

ECO cruise

TROUBLE SHOOTING

REPlacement Parts available from 800-982-9920 (Kings) OR 612-922-6889

Cruise King LLC WWW. cruise controlking, com 507-334-0250

> VSCI 4844 Venture Dr. Ann Arbor, MI 48108 (313) 930-0500

ĕ

TEST DRIVE

BEFORE BEGINNING THE TEST DRIVE, MAKE SURE ALL MECHANICAL AND ELECTRICAL CONNECTIONS OF THE ECOCRUISE SYSTEM ARE CORRECT. ALSO MAKE SURE THE BRAKE LAMPS, ENGINE, AND TRANSMISSION ARE OPERATING PROPERLY.

DETERMINE IF THE CRUISE SWITCHES USED ARE ECO-CRUISE SWITCHES. IF THEY ARE THE WORDS ECO-CRUISE WILL BE ON THE SWITCH. IF THE SWITCHES ARE NOT ECO-CRUISE SWITCHES A MULTIMETER MIGHT HAVE TO BE USED TO DETERMINE WHEN THE CRUISE IS ACTIVATED. TO DO THIS PUT A GROUND LEAD TO PIN 25 AND A POSITIVE LEAD TO 18. NOW WHEN THE CRUISE IS SET THE METER SHOULD READ A VOLTAGE.

DRIVE THE VEHICLE UP TO 25 MPH AND MAINTAIN THAT SPEED.

DRIVE THE VEHICLE OF TO 25 WIFE AND MAINTAIN THAT DECEMBER		
	YES	NO
1. SET CRUISE AT 25 MPH DOES CRUISE LAMP COME ON?	GOTO 4	GOTO 2
2. RAISE VEHICLE SPEED GRADUALLY WHILE TRYING TO SET CRUISE. DOES LIGHT COME ON?	GOTO 3	GOTO 15
3. AT WHAT SPEED DOES CRUISE LIGHT COME ON? (if speed is to high adjust RV2)	GO1	70 4
4. DOES VEHICLE HOLD SET SPEED?	GOTO 5	GOTO 5
5. WILL VEHICLE ACCELERATE USING THE CRUISE ACCELERATE SWITCH?	GOTO 6	GOTO 15
6. IF THE VEHICLE DOES NOT HOLD SET SPEED BUT WILL ACCELERATE TRY AN RV2 ADJUSTMENT. IF NO IMPROVEMENT GO THROUGH SYSTEM DIAGNOSI	ıs.	
IF SYSTEM DOES HOLD SET AND ACCELERATE.	GOT	TO 7
7. DOES THE CANCEL/RESUME SWITCH OPERATE?	GOTO 8	GOTO 15
8. OPERATE BRAKES DOES SYSTEM DISENGAGE?	GOTO 9	GOTO 15
9. ONCE SPEED IS SET CAN A SLIGHT SURGE BE FELT?	GOTO 10	GOTO 14

YES NO

10. TURN RV2 CLOCKWISE ONE TURN IS SURGE ELIMINATED?

GOTO 14 GOTO 11

11. TURN RV2 CLOCKWISE ANOTHER TURN IS SURGE ELIMINATED?

GOTO 14 GOTO 12

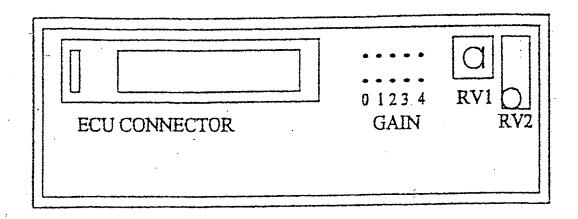
12 MOVE GAIN SETTING UP TO A HIGHER GAIN SETTING IS SURGE ELIMINATED?

GOTO 14 GOTO 13

13. MOVE GAIN SETTING UP TO A HIGHER GAIN SETTING IS SURGE ELIMINATED?

GOTO 14 GOTO 15

- 14. SYSTEM IS OPERATING NORMALLY.
- 15. RETURN TO SHOP FOR SYSTEM DIAGNOSIS.



