

# USER GUIDE AND INSTALLATION MANUAL

## AIR COMMAND AIR8000/6000/4000/2000

### International Tech Support

USA : 503-693-1918  
Italy : 39-08-1197-35726

Australia : 61-3-9001-8624  
Mexico : 52-55-1163-8622

Brazil : 55-21-3002-0495  
New Zealand : 64-9-984-9446

France : 33-1-7663-7402  
Spain : 34-96-112-3396

Japan : 81-3-458-01938  
United Kingdom : 442-0-709-98213

Congratulations on your purchase of the **Air Command** - the most advanced and easiest to use air bag control system on the market! With a backlit display, real-time control of all of your air bags, and up to 8 fully customizable presets, the **Air Command** will put you in complete control of your air suspension system at the touch of a finger.

### FEATURES

**8 User-adjustable presets:** When selected it will automatically adjust the valves to the preset level.

There are four different Air Command models:

- AIR8000** allows 8 presets
- AIR6000** allows 6 presets
- AIR4000** allows 4 presets
- AIR2000** allows 2 preset

**Sensor Monitoring:** Real-time monitoring of up to 5 sensors (Left Front, Left Rear, Right Front, Right Rear, Tank)

**Auxiliary Inputs:** Allow control of the Air Command via third party controllers.

**Arm Mode:** When "Armed Input" wire senses a signal from alarm it will deactivate all features of the display and show a big bold "ARMED" message.

**Smart Buttons:** When you press the up or down button it will operate by the following:

- a. Press Once = Increments of one (fraction of second)
- b. Press and Hold = Buttons will have instant result when pushed and released.

**Optional Input** for Auto Adjust Unit.

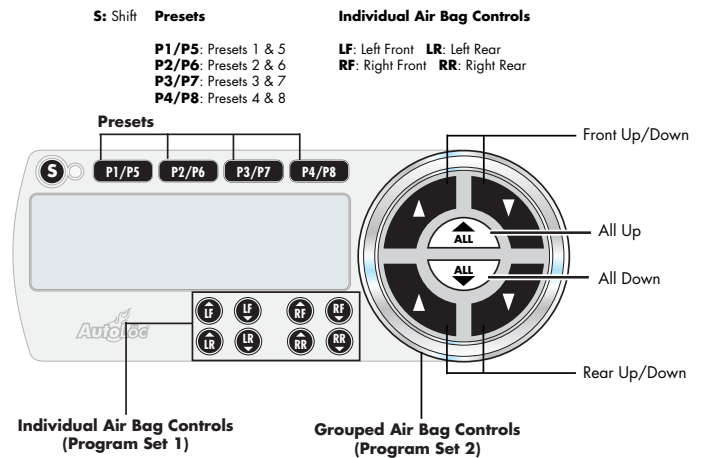
**Automatic Compressor Control:** When the tank reaches a user defined level it will send a negative output for the compressor to run. This signal will remain on until tank reaches user specified pressure level.

- g. Connect sending unit wires to (-) output of pressure sensor
- h. If using keyless entry use (-) outputs to trigger manual valve or preset wires in connector 1. (optional)
- i. Connect grey wire connector 1 to a (-) output of keyless entry or alarm to disable unit when armed. (optional)
- j. When using built in pump relay red wire to switched power source. Green wire will go to (+) wire on pump. (**DO NOT USE PUMP THAT DRAWS MORE THEN 30 AMPS**)
- k. See Pump Supplement Diagram (fig 2 on page 2)

- ④ **Program** sending unit. (see How to Program Sending Unit on page 2)
- ⑤ **Program** valve timing and settings. (see Valve Timing and Settings on page 2)
- ⑥ **Reconnect** Negative Battery Terminal
- ⑦ **Test Your New Air Command!**

### Controller Diagram

fig 1.



