

# Beechcraft SERVICE LETTER

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63-12

Kit 23-7

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## NOSE WHEEL STEERING INSTALLATION FOR MUSKETEERS

**MODELS AFFECTED:** 23 serials prior to M-467 and serials M-470, M-479 thru M-483, M-486, M-487, M-506, M-533, M-534, M-541, and M-565.

A nose wheel steering mechanism has been designed by Beech Aircraft Corporation as optional equipment available for installation on current production Musketeers. With the addition of this installation the nose wheel is steerable through an arc extending a maximum of  $40^{\circ} \pm 2^{\circ}$  in either direction from the center position of the nose wheel. The actuating mechanism consists of a steering linkage that extends between an actuating arm attached to the forward rudder pedal torque tube and an adapter assembly mounted on the nose wheel landing gear. The shimmy dampener is also attached to the adapter assembly. The fixed nose wheel landing gears of Musketeers now in the field can be modified for nose steering by the installation of Kit 23-7.

### NOTE

A Brown and Sharp No. 2 reamer is required to modify the rudder pedal torque tube for installation of the actuator arm included in the kit.

Upon completion of this modification, an appropriate compliance note specifying the kit identification number and kit serial number should be entered in the aircraft log book. The kit serial number appears on the pink card placed in each kit.

The following is a preliminary listing of the parts contained in Kit 23-7 and is provided with this service information for reference and familiarization purposes. A copy of Kit Information Drawing 23-001033 accompanies each kit to provide the detailed instructions necessary to modify the nose wheel landing gear and rudder pedal torque tube. Included in each kit at the time of assembly is a packing sheet on which is a current listing of parts for check-off and replacement purposes. It is suggested that the packing sheet be removed from the kit and filed for future reference until a listing of the parts is incorporated in the Airplane Parts Catalog.

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Model 23  
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QUANTITY	PART NUMBER	NOMENCLATURE
1	169-810000-63	Stop Assembly
1	169-810018-29	Plate
1	169-810018-49	Shaft Assembly
1	169-810019	Arm Assembly
1	169-810020-1	Adapter Assembly
2	1300068-832	Nut Plate
1	AD509	Boot
1	AN4-11	Bolt
1	AN24-16	Bolt
1	AN310-4	Nut
1	AN320-4	Nut
1	AN386-2-13A	Pin
2	AN515-8R8	Screw
1	AN520-10R8	Screw
3	AN525-10R12	Screw
1	AN742-8	Clamp
2	AN960-8	Washer
4	AN960-10	Washer
2	AN960-416	Washer
1	AN975-3	Washer
1	AN995-C41-20	Lock Wire
4	MS20364-1032	Nut
1	MS20365-1032	Nut
4	MS20426AD3-4	Rivet
2	MS24665-136	Cotter Pin