NOTE THAT THE GAIN JUMPER IS SET AT THE NUMBER ONE POSITION FROM THE FACTORY AND SHOULD BE IN THIS POSITION WHEN BEGINING THE RV2 ADJUSTMENT. ALSO RV1 SHOULD BE IN THE FULLY CLOCKWISE POSITION AND REMAIN THERE.

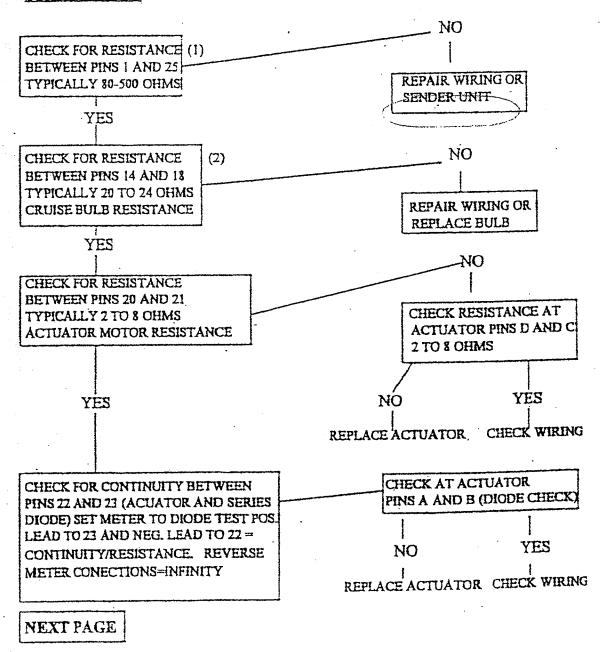
ADJUSTMENT OF RV2

- 1. TURN RV2 CLOCKWISE UNTIL A CLICK IS HEARD. (RV2 HAS 30 TURNS AND CANNOT BE STRIPPED)
- 2. TURN RV2 COUNTERCLOCKWISE, 5 TURNS.
- 3. TEST DRIVE VEHICLE AT 25 MPH TURN ON CRUISE SWITCH AND SET CRUISE.
- 4. IF LIGHT COMES ON GO TO STEP 5 IF NOT GO TO STEP 6.
- 5. TURN RV2 CLOCKWISE UNTIL LIGHT GOES OFF. (MAINTAIN 25 MPH)
- 6. TURN RV2 ONE TURN COUNTERCLOCKWISE AND SET CRUISE, DO THIS UNTIL CRUISE LIGHT COMES ON. (MAINTAIN 25 MPH)
- 7. AT THIS POINT RV2 IS ADJUSTED.

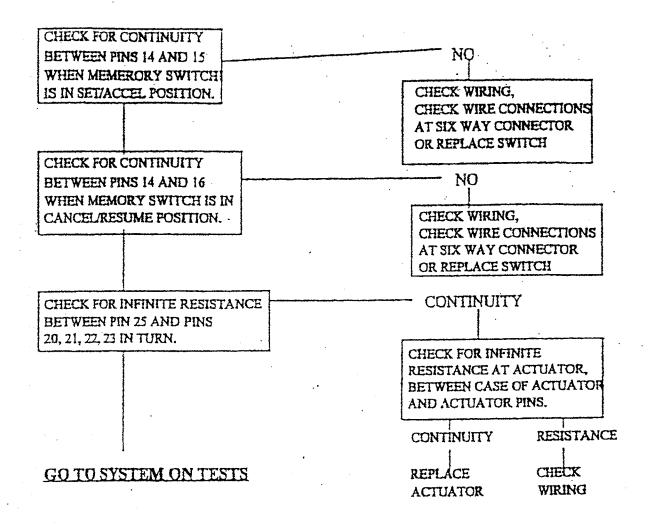
SHOP DIAGNOSIS DISCONNECT ECU WITH IGNITION OFF

BEFORE BEGINNING DO A VISUAL CHECK OF THE WHOLE SYSTEM. CHECK FOR DAMAGED CABLES, INCORRECT THROTTLE HOOKUPS, IMPPROPER CRIMP CONNECTIONS, OR ANY MECHANICAL TYPE OF DAMAGE.