### OPERATIONS

#### How to Set Preset

1. Adjust each air bag to the desired pressure.  
For preset **P1, P2, P3, P4**
2. Press and hold selected preset button for 7 seconds.  
For preset **P5, P6, P7, P8**
  - a. Press the **S** button
  - b. Press and hold selected preset button for 7 seconds.
3. System will flash to confirm

#### How Set Compressor Tank Pressure

(Default Setting 110psi)

1. Press and hold both **▲** and **▼** buttons for 5 seconds

### INSTALLATION

(For detailed instructions see operations section)

- ① **⚠ Safety First!** Disconnect negative battery terminal
- ② **Mount** Air Command receiver and control display in a dry spot.
- ③ **Wire** according to diagram (fig 4 on page 4)
  - a. Connect red wire to 12v constant
  - b. Connect black wire to (-)ground
  - c. Connect yellow wire to (+) switched power ignition
  - d. Connect pump wires to corresponding valve's (+) input
  - e. Connect pump wires to corresponding valve's (+) input
  - f. Connect dump wires to corresponding valve's (+) input

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- Use the **▲ ALL** and **▼ ALL** buttons to choose the desired pressure.
- Press and hold both **▲ ALL** and **▼ ALL** buttons for 5 Seconds. (Tank section of LED Display should STOP Blinking)

**User Reset:** Resets the Air Command to factory defaults.

- Press and hold ALL FOUR Preset buttons for 10 seconds (Shift light will go on)
- Press the **P2/P6** button (shift light will blink)
- Press the **P4/P8** button (shift light will stop blinking)

## How to Calibrate the Sending Unit

- Hook up an analog gauge to Tank.
- Press and hold **S** and both **▲ ALL** and **▼ ALL** buttons at the same time, till shift LED starts to flash and Tank's air pressure shows "T000" on the LED, which means the unit, has entered into programming mode.
- Inflate the tank to any air pressure. Read the air pressure on the analog gauge, and press both **▲ ALL** and **▼ ALL** buttons till Tank's air pressure shows the same on both the LCD and the analog gauge.
- Press **S** button to program current resistance of the sending unit.
- Repeat step c and d (until the unit knows at least 2 resistances (up to 16 can be programmed). The more resistances that are programmed the more accurate it will be.
- Press **S** button to exit learning mode.

## Valve Timing and Settings (Program Set 1)

- Press **▲ LF** **▼ RF** buttons at the same time for 10 seconds until the shift LED starts to flash.
  - The number shown on the LF LCD represents the output time (10=1sec. 0=0sec. the default is 5=0.5sec), press **▲ LF** **▼ LF** buttons to adjust. The number shown on the RF LCD represents the output interval (10=1sec. 0=0sec. the default is 5=0.5sec), press **▲ RF** **▼ RF** buttons to adjust. The number shown on LR represents the air pressure tolerance (the default is 5psi), press **▲ LF** **▼ LF** buttons to adjust. The number shown on RR represents auto-cycling on/off value.
- Press **S** button to exit.

## Valve Timing and Settings (Program Set 2)

- Press **▲ RF** **▼ RF** buttons at the same time for 10 sec., till shift LED starts to flash
  - The number shown on LF of the LCD represents the output time (10=1sec. 0=0sec. the default is 5=0.5sec), press **▲ LF** **▼ LF** buttons to adjust. The number shown on RF of LCD represents the output interval (10=1sec. 0=0sec. the default is 5=0.5sec), press **▲ RF** **▼ RF** buttons to adjust.
- Press **S** button to exit

## Pump Supplement Diagram

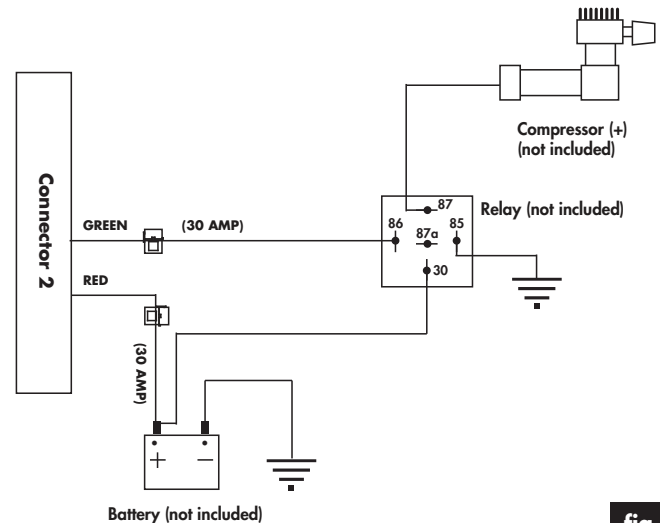


fig 2.

