



SERVICE *No. 896* BULLETIN

Piper Aircraft Corporation

Vero Beach, Florida, U.S.A.

* PIPER CONSIDERS *
* COMPLIANCE MANDATORY *

Date

November 28, 1988

S/M

(Service Bulletin No. 896 supercedes Service Letter No. 953 dated July 28, 1983, Service Spares Letter No. SP-252A dated May 5, 1971, and Service Spares Letter No. 355 dated September 12, 1979 for the affected models outlined herein)

SUBJECT:

Shoulder Harness Installation & Usage

MODELS AFFECTED:

PA-28-140 Cherokee
PA-28-150/160/180 Cherokee
PA-28-151 Warrior
PA-28-161 Warrior II
PA-28-181 Archer II
A-28-201T Turbo Dakota
A-28R-180 Arrow
PA-28R-200 Arrow/Arrow II
PA-28R-201 Arrow III
PA-28R-201T Turbo Arrow III
PA-28RT-201 Arrow IV
PA-28RT-201T Turbo Arrow IV
PA-28-235 Cherokee
PA-28-236 Dakota
PA-32-260 Cherokee Six
PA-32-300 Cherokee Six 300
PA-32-301 Saratoga

PA-32-301T Turbo Saratoga
PA-32R-300 Lance
PA-32RT-300 Lance II
PA-32RT-300T Turbo Lance II
PA-32R-301 Saratoga SP

PA-32R-301T Turbo Saratoga SP

PA-34-200 Seneca I
PA-34-200T Seneca II
PA-34-220T Seneca III

PA-44-180 Seminole
A-44-180T Turbo Seminole
PA-46-310P Malibu

SERIAL NUMBERS AFFECTED:

28-20000 through 28-7725290
28-1 through 28-7505260, 28-E13
28-7415001 through 28-7715314
28-7716001 through 28-8416131
28-7690001 through 28-8490112
28-7921001 through 28-7921095
28R-30001 through 28R-7130013
28R-35001 through 28R-7635545
28R-7737001 through 28R-7837319
28R-7703001 through 28R-7803374
28R-7918001 through 28R-8218026
28R-7931001 through 28R-8431032
28-10001 through 28-7710089, 28-E11
28-7911001 through 28-8411031
32-1 through 32-7800008
32-40001 through 32-7940290
32-8006001 through 32-8606023,
3206001, 3206002, 3206003
32-8024001 through 32-8424002
32R-7680001 through 32R-7880068
32R-7885001 through 32R-7985105
32R-7887001 through 32R-7987126
32R-8013001 through 32R-8613005
3213001 and 3213002
32R-8029001 through 32R-8629006,
3229001, 3229002
34-7250001 through 34-7450220
34-7570001 through 34-8170092
34-8133001 through 34-8633031,
3433001 through 3433020
44-7995001 through 44-8195026
44-8107001 through 44-8207020
46-8408001 through 46-8608067
4608001 through 4608044

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COMPLIANCE TIME: To coincide with the next annual inspection or complete cycle event inspection but not to exceed one (1) calendar year from date of this Service Bulletin.

PURPOSE: Through the release of earlier service publications, Piper Aircraft has informed its customers of the availability of shoulder harness kits for installation in all Piper Models.

Over the years, Piper, along with the government, industry, and the public, has become increasingly aware that use of complete restraint systems (lap belt and shoulder harness) not only assists in secure positioning of the pilot and passengers during critical phases of flight and in turbulence, but also adds significantly to occupant safety.

While believing that most owners are aware of the benefits of shoulder harness and lap belt use, Piper emphasizes by the issuance of this Mandatory Service Bulletin that information developed during recent years indicates that such use can be a valuable contribution to the safe operation of your airplane.

Accordingly, Piper is issuing this Mandatory Service Bulletin and strongly urges you to install and use the complete restraint system of both seat belts and shoulder harnesses for all crew and passengers each time your aircraft is operated.

This Service Bulletin is the first of several which will address the entire line of Piper products regarding installation of shoulder harness restraints.

This Service Bulletin provides instructions and a "Serial Number Applicability Table" to help determine and facilitate installation of shoulder harness restraint systems for the affected model aircraft.

APPROVAL: The technical contents of this Service Bulletin have been approved by the F.A.A.

INSTRUCTIONS:

1. Visually inspect to determine if seat belts and shoulder harnesses are installed for every seat in your model aircraft. If seat belts and shoulder harness are installed, proceed with instruction 5. If only some or none of your seats are equipped with shoulder harness restraints continue with these instructions.
2. Refer to the "Serial Number Applicability Table" to determine which shoulder harness kit applies to what aircraft and which seat position.
3. Determine if the lap seat belt in your aircraft is of the type to accept the shoulder harness attachment. If not, refer to the appropriate Piper parts manual and order the lap seat belt as called out for shoulder harness installation. Some kits in this Service Bulletin do not include the lap seat belt.

