



THM 4T65-E

NEW DESIGN "PAWL" CLUTCH TYPE FREEWHEEL FOR INPUT AND THIRD

CHANGE: Some 2003 model THM 4T65-E transaxles will come equipped with a newly designed Input and Third "Pawl" Clutch Assembly instead of the previous design Input and Third Sprag Clutch, as shown in Figures 1 and 2. This was implemented at start of production for the 2003 model year.

REASON: Ease of assembly and cost savings.

PARTS AFFECTED:

- (1) INPUT "PAWL" CLUTCH - The new design outer race has 30 splines instead of the previous 32 on the Input Sprag and cannot be disassembled like the previous design Sprag Clutch, which obviously makes the assembly process easier. Refer to Figures 1 and 2 for illustrations of both designs.
- (2) INPUT CLUTCH FIBER PLATE - The new design fiber plate has 30 teeth instead of the previous design 32 teeth, to accommodate the new design "Pawl" Clutch Assembly. Refer to Figure 3 for illustrations of both designs.
- (3) THIRD "PAWL" CLUTCH - The new design cannot be disassembled, like the previous design Sprag Clutch, which obviously makes the assembly process easier. Refer to Figures 1 and 2 for illustrations of both designs. The third clutch fiber plates remain the same as previous models.

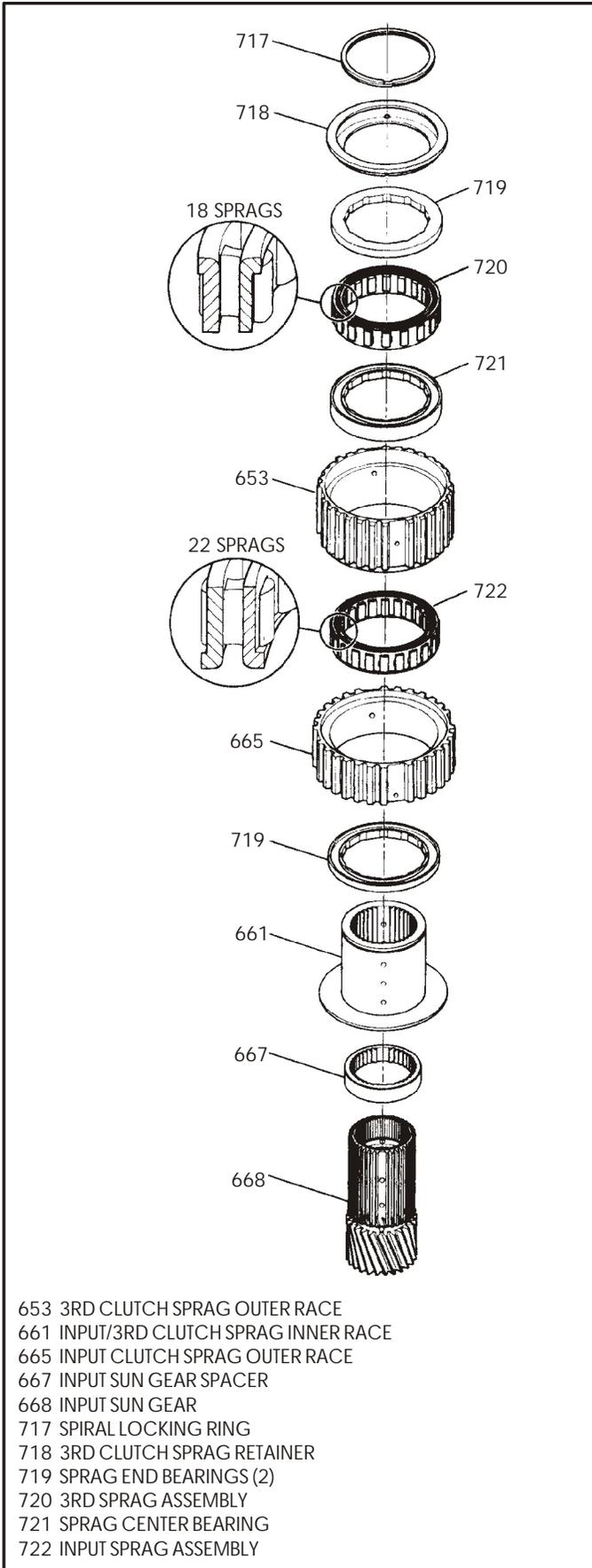
INTERCHANGEABILITY:

The above listed parts will back service any model 4T65-E transaxle equipped with the previous "Dual Sprag" design, *when all parts are used as a service package.*

Note: To maintain proper operating clearances within the transaxle, these parts must be used as a set. Do not mix these parts with any previous design assemblies.