## Wire Descriptions

### Connector 1 Input

Pin 1: Yellow/ Black (-) input wire to Preset 2

Pin 2: Brown (-) input wire to preset 1

Pin 3: Blue wire to preset 3

Pin 4: Yellow wire keyed on ignition source

Pin 5: Purple (-) input wire to preset 4

Pin 6: Grey (-) input wire from alarm to disable Air Command while alarm is enabled

Pin 7: Grey/ black (-) input wire to preset 5

Pin 8: Red wire to preset 6

Pin 9: Pink (-) input wire to preset 7

Pin 10: Orange (-) input wire to preset 8

Pin 11: Green (-) input wire to Right Rear Pump

Pin 12: Brown/ white (-) input wire to right rear dump

Pin 13: Purple/ black (-) input wire to left rear pump

Pin 14: Red/ black (-) input wire to left rear dump

Pin 15: Grey/ red (-) input wire to right front pump

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Pin 16: Orange/ black (-) input wire to right front dump

Pin 15: Pink/ black (-) input wire to left front pump

Pin 16: Yellow/ white wire to left front dump

**Connector 2 Valve Output**  
Max output **3 AMPS** (See **Valve Supplement Diagram** below for valves that draw more.)

Pin 1: Red wire to 12V constant

Pin 2: Black wire to chassis ground

Pin 3: Purple wire to left rear pump

Pin 4: Grey wire to right front pump

Pin 5: Green wire to right rear pump

Pin 6: Brown wire to right rear dump

Pin 7: Yellow wire to left rear dump

Pin 8: Blue wire to left front dump

Pin 9: Orange wire to right front dump

Pin 10: Pink wire to left front pump

### Connector 3 Sensor Input

Pin 1: Red wire to pressure sensor

Pin 2: Pink wire to pressure sensor left front bag

Pin 3: Orange wire to pressure sensor right front bag

Pin 4: Purple wire to pressure sensor left rear bag

Pin 5: Grey wire to pressure sensor right rear bag

## TROUBLESHOOTING

**Q.** When I press my preset button the system has a hard time finding the preset accurately.

**A.** If the system can't find your preset easily you will need to adjust the interval time which can be set between 1-10, 1 being 1/10 of 1 second, 10 being 1 full second.

**Q.** Display is reading inaccurate PSI.

**A.** If the PSI reading is incorrect you will need to re-calibrate your sensors to the air command system.

**Q.** Display shows alarm and nothing works.

**A.** Deactivate your alarm system.

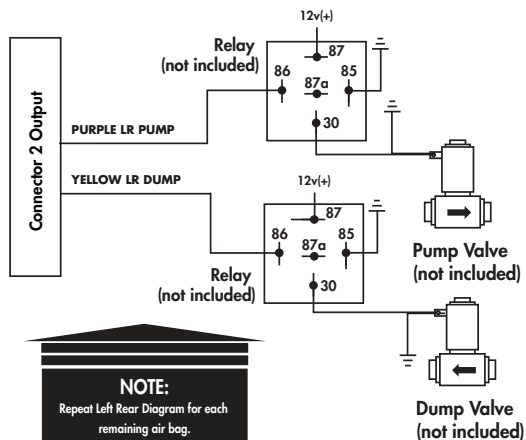
**Q.** Display will not illuminate. (nothing on screen)

**A.** Be sure that the solid yellow wire is hooked up to switched ignition power.

**Q.** Cannot program presets 5, 6, 7, 8

**A.** Presets 5 through 8 are available only on the AIR8000. If you have purchased an AIR8000, make sure that you're pressing the shift button and that the red LED is illuminated.

## Valve Diagram (if valves draw over 3 AMPS)



**NOTE:**  
Repeat Left Rear Diagram for each remaining air bag.

Right Front	Left Front	Right Rear
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## ACCESSORIES

### KEYLESS ENTRY SYSTEM



TAKE CONTROL! AutoLoc's exclusive 18 function KL1800 allows you to have total control over your vehicle from the palm of your hand.

