

STOL CH 801

LYCOMING O-360 Engine Installation

SECTION 6 Cross Over Muffler



Cross over muffler. Carb heat is on right side, and cabin heat is on right side.



MUFFLER SYSTEM AS SUPPLIED.

THE LEFT AND RIGHT COLLECTORS ARE IDENTICAL INCLUDE THE HEAT SHROUD.

0360 CROSS OVER MUFFLER.



UNIVERSAL BALL JOINT



SLIP JOINT



LEFT MUFFLER.

Note: muffler heat wrap is should not be required.



MUFFLER IN LINE WITH
THE CUOUT IN THE
LOWER COWL



MINIMUM OF 15MM
BETWEEN THE
MUFFLER AND THE
FUSELAGE BOTTOM
SKIN



VIEW FROM FRONT



SIDE VIEW

NOTE: THE END OF THE MUFFLER ARE CUT BACK PARALLEL WITH THE BOTTOM OF THE FUSELAGE.



MUFFLER HANGERS
TPH5

QTY=2



MUFFLER HANGER
ATTACHMENT BRACKET
360-MHA5

SL NUT
AN365-516

PENNY WASHER
AN970-5

QTY=2 EACH



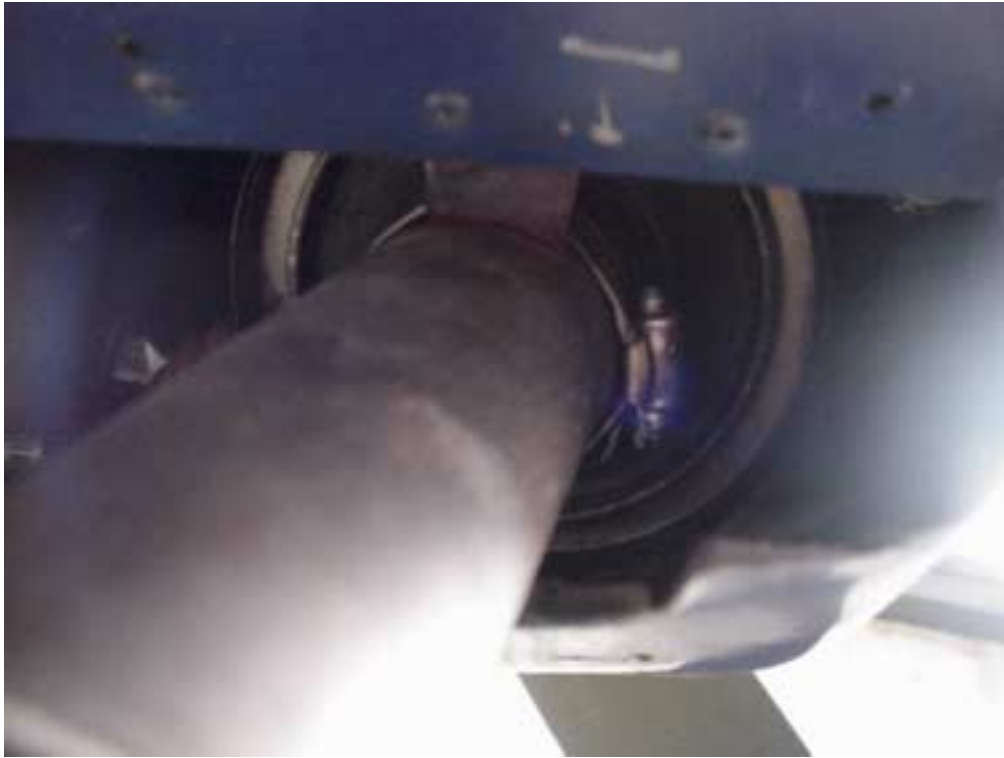
First install the muffler strap to the muffler with the hose clamp, then find the best location of the muffler bracket on the firewall. **INSTALL THE MUFFLER HANGER WITH THE STEEL END FACING FORWARD**

Install the muffler hanger through the last hole

Note: muffler hanger shown in photo has 6 holes; part number **TPH5** has 3 holes.

MUFFLER HANGER ATTACHMENT BRACKET RIVETED WITH 4X A5 RIVETS TO THE FIREWALL

The Muffler hanger to support the end of the muffler.
The rivet on the Muffler hanger should not be rubbing on the firewall, keep the hose clamp



VIEW OF RIGHT SIDE

HOSE CLAMP
P/N FHC5-36
QTY=2

Hose clamp around pipe and steel bracket at the end of the muffler hanger.



PHOTO: LOOKING UP
AT LEFT SIDE FROM
UNDERNEATH THE
AIRCRAFT WITH THE
COWL INSTALLED.

IMPORTANT: SAFTEY WIRE THE HOSE CLAMP.

*****MUFFLER***
SECTION 6**

P/N	DESCRIPTION	QTY
33276	MUFFLER SYSTEM w/ CAR & CABIN HEAT SHROUDS	1
AN970-5	PENNY WASHER	2
AN365-516	SL NUT	2
360-MHA5	MUFFLER HANGER ATTACHMENT BRACKET (riveted to firewall for TPH5)	2
TPH5	MUFFLER HANGERS	2
FHC5-36	2-1/4" HOSE CLAMP (for muffler and muffler hanger)	2