity, Main Tank	2	
18363-2	33855-4	**	Sender - Fuel Quantity, Auxiliary Tank	2	
752-047	687-278	A,B,D	* Gauge - Fuel Quantity	2	23-131 to 23-1501
18363-0	33855-3	**	Sender - Fuel Quantity, Main Tank	2	
18363-2	33855-4	**	Sender - Fuel Quantity, Auxiliary Tank	2	
752-064	687-278	A,B,D	* Gauge - Fuel Quantity	2	23-1502 to 23-2043
18363-0	33855-3	**	Sender - Fuel Quantity, Main Tank	2	
18363-2	33855-4	**	Sender - Fuel Quantity, Auxiliary Tank	2	
752-075	687-278	A,B,E	☐ Gauge - Fuel Quantity	2	
18363-0	33855-3	**	Sender - Fuel Quantity, Main Tank	2	
18363-2	33855-4	**	Sender - Fuel Quantity, Auxiliary Tank	2	
752-042	687-273	A,D	Gauge - Fuel Pressure	2	23-1 to 23-130
752-050	687-273	A,D	Gauge - Fuel Pressure	2	23-131 to 23-1501
752-055	687-273	A,D	Gauge - Fuel Pressure	2	23-1502 to 23-2043
752-076	687-273	A,E	Gauge - Fuel Pressure	2	
752-041	687-268	A,D	Gauge - Oil Pressure	2	23-1 to 23-130
752-049	687-268	A,D	Gauge - Oil Pressure	2	23-131 to 23-1501
752-056	687-268	A,D	Gauge - Oil Pressure	2	23-1502 to 23-2043
752-077	687-268	A,E	Gauge - Oil Pressure	2	
752-043	687-267	A,B,D	☐ Gauge - Oil Temperature	2	23-1 to 23-130
462-042	553-672	B	** Sender - Oil Temperature	2	
752-051	687-267	A,B,D	* Gauge - Oil Temperature	2	23-131 to 23-1501
462-042	553-672	B	** Sender - Oil Temperature	2	
752-057	687-267	A,B,D	* Gauge - Oil Temperature	2	23-1502 to 23-2043
462-042	553-672	B	** Sender - Oil Temperature	2	
752-078	687-267	A,B,E	* Gauge - Oil Temperature	2	
462-042	553-672	B	** Sender - Oil Temperature	2	
752-040	687-285	A,D	Gauge - Ammeter	1	23-1 to 23-130
752-048	687-285	A,D	Gauge - Ammeter	1	23-131 to 23-1501

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C - Used on PA23-150/160 with serial numbers 23-1502 and up, and on PA23-235 with serial numbers 27-505 to 27-622.  
D - Used on PA23-150/160 only  
E - Used on PA23-150/160 with serial numbers 23-2044 and up, and on PA23-235 with serial numbers 27-505 to 27-622.

NOTE: ☐ Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

# PIPER AIRCRAFT

## SUPPLEMENT TO SERVICE SPARES LETTER NO. 406

# PA23-250 AZTEC

## ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	89476-2		CASE ASSEMBLY	1	27-1 to 27-2504
	89488-2	C	CASE ASSEMBLY	1	
	87609-2	D	CASE ASSEMBLY	1	
752-064	687-278	A,B	☐ Gauge - Fuel Quantity	2	27-1 to 27-504
18363-0	33855-3		☐ Sender - Fuel Quantity, Main Tank	2	
18363-2	33855-4		☐ Sender - Fuel Quantity, Auxiliary Tank	2	
752-075	687-278	A,B,F	☐ Gauge - Fuel Quantity	2	27-505 to 27-7554063
18363-0	33855-3		☐ Sender - Fuel Quantity, Main Tank	2	
18363-2	33855-4		☐ Sender - Fuel quantity, Auxiliary Tank	2	
752-065	687-279	A,B	☐ Gauge - Fuel Quantity, 28 volt	2	27-1 to 27-2504
18363-0	33855-3		☐ Sender - Fuel Quantity, Main Tank	2	
18363-2	33855-4		☐ Sender - Fuel quantity, Auxiliary Tank	2	
752-055	687-273	A	Gauge - Fuel Pressure	2	27-1 to 27-504
752-076	687-273	A	Gauge - Fuel Pressure	2	27-505 to 27-2504
752-056	687-268	A	Gauge - Oil Pressure	2	27-1 to 27-504
32529-0	687-268	A	Gauge - Oil Pressure	2	27-2505 to 27-7554063
752-057	687-267	A,B	☐ Gauge - Oil Temperature	2	27-1 to 27-504
462-042	553-672	B	☐ Sender - Oil Temperature	2	
752-066	687-284	A,B	☐ Gauge - Oil Temperature, 28 Volt	2	27-1 to 27-2504
462-042	553-672	B	☐ Sender - Oil Temperature	2	
752-078	687-267	A,B,F	☐ Gauge - Oil Temperature	2	27-505 to 27-7554063
462-046	553-672	B	☐ Sender - Oil Temperature	2	
550-610	687-266	A,B,E	☐ Gauge - Cylinder Head Temperature	2	27-1 to 27-2504
462-044	553-673	B	☐ Sender - Cylinder Head Temperature	2	
32531-0	687-266	A,B,F	☐ Gauge - Cylinder Head Temperature	2	27-2505 to 27-7554063
462-044	553-673	B	☐ Sender - Cylinder Head Temperature	2	
33660-2	548-898		CLUSTER ASSEMBLY - Engine Instruments	1	27-7554064 to 27-8054032
33660-3	548-898		CLUSTER ASSEMBLY - Engine Instruments	1	27-8054033 and up
33813-2	33813-3		Case Assembly	1	
755-452	755-478	A	Gauge - Fuel Quantity	2	
-----	755-453		Gauge - Oil Pressure	2	
-----	755-454		Gauge - Oil Temperature	2	
755-455	687-291	B	☐ Gauge - Cylinder Head Temperature	2	
462-044	553-673	B	☐ Sender - Cylinder Head Temperature	2	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.

