



GRAIN TRAILER

- * "Patented" Rounded Hoppers & Slopes
- * "Patented" Easy Open Grain Door



DROPDECK TRAILER

- * Deepest & Strongest Beams in the Industry
- * Extra 5 ft of usable space when ramps are flipped up



FLATBED TRAILER

- * Lighter Weight
- * Bigger Payload
- * More Profit



TAG TRAILER

- * Lower Deck Heights
- * High Strength Main Beams and Crossmembers



SIDE DUMP TRAILER

- * Completely Welded-No Leakage
- * Maintenance Free Rolling Pin



DETACHABLE GOOSENECK

- * Hydraulic Gooseneck



POST DRIVER

- * Drives Steel and Wood



FACSIMILE COVER SHEET

DATE: 9/18/08
 TO: _____
 FROM: Eldon

NUMBER OF PAGES (INCLUDING THIS COVER SHEET) _____

attn: Ray



1303 NORTH 13TH STREET
 HUMBOLDT, IA 50548
 (515) 332-3117
 (515) 332-5092 (FAX)



JET COMPANY
1303 N. 13th Street
Humboldt, Iowa 50548

JET AIR RIDE Suspension
optional PARK AND LEVEL® (800) 332-3117
Nationwide

WHEREVER YOU'RE HEADED ---

JET CO'S WITH YOU ALL THE WAY!

SERIAL NUMBER: _____

MODEL NUMBER: _____

INCLUDES:

- > Operating Procedures
- > Maintenance
- > Troubleshooting

OPERATION, MAINTENANCE, AND SERVICE OF THE

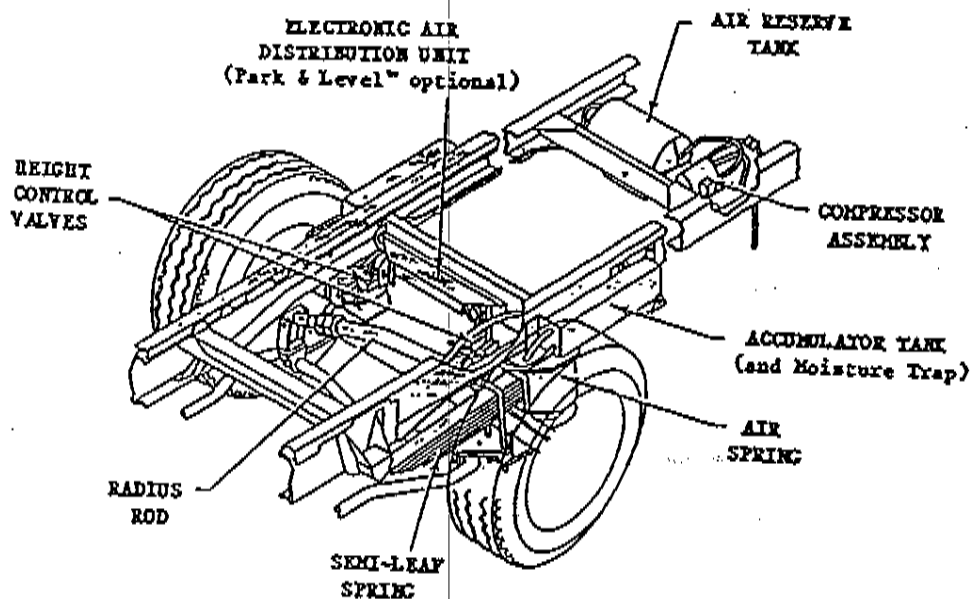
JET AIR RIDE SUSPENSION SYSTEM, WITH OPTIONAL PARK AND LEVEL®

This information provides general operating, maintenance and troubleshooting guides for the Jet Air Ride Suspension System for your selected motor home.

We recommend that no repairs or maintenance be undertaken without prior knowledge of operating principles and proper diagnostic procedures of the system.

SYSTEM COMPONENTS

The Jet Air Ride Suspension System basically consists of an air/leaf spring assembly, an air compressor unit with an air reserve tank, individual air accumulator tanks and various height control valves and pressure switches.



The spring assembly includes adjustable rubber air springs and auxiliary semi-leaf springs which completely replace the original chassis rear suspension system. The height control valves continually monitor frame-to-axle distance to control the air compressor unit which maintains correct pressure in the air springs. This provides optimal spring pressure throughout a wider range of load conditions than a standard leaf spring rear suspension system, resulting in a smoother ride.

Although rubber air springs afford a softer ride, they do not provide much side-to-side stability. So, a large radius rod is mounted between the frame rails to recover the lateral stability lost by addition of the air springs. This combination actually delivers better ride and handling characteristics than the original leaf spring suspension system.

OPTIONAL PARK AND LEVEL® SYSTEM

The optional Park and Level® system incorporates air distribution controls for vehicle leveling purposes. It allows air spring pressure to be individually controlled, either manually or automatically, to simulate the function of a hydraulic leveling system. This provides the vehicle owner with a reasonable degree of flexibility in parking or camping site selection.