NOTE PA-32/34 AIRCRAFT

For customers with optional seventh seat installation, Piper recommends that this seat not be used. An adequate shoulder restraint is not available.

4. Upon completion of the shoulder harness restraint installation, Piper recommends that the owner/operator becomes familiar with the use of the new restraint system(s).
5. The owner/operator should as standard procedure, use the shoulder harness and lap belt restraint systems and should advise all passengers and crew to use their systems, providing instruction for use as necessary.
6. Upon completion of this Service Bulletin make a log book entry of compliance.

MATERIAL REQUIRED: Appropriate Kit(s) as called out on the "Serial Number Applicability Table".

AVAILABILITY OF PARTS: Your Piper Field Service Facility.

EFFECTIVITY DATE: This Service Bulletin is effective upon receipt.

SUMMARY: Please contact your Factory Authorized Field Service Facility to make arrangements for compliance with this Service Bulletin, in accordance with the compliance time indicated.

NOTE: Because of the large number of aircraft involved in this Service Bulletin, all parts should be ordered well in advance of anticipated usage.

NOTE: If you are no longer in possession of this aircraft, please forward this information to the present owner/operator and notify the factory of address/ownership corrections. Changes should include aircraft model, serial number, and current owner's name and address.

Corrections/changes should be directed to:

Piper Aircraft Corporation
Attention: Customer Services
P.O. Box 1328
Vero Beach, Florida 32961-1328

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SERIAL NUMBER APPLICABILITY TABLE

Model	Serial Number	Seat Position	Kit P/N	Notes
PA-28-140	28-20000 to 28-7725290	Crew	764-981	See 4, 2
	28-20000 to 28-7125641	Aft	765-382	See 1, 4
	28-7225001 thru 28-7725290		763-967	See 4
PA-28-150 PA-28-160	28-01 thru 28-4377	Crew	764-981	See 4
		Aft	765-382	See 1, 4
PA-28-151	28-7415001 thru 28-7715314	Crew	763-981	See 2, 4
		Aft	763-966	See 4
PA-28-161	28-7716001 thru 28-8416131	Crew		Standard Equipment
		Aft	763-966	
PA-28-180	28-671 thru 28-5859 28-7105001 thru 28-7505260	Crew	764-981	See 4, 2
	28-671 thru 28-4377	Aft	765-382	See 1, 4
	28-4378 thru 28-7105234		765-383	See 1, 4
	28-7205001 thru 28-7505260		763-966	See 2, 4
PA-28-181	28-7690001 thru 28-8490112	Crew		Standard Equipment
		Aft	763-966	
PA-28-201T	28-7921001 thru 28-7921095	Crew		Standard Equipment
		Aft	763-966	
PA-28R-180	28R-30004 thru 28R-31270 28R-7130001 thru 28R-7130013	Crew	764-981	See 4
		Aft	765-383	
PA-28R-200	28R-35001 thru 28R-35820 28R-7135001 thru 28R-7635545	Crew	764-981	See 2, 4
	28R-35001 thru 28R-7135229	Aft	765-383	See 1, 4
	28R-7235001 thru 28R-7635545		763-966	
PA-28R-201	28R-7737001 thru 28R-7837319	Crew		Standard Equipment
		Aft	763-966	
PA-28R-201T	28R-7703001 thru 28R-7803374	Crew		Standard Equipment
		Aft	763-966	

SERIAL NUMBER APPLICABILITY TABLE

Model	Serial Number	Seat Position	Kit P/N	Notes
PA-28RT-201	28R-7918001 thru 28R-8218026	Crew		Standard Equipment
		Aft	763-966	
PA-28RT-201T	28R-7931001 thru 28R-8431032	Crew		Standard Equipment
		Aft	763-966	
PA-28-235	28-10001 thru 28-7710089	Crew	764-981	See 2, 4
	28-10001 thru 28-11039	Aft	765-382	See 1, 4
	28-11040 thru 28-7110028		765-383	
	28-7210001 thru 28-7710089		763-966	See 4
PA-28-236	28-7911001 thru 28-8411031	Crew		Standard Equipment
		Aft	763-966	
PA-32-260	32-1 thru 32-1297 32-7100001 thru 32-7500043	Crew	764-982	See 2, 4
	32-1 thru 32-1297 32-7100001 thru 32-7100028	Center & Aft	765-384	See 1, 3, 4 No Cargo Door
	32-1 thru 32-1297 32-7100001 thru 32-7100028	Center & Aft	765-385	See 1, 3, 4 With Cargo Door
	32-7200001 thru 32-7800008	Center & Aft	763-968	See 1, 3, 4 Fwd facing only
	32-7700001 thru 32-7800008	Aft-Facing	765-373	Center only
	32-7200001 thru 32-7800008	Aft Only	763-969	See 1, 4
PA-32-300	32-40000 thru 32-40974 32-7140001 thru 32-7540188	Crew	764-982	See 2, 4
	32-40000 thru 32-40974 32-7140001 thru 32-7140078	Center & Aft	765-384	See 1, 3, 4 No Cargo Door
	32-40000 thru 32-40974 32-7140001 thru 32-7140078	Center & Aft	765-385	See 1, 3, 4 With Cargo Door
	32-7240001 thru 32-7940290	Center & Aft	763-968	See 1, 3, 4 Fwd facing only
	32-7740001 thru 32-7940290	Aft-Facing	765-373	Center only
	32-7240001 thru 32-7940290	Aft Only	763-969	See 1, 4

