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SERVICE BULLETIN

SB024-1294

Subject: Matco Brake Plat Alignment / Lancair 320 / 360

Date: 14th December, 1994

Ref: None

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Status: Advise Inspection

It has come to our attention that a potential clearance / alignment problem could result when assembling the axle / brakes on recent models of Matco brakes due to part changes by Matco. The potential problem is that the new Matco brake plates were changed. They now have symmetrical bosses on which the brakes slide in and out. As brake pads wear, the need for additional travel clearances becomes even more critical.

If the assembly is not installed with adequate travel available, then the result is that only one side of the brake rotor and pad would make contact and braking power would be greatly reduced. We recommend that you inspect your assembly and check for clearances and alignment.

1. If you have already installed your brakes, make a simple check to verify that the brake pad assembly has travel room. The brake pads should both have contact against the disk and there must be a gap (approx. 0.080") at location (A). This space is necessary to provide clearance (travel room) as the pads wear down.

We have modified our axles (late model) such that the dimension (X) is now 1.40" vs. the earlier 1.30". If you have the 1.30" style axle and are using the 500 x 5 gear installation, then the position of the supplied spacer can be switched with the brake plate during installation. By placing the spacer on the axle first followed by the brake plate, you will gain approx. 0.125" of additional clearance.

2. If you appear to have a travel clearance problem and are not sure how to correct it, please call Pat at Neico Aviation.