OPERATING INSTRUCTIONS

Normal Driving

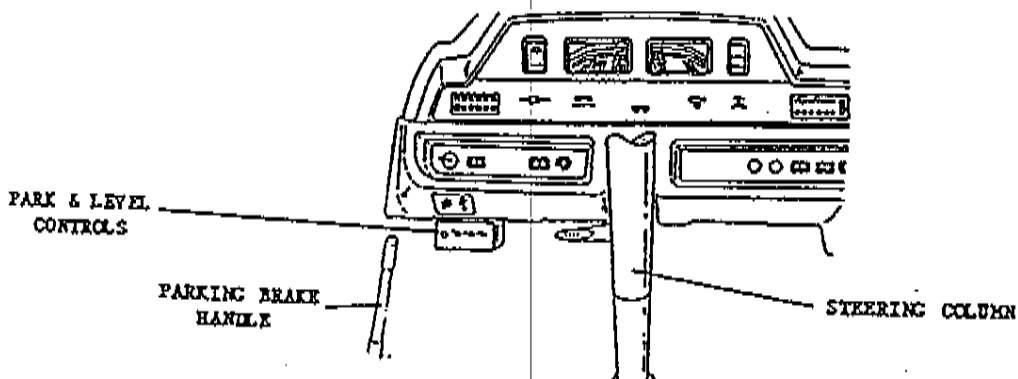
Without Park and Level® -- No special instructions or precautions must be observed since the system is always in road travel mode

With Park and Level® -- The Auto/Manual switch should be placed in the Automatic (up) position before driving off. The switch handle emits a red light to alert the operator when the system is in the Park and Level® (Manual) mode.

NOTE: Automatic leveling (road travel mode) is deactivated when the ignition is switched off.

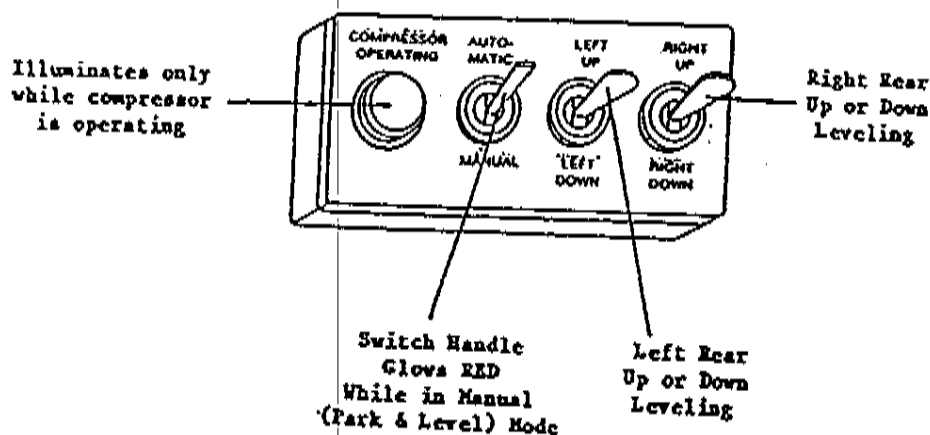
Park and Level® Controls

The optional Park and Level® control panel is located at the lower left-hand side of the dash. It contains 3 toggle switches and an indicator light.



Leveling

Flip the mode switch (red toggle) to "Manual". The switch will illuminate to indicate that the leveling feature is activated. The vehicle may then be leveled by operating the right and left up/down switches.



- * When raising the rear of the vehicle, operate both springs at the same time to provide maximum lifting power.
- * When parked on a side hill, raise both springs as mentioned above, then lower the spring on the "uphill" side until the vehicle is level.
- * When you're ready to drive off, keep the switch in "Manual" position, hold both the left and right levers down to position home (lower than "Auto" setting). Flip the switch then from Manual to Automatic and let the home even itself. If the home appears uneven, go back to Manual and lower both sides again, then back to Auto.

Compressor Light

The red indicator light labeled "Compressor Operating" will illuminate only while the compressor is operating. This normally occurs for a few minutes upon starting the vehicle after being parked while using the Park and Level® feature. The compressor will start when the Auto/Manual switch is placed back into the "Auto" position in order to build up air pressure in the springs. It will also operate periodically while driving to maintain air spring pressure.

If your compressor were to ever fail and your coach is equipped with the Park and Level® feature, by placing the coach into "Manual" position, air will be locked into the air bags. If another source of air is available, it can be hooked up to the schrader type valve located on the side closest to the frame rail, and again by placing the switch into "Manual" position to fill the bags. The coach will need to be left in "Manual" position until the compressor is repaired or replaced.

PERIODIC MAINTENANCE

There are very few items on this suspension system that require periodic maintenance. Here are a few simple maintenance suggestions:

- > Purge moisture from air reserve and accumulator tanks before freezing temperatures and/or vehicle storage. Turn the butterfly valve on the bottom of each tank 90° to expel water. Close the valve when water stops spraying from the valve.
- > Periodically inspect air hoses for abrasions, pinholes or other conditions which could result in air leaks.

TROUBLESHOOTING THE JET AIR RIDE SUSPENSION SYSTEM

(A) AIR COMPRESSOR WON'T RUN

Due to Electrical Troubles

1. Blown fuse - Replace (located close to auxiliary battery)
2. Improper ground - Re-connect ground
3. Wiring improperly attached - See diagrams
4. Defective pressure switch - Replace
5. Defective solenoid - Replace.
6. Defective compressor - Replace

(B) AIR COMPRESSOR WON'T SHUT OFF

1. Drain plug partially open - Close
2. Air leak in system - Check and if necessary replace
3. Defective pressure switch - Replace
4. Defective solenoid - Replace