B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.

C - Used on PA23-250 with serial numbers 27-2505 to 27-7354221, 27-7354223 to 27-7354234.

D - Used on PA23-250 with serial numbers 27-7354222, 27-7454235 to 27-7554063.

E - Optional equipment.

F - ALL 28 VOLT PA23-250 WITH SERIAL NUMBERS BETWEEN 27-2505 TO 27-7554063 MUST ORDER KIT 766-237, ENGINE INSTRUMENT VOLTAGE REGULATOR, ON FIRST GAUGE REPLACEMENT.

NOTE: ☐ Indicates gauge for the sender(s) directly below.  
 ☐ Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA24-180 COMANCHE, PA24-250 COMANCHE**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST4**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	89475-2	C	CASE ASSEMBLY	1	
	89479-2	D	CASE ASSEMBLY	1	
752-054	687-283	A,B	• Gauge - Fuel Quantity, "0 to 30"	2	24-1 to 24-3039
20966-0	687-282		•• Sender - Fuel Quantity, Main Tank	2	
752-080	687-283	A,B,E	• Gauge - Fuel Quantity, "0 to 30"	2	24-3040 to 24-3284.
20966-0	687-282		•• Sender - Fuel Quantity, Main Tank	2	
752-064	687-278	A,B,G	• Gauge - Fuel Quantity, "E to F"	4	24-2175, 24-2299 to 24-2843
20966-0	687-282		•• Sender - Fuel Quantity, Main Tank	2	
20966-2	687-287		•• Sender - Fuel Quantity, Auxiliary Tank	2	
752-075	687-278	A,B,H	• Gauge - Fuel Quantity, "E to F"	1	
20966-0	687-282		•• Sender - Fuel Quantity, Main Tank	2	
20966-2	687-287		•• Sender - Fuel Quantity, Auxiliary Tank	2	
752-055	687-273	A	Gauge - Fuel Pressure	1	24-1 to 24-3039
752-076	687-273	A	Gauge - Fuel Pressure	1	24-3040 and up
752-056	687-268	A	Gauge- Oil Pressure	1	24-1 to 24-3039
32529-0	687-268	A	Gauge - Oil Pressure	1	24-3040 and up
752-057	687-267	A,B	• Gauge - Oil Temperature	1	24-1 to 24-3039
462-042	553-672	B	•• Sender - Oil Temperature	1	
752-078	687-267	A,B	• Gauge - Oil Temperature	1	24-3040 and up
462-042	553-672	B	•• Sender - Oil Temperature	1	
23268-0	687-266	A,B	• Gauge - Cylinder Head Temperature	1	24-2844 and up
462-044	553-673	B	•• Sender - Cylinder Head Temperature	1	
752-058	687-285	A	Gauge - Ammeter, "40- 0 +40"	1	24-1 to 24-3039
752-079	687-285	A	Gauge - Ammeter, "40- 0 +40"	1	24-3040 and up

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C - Used on PA24-180 and PA24-250 with serial numbers 24-1 to 24-2174, 24-2176 to 24-2298, on PA24-180 with serial numbers 24-3285 and up, and on PA24-250 with serial numbers 24-2844 and up.  
D - Used on PA24-180 and PA24-250 with serial numbers 24-2175, 24-2299 to 24-2843, and on PA24-180 with serial numbers 24-2844 to 24-3284.  
E - Used on PA24-180 only.  
F - Used on PA24-250 only.  
G - Used on PA24-250 with auxiliary fuel tanks.  
H - Used on PA24-180 with serial numbers 24-3285 and up, and on PA24-250 with serial numbers 24-3040 and up.

