AK 550 Wiring Diagram

FUSE A:ABS MOTOR
FUSE B:METER(BAT.), ABS ECU, ECU(BAT.), TPM CONTROLLER(BAT.), KEYLESS CONTROLLER(BAT.), LUGGAGE BOX LIGHT, ECU(VBR), SEAT OPEN MOTOR
FUSE C:MAIN RELAY
FUSE D:HEAD LIGHT, POSITION LIGHT, WINKER LIGHT, TAIL LIGHT, LICENCE LIGHT, PASSING, HORN
FUSE E:HEATED GRIP, USB CHARGE, SEAT OPEN SW LED
FUSE F:ABS IGN
FUSE G:FAN

HEATED GRIP, LEFT
HEATED GRIP, RIGHT
HEATED GRIP CONTROLLER
SEAT OPEN MOTOR
FR STOP SW
SW ASS'Y, RH, HANDLE COMP.
RH FR WINKER 12V 2W
FR SPEED SENSOR
FAN MOTOR
EMI FILTER
FUSE ASS'Y
COMB SW
ABS ECU
RR SPEED SENSOR
DIAGNOSTIC TOOL
KEYLESS & SEAT OPEN CONTROLLER
O2
LUGGAGE BOX LIGHT LED
SEAT OPEN RELAY
LUGGAGE BOX LIGHT SW
STEP MOTOR +SC
AIR CLEANER
TMAP
TPS
PUMP RELAY
SENSOR, ANGLE DETECT
HAZARD
TPM
SIDE STAND SW
START MAG
30A
12V 14AH BATTERY
STARTER MOTOR

PCB
TEMP METER
SPEED METER
TACHO METER
FUEL METER
CLOCK & ODO & TRIP METER (LCD)
HIGH BEAM LED-BLUE
FUEL-EMPTY LED-AMBER
TURN R LED-GREEN
TURN L LED-GREEN
BREAK LOCK LED-RED
OIL PILOT LED-RED
ABS LED-RED
TPMS LED-RED
SERVICE LED-AMBER
ENG CHECK LED-AMBER
IGN(+)
GND(PCB)
GND(TEMP)
TEMP
SPEED
TPM_RX
HEATED_GRIP_LAMP
FUEL
BAT(+)
CAN(+)
CAN(-)
TPM_TX
HIGH BEAM
TURN R
TURN L
OFF_IDLE_SIGNAL
OIL PILOT
ABS
FUEL
MODE_SW
FUNC._SW
RESET_SW
SUNRAY
ENG CHECK
BREAK LOCK
METER
BRAKE SW

FR POSITION 12V LED
HEAD LIGHT(LED) 12V 6W/12W
WINKER RELAY
RR STOP SW
SW ASS'Y, LH, HANDLE COMP.
LH RR WINKER 12V 2W
OIL PRESSURE SW
IGN. COIL #1
IGN. COIL #2
SPARK PLUG
REG RECT ASSY
ACG
PULSER
EFI ECU 48P
FUEL INJ #2 RR
FUEL INJ #1 FR
FUEL PUMP
FUEL UNIT
TMAP
MANIFOLD
ENG TEMP
THERMO UNIT (ECU)
FAN RELAY
MAIN RELAY
RH RR WINKER 12V 10W
TAIL/STOP LIGHT(LED)
LH RR WINKER 12V 10W
LICENCE LIGHT 12V 5W
USB CHARGE
(ABS MOTOR GND)
(IGN GND)
(FUEL PUMP GND)
(ECU GND)
(WATER TEMP GND)
(ABS ECU GND)

SW ASS'Y, LH, HANDLE COMP.

MODE		
FREE		
PUSH		
CORD SIZE	AVSS0.5f	AVSS0.5f
CORD COLOR	G/P	G

HEATING		
FREE		
PUSH		
CORD SIZE	AVSS0.5f	AVSS0.5f
CORD COLOR	Y/L	G

WINKER			
(N)			
CORD SIZE	AVSS0.5f	AVSS0.5f	AVSS0.5f
CORD COLOR	GR	O	SB

PASSING		
FREE		
PUSH		
CORD SIZE	AVSS0.75f	AVSS0.75f
CORD COLOR	BR/L	L

HORN		
FREE		
CORD SIZE	AVSS0.75f	AVSS0.75f
CORD COLOR	BR/L	L

DIMMER			
CORD SIZE	AVSS0.75f	AVSS0.75f	AVSS0.75f
CORD COLOR	L	W	L/W

SW ASS'Y, RH, HANDLE COMP.