(C) VEHICLE WON'T AUTOMATICALLY LEVEL

When equipped with Park and Level® feature

1. Ignition switch OFF - Ignition must be ON to supply power
2. Fuse blown - Replace
3. Switch on control box in wrong position - Refer to installation instructions
4. Adjusting link clamp moved on axle - Re-adjust (up is up and down is down)
5. Park and Level® electric connector disconnected - Re-connect
6. Defective solenoid on Park and Level® assembly - Replace assembly
7. Pinched air line(s) - Inspect and correct or re-route if necessary
8. Compressor not operating properly - See Item A

(D) AIR SPRINGS WON'T MAINTAIN PROPER HEIGHT

1. Air leaks - Check entire system using soapy water solution
2. Defective or improperly adjusted height control valve - Check valve and re-adjust or replace as necessary.
3. Compressor not operating properly - See Item A
4. Air plumbing incorrect - Refer to installation instructions
5. Park and Level® in improper mode - Refer to installation/operating instructions

(E) PARK AND LEVEL® WON'T OPERATE

1. Check position of Auto/Manual switch
2. Ignition switch OFF - Must be ON to supply power
3. Fuse blown - Replace
4. Electric connection unplugged - Inspect and re-attach if necessary
5. Compressor not operating - See Item A

(F) VEHICLE WON'T LEVEL IN MANUAL MODE

1. Ignition switch OFF - Must be ON to supply power
2. Be sure red toggle is down in Manual position
3. Fuse blown - Replace
4. Compressor not operating - See Item A
5. Defective solenoid - Replace

(G) NO INDICATOR LIGHTS ON PARK AND LEVEL® CONTROL PANEL

Compressor Operating Light Won't Come On

1. Be sure compressor is running
2. Fuse blown - Replace
3. Bulb burned out - Replace
4. Wire disconnected - Re-connect

Auto/Manual Switch Handle Light Not Operating

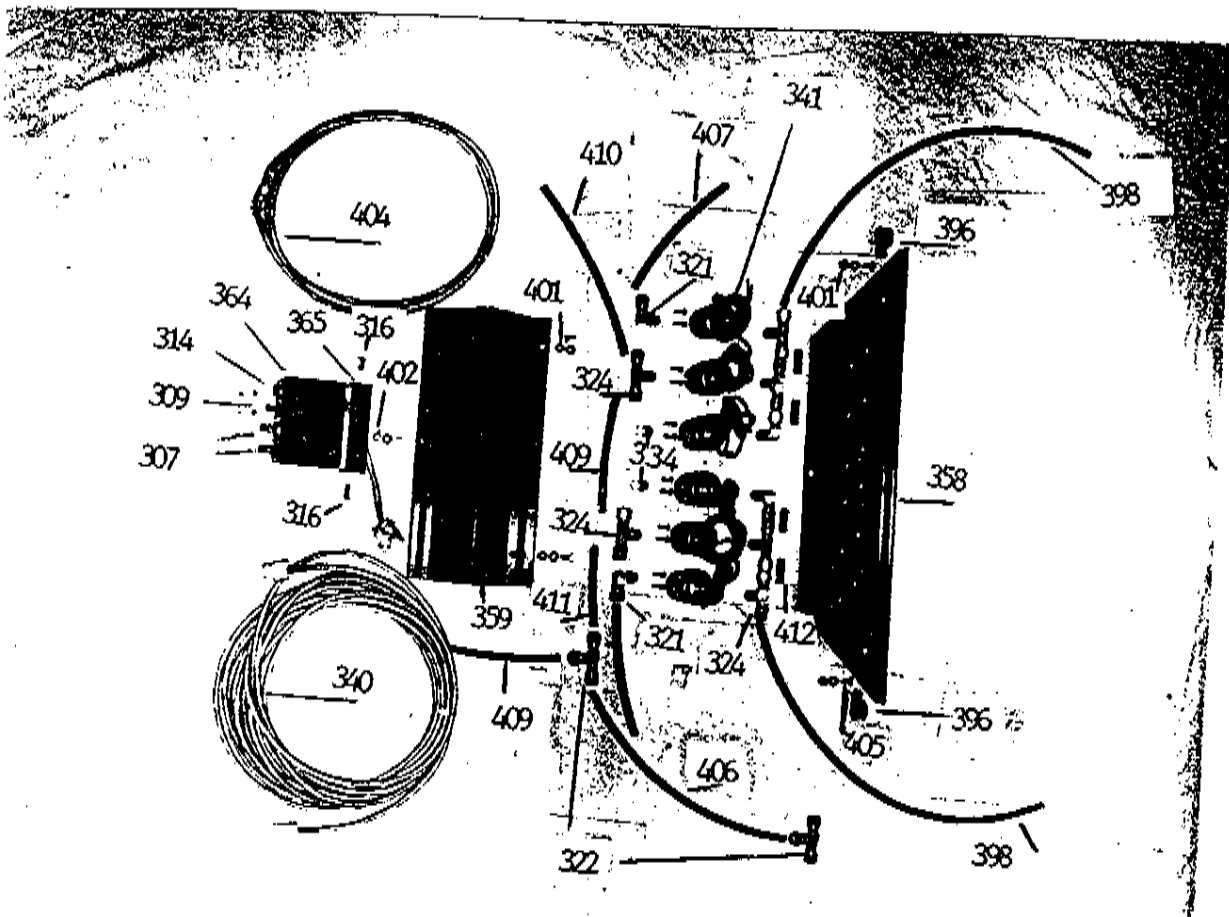
1. Fuse blown - Replace
2. Wire disconnected - Check plugs and re-connect if necessary
3. Defective switch - Replace

TECHNICAL ASSISTANCE

Should you require diagnostic assistance for problems beyond the steps listed in this bulletin, you may contact us in writing, Jet Company, 1303 N. 13th Street, Humboldt, Iowa 50548, or call (515) 332-3117 or 800-332-3117 between 8:00 AM and 4:30 PM Central time.