NOTE: • Indicates gauge for the sender(s) directly below.  
•• Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA24-260 COMANCHE, PA24-400 COMANCHE**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	89475-2	C	CASE ASSEMBLY	1	
	89487-2	D	CASE ASSEMBLY	1	
752-075	687-278	A,B	- Gauge - Fuel Quantity	1	
20966-0	687-282	**	Sender - Fuel Quantity, Main Tank	2	
20966-2	687-287	E	Sender - Fuel Quantity, Auxiliary Tank	2	
450-772	687-288	F	Sender - Fuel Quantity, Wing Tank - Outboard	2	
450-771	687-289	F	Sender - Fuel Quantity, Wing Tank - Inboard	2	
752-076	687-273	A	Gauge - Fuel Pressure	1	
32529-0	687-268	A	Gauge - Oil Pressure	1	
752-078	687-267	A,B	- Gauge - Oil Temperature	1	
462-046	553-672	B	** Sender - Oil Temperature	1	
32531-0	687-266	A,B,E	- Gauge - Cylinder Head Temperature	1	
462-044	553-673	B	** Sender - Cylinder Head Temperature	1	
751-873	687-265	A,B,F	- Gauge - Cylinder Head Temperature	1	
462-044	553-673	B	** Sender - Cylinder Head Temperature	1	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
 B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
 C - Used on PA24-260 with serial numbers 24-3642, 24-4000 to 24-4782, 24-4784 to 24-4803, and on PA 24-400 with serial numbers 26-1 and up.  
 D - Used on PA24-260 with serial numbers 24-4783, 24-4804 and up.  
 E - Used on PA24-260 only.  
 F - Used on PA24-400 only.

NOTE: - Indicates gauge for the sender(s) directly below.  
 \*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA30 TWIN COMANCHE, PA39 TWIN COMANCHE C/R**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	89488-2	C	CASE ASSEMBLY	1	
	89474-2	D	CASE ASSEMBLY	1	
	01299-2	D	CASE ASSEMBLY - Fuel Quantity	1	
752-075	687-278	A	• Gauge - Fuel Quantity, "E to F"	2	
20966-0	687-282		•• Sender - Fuel Quantity, Main Tank	2	
20966-2	687-287		•• Sender - Fuel Quantity, Auxiliary Tank	2	
32529-0	687-268	A	Gauge - Oil Pressure	2	
752-078	687-267	A,B	• Gauge - Oil Temperature	2	
462-046	553-672	B	•• Sender - Oil Temperature	2	
32531-0	687-266	A,B	• Gauge - Cylinder Head Temperature	2	
462-044	553-673	B	•• Sender - Cylinder Head Temperature	2	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C - Used on PA30 with serial numbers 30-1 to 30-1716, 30-1718 to 30-1744.  
D - Used on PA30 with serial numbers 30-1717, 30-1745 and up, and on PA39 with serial numbers 39-1 and up.

NOTE: • Indicates gauge for the sender(s) directly below.  
•• Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA28-140 CHEROKEE**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	89475-2		CASE ASSEMBLY - Gauge	1	28-20001 to 28-20550
752-070	687-257	A,B	☐ Gauge - Fuel Quantity, "E to F"	2	
62037-0	548-671	B	** Sender - Fuel Quantity	2	
752-081	687-257	A,B	☐ Gauge - Fuel Quantity, "E to F"	2	
62037-0	548-671	B	** Sender - Fuel Quantity	2	
752-055	687-273	A	Gauge - Fuel Pressure	1	
752-076	687-273	A	Gauge - Fuel Pressure	1	
752-057	687-267	A,B	☐ Gauge - Oil Temperature	1	
462-046	553-672	B	** Sender - Oil Temperature	1	
752-078	687-267	A,B	☐ Gauge - Oil Temperature	1	
462-046	553-672	B	** Sender - Oil Temperature	1	
752-071	687-270	A	Gauge - Oil Pressure	1	
752-082	687-270	A	Gauge - Oil Pressure	1	
752-058	687-285	A	Gauge - Ammeter, 40- 0 +40	1	
752-079	687-285	A	Gauge - Ammeter, 40- 0 +40	1	
752-084	687-286	A	Gauge - Ammeter, 0 20 40	1	
	89477-2 *		CASE ASSEMBLY	1	28-20551 to 28-24999
752-112	687-261	A,B	☐ Gauge - Fuel Quantity, Left Tank	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
752-113	687-260	A,B	☐ Gauge - Fuel Quantity, Right Tank	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
752-097	87391-2	A	Gauge - Fuel Pressure	1	* SHOULD BE 89478-002, SEE LETTER AT END.
752-096	87366-2	A,B	☐ Gauge - Oil Temperature	1	
550-487	553-672		** Sender - Oil Temperature	1	
752-114	687-272	A	Gauge - Oil Pressure	1	
752-099	687-286	A	Gauge - Ammeter, 0 20 40	1	
	06205-3		CASE ASSEMBLY - Right	1	28-25000 and up
	06205-5		CASE ASSEMBLY - Left	1	28-25000 and up
79364-0	687-259	B	☐ Gauge - Fuel Quantity, Left Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79363-0	687-258	B	☐ Gauge - Fuel Quantity, Right Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79370-0	87391-2	A	Gauge - Fuel Pressure	1	
38226-0	87382-2	A	Gauge - Oil Pressure	1	
79367-0	87366-2	B	☐ Gauge - Oil Temperature	1	
550-487	553-672		** Sender - Oil Temperature	1	
550-548	87365-2	B,Z	☐ Gauge - Cylinder Head Temperature	1	
550-549	553-673	Z	** Sender - Cylinder Head Temperature	1	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
Z - Replacement parts for aircraft that have installed Cylinder Head Temperature Kit, Part Number 760-458, only.

NOTE: ☐ Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft



**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA28 - 150/160/180 CHEROKEE**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	89475-2		CASE ASSEMBLY	1	28 - 1 to 28 - 1760
752-070	687-257	A,B	• Gauge - Fuel Quantity, E to F	2	
62037-2	766-240	B	** Kit - Fuel Quantity Sender	2	
752-081	687-257	A,B	• Gauge - Fuel Quantity, E to F	2	
62037-2	766-240	B	** Kit - Fuel Quantity Sender	2	
752-076	687-273	A	Gauge - Fuel Pressure	1	
752-055	687-273	A	Gauge - Fuel Pressure	1	
752-057	687-267	A,B	• Gauge - Oil Temperature	1	
462-042	553-672	B	** Sender - Oil Temperature	1	
752-078	687-267	A,B	• Gauge - Oil Temperature	1	
462-046	553-672	B	** Sender - Oil Temperature	1	
752-071	687-270	A	Gauge - Oil Pressure	1	
752-082	687-270	A	Gauge - Oil Pressure	1	
752-058	687-285	A	Gauge - Ammeter, 40- 0 +40	1	
752-079	687-285	A	Gauge - Ammeter, 40- 0 +40	1	
752-084	687-286	A	Gauge - Ammeter, 0 20 40	1	
	89477-2*		CASE ASSEMBLY	1	28-1761 to 28-4377
752-112	687-261	A,B	• Gauge - Fuel Quantity, Left Tank	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
752-113	687-260	A,B	• Gauge - Fuel Quantity, Right Tank	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
752-097	87391-2	A	Gauge - Fuel Pressure	1	
752-096	87366-2	A,B	• Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
752-114	687-272	A	Gauge - Oil Pressure	1	
752-099	687-286	A	Gauge - Ammeter, 0 20 40	1	28-1761 to 28-3377
79362-0	765-186	A,C	Kit - Externally Shunted Ammeter	1	28-3378 to 4377
763-053	687-277		Gauge - Ammeter, Externally Shunted	1	
	06205-3	D	CASE ASSEMBLY - Right	1	28-4378 and up
	06205-5	D	CASE ASSEMBLY - Left	1	28-4378 and up
79364-0	687-259	B	• Gauge - Fuel Quantity, Left Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79363-0	687-258	B	• Gauge - Fuel Quantity, Right Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79370-0	87391-2	A	Gauge - Fuel Pressure	1	
38226-0	87382-2	A	Gauge - Oil Pressure	1	
79367-0	87366-2	B	• Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
79362-0	765-186	C	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Ammeter, Externally Shunted	1	
550-548	87365-2	B,Z	• Gauge - Cylinder Head Temperature	1	
550-549	553-673	Z	** Sender - Cylinder Head Temperature	1	

\* SHOULD BE 89478-002,  
SEE LETTER AT END.

A- A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B- A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C- See SERVICE BULLETIN NO. 811A.  
D -Used on PA28-180 only.  
Z - Replacement parts for aircraft that have installed Cylinder Head Temperature Kit, Part Number 760-459, only.