START		
FREE		
CORD SIZE	AVSS0.5f	AVSS0.5f
CORD COLOR	Y/R	G1

HAZARD		
FREE		
CORD SIZE	AVSS0.75f	AVSS0.75f
CORD COLOR	B/L	Y/B

KILLER		
FREE		
CORD SIZE	AVSS0.75f	AVSS0.75f
CORD COLOR	B/W	B/G

NOODOE		
FREE		
CORD SIZE	AVSS0.5f	AVSS0.5f
CORD COLOR	O/BR	G2

DOWN		
FREE		
CORD SIZE	AVSS0.5f	AVSS0.5f
CORD COLOR	G/V	G2

UP		
FREE		
CORD SIZE	AVSS0.5f	AVSS0.5f
CORD COLOR	Y/V	G2

DEFINE		
FREE		
CORD SIZE	AVSS0.5f	AVSS0.5f
CORD COLOR	G/BR	G2

COMB SW

		BAT1	BAT2	BAT3	HA(+)	KEY INSTALL AND REMOVE
OPEN	CAP OPEN					NO AUTO REVERSE
OFF						NO
ON						NO
OFF	PUSH					NO
LOCK	PUSH					NO
OPEN	SEAT OPEN					NO AUTO REVERSE
COLOR CORD		RED	BLACK	BLACK / WHITE	BLACK / BLUE	
SIZE CORD		AV1.25f	AV1.25f	AV0.75f	AV0.75f	

A1	V/R	SENSOR POWER(+5V)	D1	G/GR	CRANK ANGLE(-)	G1	Y/G	RUN/STOP SW	K1	B/Y	MAIN RELAY
A2	Y/BR	STARTER RELAY	D2	B/W	TILT SW	G2	G/W2	SIGNAL GROUND(O2,MAP,TCO)	K2	L/G	FAN RELAY
A3	Y/BR	STARTER RELAY	D3	V/G	STEP MOTOR A2	G3	V/B	THROTTLE POSITION SENSOR	K3		
A4	B1	VOLTAGE AFTER KEY(VBK)	D4	G/O	STEP MOTOR A1	G4	GR/W	O2 SENSOR SIGNAL(+)	K4	W/R	INJ-1(LEFT)
B1	BR/R	CAN-HIGH(+)	E1	L/Y	CRANK ANGLE(+)	H1			L1	R/GR	BATTERY VOLTAGE (VBR)
B2			E2	G/P	DRIVING MODE SW	H2			L2	GR/B	O2 HEATER CONTROL
B3	L/R	ENG CHECK	E3			H3			L3		
B4	R/B3	DIRECT BATTERY VOLTAGE(VBD)	E4	V/W	STEP MOTOR B1	H4			L4	W/O	INJ-2(RIGHT)
C1	BR/G	CAN-LOW(-)	F1	G/R	STARTER SWITCH	J1	L/B	FUEL PUMP RELAY	M1	W/G	IGNITION COIL#2(RIGHT)
C2			F2	BR/W	MANIFOLD AIR PRESSURE	J2			M2	W/B	IGNITION COIL#1(LEFT)
C3	G/W1	SIGNAL GROUND(TPS,TIA)	F3	GR/L	AIR INTAKE TEMP	J3		LEVER SW	M3	G4	POWER GROUND
C4	V/Y	STEP MOTOR B2	F4	G/L	ENGINE COOLANT TEMP	J4	R/Y	SIDE STAND SW	M4	G4	POWER GROUND
PIN	COLOR	LABEL / PI FUNCTION	PIN	COLOR	LABEL / PI FUNCTION	PIN	COLOR	LABEL / PI FUNCTION	PIN	COLOR	LABEL / PI FUNCTION