### AIR SENSORS



AutoLoc Air Sensors function flawlessly with the Air Command digital controller.

### STELLAR ALARM SYSTEM

The Stellar ST8000 Alarm with 2 BIRT Relays will protect your vehicle and all its contents from would-be thieves, installation is quick and easy.



fig 3.

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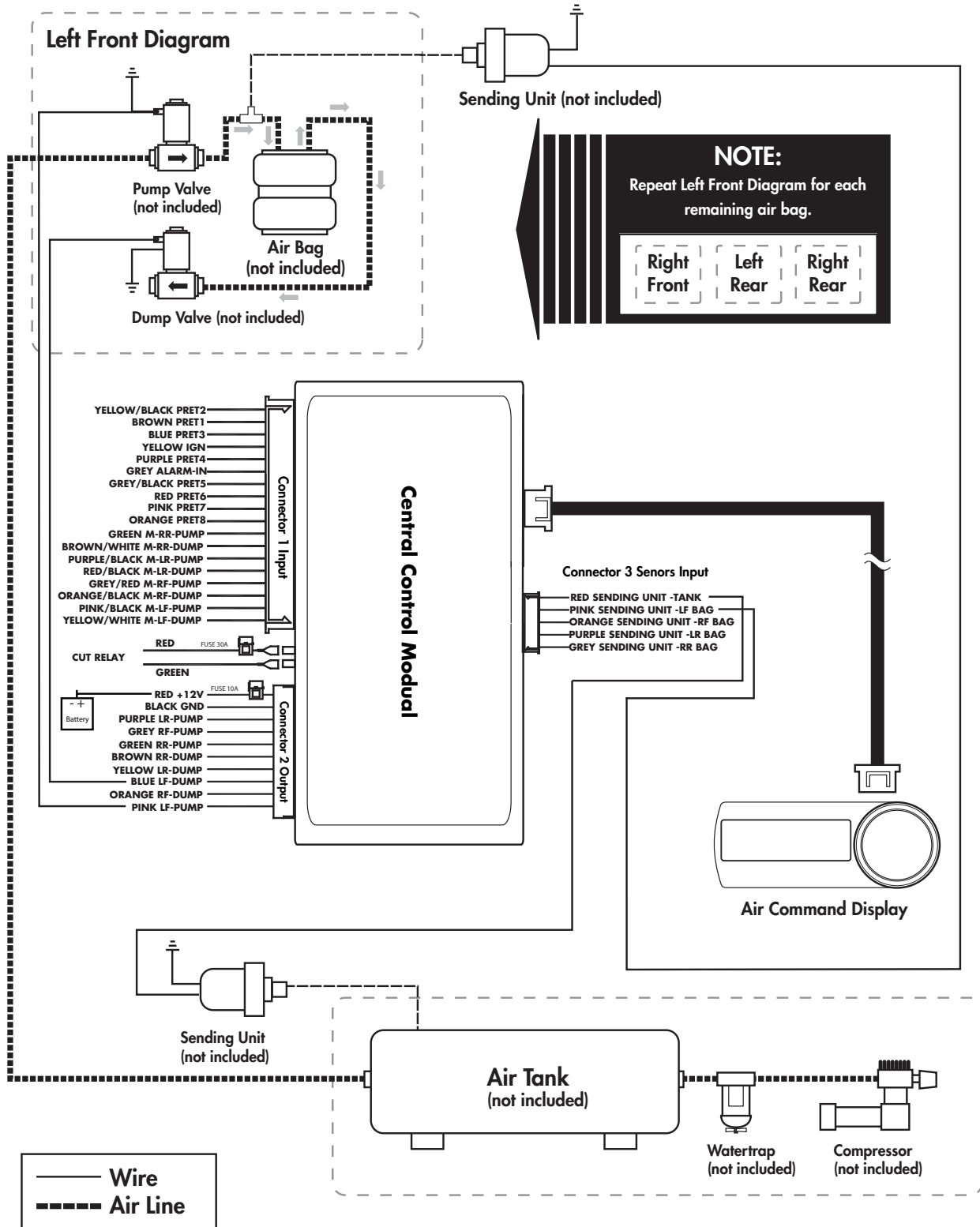


fig 4.