NOTE: • Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA28-235 CHEROKEE**  
**ENGIN GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	89478-2 *		CASE ASSEMBLY	1	28-1003 to 28-11039
752-100	687-259	A,B	⌘ Gauge - Fuel Quantity, Left Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
752-101	687-258	A,B	⌘ Gauge - Fuel Quantity, Right Main	1	* SHOULD BE 89477-002, SEE LETTER AT END.
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79366-0	687-263	A,B	⌘ Gauge - Fuel Quantity, Left Tip	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
752-102	687-262	A,B	⌘ Gauge - Fuel Quantity, Right Tip	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
752-097	87391-2	A	Gauge - Fuel Pressure	1	
752-098	687-272	A	Gauge - Oil Pressure	1	
752-096	87366-2	A,B	⌘ Gauge - Oil Temperature	1	
550-487	553-672		** Sender - Oil Temperature	1	
752-099	687-286	A	Gauge - Ammeter, 0 20 40	1	28-10003 to 28-10719
752-121	765-186	A,C	Kit - Externally Shunted Ammeter	1	28-10720 to 28-11039
763-053	687-277		Gauge - Ammeter, Externally Shunted	1	
	06205-3		CASE ASSEMBLY - Right	1	28-11040 and up
	06205-5		CASE ASSEMBLY - Left	1	2811040 and up
79364-0	687-259	B	⌘ Gauge - Fuel Quantity, Left Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79363-0	687-258	B	⌘ Gauge - Fuel Quantity, Right Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79366-0	687-263	A,B	⌘ Gauge - Fuel Quantity, Left Tip	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
752-102	687-262	A,B	⌘ Gauge - Fuel Quantity, Right Tip	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79370-0	87391-2	A	Gauge - Fuel Pressure	1	
38226-0	87382-2	A	Gauge - Oil Pressure	1	
79367-0	87366-2	B	⌘ Gauge - Oil Temperature	1	
550-487	553-672		** Sender - Oil Temperature	1	
79362-0	765-186	C	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Ammeter, Externally Shunted	1	
550-548	87365-2	B,Z	⌘ Gauge - Cylinder Head Temperature	1	
550-549	553-673	Z	** Sender - Cylinder Head Temperature	1	

A -A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C - See SERVICE BULLETIN 811A.  
Z - Replacement parts for aircraft that have installed Cylinder Head Temperature Kit, Part Number 760-459, only.

NOTE: ⌘ Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA28R-180 ARROW, PA28R-200 ARROW II**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	06205-3	D	CASE ASSEMBLY - Right	1	
	06205-5	D	CASE ASSEMBLY - Left	1	
79364-0	687-259	B	• Gauge - Fuel Quantity, Left Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79363-0	687-258	B	• Gauge - Fuel Quantity, Right Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79371-0	687-274	A	Gauge - Fuel Pressure	1	
38226-0	87382-2	A	Gauge - Oil Pressure	1	
79367-0	87366-2	B	• Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
79362-0	765-186	C	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Ammeter, Externally Shunted	1	
550-548	87365-2	B,E,Z	• Gauge - Cylinder Head Temperature	1	
550-549	553-673	Z	** Sender - Cylinder Head Temperature	1	
550-543	687-264	B,F,Z	• Gauge - Cylinder Head Temperature	1	
550-549	553-673	Z	** Sender - Cylinder Head Temperature	1	

A - A replacement Case Assembly **MUST** be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender **MUST** be ordered on first Rochester gauge or Rochester sender replacement.  
C - See SERVICE BULLETIN NO. 811A.  
D - USED ON PA28R-180 with serial numbers 28R-30005 and up, and on PA28R-200 with serial numbers 28R-35001 and up.  
E - Used on PA28R-180 only.  
F - Used on PA28R-200 only.  
Z - Replacement parts for aircraft that have installed Cylinder Head Temperature Kits, Part Numbers 760-459 (PA28R-180) or 760-460 (PA28R-200), only.

NOTE: • Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA28 - 151/161 WARRIOR**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	06205-4	C	CASE ASSEMBLY	1	
79364-0	687-259	B	• Gauge - Fuel Quantity, Left Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79363-0	687-258	B	* Gauge - Fuel Quantity, Right Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79370-0	87391-2	A	Gauge - Fuel Pressure	1	
38226-0	87382-2	A	Gauge - Oil Pressure	1	
79367-0	87366-2	B	* Gauge - Oil Temperature	1	
550-487	553-672		** Sender - Oil Temperature	1	
550-548	87365-2	B	* Gauge - Cylinder Head Temperature	1	
550-549	553-673		** Sender - Cylinder Head Temperature	1	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C - Used on PA28-151 with serial numbers 28-7415001 and up, and on PA28-161 with serial numbers 28-7716001 to 28-8116268, 28-8216007, 28-8216014, 28-8216017, 28-8216019, and 28-8216021.

