

BUS-WATCH®

TROUBLESHOOTING GUIDE		
PROBLEM	POSSIBLE CAUSE	CORRECTION
1 VCR DOES NOT TURN ON	<ul style="list-style-type: none"> • NO VCR POWER • NO GROUND • INSERT HIGH QUALITY VHS VIDEO TAPE 	<ul style="list-style-type: none"> • CONNECT GREEN WIRE TO +BATTERY • CONNECT BLACK WIRE TO VEHICLE GROUND
2 VCR WILL NOT RECORD WHEN BUS IS RUNNING	<ul style="list-style-type: none"> • NO VOLTAGE ON RED WIRE • VCR DOES NOT TURN ON • VCR IN AUTOMATIC RECORD MODE • NO TAPE IN VCR • RECORD TAB BROKEN ON TAPE 	<ul style="list-style-type: none"> • CONNECT RED WIRE TO SWITCHED SIDE OF IGNITION • SEE #1 • SET VCR TO MANUAL RECORD MODE • INSERT TAPE • REPLACE TAPE
3 VCR DOES NOT RESPOND TO USER COMMANDS	<ul style="list-style-type: none"> • VCR DOES NOT TURN ON • MICROCONTROLLER PROGRAM 	<ul style="list-style-type: none"> • SEE #1 • PRESS RESET SWITCH
4 VCR DOES NOT RECORD WHEN PROGRAMMED	<ul style="list-style-type: none"> • VCR DOES NOT TURN ON • TIMER ENABLE SET TO "N" • VCR IN MANUAL RECORD MODE • NO TAPE IN VCR • RECORD TAB BROKEN ON TAPE 	<ul style="list-style-type: none"> • SEE #1 • SET TIMER ENABLE TO "Y" • SET VCR TO AUTOMATIC RECORD MODE • INSERT TAPE • REPLACE TAPE
5 ON SCREEN VEHICLE OPTIONS DO NOT DISPLAY	<ul style="list-style-type: none"> • CHECK INSTALLATION OF CONNECTOR • CHECK ELECTRICAL CONNECTIONS 	<ul style="list-style-type: none"> • TURN CONNECTOR OVER IN POWER BOX • MEASURE ACTUATION VOLTAGE – REPAIR AS NEEDED

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6 VEHICLE SPEEDOMETER QUILTS WHEN BUS-WATCH® SPEEDO CIRCUITRY APPLIED	<ul style="list-style-type: none"> BUS-WATCH® SPEEDO CIRCUITRY LOADING THE VEHICLE COMPUTER SYSTEM 	<ul style="list-style-type: none"> INSTALL BUS-WATCH® SPEEDOMETER ATTENUATOR
7 BUS-WATCH® SPEEDO DISPLAY READS 3-10MPH WHEN VEHICLE IS IDLING	<ul style="list-style-type: none"> NOISE INDUCED ON THE SPEEDO PICKUP WIRE 	<ul style="list-style-type: none"> INSTALL BUS-WATCH® SPEEDOMETER ATTENUATOR
8 VCR STOPS RECORDING WHEN VEHICLE COMES TO A STOP OR IS IDLING	<ul style="list-style-type: none"> MEMORY WIRE (GREEN) VOLTAGE FALLS BELOW 9V 	<ul style="list-style-type: none"> CHECK VOLTAGE AT GREEN WIRE CONNECTION POINT WHILE THE VEHICLE IS IDLING GREEN WIRE NOT CONNECTED DIRECTLY TO +BATTERY
9 RECORDED AUDIO HAS HUM OR ALTERNATOR NOISE	<ul style="list-style-type: none"> CAMERA CABLE HAS BEEN PIERCED CREATING A GROUND LOOP 	<ul style="list-style-type: none"> REPAIR CAMERA CABLE INSTALLATION
10 NO VIDEO	<ul style="list-style-type: none"> VCR DOES NOT TURN ON NO POWER APPLIED TO CAMERA 	<ul style="list-style-type: none"> SEE #1 CHECK CAMERA CABLE CONNECTIONS
11 NO VIDEO – ONLY ON SCREEN INFORMATION	<ul style="list-style-type: none"> CAMERA IRIS IS CLOSED CAMERA IS OUT OF FOCUS 	<ul style="list-style-type: none"> RESET CAMERA IRIS REFOCUS CAMERA
12 POOR PICTURE OR AUDIO QUALITY ON PLAYBACK	<ul style="list-style-type: none"> DIRTY VCR RECORD HEADS 	<ul style="list-style-type: none"> SERVICE VCR