PARK & LEVEL SYSTEM (P&L)

PARTS LIST



PARTS LIST

Qty.	Part #	Description	Qty.	Part #	Description
2	307	Toggle Switch	3	396	Wire Clamp
1	309	Lighted Toggle Switch	2	398	3/8" Synflex Hole 22" Blue
1	314	Indicator Light	9	401	1/4" Lock Washers
14	316	10-32x 1/2" Mach.Screw, Phillips Head	13	402	1/4" Nut
4	321	3/8 x 1/8 Elbow	8	404	20 ga. 9 Conn. Cable
2	322	3/8x3/8x3/8 Tube Tees	5	405	1/4" x 1/2" Bolt
5	324	3/8x3/8x1/4 Tube to Tube to MPT	1	406	Synflex 14" Red
2	334	1/4" Plugs	1	407	Synflex 6 3/4" Black
33	340	Signal 20 ga. 9 Conn.Cable	1	408	Synflex 7 1/4" Black
6	341	Electric Solenoid (Air P&L)	1	409	Synflex 5" Red
1	358	Electric Solenoid Holder	1	410	Synflex 14" Red
1	359	Park & Level Cover	1	411	Synflex 4" Red
1	364	Dash Park & Level Control Box	4	412	Synflex 1 1/2" Blue
1	365	Park & Level Mounting Bracket			

JET COMPANY, INC.
 PARK & LEVEL SYSTEM (P&L)
 PARTS LIST

Hadley Valve
 # 313 (SAMS 95 55923)

PHOTO NO. 1

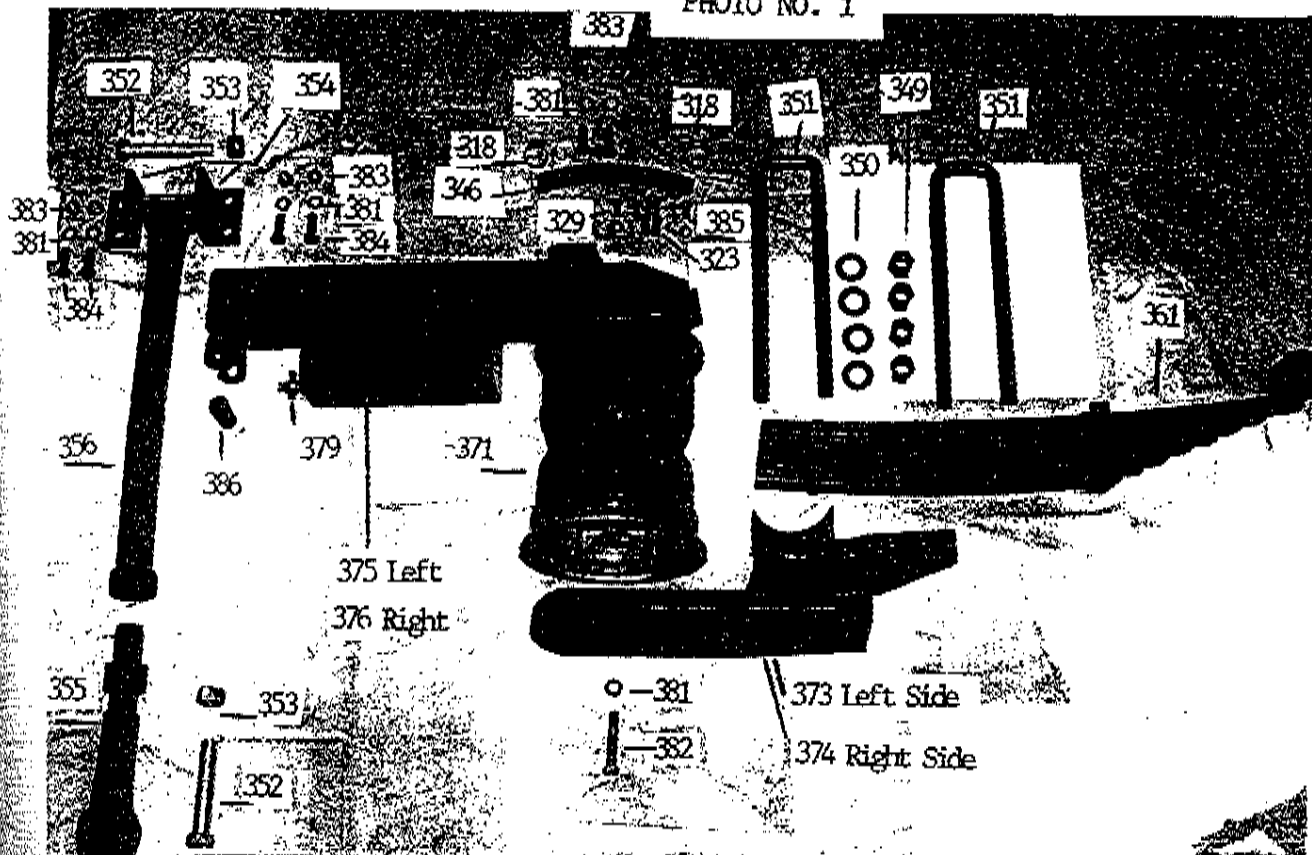
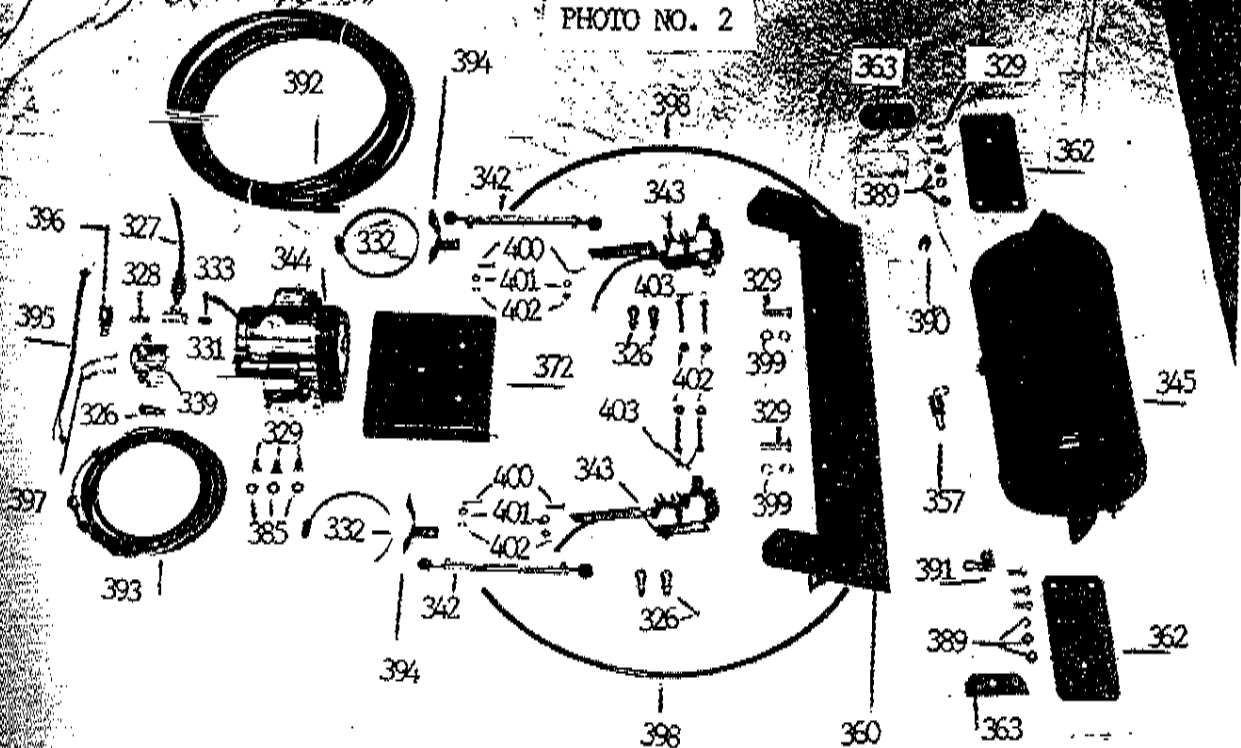