NOTE: • Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA28-181 ARCHER II, PA28-236 DAKOTA**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	06205-3	C	CASE ASSEMBLY - Right	1	
	06205-5	C	CASE ASSEMBLY - Left	1	
79364-0	687-259	B,F	* Gauge - Fuel Quantity, Left Main	1	
68101-2	766-240	B,F	** Kit - Fuel Quantity Sender	1	
79363-0	687-258	B,F	* Gauge - Fuel Quantity, Right Main	1	
68101-2	766-240	B,F	** Kit - Fuel Quantity Sender	1	
79370-0	87391-2	A	Gauge - Fuel Pressure	1	
38226-0	87382-2	A	Gauge - Oil Pressure	1	
79367-0	87366-2	B	* Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
79362-0	765-186	D	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Ammeter, Externally Shunted	1	
550-548	87365-2	B,Z	* Gauge - Cylinder Head Temperature	1	
550-549	553-673	Z	** Sender - Cylinder Head Temperature	1	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or sender replacement.  
C - Used on PA28-181 with serial numbers 28-7990001 to 28-8190279, 28-8290017, 28-8290018, 28-8290028, 28-8290033, 28-8290034, and 28-8290036, and on PA28-236 with serial numbers 28-7911001 to 28-8311025.  
D - See SERVICE BULLETIN No. 811A.  
E - Used on PA28-236 only.  
F - Used on PA28-181 only.  
Z - Replacement parts for aircraft that have installed Cylinder Head Temperature Kit, Part Number 760-459, and for parts originally installed in PA28-236.

NOTE: \* Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA28-201T TURBO DAKOTA, PA28R-201 ARROW III,**  
**PA28R-201T TURBO ARROW III**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	06205-3	D	CASE ASSEMBLY - Right	1	
	06205-5	C	CASE ASSEMBLY - Left	1	
	06205-8	E	CASE ASSEMBLY - Right	1	
79371-0	687-274	A,D	Gauge - Fuel Pressure	1	
38226-0	87382-2	A,D	Gauge - Oil Pressure	1	
37340-0	87363-2	A,E	Gauge - Oil Pressure	1	
79367-0	87366-2	B,D	* Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
37338-0	87361-2	B,E	* Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
550-543	687-264	B,D	* Gauge - Cylinder Head Temperature	1	
550-549	553-673	**	Sender - Cylinder Head Temperature	1	
35798-2	87362-2	B,E	* Gauge - Cylinder Head Temperature	1	
550-549	553-673	**	Sender - Cylinder Head Temperature	1	
79362-0	765-186	F	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Externally Shunted Ammeter	1	
37337-0	765-186	E,F	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Externally Shunted Ammeter	1	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C - Used on PA28R-201 with serial numbers 28R-7737001 to 28R-7837319, on PA28R-201T with serial numbers 28R-7703001 to 28R-7803374, and on PA28-201T with serial numbers 28-7921091 and up.  
D - Used on PA28R-201 only.  
E - Used on PA28R-201T and PA28-201T only  
F - See SERVICE BULLETIN NO. 811A.

NOTE: \* Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA28RT-201 ARROW IV, PA28RT-201T TURBO ARROW IV**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	06205-3	D	CASE ASSEMBLY - Right	1	
	06205-5	C	CASE ASSEMBLY - Left	1	
	06205-8	E	CASE ASSEMBLY - Right	1	
79371-0	687-274	A,D	Gauge - Fuel Pressure	1	
38226-0	87382-2	A,D	Gauge - Oil Pressure	1	
37340-0	87363-2	A,E	Gauge - Oil Pressure	1	
79367-0	87366-2	B,D	* Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
37338-0	87361-2	B,E	* Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
550-543	687-264	B,D	* Gauge - Cylinder Head Temperature	1	
550-549	553-673	**	Sender - Cylinder Head Temperature	1	
35798-2	87362-2	B,E	* Gauge - Cylinder Head Temperature	1	
550-549	553-673	**	Sender - Cylinder Head Temperature	1	
79362-0	765-186	F	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Externally Shunted Ammeter	1	
37337-0	765-186	F	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Externally Shunted Ammeter	1	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C - Used on PA28RT-201 with serial numbers 28R-7918001 and up, and on PA28RT-201T with serial numbers 28R-7931001 and up.  
D - Used on PA28RT-201 only.  
E - Used on PA28RT-201T only.  
F - See SERVICE BULLETIN NO. 811A.

