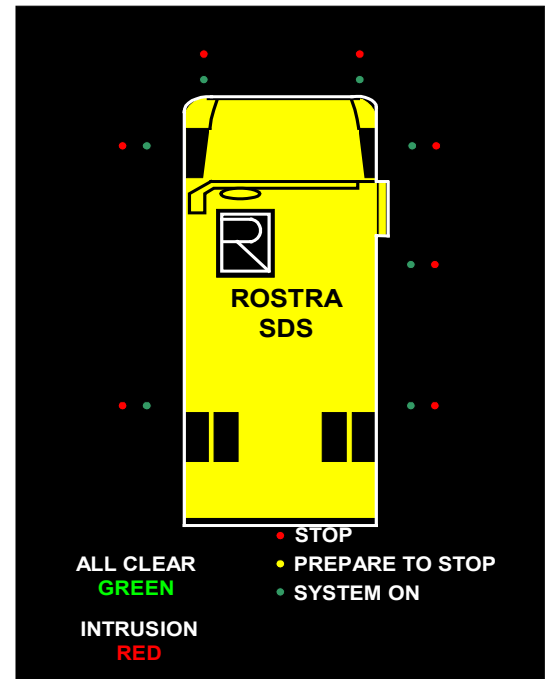


ROSTRA SDS DISPLAY DIAGNOSTIC CODE REFERENCE

•IF THE SDS™ EXPERIENCES A FAULT CONDITION, THE DRIVER DISPLAY WILL FLASH A NUMERICAL CODE VIA THE LEDs ASSOCIATED WITH THE DETECTION ZONE IN WHICH THE FAULT OCCURRED. THE ACTIVE FAULT CODES WILL BE COMMUNICATED THROUGH FLASHING LEDs ANY TIME IGNITION POWER IS APPLIED TO THE SDS DISPLAY. IN NORMAL OPERATION MODE, IF ANY OF THE FIVE DETECTION ZONES EXPERIENCE A FAULT CONDITION, BOTH LEDs FOR THAT ZONE WILL CONTINUE TO FLASH QUICKLY UNTIL THE IGNITION IS TURNED OFF. FOR EXAMPLE, IF THERE'S A PROBLEM WITH THE SENSOR MOUNTED TO THE FRONT RIGHT CORNER OF THE BUMPER, THEN THE RED AND GREEN LEDs NEXT TO THE FRONT RIGHT TIRE ON THE DISPLAY WOULD FLASH TOGETHER AT A RAPID CONTINUOUS RATE. THE LEDs WOULD CONTINUE TO FLASH FOR AS LONG AS THAT ZONE IS DISABLED. WHEN THE FAULT IS FIXED, THE LEDs WILL STOP FLASHING AND THAT ZONE IS AGAIN READY FOR NORMAL OPERATION.



•TO CHECK THE FAULT CODE, THE SYSTEM MUST BE PUT INTO DIAGNOSTIC MODE. TO DO THIS, TURN ON THE IGNITION. WITHIN THE FIRST 10 SECONDS AFTER TURNING ON THE IGNITION, PRESS AND HOLD THE BUTTON UNDER THE ROSTRA “R” LOGO FOR 3 SECONDS. THE SYSTEM WILL GO INTO ACTIVE DIAGNOSTIC CODE DISPLAY MODE. *IF EVERY LED (RED, GREEN, AMBER) ON THE DISPLAY FLASHES SIMULTANEOUSLY, THEN THERE IS A FAULT CONDITION WITH THE DISPLAY ITSELF AND IT MUST BE REPLACED.* IF THE REGISTERED FAULT IS ACTIVE, THE **RED** LED(S) FOR THE ZONE(S) WHERE THE FAULT OCCURRED WILL FLASH A NUMERICAL CODE. ALL ZONES WITHOUT FAULTS WILL HAVE THEIR **GREEN** LEDs LIT. IF THERE ARE NO ACTIVE FAULTS, I.E. ALL **GREEN** LEDs ARE LIT, PRESS AND RELEASE THE BUTTON ONCE MORE TO VIEW INACTIVE FAULTS. INACTIVE FAULTS ARE ACTIVE FAULTS THAT HAVE BEEN FIXED BUT NOT CLEARED FROM MEMORY. WHEREAS ACTIVE FAULTS ARE COMMUNICATED VIA FLASHING THE **RED** LEDs, INACTIVE FAULTS ARE COMMUNICATED BY FLASHING THE **GREEN** LEDs. IF THERE IS MORE THAN ONE FAULT CODE FOR A PARTICULAR ZONE, THE CODES WILL BE SEPARATED BY A 1- SECOND PAUSE. IF THERE ARE FAULT CODES IN OTHER ZONES, THERE WILL BE A 2-SECOND PAUSE BETWEEN ZONES. ONCE ALL ACTIVE OR INACTIVE CODES HAVE BEEN COMMUNICATED, THE SEQUENCE WILL REPEAT STARTING WITH THE FIRST ZONE. USE THE TABLE BELOW TO DECIPHER THE CODE AND ADDRESS THE PROBLEM. ONCE ALL FAULTS HAVE BEEN REMEDIED, PRESS AND HOLD THE BUTTON FOR 3 SECONDS. THEN PRESS AND RELEASE THE BUTTON ONCE MORE WHILE THE LEDs ON THE **LEFT** SIDE OF THE DISPLAY ARE LIT. FINALLY PRESS AND HOLD THE BUTTON FOR 3 SECONDS TO CLEAR ALL FAULT CODES. RECYCLE THE IGNITION TO RESET THE SYSTEM.

| NUMBER OF FLASHES | FAULT CONDITION | PROBLEM |
|-------------------|---------------------------|--|
| 1 | COMMUNICATIONS FAILURE | CHECK CONTROLLER HARNESSSES AND CONNECTIONS FOR BREAKS; PERFORM CONTINUITY CHECKS |
| 2 | INTERNAL FAILURE | REPLACE CONTROLLER |
| 3 | SENSOR POWER FAILURE | CHECK SYSTEM VOLTAGE; REPLACE CONTROLLER |
| 4 | SENSOR 1 No COMMUNICATION | CHECK SENSOR HARNESSSES AND CONNECTIONS FOR BREAKS; PERFORM CONTINUITY CHECKS |
| 5 | SENSOR 2 No COMMUNICATION | CHECK SENSOR HARNESSSES AND CONNECTIONS FOR BREAKS; PERFORM CONTINUITY CHECKS |