START AT ECU

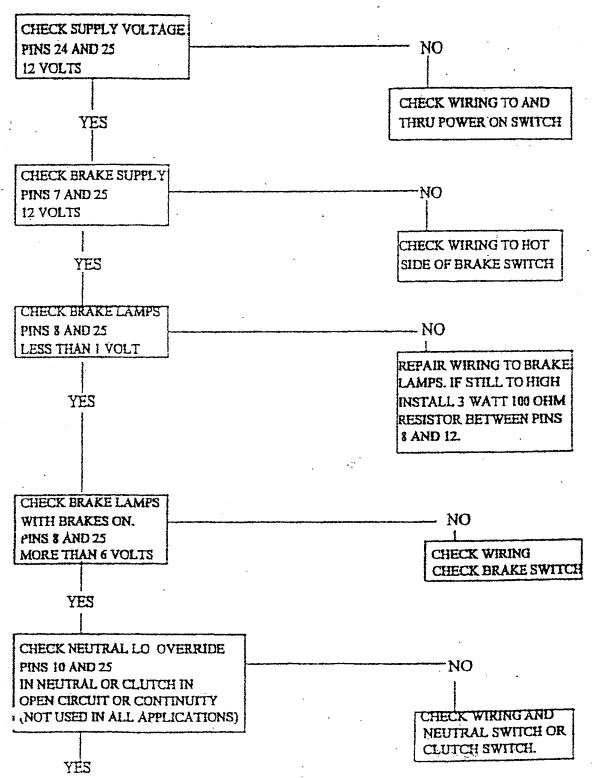


- (1) DOES NOT APPLY TO ALLISON ELECTRONIC TRANSMISSIONS
- (2) ONLY APPLIES TO ECO-cruise SWITCH ASSEMBLY

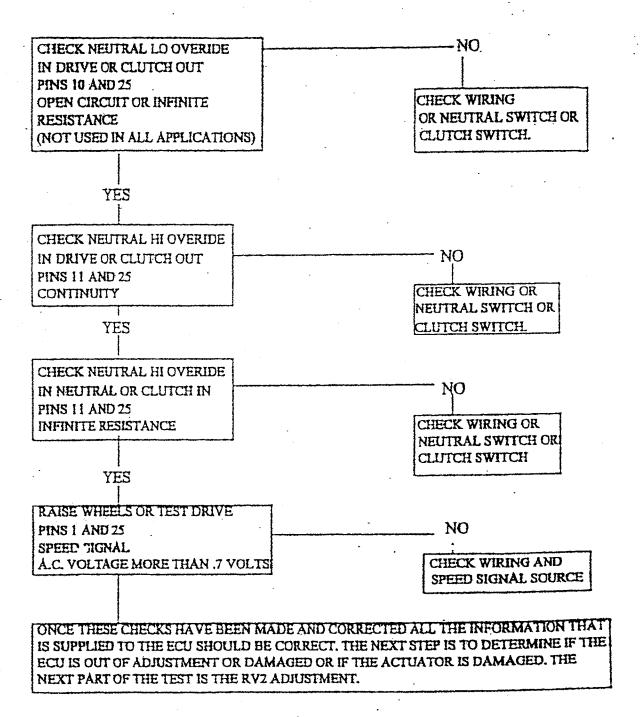


SYSTEM ON TESTS

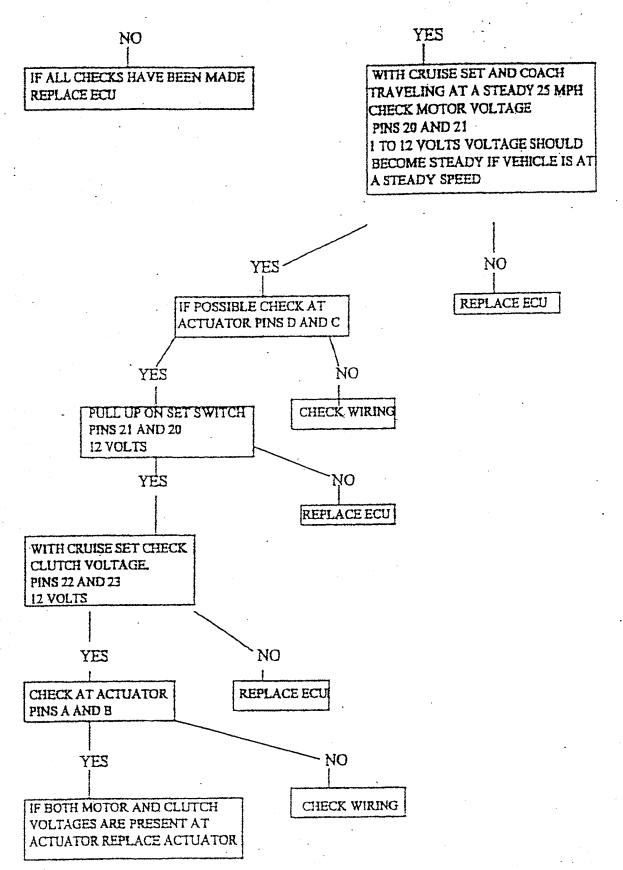
PLUG IN ECU, SWITCH IGNITION ON, AND SWITCH CRUISE ON