PHOTO NO. 2



JET COMPANY, INC.
 PARK & LEVEL SYSTEM (P&L)
 PARTS LIST

PHOTO NO. 1

Qty.	Part #	Description	Qty.	Part #	Description
4	318	Hose Clamp			
4	323	3/4 Pipe, 3/4 Hose			
13	329	3/8 x 3/4 Hex Cap Screw	2	371	Super Cushion Air Bag
2	346	3/4" Air Hose, 9" Long	1	373	Left Spring Holder (Lower)
8	349	7/8" NF Long Nuts (U-Bolts)	1	374	Right Spring Holder (Lower)
8	350	7/8" Flat Washers	1	375	Left Top Spring Holder
4	351	7/8" x 13 1/2" U-Bolt	1	376	Right Top Spring Holder
2	352	7/8" x 5" Fine Thread Bolt	2	379	Pit Cock
2	353	7/8" Self Locking Nut, Fine Thread			
2	354	Radius Rod Brackets	9	381	1/2" Lock Washers
1	355	Radius Rod End (Adjustable End)	2	382	1/2" x 3" Bolt
1	356	Radius Rod End	8	383	1/2" Nuts
2	361	1/2 Leaf Springs	8	384	1/2" x 1-1/2" Hardened Bolt
			7	385	3/8" Lock Washers
			2	386	Upper Air Tank Spacer

PHOTO NO. 2

Qty.	Part #	Description	Qty.	Part #	Description
5	326	3/8 x 1/8 Tube to MPT	1	372	Air Compressor Bracket
1	327	Air Pressure Switch	7	385	3/8" Lock Washers
1	328	Air Inlet	6	389	3/8" Self Locking Nuts
13	329	3/8 x 3/4 Hex Cap Screw	1	390	1/2" Pipe Plug
2	331	1/8" Pipe Tees	1	391	3/8 Synflex x 1/2" Pipe Elbow
2	332	4" Clamps	1	392	3/8 Synflex 34' (Red)
2	333	1/8" Close Nipple	1	393	Compressor Power Cable
15	337	3/8 x 3/4 Hex Cap Screw	2	394	HCV Axle Mount
1	339	Electric Solenoid	1	395	Park & Level Power Cable
2	342	Linkage Arm	3	396	Wire Clamp
2	343	Height Valve	2	398	3/8" Synflex Hole 22" Blue
1	344	Air Compressor	2	399	3/8" Fender Washer
1	345	Air Tank	4	400	1/4" x 1" Bolt
1	357	Pop-Off Valve	9	401	1/4" Lock Washers
1	360	Height Valve Holder	13	402	1/4" Nut
2	362	Air Reservoir Tank Brackets	4	403	1/4" x 2" Bolts
2	363	Air Reservoir Tank Clamps, 7 ga.			

