

DRIVING TRANSMISSION TECHNOLOGY®



ALLISON PROGNOSTICS

ELIMINATE UNNECESSARY OIL AND FILTER CHANGES
ROUTINE MAINTENANCE MADE EASIER



Save time and money. Get maximum protection.

As part of Allison Transmission's continuous product improvement initiative, all Allison fully automatic transmissions are now available with prognostic features* at no additional charge.

Allison prognostics take the guesswork and hassle out of scheduling routine vehicle maintenance to save you time and money while providing maximum protection for the transmission. That means less downtime, lower life-cycle costs and, best of all, greater productivity for your fleet.

Calibrated to the particular operating requirements of the vehicle, Allison prognostics monitor various operating parameters to determine and alert when a specific maintenance function is required. Allison approved TES 295 transmission fluid is required.**

**On-highway models only. Seven-speed models available in January 2010. Allison transmissions can be ordered without Allison prognostics.*

***Prognostics will be compatible with TES-389 fluids beginning in 2010. However, use of non-TES 295 approved fluids voids any extended transmission coverage.*



ALLISON PROGNOSTICS ALERT WHEN SERVICE IS DUE

OIL LIFE MONITOR

Based on the vehicle's duty cycle, this feature determines fluid life and alerts you when a fluid change is required. Not only does it help you get maximum fluid life while providing the maximum protection for the transmission, the Oil Life Monitor also saves you money by preventing unnecessary fluid changes.



FILTER LIFE MONITOR

This feature provides an alert when the transmission's fluid filter(s) needs to be replaced. It helps extend filter change intervals to reduce routine maintenance downtime and saves you money in the long run. All while providing maximum protection for the transmission.



TRANSMISSION HEALTH MONITOR

This prognostic feature determines the condition of the transmission's clutches and alerts you when clutch maintenance is required. It helps avoid costly repairs and downtime by taking the guesswork out of scheduling routine transmission maintenance. And, it insures your transmission is operating at its maximum performance level.



How Allison prognostics work.

While Allison prognostics use sophisticated electronic monitoring technology, they are very user friendly.

When service is due for Allison 3000/4000 Series models, a wrench icon on the shift selector's digital display alerts the operator. And, similar to checking fluid level and diagnostics, you can check the status of all three prognostic features simply by toggling through the shift selector's display.



1000/2000 Series models require either a service light or J1939 text display to alert the operator.

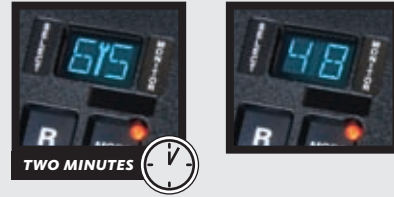
All prognostic features can be accessed through Allison DOC®. User should refer to the *Service and Training Reference Guide (JA5670EN)* for further information.

If you prefer not to use Allison prognostics, the feature can be disabled.

Refer to the *Shift Selector Operation and Code Manual (SA3360EN)* for instructions on how to reset prognostic features.

WHEN FLUID IS DUE FOR A CHANGE:

The wrench icon (3000/4000 Series) or service light (1000/2000 Series) is illuminated and stays on for two minutes after the Drive range is selected. Once the Oil Life Monitor mode has been accessed via the shift selector, a number between "0" and "99" will be displayed indicating the percentage of fluid life remaining before a change is required.



WHEN THE FILTER(S) ARE DUE FOR A CHANGE:

The wrench icon or service light flashes on and off for two minutes after the Drive range is selected. Once the Fluid Life Monitor mode has been accessed via the shift selector, an "oK" or "Lo" will be displayed. "oK" means the filter(s) does not need to be changed, and "Lo" means the filter(s) needs to be changed.



WHEN CLUTCH MAINTENANCE IS DUE:

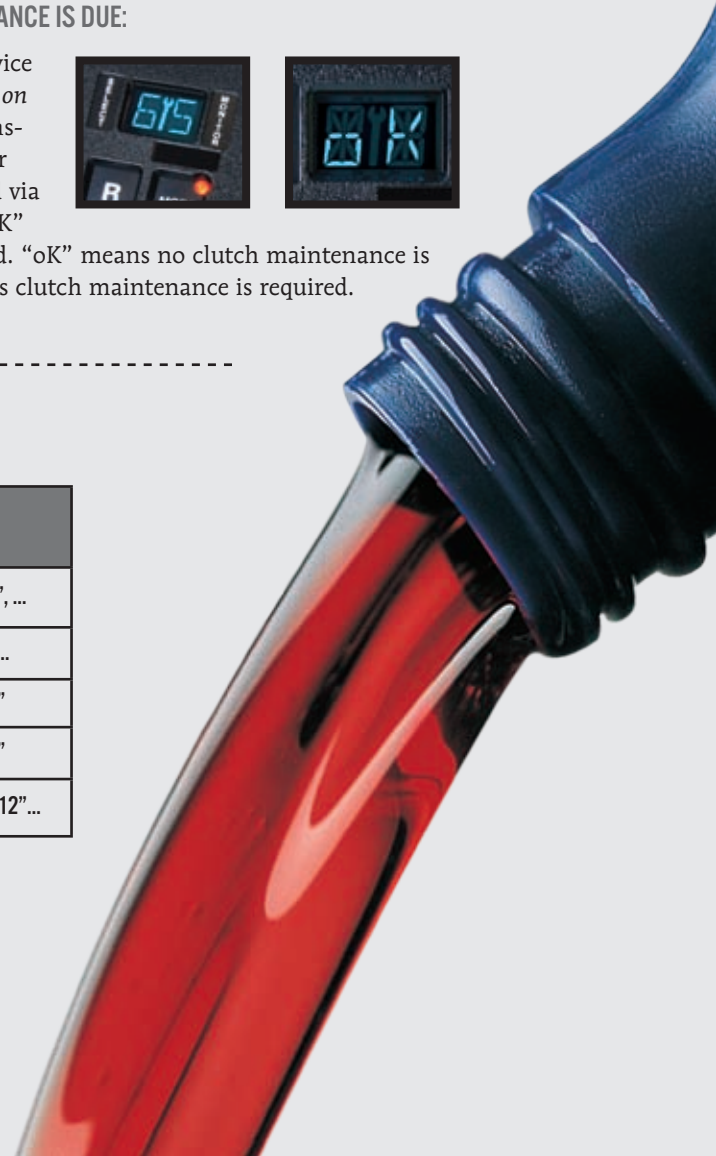
The wrench icon or service light comes on and stays on in all ranges. Once Transmission Health Monitor mode has been accessed via the shift selector, an "oK" or "Lo" will be displayed. "oK" means no clutch maintenance is needed, and "Lo" means clutch maintenance is required.



Accessing prognostics via Allison shift selectors.

3000/4000 Shift Selectors* Push Diagnostic Button or Up/Down Arrow Buttons		Mode ID	Readout
1st press	Oil Level Sensor	oL	"oL Lo 02", "oL HI 01", ...
2nd press	Oil Life Monitor	oM	"oM 88", "oM 25", ...
3rd press	Filter Life Monitor	FM	"FM oK" or "FM Lo"
4th press	Trans Health Monitor	TM	"TM oK" or "TM Lo"
5th press	Diagnostic Code	d#	"d1 P 07 22", "d2 P 13 12"...

*1000/2000 Shift Selectors require OEM to display the monitor status data that is broadcast on J1939 network, or user can access monitor status via Allison DOC®.





Ask for Allison Automatics

For more information, contact your
Allison Transmission representative.
www.allisontransmission.com

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