



Technical Service Information

THM 4T60-E PREMATURE 2ND CLUTCH FAILURE

COMPLAINT: After rebuild, you experience a condition of premature 2nd clutch failure, and after inspecting the unit you can find no root cause for the failure.

CAUSE: The cause may be, the 2nd Clutch Housing Inner Liner is cracked. When this inner liner, that is "TIG" welded into the housing, is cracked it is impossible to detect with an air check of the 2nd clutch housing. The inner liner is cracked because of second clutch pressure applying force against the pressure plate snap ring. With the weld point being much inboard of the pressure point the inner liner will crack just outside of the weld, as illustrated in Figure 1. The only successful way to determine if the drum is cracked, is to pry upward on the inner liner using a screwdriver, with a *very small* amount of oil left in the bottom of the housing.

CORRECTION: There *must* be a new 2nd Clutch Housing installed into the unit, as the cracked one cannot be successfully repaired. To prevent this from occurring again, spot weld the inner liner to the on the new second clutch housing with a "TIG" welder every sixth tooth around the housing, as illustrated in Figure 1.

*Compliments Of,
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Newark, Delaware*

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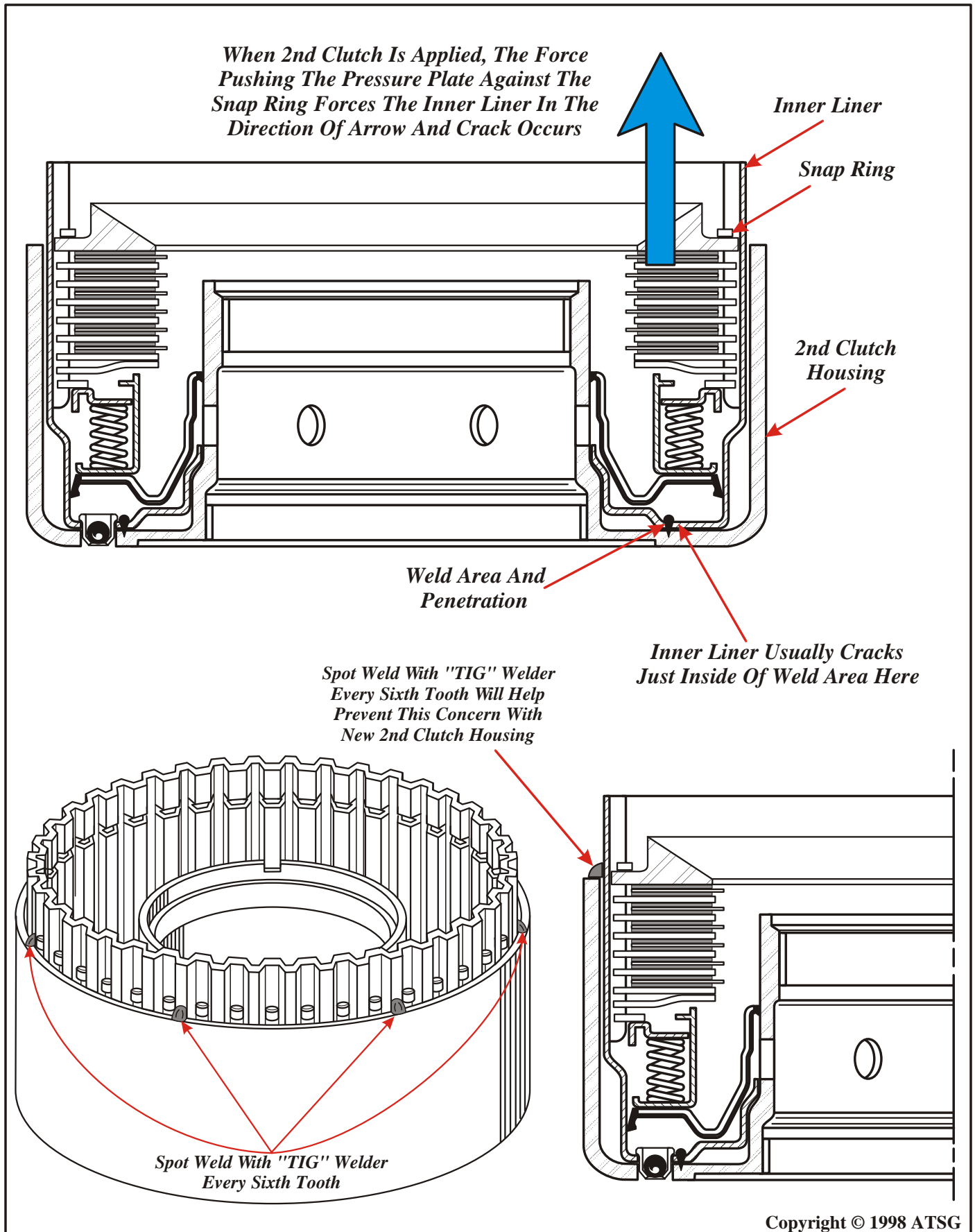


Figure 1