NOTE: \* Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA32-260 CHEROKEE, PA32-300 CHEROKEE SIX**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	89478-2 *	D	CASE ASSEMBLY	1	32-1 to 32-1110
	89478-2 *	E	CASE ASSEMBLY	1	32-40000 to 32-40565
752-100	687-259	A,B	* Gauge - Fuel Quantity, Left Main	1	<b>* SHOULD BE 89477-002, SEE LETTER AT END.</b>
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
752-101	687-258	A,B	* Gauge - Fuel Quantity, Right Main	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
79366-0	687-263	A,B	* Gauge - Fuel Quantity, Left Tip	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
752-102	687-262	A,B	* Gauge - Fuel Quantity, Right Tip	1	
68101-2	766-240	B	** Kit - Fuel Quantity Sender	1	
752-097	87391-2	A,D	Gauge - Fuel Pressure	1	
755-422	687-276	A,E	Gauge - Fuel Pressure	1	
752-098	687-272	A	Gauge - Oil Pressure	1	
752-096	87366-2	A,B	* Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
79362-0	765-186	F	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Externally Shunted Ammeter	1	
	06205-3	C	CASE ASSEMBLY - Right	1	
	06205-5	C	CASE ASSEMBLY - Left	1	
79364-0	687-259	B,G	* Gauge - Fuel Quantity, Left Main	1	
68101-2	766-240	B,G	** Kit - Fuel Quantity Sender	1	
79363-0	687-258	B,G	* Gauge - Fuel Quantity, Right Main	1	
68101-2	766-240	B,G	** Kit - Fuel Quantity Sender	1	
79366-0	687-263	B,G	* Gauge - Fuel Quantity, Left Tip	1	
68101-2	766-240	B,G	** Kit - Fuel Quantity Sender	1	
79365-0	687-262	B,G	* Gauge - Fuel Quantity, Right Tip	1	
68101-2	766-240	B,G	** Kit - Fuel Quantity Sender	1	
79370-0	87391-2	A,D	Gauge - Fuel Pressure	1	32-40566 to 32-7840222
79374-0	687-276	A,E	Gauge - Fuel Pressure	1	
38225-0	687-275	A,E	Gauge - Fuel Pressure	1	32-7940001 to 7940146
79373-0	687-271	A,G	Gauge - Oil Pressure	1	32-7940001 and up
38226-0	87382-2	A,E	Gauge - Oil Pressure	1	
79367-0	87366-2	B	* Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
38667-2	87365-2	B,Z	* Gauge - Cylinder Head Temperature	1	
550-549	553-673	Z	** Sender - Cylinder Head Temperature	1	
79369-0	687-264	B,Z	* Gauge - Cylinder Head Temperature	1	
550-549	553-673	Z	** Sender - Cylinder Head Temperature	1	
79362-0	765-186	F	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Externally Shunted Ammeter	1	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C - Used on PA32-260 with serial numbers 32-1111 and up, and on 32-300 with serial numbers 32-40566 and up.  
D - Used on PA32-260 only.  
E - Used on PA32-300 only.  
F - See SERVICE BULLETIN NO. 811A.  
G - Used on PA32-260 with serial numbers 32-1111 and up, and on 32-300 with serial numbers 32-40566 to 32-7840222.  
Z - Replacement parts for aircraft that have installed Cylinder Head Temperature Kits, 760-461 (PA32-260) or 760-462 (PA32-300).

NOTE: \* Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft



**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA32R-300 LANCE, PA32RT-300 LANCE II, AND**  
**PA32RT-300T TURBO LANCE II**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	06205-3	C	CASE ASSEMBLY - Right	1	
	06205-5	C	CASE ASSEMBLY - Left	1	
38225-0	687-275	A,E	Gauge - Fuel Pressure	1	
38226-0	87382-2	A	Gauge - Oil Pressure	1	
98706-2	87360-2	A,F	Gauge - Oil Pressure	1	
79367-0	87366-2	B	* Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
79369-2	687-264	B,Z	* Gauge - Cylinder Head Temperature	1	
550-549	553-673	**	Sender - Cylinder Head Temperature	1	
79362-0	765-186	D	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Ammeter, Externally Shunted	1	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be order on first Rochester gauge or Rochester sender replacement.  
C - Used on PA32R-300 with serial numbers 32-7680001 and up, on PA32RT-300 with serial numbers 32R-7885001 and up, and on PA32RT-300T with serial numbers 32R-7887001 and up.  
D - See SERVICE BULLETIN NO. 811A.  
E - Used on PA32R-300 with serial numbers 32R-7680001 and up, and on PA32RT-300 with serial numbers 32R-7885001 to 32R-7985102.  
F - Used on PA32RT-300T only.  
Z - Replacement parts for PA32R-300 aircraft that have installed Cylinder Head Temperature Kit, Part Number 760-462, and for parts originally installed in PA32RT-300T.

NOTE: \* Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA32-301 SARATOGA, PA32-301T TURBO SARATOGA**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	06205-8	C	CASE ASSEMBLY - Right	1	
	06205-5	C	CASE ASSEMBLY - Left	1	
38226-0	87382-2	A,D	Gauge - Oil Pressure	1	
98706-2	87360-2	A,E	Gauge - Oil Pressure	1	
79367-0	87366-2	B	* Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
38667-2	87365-2	B,E	* Gauge Cylinder Head Temperature	1	
550-549	553-673	**	Sender - Cylinder Head Temperature	1	
79362-0	765-186	F	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Externally Shunted Ammeter	1	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C - Used on PA32-301 with serial numbers 32-8006001 to 32-8106087 and on PA32-301T with serial numbers 32-8024001 to 32-8124030.  
D - Used on PA32-301 only.  
E - Used on PA32-301T only.  
F - See SERVICE BULLETIN NO. 811A.