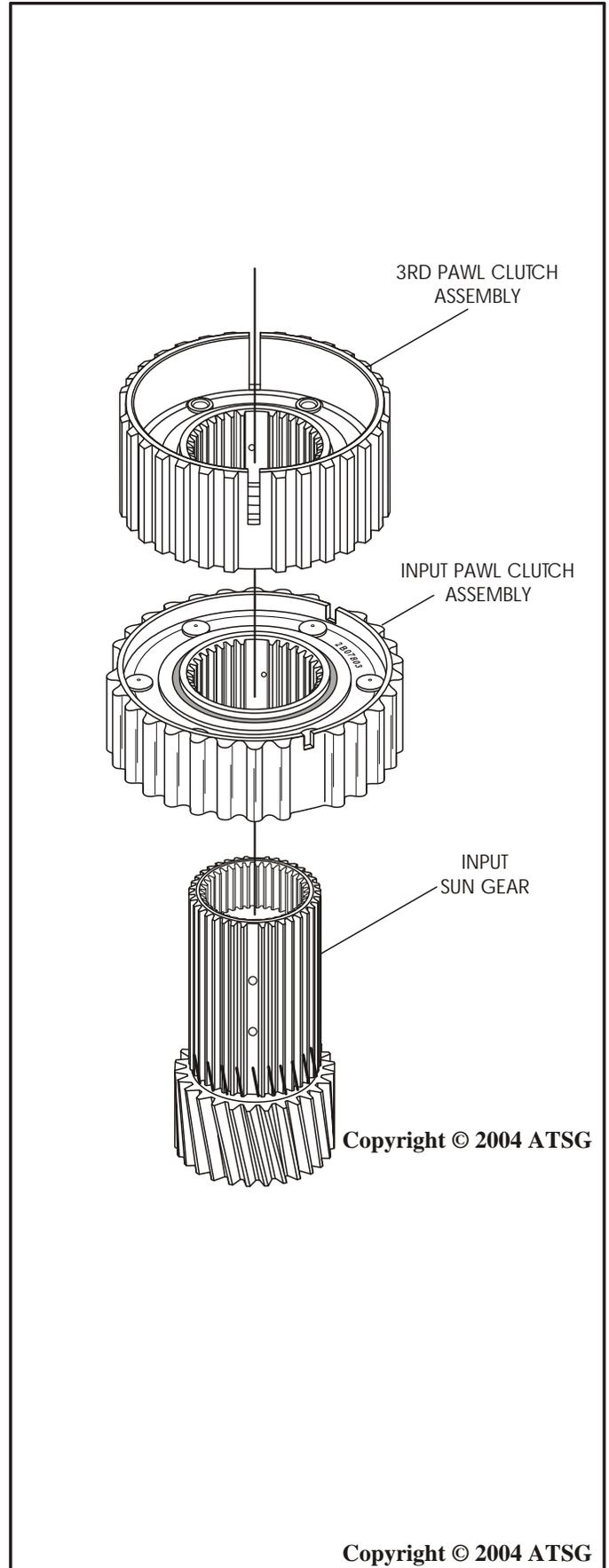
SERVICE INFORMATION:

	<i>Borg Warner</i>	<i>OEM</i>
Input Pawl Clutch Assembly	13013BW	24216816
Input Clutch Friction (Mates with Pawl Clutch)	29194AM	24216502
Third Pawl Clutch Assembly	13000BW	24216817



- 653 3RD CLUTCH SPRAG OUTER RACE
- 661 INPUT/3RD CLUTCH SPRAG INNER RACE
- 665 INPUT CLUTCH SPRAG OUTER RACE
- 667 INPUT SUN GEAR SPACER
- 668 INPUT SUN GEAR
- 717 SPIRAL LOCKING RING
- 718 3RD CLUTCH SPRAG RETAINER
- 719 SPRAG END BEARINGS (2)
- 720 3RD SPRAG ASSEMBLY
- 721 SPRAG CENTER BEARING
- 722 INPUT SPRAG ASSEMBLY