PARTS LIST P-30-93

PHOTO NO. 1

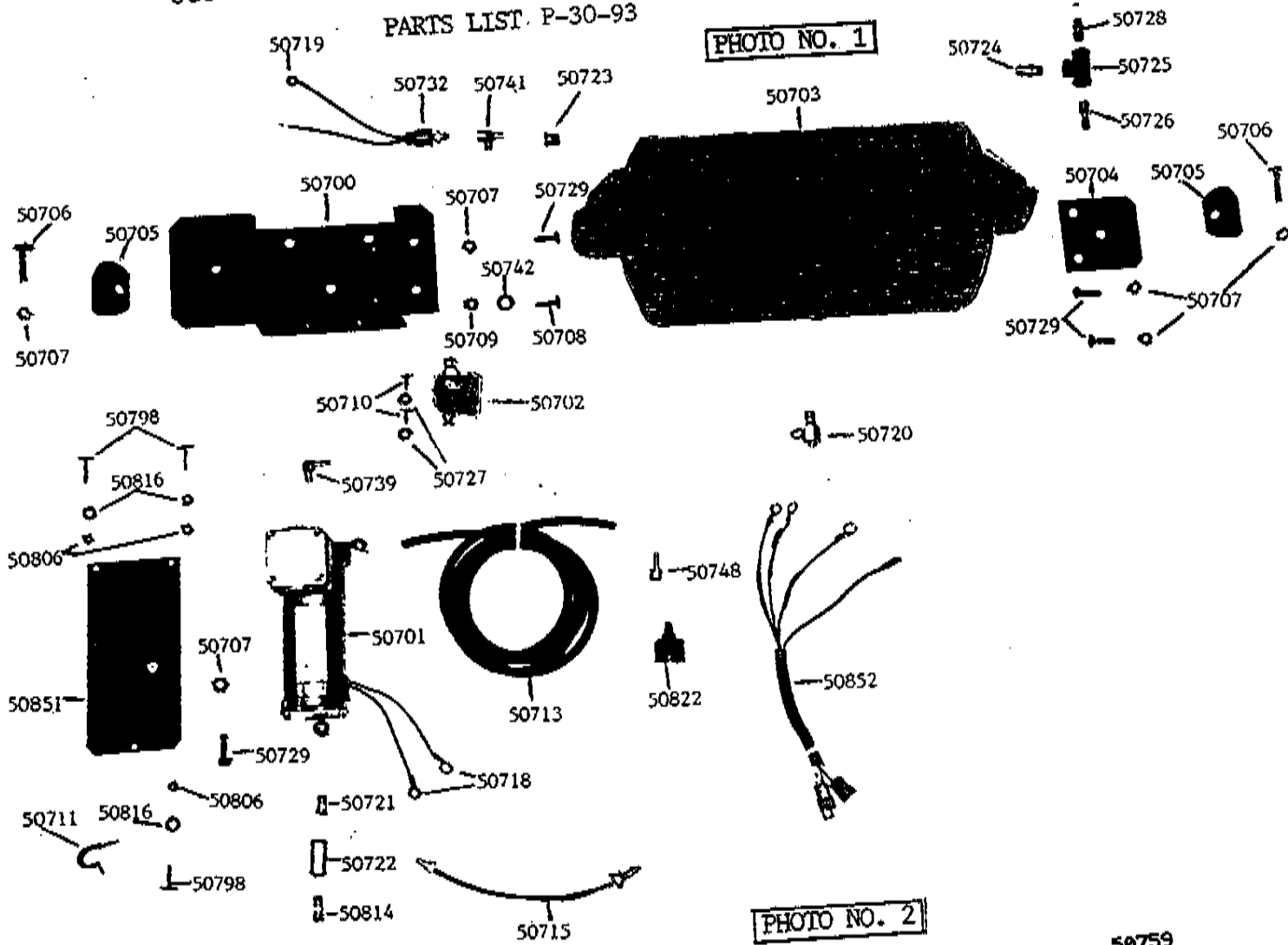
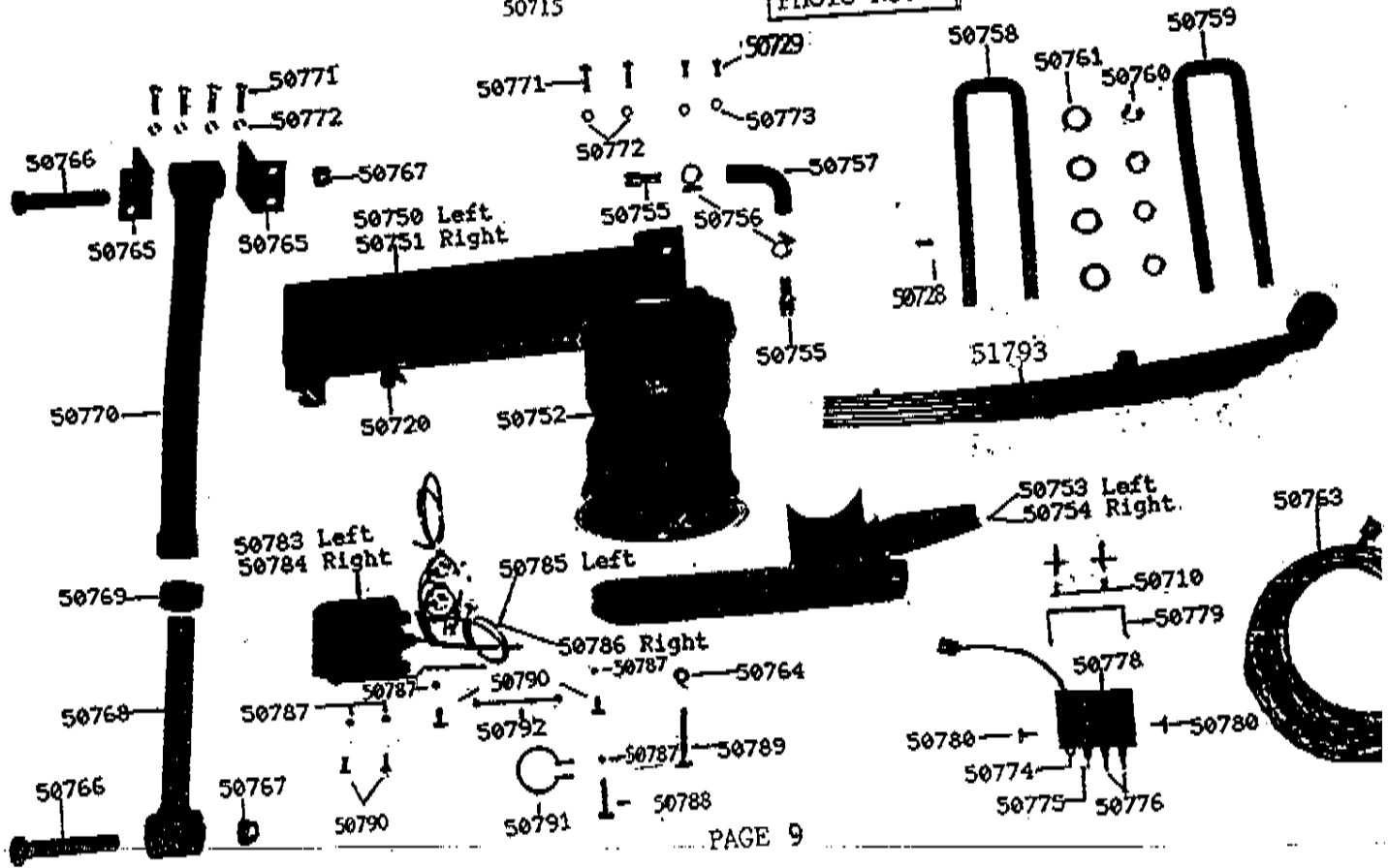