NOTE: \* Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA32R-301 SARATOGA SP, PA32R-301T TURBO**  
**SARATOGA SP**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	06205-8	C	CASE ASSEMBLY - Right	1	
	06205-5	C	CASE ASSEMBLY - Left	1	
38226-0	87382-2	A,D	Gauge - Oil Pressure	1	
98706-2	87360-2	A,E	Gauge - Oil Pressure	1	
79367-0	87366-2	B	* Gauge - Oil Temperature	1	
550-487	553-672	**	Sender - Oil Temperature	1	
38667-2	87365-2	B,E	* Gauge Cylinder Head Temperature	1	
550-549	553-673	**	Sender - Cylinder Head Temperature	1	
79362-0	765-186	F	Kit - Externally Shunted Ammeter	1	
763-053	687-277		Gauge - Externally Shunted Ammeter	1	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C - Used on PA32R-301 with serial numbers 32R-8013001 to 32R-8113094 and on PA32R-301T with serial numbers 32R-8029001 to 32-8129090.  
D - Used on PA32R-301 only.  
E - Used on PA32R-301T only.  
F - See SERVICE BULLETIN NO. 811A.

NOTE: \* Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft

**PIPER AIRCRAFT**  
**SUPPLEMENT TO SERVICE SPARES LETTER NO. 406**  
**PA34-200 SENECA I, PA34-200T SENECA II**  
**ENGINE GAUGE AND SENDER CROSS-REFERENCE LIST**

Old Part Number	New Part Number	Code	Nomenclature	No. Per Aircraft	Serial Numbers Affected
	06205-4	C	CASE ASSEMBLY	2	
	06205-2	D	CASE ASSEMBLY	2	
79371-0	687-274	A,E	Gauge - Fuel Pressure	2	
79373-0	687-271	A,E	Gauge - Oil Pressure	2	
37340-0	87363-2	A,F	Gauge - Oil Pressure	2	
79367-0	87366-2	B,E	* Gauge - Oil Temperature	2	
550-487	553-672	**	Sender - Oil Temperature	2	
37338-0	87361-2	B,F	* Gauge - Oil Temperature	2	
550-487	553-672	**	Sender - Oil Temperature	2	
550-543	687-264	B,E	* Gauge - Cylinder Head Temperature	2	
550-549	553-673	**	Sender - Cylinder Head Temperature	2	
35798-2	87362-2	B,F	* Gauge - Cylinder Head Temperature	2	
550-549	553-673	**	Sender - Cylinder Head Temperature	2	
37337-0	765-186	F,G	Kit - Externally Shunted Ammeter	2	
763-053	687-277		Gauge - Externally Shunted Ammeter	2	

A - A replacement Case Assembly MUST be ordered on first Rochester gauge or Rochester gauge - sender system replacement.  
B - A gauge and sender MUST be ordered on first Rochester gauge or Rochester sender replacement.  
C - Used on PA34-200 with serial numbers 34-7250001 and up..  
D - Used on PA34-200T with serial numbers 34-7570001 and up.  
E - Used on PA34-200 only.  
F - Used on PA34-200T only.  
G - See SERVICE BULLETIN NO. 811A.

NOTE: \* Indicates gauge for the sender(s) directly below.  
\*\* Indicates sender(s) for the gauge directly above.

When ordering, always specify Part Number, Description, and Serial Number of Aircraft



April 24, 1992

TO: PARTS MANAGERS

SUBJECT: SERVICE SPARES LETTER NO. 406

Our records indicate you have ordered one or more of Piper Part Numbers 89477-02 or 89478-02 case assemblies.

S.S.L. 406 incorrectly specifies Part Number 89477-02 for the PA-28-140, PA-28-150, PA-28-160 and PA-28-180 in certain serial number ranges. Part Number 89478-02 is also incorrectly specified for the PA-28-235, PA-32-260 and PA-32-300 in certain serial number ranges.

The correct call out is just the opposite of that specified in S.S.L. 406. In other words, Piper Part Number 89477-02 case assembly applies to the PA-28-235, PA-32-260 and PA-32-300 and Piper Part Number 89478-02 case assembly applies to the PA-28-140, PA-28-150, PA-28-160 and PA-28-180. The serial number ranges specified in S.S.L. 406 are correct.

You may return these case assemblies for credit by attaching a copy of this letter to the Warranty Claim and return with the parts.

We apologize for any inconvenience this may have caused and provide this information to preclude further confusion. Please adjust your files accordingly.

Best Regards,

**PIPER AIRCRAFT CORPORATION**

Customer Service

cc: Rick Richardson - Warranty

*We Are Flying*

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