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SERIAL NUMBER APPLICABILITY TABLE

Model	Serial Number	Seat Position	Kit P/N	Notes
PA-32-301	32-8006001 and up	Crew		Standard Equipment
	32-8006001 thru 32-8406019	Fwd Face Center & Aft	763-968	See 3
	32-8506001 and up			Standard Equipment
	32-8006001 and up	Aft-Facing	765-373	Center only
	32-8006001 thru 32-8406019	Aft Only	763-969	
	32-8506001 and up			Standard Equipment
PA-32-301T	32-8024001 thru 32-8424002	Crew		Standard Equipment
		Center & Aft	763-968	See 3 Fwd Facing only
		Aft-Facing	765-373	Center only
		Aft Only	763-969	
PA-32R-300	32R-7680001 thru 32R-7880068	Crew		Standard Equipment
		Center & Aft	763-968	See 3 Fwd facing only
		Aft-Facing	765-373	Center only
		Aft Only	763-969	
PA-32RT-300	32R-7885001 thru 32R-7985105	Crew		Standard Equipment
		Center & Aft	763-968	See 3 Fwd facing only
		Aft-Facing	765-373	Center only
		Aft Only	763-969	

SERIAL NUMBER APPLICABILITY TABLE

Model	Serial Number	Seat Position	Kit P/N	Notes
PA-32RT -300T	32R-7887001 thru 32R-7987126	Crew		Standard Equipment
		Center & Aft	763-968	See 3 Fwd facing only
		Aft-Facing	765-373	Center only
		Aft	763-969	
PA-32R-301	32R-8013001 and up	Crew		Standard Equipment
	32R-8013001 thru 32R-8413024	Fwd Face Center & Aft	763-968	See 3
	32R-8513001 and up			Standard Equipment
	32R-8013001 and up	Aft-Facing	765-373	Center only
	32R-8013001 thru 32R-8413024	Aft Only	763-969	
PA-32R-301T	32R-8029001 and up	Crew		Standard Equipment
	32R-8029001 thru 32R-8429027	Fwd Face Center & Aft	763-968	See 3
	32R-8529001 and up			Standard Equipment
	32R-8029001 and up	Aft-Facing	765-373	Center Only
	32R-8029001 thru 32R-8429027	Aft Only	763-969	
PA-34-200	34-7250001 thru 34-7450220	Crew	764-982	See 2, 4
		Center & Aft	763-968	See 3, 4 Fwd facing only
		Aft Only	763-969	See 4
PA-34-200T	34-7570001 thru 34-8170092	Crew	764-982	See 4
		Center & Aft	763-968	See 3, 4 Fwd facing only
		Aft-Facing	765-373	See 4 Center only
		Aft	763-969	See 4

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SERIAL NUMBER APPLICABILITY TABLE

Model	Serial Number	Seat Position	Kit P/N	Notes
PA-34-220T	34-8133001 and up	Crew		Standard Equipment
	34-8133001 thru 34-8433088	Center & Aft	763-968	See 3 Fwd facing only
	34-8133001 thru 34-8633031 3433001 thru 3433020	Aft-Facing	765-380	
	34-8133001 thru 34-8433088	Aft Only	763-969	
PA-44-180	44-7995001 thru 44-8195026	Crew		Standard Equipment
		Aft	763-966	
PA-44-180T	44-8107001 thru 44-8207020	Crew		Standard Equipment
		Aft	763-966	
PA-46-310P	46-8408001 and up	Crew		Standard Equipment
	46-8408001 thru 46-8608067 4608001 thru 4608044	Aft-Facing	765-374	
	46-8408001 thru 46-8408087	Aft	765-375	
	46-8508001 and up			Standard Equipment

NOTES

1. This kit does not contain lap seat belt. For aircraft built prior to the 1972 Model year, order the lap seatbelt as required using the appropriate parts catalogue.
2. Some parts in this kit may already be in your aircraft. If this condition occurs discard duplicate parts.
3. Shoulder harness restraints for seventh seat installations are not available. Piper recommends that this seat not be used.
4. Shoulder harness restraints are offered only in black.