PHOTO NO. 2



ELECTRONIC PARK AND LEVEL

PARTS LIST

PHOTO NUMBER 1

Qty.	Part #	Description	Qty.	Part #	Description
1	50700	Air Compressor Bracket	1	50723	Bushing, 3/8" X 1/8" Pipe
1	50701	Air Compressor	1	50724	Hex Reducing Nipple, 3/8" X 1/4"
1	50702	Electric Solenoid,w/sealant,w/waterprf. seal	1	50725	1/4" Pipe Tee, Black
1	50703	Air Tank	1	50726	1/4" Air Inlet
1	50704	Air Reservoir Tank Brackets	4	50727	#8 Washer SAE - Plated
2	50705	Air Reservoir Tank Clamps, 7 ga.	3	50728	1/4" Pipe to 1/4" Tube
5	50706	3/8" X 1 1/2" HxCapScrew,Pltd.,CrS.Thrd., Gr #5	4	50729	3/8" X 1" HxCapScrew,Pltd.,CrS.Thrd.,Gr #
5	50707	3/8" Self-lock nuts,pltd.nylon insert,crs.	1	50732	Air Pressure Switch
1	50708	5/16" X 1" Hx.Hd.Bolt, Plated Coarse	1	50739	1/4" X 1/8" Barbed Elbow
1	50709	5/16" Lock Nut Nylon Insert Coarse, PL	1	50741	Street-T, FPT to MPT to Tube
4	50710	#8 3/4" Tex Plated Coarse	1	50742	5/16" Flatwasher Plated
1	50711	Loom Clamp (Wire)	1	50748	1/4" X 1/8" Straight Hose Barb
8	50713	7/32" Black Rubber Hose	3	50798	3/16" X 1" Hx.Hd.Bolt, Plated Coarse
1	50715	8 1/2" O.D. Teflon Tubing (1/4")	3	50806	3/16" Lock Nut, Plated
6	50718	Insulated Ring Terminal	3	50816	3/16" Flat Washer, Plated
1	50719	Ring Terminals	1	50822	External Air Filter
3	50720	Pit Cock	1	50851	Compressor Mounting Plate
1	50721	1/8" Clos Nipple, Brass	1	50852	Electronic Compressor Harness
1	50722	Check Valve			

