

TITLE

LANDING GEAR - BRAKE MASTER CYLINDER O-RING

EFFECTIVITY

MODEL	SERIAL NUMBERS
172S	172S11073 thru 172S12364, 172S12370 thru 172S12378, 172S12388
182T	18282277 thru 18283086
T182T	T18209019 thru T18209100
206H	20608326 thru 20608353
T206H	T20608968 thru T20609587

REASON

There have been reports of brake hydraulic fluid leakage from the outlet port of the brake master cylinder.

Findings show an incorrect sized O-ring may have been installed or installed incorrectly. If braking effectiveness is lost, or hydraulic fluid is leaking from the master cylinder outlet port, the leakage could be from an incorrect sized or incorrectly installed O-ring.

When the O-ring is replaced, make sure to install an MS28778-3 O-Ring. Use care to position the O-ring correctly on the land and not on the threaded portion of the fitting. In addition; do not over tighten the AS5178W03 Nut, over tightening can deform the O-ring causing a leak.

For additional information, refer to the applicable maintenance manual, Chapter 32, Brake System - Maintenance Practices.

COMPLIANCE

INFORMATIONAL. This service document is for informational purposes only.

FLIGHT CREW OPERATIONS

No Changes

TOOLING

No specialized tooling is required to complete this service document.

REFERENCES

Cessna Model 172R/172S Maintenance Manual

Cessna Model 182S/182T/T182T Maintenance Manual

Cessna Model 206H/T206H Maintenance Manual

NOTE: To make sure all publications used are complete and current. Refer to www.txtavsupport.com.

PUBLICATIONS AFFECTED

None

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MATERIAL INFORMATION

It may be necessary to order the part below for each brake master cylinder that needs an O-Ring replaced.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
MS28778-3	1	O-Ring	Same	Discard Old Install New

* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.

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TO:

Cessna Model 172S, 182T, T182, 206H, T206H Aircraft Owner

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LABOR HOURS

For planning purposes only:

WORK PHASE	LABOR-HOURS
Modification (Replace O-Ring Per Master Cylinder)	1.0
Operational Check of the Brake System	0.5

MATERIAL AVAILABILITY

The part below may be required to complete this service document.

PART NUMBER	AVAILABILITY	COST
MS28778-3	*	*

* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.

WARRANTY

None

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