Figure 1



Copyright © 2004 ATSG

Copyright © 2004 ATSG

Figure 2

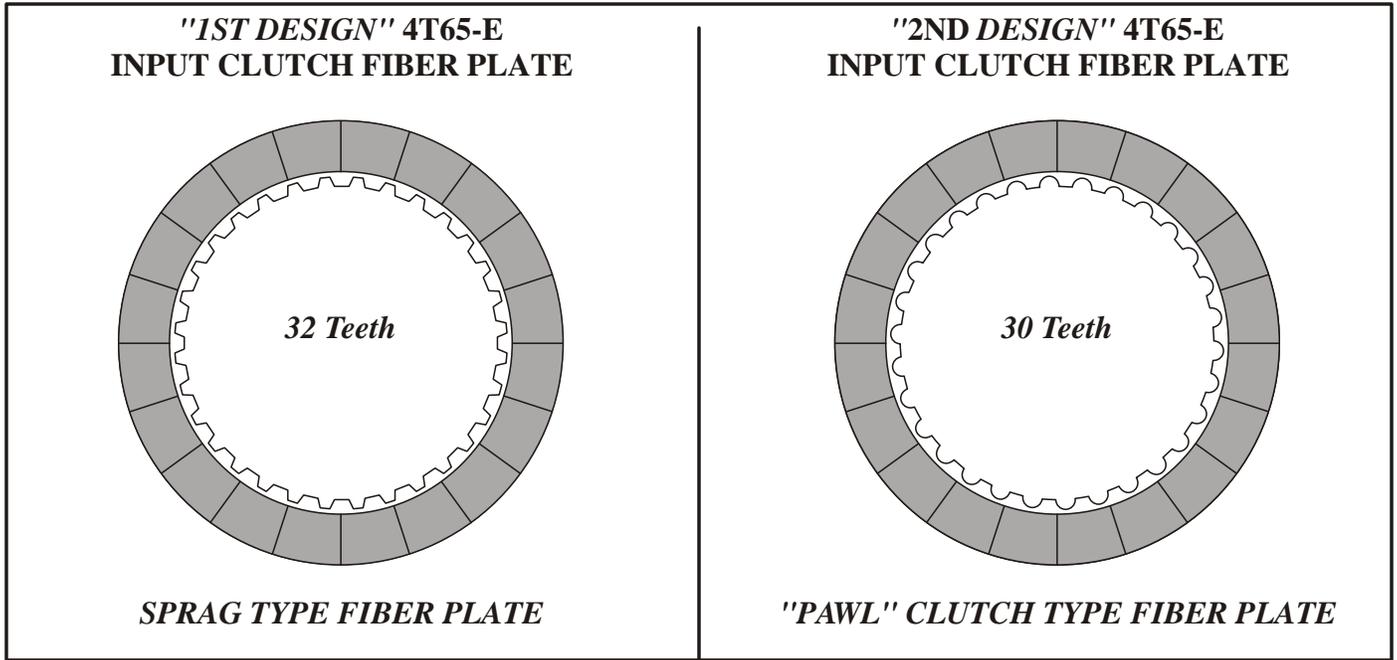


Figure 3

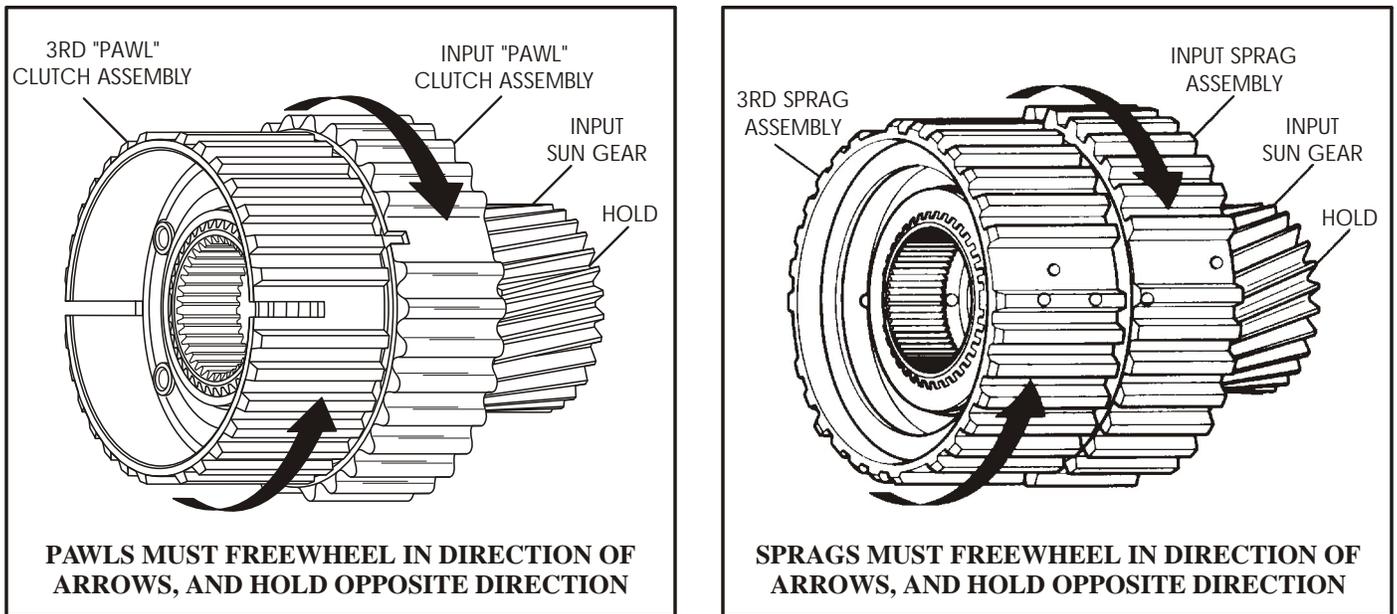


Figure 4