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PRODUCT INFORMATION BULLETIN

TO: ALL DEALERS

February 10, 1992
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SUBJECT: POWERSHIFT TRANSMISSION FILTERS

Inspection of powershift transmissions at the time of rebuild has revealed that a high percentage of failures are caused by contamination.

Through extensive research, we have found that the filter bypass valve will become partially stuck open after contaminants have passed through it for a period of time.

When this condition exist it becomes necessary to remove the bypass valve from the filter head, disassemble and recondition.

The bypass valve is the black plastic piece that fits into the top of the filter element when it is installed. The bypass valve may be removed from the filter head by using a pair of channel lock pliers and a shop rag. Wrap the shop rag around the bypass valve and using the channel lock pliers, screw the valve out in a counter clockwise rotation.

Remove the snap ring from the inner side of the bypass valve and remove spring. Firmly push the inner housing of the bypass valve from the outer housing. Using a piece of fine emery cloth, polish the outer portion of the inner housing and the inner portion of the outer housing until the inner housing will move in and out of the outer housing freely. Reassemble the bypass valve and install into the filter housing, using the shop rag and channel lock pliers. Torque to approximately 15 foot pounds.

This procedure should be followed each time a rebuilt or new transmission is installed.

We also recommend that after each time a transmission is replaced that the following filter change intervals be adhered to:

1. New filter element change at time of transmission replacement.
2. Change element after 8 hours of operation.
3. Change element after 16 hours of operation.

After this use the normal filter and oil change recommended intervals.

If this procedure is followed, it will greatly decrease the possibility of transmission failures caused by contamination.

We also highly recommend that the above recondition procedure be followed on the bypass valve at each filter element change interval.

Recommended filter and oil change intervals are as follows:

1. Change element every 250 hours.
2. Change oil at 500 HR Intervals