

TRANSMISSION OPERATION

OMATIC SHIFT TRANSMISSION

Automatic is a 10-speed automatic transmission. The transmission can make fully automatic shifts or gear shifts can be manually selected. Automatic and manual shift range selection is made on the touch-pad on the lower control panel (Figure 46).

Control and Digital Display

The selector contains 6 touch-pad buttons and a digital display. The buttons select the type of operation; the display shows operating codes.

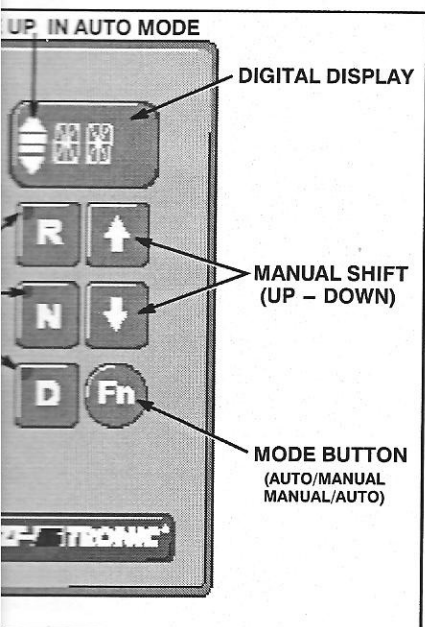


FIGURE 46

Operation Controls

The 'R' and 'N' shift selection touch-pad buttons have an LED. The LED lights on the selected transmission operation.

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RAL
RSE

▲▼ – Used to select gear ranges manually. The display will show the current gear range. Lower gears should be selected to provide maximum engine braking on steep grades.

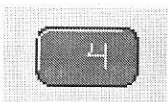
Fn – Switches back and forth between automatic function and manual shifting. If automatic function is chosen, two horizontal bars between arrows show next to the gear range number. If only the gear range number shows, manual gear range selection is indicated.

Function and Error Displays

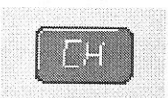
Various digital codes are shown in the display. Some of these are transmission operating status codes and some are error codes warning of potentially harmful situations.



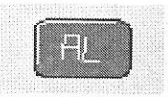
Automatic shift mode selected. Indicated by horizontal bars between arrows next to the selected gear range.



Manual shift mode selected. No horizontal bars between arrows next to the selected gear range.



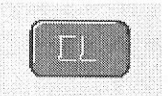
Transmission self-diagnostic check which occurs when the ignition switch is turned on.



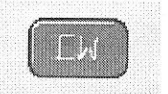
Insufficient air pressure to operate the shifting system. This code alternates with the normal display. Wait until air system builds to working pressure before shifting.



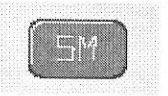
Engine idle speed required by lifting the accelerator pedal. If the code does not go out, there is a system error. Safely stop and park the coach and call dispatch for help.



The clutch is overloaded. This code alternates with the normal operating display.



Clutch wear. Servicing is required.



A major transmission system failure. Safely stop and park the coach. Shut the engine down and call dispatch for help.