PHOTO NUMBER 2

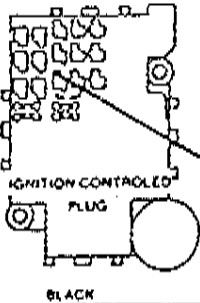
Qty.	Part #	Description	Qty.	Part #	Description
4	50710	#8 3/4" Tex Plated Coarse	1	50768	Radius Rod End (Adjustable End)
3	50720	Pit Cock	2	50769	1 1/2" Nut Fine Thread
	50727		1	50770	Radius Rod End
3	50728	1/4" Pipe to 1/4" Tube	8	50771	1/2" X 1 1/2" Hardened Bolt, Plated Coarse
4	50729	3/8" X 1" HxCapScrew,Pltd.,CrS.Thrd., Gr #5	8	50772	1/2" Self-lock nuts,pltd.,CrS.-no nylon ins
1	50733	Fuse Holder	4	50773	3/8" Lock Washer, Plated
1	50750	Left Top Spring Holder	1	50774	Indicator Light
1	50751	Right Top Spring Holder	1	50775	McGill Lighted Switch
2	50752	Super Cushion Air Bag, w/bumper	2	50776	McGill Switch
1	50753	Left Spring Holder (Lower)	3	50777	McGill Nut for Toggle Switch
1	50754	Right Spring Holder (Lower)	1	50778	Dash Park and Level Control Box
4	50755	3/4" Pipe, 3/4" Hose	1	50779	Park and Level Mounting Bracket
4	50756	Hose Clamp	2	50780	8-32 X 1/4" Mac. Screw, Hx.Hd., Plated Crs
11 1/2	50757	5-5/8" X 3/4" Air Hose	1	50783	Left Height Control Box
2	50758	7/8" X 13-1/2" U-Bolt (Bent)	1	50784	Right Height Control Box
2	50759	7/8" X 13-1/2" U-Bolt (Straight)	1	50785	Left Valve
8	50760	7/8" NF Long Nuts (U-Bolts)(High), Pltd.fine	1	50786	Right Valve
8	50761	7/8" Flat Washers, Pltd. (1-3/4" O.D.-SAE)	10	50787	1/4" Self-lock nuts,pltd.crs.,nylon insert
2	50762	1/2 Leaf Springs	6	50788	1/4" X 2" Hx.Hd.Bolt,pltd.,thrd.all way,cr
1	50763	Electronic Wiring Harness	2	50789	1/2" X 3" Bolt, Plated, Gr #5, Coarse
2	50764	1/2" Lock Washer, Plated	8	50790	1/4" X 1" Bolt, Plated, Coarse
2	50765	Radius Rod Brackets	2	50791	4" Clamps (Axle)
2	50766	7/8" X 5" Fine Thread Bolt	2	50792	Linkage Arm
2	50767	7/8" Self-lock nuts,fine thrd,pltd.plst.insert			

WIRE CODE

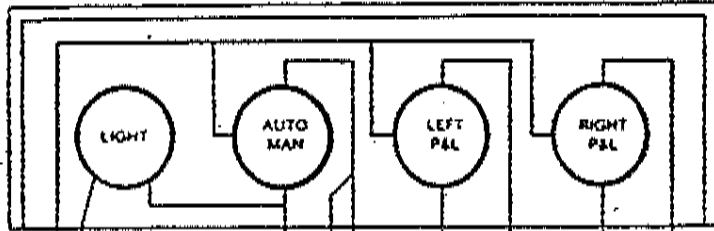
- Blue - Ignition Wire
 - Black - Ground
 - Red - Positive Off Battery
- CONTAINS 30 AMP IN LINE FUSE

FRONT OF VEHICLE

CHASSIS FUSE BLOCK



CONTROL BOX

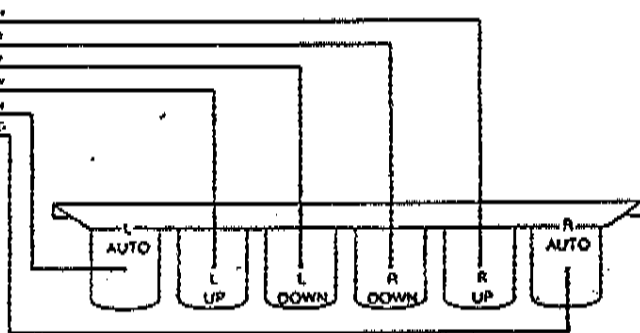
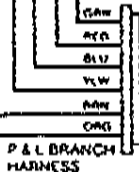


32' Gray Cable

WIRE CODE

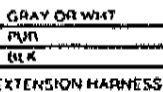
- GRAY OR WHITE - GROUND
- BLACK - HOT
- YELLOW - LEFT UP
- GREEN - RIGHT UP
- BLUE - LEFT DOWN
- RED - RIGHT DOWN
- BROWN - LEFT AUTO
- ORANGE - RIGHT AUTO
- PURPLE - PUMP LIGHT
- (Symbol) - FEMALE CONNECTION
- (Symbol) - MALE CONNECTION

MAIN WIRING HARNESS

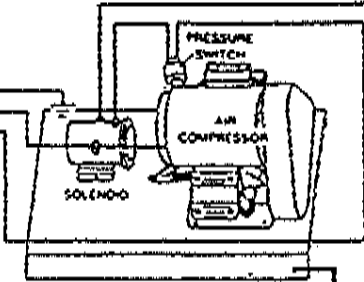


PARK & LEVEL AIR DISTRIBUTION UNIT

AIR COMPRESSOR HARNESS



AIR COMPRESSOR EXTENSION HARNESS



AIR COMPRESSOR ASSEMBLY

JET AIR RIDE

WIRING SCHEMATIC

SUSPENSION SYSTEM