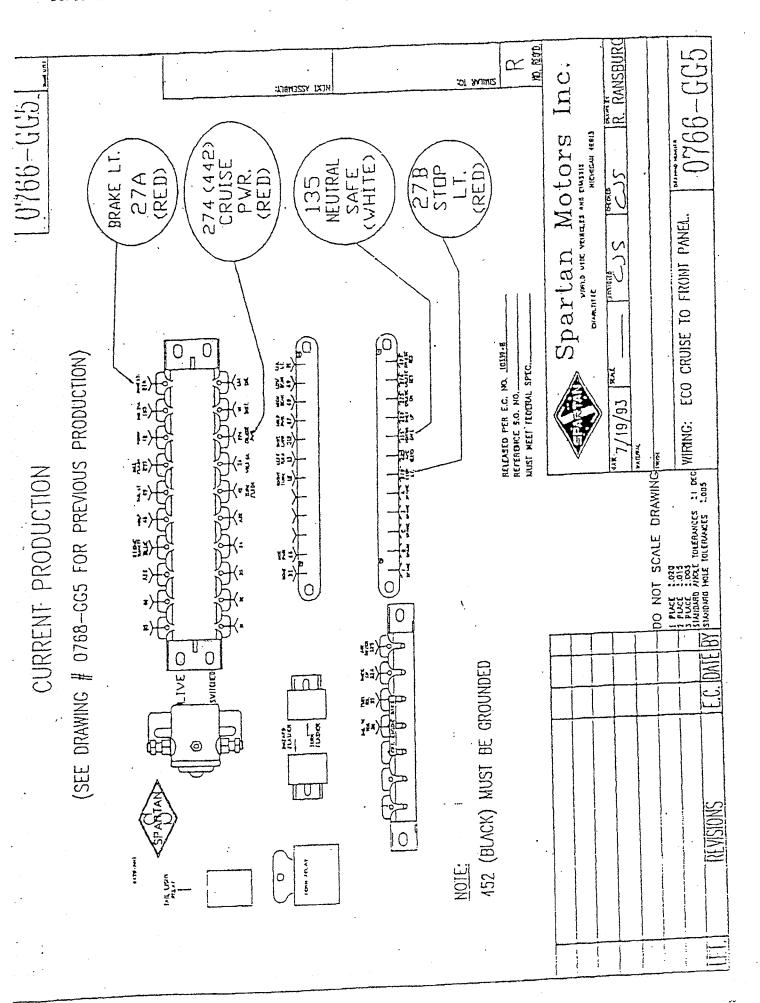


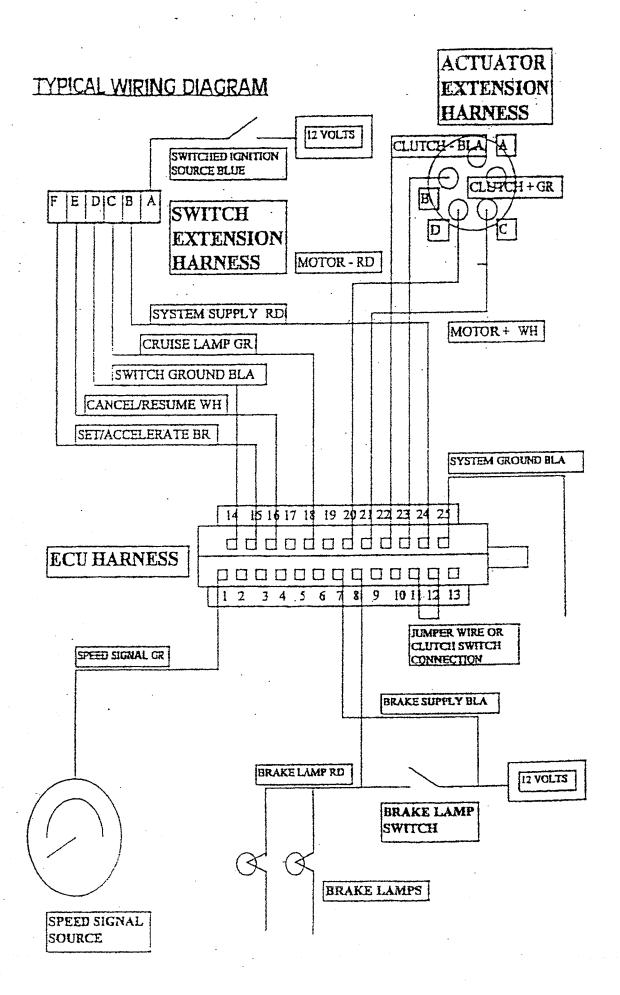
NOTICE NEUTRAL OVERRIDE WAS ONLY USED ON EARLY SPARTAN CHASSIS. IF THERE IS NOT A WIRE IN PIN 10 IT IS AN UPDATED CHASSIS. IF THERE IS A WIRE IN PIN 10 CUT IT BACK FROM THE ECU HARNESS AND TAPE THE WIRE TO THE ECU HARNESS. NOTE: NEUTRAL OVERRIDES ARE NOT NORMALLY USED ON AUTOMATIC TRANSMISSIONS. PINS 11 AND 12 SHOULD BE LINKED TOGETHER AND PIN 10 CAN BE LEFT UNUSED.

