Transmission Condition Diagnosis
Chapter 13

ACROSS

1  Sometimes the ____________ ______ is part of the PCM, sometimes it is a stand alone unit.
8  The most likely cause for a pressure problem in park or neutral are the pump, intake filter, and ____________ __________ because the fluid flow path is usually through the filter, valve body, transmission case, pump assembly, and back through the transmission case to the valve body.
10 One of the roles of the ____________ ______ is to monitor transmission operation and determine if malfunctions may be occurring.
11 __________ a module is the updating of the programming an electronic control module such as the PCM or TCM to solve an issue or customer concern.
12 Some highly _______ - _______ ATFs do tend to turn light brown after a short period of time and this should not be used as a sign of fluid breakdown.

DOWN

2 __________ is often necessary when a new TCM is installed.
3 A varnish-like odor indicates fluid _______ and breakdown.
4 A common analog hydraulic pressure gauge is normally dampened, so minor pressure __________ are lost.
5 The electrical _______ of an electronic gauge can be connected to a scope, which can be used to watch small pressure changes and find an important clue to the cause of a problem.
6 The _______ _______ monitors the time needed to fill a clutch as it applies.
7 Hydraulic noise, often described as a "buzz," is the result of rapid fluid pressure __________.
9 When a transmission has _______ for individual apply circuits as well as line pressure, the condition of that circuit can be easily determined by comparing its pressure with line pressure.