

DIAGNOSIS AND TESTING (Continued)

(Continued) DIAGNOSIS AND TESTING

STOP-WARNING

You should enter this Pinpoint Test only when Diagnostic Trouble Codes (DTC's) 453 and / or 454 are received in the KOER Self-Test.

This Pinpoint Test is intended to diagnose only the following:

- Speed control servo
- Vacuum hose connections
- Speed control vacuum reservoir
- Check valve

**PINPOINT TEST E
DOES NOT HOLD SPEED DURING DYNAMIC TEST**

TEST STEP		RESULT	ACTION TO TAKE
E1	DIAGNOSTIC TROUBLE CODE 453		
	<ul style="list-style-type: none"> ● Repeat Engine Running Self-Test of QUICK TEST. Be sure that the speed control ON button is pressed before pressing the SUPER STAR II push button. 	Diagnostic Trouble Code 453 still present? No Diagnostic Trouble Code 453	GO to E2. speed control servo leaks down test passed. SERVICE any other Diagnostic Trouble Code as necessary.
E2	CHECK VACUUM HOSES		
	<ul style="list-style-type: none"> ● Is vacuum supply hose tightly connected to VAC port on check valve and to vacuum manifold, and free of cuts, cracks and kinks? ● Is vacuum hose tightly connected between check valve and speed control servo, and free of cuts, cracks and kinks? ● Is vacuum hose tightly connected between check valve and speed control vacuum reservoir, and free of cuts, cracks and kinks? ● Is speed control metering valve hose tightly connected to the speed control vacuum reservoir and speed control metering valve, and free of cuts, cracks and kinks? 	Yes No	GO to E3. SERVICE vacuum hoses. REPEAT Quick Test.
E3	CHECK SPEED CONTROL VACUUM RESERVOIR		
	<ul style="list-style-type: none"> ● Disconnect hose between the check valve and speed control vacuum reservoir at check valve end. ● Install vacuum pump to open end of hose to speed control vacuum reservoir. ● Apply 60.6 kPa (18 in-Hg) vacuum to the speed control vacuum reservoir. ● Does speed control vacuum reservoir hold vacuum? 	Yes No	GO to E4. REPLACE speed control vacuum reservoir. REPEAT Quick Test.
E4	CHECK THE CHECK VALVE		
	<ul style="list-style-type: none"> ● Disconnect hose between check valve and speed control servo, at the speed control servo end. ● Apply 60.6 kPa (18 in-Hg) vacuum to open end of hose. ● Can vacuum be pumped to, and held at 60 kPa (18 in-Hg) vacuum? 	Yes No	REPLACE speed control servo. REPEAT Quick Test. REPLACE check valve. REPEAT Quick Test.
E5	DIAGNOSTIC TROUBLE CODE 454		
	<ul style="list-style-type: none"> ● REPEAT Engine Running Self-Test. Be sure that the speed control ON button is pressed before pressing the SUPER STAR II push button. 	Diagnostic Trouble Code 454 still present? No Diagnostic Trouble Code 454	REPLACE speed control servo. REPEAT Quick Test. Speed control servo leaks up test passed. SERVICE any other Diagnostic Trouble Code as necessary.

STOP-WARNING

You should enter this Pinpoint Test only when a Diagnostic Trouble Code 456 is received in the KOER Self-Test.

This Pinpoint Test is intended to diagnose only the following: