

**EQUIPMENT TEST LIST**

**TE, TJ, TL, AND TM MICROWAVE RADIO**

**SEE SECTION 010-300-011 FOR EQUIPMENT TEST LIST INSTRUCTIONS**

## EQUIPMENT TEST LIST

B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
409			TE, TJ, TL, AND TM MICROWAVE RADIO			
409-1			TE MICROWAVE RADIO			
409-100			Overall System			
409-100-500	3		TESTS			
409-2			TJ OR TJ/TM-1 MICROWAVE RADIO			
409-200			TJ Microwave Radio			
			<i>Note: Refer to 409-200-500 for Sequence of Performance With Concurrent Tests in Other Practices.</i>			
			GENERAL TESTS			
409-200-502	5		T-R BAY—POWER SUPPLY TESTS AND VOLTAGE CHECKS			
		1	<i>Transmitter-Receiver Bay Voltage Checks</i>	MW	3M	
		4	<i>Meter Panel Test Meter Check</i>	MW	12M	
409-200-503	3		AUXILIARY BAY—POWER SUPPLY TESTS AND VOLTAGE CHECKS			
		A	<i>Voltage Checks</i>	MW	3M	
		B	<i>Filament Activity Tests</i>	MW	3M	
409-210			TJ Transmitter Tests			
			<i>Note: Frequency Column Applies to Lightly Loaded Systems.</i>			
409-210-501	4		FREQUENCY AND POWER OUTPUT	MW	3M	
409-210-503	4		LINEARITY	MW	12M	
409-220			TJ Receiver Tests			
			<i>Note: Frequency Column Applies to Lightly Loaded Systems.</i>			
409-220-501	4		RF-TO-IF TESTS			
ADDENDUM	1		<i>Receiver Automatic Frequency Control Checks</i>	MW	3M	
			<i>IF Power Output and Automatic Gain Control Checks</i>	MW	12M	
409-220-502 & ADDENDUM	4 1		BASEBAND AMPLIFIER POWER OUTPUT, FREQUENCY RESPONSE, NOISE QUIETING, AND SQUELCH ADJMT			
		A	<i>Receiver Baseband Amplifier Power Output</i>	MW	12M	
		C	<i>Noise Quieting</i>	MW	12M	
		D	<i>Squelch Unit Tests and Adjustments</i>	MW	3M	
409-220-503	3		LINEARITY	MW	12M	

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
409-220-506	3		NOISE FIGURE MEASUREMENTS—HEAVY LOADING	MW	3M	
409-240			TJ Systems Tests—Light Loading			
			<i>Note: Refer to 409-200-500 for Sequence</i>			
			<i>of Performance With Concurrent Tests in</i>			
			<i>Other Practices.</i>			
409-240-502	2		RECEIVED SIGNAL LEVEL	MW	3M	
ADDENDUM	1					
409-240-503	3		TRANSMITTER DEVIATION	MW	12M	
409-240-504	2		RECEIVER GAIN	MW	12M	
409-240-505	3		NET LOSS MEASUREMENTS	MW	3M	
409-240-506	4		TELEPHONE WITH DIVERSITY—COMPARATOR TESTS	MW	3M	
409-240-507	4		SIGNALING AND PILOT TONE LEVELS	MW	3M	
409-240-508	2		PILOT MONITOR TESTS AND ADJUSTMENTS	MW	12M	
409-241			TJ/TM-1 Systems Tests—Heavy Loading			
			<i>Note: Refer to 409-241-501 for Sequence</i>			
			<i>of Performance With Concurrent Tests in</i>			
			<i>Other Practices.</i>			
409-241-502	3		RECEIVED SIGNAL LEVEL			
		A	<i>TJ Received Signal Level Measurements</i>	MW	3M	
		D	<i>TM-1 Received Signal Level Measurements</i>	MW	3M	
409-241-503	2		TRANSMITTER-RECEIVER LINK DEVIATION	MW	3M	
ADDENDUM	1					
409-241-504	1		TRANSMITTER-RECEIVER—LINK	MW	3M	
& ADDENDUM	1		LINEARITY TESTS			
409-241-505	2		NET LOSS MEASUREMENTS	MW	3M	
409-241-506	2		COMPARATOR TESTS AND ADJUSTMENTS	MW	3M	
409-241-507	2		SIGNALING AND PILOT TONE LEVELS	MW	3M	
409-241-508	2		PILOT MONITOR TESTS AND ADJUSTMENTS	MW	3M	
409-242			TJ Microwave Radio Systems Tests—Heavy Loading			
			<i>Note: Refer to 409-200-500 for Sequence</i>			
			<i>of Performance With Concurrent Tests in</i>			
			<i>Other Practices.</i>			
409-242-502	1		RECEIVED SIGNAL LEVEL, IF, AND SQUELCH TESTS			
		A	<i>Received Signal Level and Squelch</i>	MW	3M	
		B	<i>IF Power Output and AGC</i>	MW	12M	
409-242-503	1		TRANSMITTER-RECEIVER LINK DEVIATION			
ADDENDUM	1					

EQUIPMENT TEST LIST						
B.S.P.	ISS	TEST OR REQ.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
409-242-503	1		(Cont)			
		A	<i>Transmitter and Receiver Frequency and AFC</i>	MW	6M	
		B	<i>Transmitter and Receiver Deviation</i>	MW	12M	
		C	<i>Receiver Output</i>	MW	12M	
409-242-504	2		TRANSMITTER-RECEIVER—LINK LINEARITY TESTS	MW	12M	
409-242-505	1		NET LOSS MEASUREMENTS	MW	3M	
409-242-506	2		COMPARATOR TESTS	MW	3M	
409-242-507	1		SIGNALING AND PILOT TONE LEVELS	MW	3M	
409-242-508	1		PILOT MONITOR TESTS AND ADJUSTMENTS	MW	6M	
409-3			TL-1 MICROWAVE RADIO			
409-302			General Information			
409-302-501	3		TRANSMITTER-RECEIVER BAY—CHECKS AND TROUBLE LOCATION			
		A	<i>Checks and Routines</i>	MW	3M	
409-303			System Tests			
409-303-501	1		TRANSMISSION MEASUREMENTS			
			<i>Routine Measurement of Looped Pilot</i>	MW	M	
			<i>Transmitter at Alarm Center</i>			
409-304			Transmitter Tests			
409-304-501	2		FREQUENCY AND LINEARITY	MW	12M	
409-304-502	1		DEVIATION	MW	12M	
409-304-503	1		BASEBAND AMPLIFIER			
		a	<i>Bias Check</i>	MW	3M	
409-305			Transmitter-Receiver Equipment Tests			
409-305-500	1		COMPONENT AND SUBASSEMBLY REPLACEMENT			
		3	<i>Level Check of Liquid in Vapor-Phase Cooler</i>	MW	12M	
409-306			Receiver Tests			
409-306-502	2		AFC ALIGNMENT AND IN-SERVICE CHECKS	MW	3M	
409-306-504	2		SQUELCH CIRCUIT ALIGNMENT	MW	3M	
409-308			Power Supply Tests			
409-308-501	2		VOLTAGE CHECKS	MW	3M	
409-310			Order-Wire and Alarm Tests			
			<i>Note: Refer to 409-241-501 for Order in Which Tests Should be Performed.</i>			
409-310-501	1		ALARM CIRCUIT CHECKS	MW	3M	
409-310-502	1		LEVEL AND FREQUENCY ADJUSTMENTS	MW	3M	
409-310-503	1		ENCODER	MW	3M	

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
409-312			Diversity Switch Tests			
			<i>Note: Refer to 409-241-501</i>			
			<i>for Order in Which Tests Should be Performed.</i>			
409-312-501	2		PERFORMANCE CHECKS, ALIGNMENT, AND UNIT REPLACEMENT			
		a	<i>Diversity Switch Performance Checks</i>	MW	3M	
409-4			TL-2 AND TM-1 MICROWAVE RADIO			
			<i>Note: Refer to 409-402-500 for Order in Which Tests Should be Performed.</i>			
409-402			General Maintenance Tests			
409-402-502	4		TRANSMITTER-RECEIVER BAY—CHECKS AND TROUBLE LOCATION			
		1	<i>Preliminary Tests</i>	MW	3M	
409-402-503	5		BUILDING AND HOUSING EQUIPMENT			
		2	<i>Ventilation</i>	MW	6M	
		3	<i>Fan Maintenance</i>	MW	12M	
		5	<i>Dry Air Pressure in Antenna System</i>	MW	12M	
409-402-504	2		TM-A1 POWER AMPLIFIER	MW	3M	
409-403			System Tests			
409-403-501	3		MESSAGE TRANSMISSION			
		2	<i>Observation of 2600-Hz Pilot</i>	MW	M	
409-404			Transmitter Tests			
409-404-501	3		FREQUENCY AND LINEARITY			
		1	<i>In-Service Frequency Check</i>	MW	3M	
		2	<i>Transmitter Frequency and Linearity Adjustment (Lightly Loaded Systems)</i>	MW	12M	
		3	<i>Transmitter Frequency and Linearity Adjustment (Heavily Loaded Systems)</i>	MW	6M	
409-404-502	3		DEVIATION			
			<i>Lightly Loaded Systems</i>	MW	12M	
			<i>Heavily Loaded Systems</i>	MW	6M	
409-404-503	3		BASEBAND AMPLIFIER			
ADDENDUM	1					
		a	<i>Bias Check</i>	MW	3M	
409-404-504	3		COMPONENT AND SUBASSEMBLY REPLACEMENT			
		5	<i>Level Check of Liquid in Vapor-Phase Cooling System</i>	MW	3M	

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
409-406			Receiver Tests			
409-406-502	3		AFC ALIGNMENT AND IN-SERVICE CHECKS			
			<i>Receiver Routine AFC Alignment Check</i>	MW	3M	
409-406-504	4		SQUELCH SENSITIVITY	MW	3M	
409-408			Power Supply Tests			
409-408-501	3		REGULATOR, INVERTER, AND RECTIFIER			
		1	<i>Voltage Checks</i>	MW	3M	
		4	<i>DC Regulator Control Gain Tests— Dedicated Battery Charger</i>	MW	12M	
		5	<i>DC Regulator Control Gain Tests— Common Office Battery Charger</i>	MW	12M	
409-408-505	2		TM-A1 POWER SUPPLY	MW	3M	
409-410			Order-Wire and Alarm Tests			
409-410-501	3		ALARM CIRCUIT CHECKS	MW	12M	
409-410-502	1		LEVEL AND FREQUENCY ADJUSTMENTS	MW	3M	
409-410-503	3		ENCODER	MW	12M	
409-410-504	3		TRANSMITTER ALARM INITIATOR	MW	12M	
409-412			Diversity Switch Tests			
409-412-501	4		DIVERSITY SWITCH TESTS, ALIGNMENT, AND UNIT REPLACEMENT			
		1	<i>Performance Checks</i>	MW	3M	
409-412-502	1		HOT STANDBY TRANSMITTER SWITCH CONTROL PANEL— TESTS, ALIGNMENT, AND SUBASSEMBLY REPLACEMENT			
		1	<i>Performance Checks</i>	MW	3M	
409-5			TM-2 MICROWAVE RADIO			
409-502			General Maintenance Tests			
409-502-502	2		TRANSMITTER-RECEIVER PANEL— CHECKS AND TROUBLE LOCATION			
		1	<i>Preliminary Tests</i>	MW	3M	
409-503			System Tests			
409-503-501	1		MESSAGE TRANSMISSION			
		2A	<i>Observation of 2600-Hz Pilot</i>	MW	M	
409-504			Transmitter Tests			
409-504-501	1		LOCAL OSCILLATOR			
		1	<i>Oscillator Frequency and Power Alignment</i>	MW	6M	
409-504-502	3		FM TRANSMITTER MODULATOR AND MICROWAVE AMPLIFIER			

EQUIPMENT TEST LIST						
B.S.P.	ISS	TEST OR REQ.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
409-504-502	3		(Cont)			
		1	In-Service Checks	MW	3M	
		2	Transmitter Modulator—Deviator Power and	MW	12M	
			Frequency Alignment			
		3	Transmitter Routine Maintenance	MW	12M	
			Out-of-Service Checks			
409-506			Receiver Tests			
409-506-501	2		LOCAL OSCILLATOR			
		1	Oscillator Frequency and Power Alignment	MW	6M	
409-506-503	2		IF AMPLIFIER AND FM RECEIVER	MW	6M	
409-508			Power Supply Tests			
409-508-501	2		91A POWER UNIT AND -19 VOLT REGULATOR			
		1	-19 Volt Regulator Checks and Adjustments	MW	3M	
409-512			Hot Standby Switch Tests			
409-512-501	1		RECEIVER HOT STANDBY SWITCH—			
			TESTS, ALIGNMENT, AND SUBASSEMBLY REPLACEMENT			
		1	Performance Checks—Routine	MW	3M	
409-512-502	1		HOT STANDBY TRANSMITTER SWITCH CONTROL PANEL—			
			TESTS, ALIGNMENT, AND SUBASSEMBLY REPLACEMENT			
		1	Performance Checks—Routine	MW	3M	
409-6			ANCILLARY EQUIPMENT			
409-600-503	1		RADIO AND COMMON ALARMS	#		
			#Checks to be performed per 2.01.			
409-600-506	1		EQPT TESTS—ORDER-WIRE AND ALM MULTIPLEX			
		1	Routine Maintenance	MW	3M	
409			TE, TJ, TL, AND TM MICROWAVE RADIO			
409-2			TJ OR TJ/TM-1 MICROWAVE RADIO			
409-200			TJ Microwave Radio			
409-200-502	5		T-R BAY—POWER SUPPLY TESTS AND			
			VOLTAGE CHECKS			
		2	Filament Activity Tests	TT		
		3	Power Supply—Trouble Checks	TT		
		5	Power Supply Ripple Voltage Checks.	TT		
409-200-504	2		WAVEGUIDE COMPONENT LOSSES	TT		
409-201			TJ/TM-1 Microwave Radio			
409-201-503	2		AUXILIARY BAY—POWER SUPPLY TESTS AND	TT		
			VOLTAGE CHECKS			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
409-210			TJ Transmitter Tests			
409-210-501	4		FREQUENCY AND POWER OUTPUT	TT		
409-210-502	2		DEVIATION	TT		
409-210-503	4		LINEARITY	TT		
409-210-504	3		BASEBAND AMPLIFIER RESPONSE	TT		
409-210-505	3		COMPONENT REPLACEMENT	TT		
ADDENDUM	1					
409-220			TJ Receiver Tests			
409-220-501	4		RF-TO-IF TESTS			
ADDENDUM	1					
			<i>Receiver Automatic Frequency Control Checks</i>	TT		
			<i>IF Power Output and Automatic Gain Control</i>	TT		
			<i>Checks</i>			
			<i>IF Bandpass Measurement</i>	TT		
409-220-502	4		BASEBAND AMPLIFIER POWER OUTPUT, FREQUENCY	TT		
& ADDENDUM	1		RESPONSE, NOISE QUIETING, AND SQUELCH ADJMT			
409-220-503	3		LINEARITY	TT		
409-220-504	3		1A MODULATOR OR J99296AA LIST 3 AND 4			
			MODLTR PREAMP			
		1	<i>Input Impedance Tests</i>	TT		
		2	<i>Trmsn Symmetry—1A Modltr and 401A Tuner</i>	TT		
		3	<i>Trmsn Symmetry—1A Modltr and 9A Isolator</i>	TT		
		4	<i>Trmsn Symmetry—J99296AA L3 and 4 Modltr Preamp</i>	TT		
409-220-505	4		COMPONENT REPLACEMENT	TT		
409-220-506	3		NOISE FIGURE MEASUREMENTS—HEAVY LOADING	TT		
409-220-507	1		IF UNIT IMPEDANCE MATCHING	TT		
409-230			TJ Auxiliary Bay Tests			
409-230-501	2		DIVERSITY SWITCH AND TRANSMISSION UNIT	TT		
409-231			TJ/TM-1 Auxiliary Bay			
409-231-501	1		DIVERSITY SWITCH AND TRANSMISSION UNIT	TT		
409-241			TJ/TM-1 Systems Tests—Heavy Loading			
409-241-502	3		RECEIVED SIGNAL LEVEL			
		B	<i>TJ Monitoring Received Signal Level to</i>	TT		
			<i>Check Antenna Alignment</i>			
409-241-509	2		NOISE-LOADING MEASUREMENTS	TT		
409-242			TJ Microwave Radio Systems Tests—			
			Heavy Loading			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
409-242-509	2		TJ NOISE-LOADING MEASUREMENTS—	TT		
			SYSTEM TESTS			
409-3			TL-1 MICROWAVE RADIO			
409-302			General Information			
409-302-501	3		TRANSMITTER-RECEIVER BAY—CHECKS AND			
			TROUBLE LOCATION			
		<i>B</i>	<i>Trouble Location</i>	TT		
409-303			System Tests			
409-303-501	1		TRANSMISSION MEASUREMENT			
			<i>Trouble Location</i>	TT		
409-303-502	1		IDLE NOISE	TT		
409-303-503	1		600-CKT NOISE-LOADING TESTS FOR MESSAGE SYSTEMS	TT		
409-303-504	1		ENVELOPE DELAY AND LINEARITY TESTS	TT		
409-304			Transmitter Tests			
409-304-503	1		BASEBAND AMPLIFIER			
		<i>b</i>	<i>Check of Frequency Characteristic</i>	TT		
		<i>c</i>	<i>Output Capability of Amplifier</i>	TT		
		<i>d</i>	<i>Checks Required Following Amplifier Replacement</i>	TT		
409-304-504	3		COMPONENT AND SUBASSEMBLY REPLACEMENT	TT		
ADDENDUM	1					
409-306			Receiver Tests			
409-306-501	2		RECEIVER BASEBAND AMPLIFIER GAIN ADJUSTMENT	TT		
409-306-503	2		RECEIVED SIGNAL LEVEL	TT		
409-306-505	2		MISCELLANEOUS OUT-OF-SERVICE CHECKS	TT		
409-306-506	3		COMPONENT AND SUBASSEMBLY REPLACEMENT	TT		
409-308			Power Supply Tests			
409-308-502	1		COMPONENT AND SUBASSEMBLY REPLACEMENT	TT		
409-4			TL-2 AND TM-1 MICROWAVE RADIO			
409-402			General Maintenance Tests			
409-402-501	3		REMOVING AND RESTORING SERVICE	TT		
409-402-502	4		TRANSMITTER-RECEIVER BAY—CHECKS AND			
			TROUBLE LOCATION			
		<i>2</i>	<i>Trouble Location</i>	TT		
409-402-503	5		BUILDING AND HOUSING EQUIPMENT			
		<i>4</i>	<i>Lightning Protector Replacement</i>	TT		
409-403			System Tests			
409-403-501	3		MESSAGE TRANSMISSION			

EQUIPMENT TEST LIST						
B.S.P.	ISS	TEST OR REQ.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
409-403-501	3		(Cont)			
		2	<i>Trouble Location</i>	TT		
409-403-502	2		TELEVISION TRMSN—SYS EQUIPPED WITH	TT		
			J99296AC, AE, AND AH VIDEO PANELS			
409-403-503	1		TELEVISION TRMSN—SYS EQUIPPED WITH	TT		
			J99296AJ AND AK VIDEO PANELS			
409-403-504	2		IDLE NOISE	TT		
409-403-505	1		600-CKT NOISE-LOADING TESTS FOR MESSAGE SYSTEMS	TT		
409-403-506	1		ENVELOPE DELAY AND LINEARITY	TT		
409-403-507	1		1200-CKT NOISE-LOADING TESTS FOR MESSAGE SYSTEMS	TT		
ADDENDUM						
409-404			Transmitter Tests			
409-404-503	3		BASEBAND AMPLIFIER			
ADDENDUM	1					
		b	<i>Check of Frequency Characteristic</i>	TT		
		c	<i>Output Capability of Amplifier</i>	TT		
		d	<i>Checks Required Following Amplifier Replacement</i>	TT		
409-404-505	2		POWER OUTPUT	TT		
409-404-506	1		TM-B1 POWER AMPLIFIER—TUNEUP AND REPLACEMENT	TT		
ADDENDUM	1					
409-404-507	2		TL-A2 POWER AMPLIFIER—TUNEUP AND REPLACEMENT	TT		
409-406			Receiver Tests			
409-406-501	2		BASEBAND AMPLIFIER GAIN ADJUSTMENT	TT		
409-406-503	4		RECEIVED SIGNAL LEVEL	TT		
409-406-505	5		MISCELLANEOUS OUT-OF-SERVICE CHECKS	TT		
409-408			Power Supply Tests			
409-408-501	3		REGULATOR, INVERTER, AND RECTIFIER			
		2	<i>Inverter-Rectifier Alignment</i>	TT		
		3	<i>Regulator Alignment</i>	TT		
		d	<i>DC Regulator Control Gain Tests</i>	TT		
409-412			Diversity Switch Tests			
409-412-501	4		DIVERSITY SWITCH TESTS, ALIGNMENT, AND			
			UNIT REPLACEMENT			
		2	<i>Alignment Procedures</i>	TT		
		3	<i>Subassembly Replacement Procedures</i>	TT		
409-412-502	1		HOT STANDBY TRANSMITTER SWITCH CONTROL PANEL—			
			TESTS, ALIGNMENT, AND SUBASSEMBLY REPLACEMENT			

EQUIPMENT TEST LIST						
B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
409-412-502	1		(Cont)			
		2	<i>Alignment Procedures</i>	TT		
		3	<i>Subassembly Replacement Procedures</i>	TT		
409-5			TM-2 MICROWAVE RADIO			
409-502			General Maintenance Tests			
409-502-501	3		REMOVING AND RESTORING SERVICE	TT		
409-502-502	2		TRANSMITTER-RECEIVER PANEL—			
			CHECKS AND TROUBLE LOCATION			
		2	<i>Trouble Location</i>	TT		
409-503			System Tests			
409-503-501	1		MESSAGE TRANSMISSION			
		2B	<i>Trouble Location</i>	TT		
409-503-502	1		TELEVISION TRANSMISSION	TT		
409-503-503	1		IDLE NOISE	TT		
409-503-504	1		1200-CKT NOISE-LOADING TESTS FOR	TT		
ADDENDUM	1		MESSAGE SYSTEMS			
409-503-505			ENVELOPE DELAY AND LINEARITY	TT		
409-504			Transmitter Tests			
409-504-502	3		FM TRANSMITTER MODULATOR AND			
			MICROWAVE AMPLIFIER			
		2	<i>Trmtr Modltr—Deviation Pwr and Freq Alignment</i>	TT		
		5	<i>Trmtr Modltr—RF Tune Alignment and</i>	TT		
			<i>Microwave Amplr—Pwr and Freq</i>			
		6	<i>Diode Replacement</i>	TT		
409-504-503	2		COMPONENT AND SUBASSEMBLY REPLACEMENT	TT		
ADDENDUM	1					
409-506			Receiver Tests			
409-506-502	2		RECEIVED SIGNAL POWER	TT		
409-506-504	2		COMPONENT AND SUBASSEMBLY REPLACEMENT	TT		
409-508			Power Supply Tests			
409-508-501	2		91A POWER UNIT AND -19 VOLT REGULATOR			
			91A Power Unit Checks and Adjustment			
		2	<i>Receiver Local Oscillator</i>	TT		
		3	<i>Transmitter Local Oscillator</i>	TT		
		4	<i>Transmitter Amplifier</i>	TT		
409-508-502	2		COMPONENT AND SUBASSEMBLY REPLACEMENT	TT		
409-512			Hot Standby Switch Tests			

