



TORQUE CONVERTER PARTS

FD-DA-15PB

LOCKUP PISTON PLATE

INSTALLATION INSTRUCTIONS

To complete this assembly you will need a 10 1/4" CD4E piston damper, a Sonnax **FD-DA-15PB** piston plate, 12 **FD-RV-7** countersink rivets and 6 **FD-RV-8** stand-off rivets.

Remove the rivets on the piston side of the old assembly. Be careful not to damage the spring damper retainer plates. **FD-DA-15PB** has a friction ring bond surface, unlike the OEM, where the friction ring is bonded to the cover. This piston is also designed to be .040" thicker on the friction surface to allow the complete removal of the friction and steel ring that is on the factory front cover and to maintain the correct piston clearance.

If the steel ring is left in the cover, then .040" must be removed from this piston. The OEM friction ring is bonded to the front cover. Sonnax **FD-DA-15PB** is designed to have the friction ring bonded to the piston/damper assembly, which will require reworking the front cover to a "reactive" lockup surface finish.

Friction ring **445080K** is recommended for this piston (9.75" O.D. x 8.25" I.D. x .045" thick Kevlar®).

Notice the balance notches on the O.D. of the factory piston. Material is removed to balance the assembly. Each assembly will have different notches, depending on how out-of-balance that particular assembly was before balancing.

After riveting on the new piston it is recommended that the new assembly be balanced. Do not rely on the converter balancing to balance the piston damper as well. The piston damper and the converter impeller and cover rotate independently and thus must be balanced independently. Balancing can be done on a converter balancer using a turbine hub as the centering tool on the balancer table. Material may be removed, as in the factory, or material can be added: A weld bead may be enough to balance the assembly. Be careful not to overheat the friction ring if adding a weld bead to balance.

Make sure that the correct clutch springs match the engine and vehicle. It is possible that there are different spring sets for the various applications.