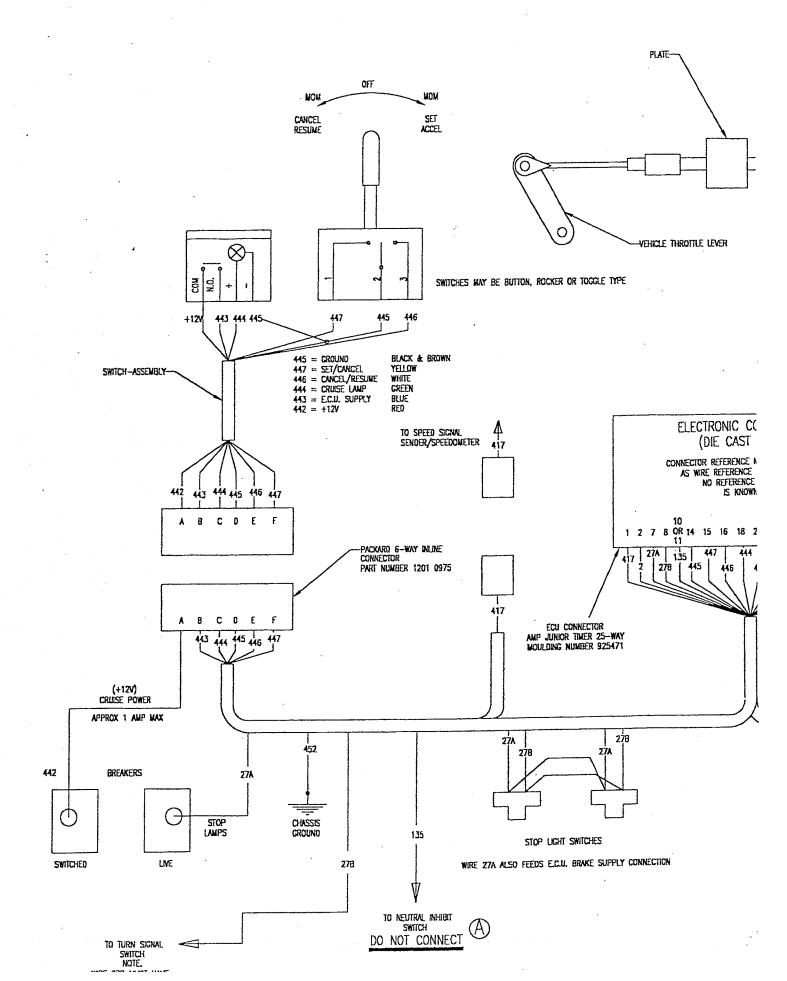


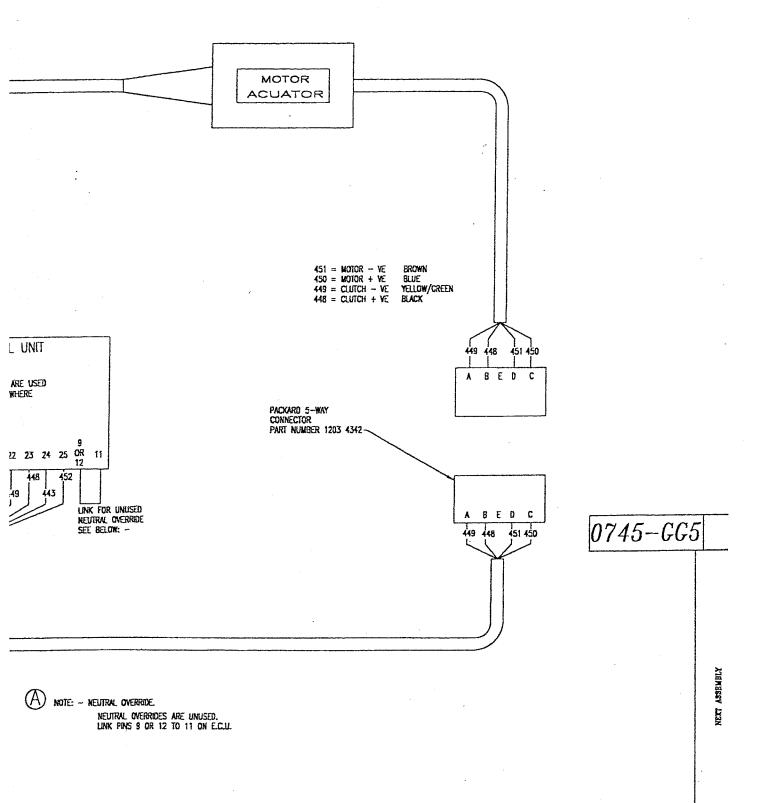
AFTER ADJUSTING RV2 DID LIGHT COME ON?











MUST MEET FEDERAL SPEC

()

RELEASED PER S.O. NO. ______REFERENCE S.O. NO. ____

10339

ይ

NO REO'D