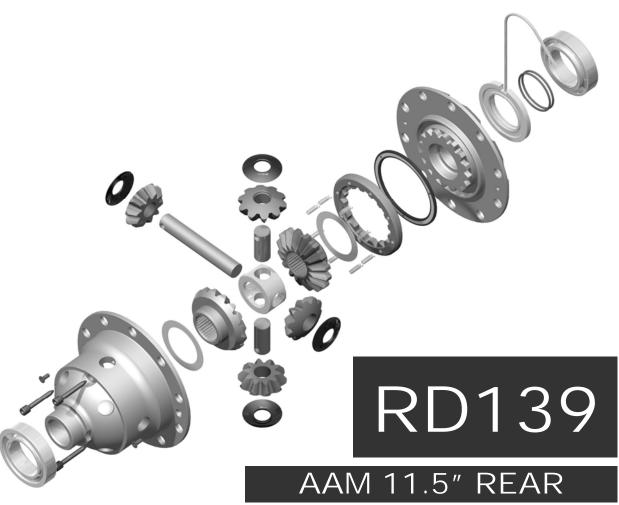


AIR OPERATED
LOCKING DIFFERENTIALS
INSTALLATION GUIDE



Part No. 2102139 Revision Date 30/04/2009 Copyright © 2009 by ARB Corporation Limited

IMPORTANT:

BEFORE ATTEMPTING TO DISMANTLE YOUR VEHICLE FOR THIS INSTALLATION, PLEASE READ THIS INSTALLATION GUIDE IN ITS ENTIRETY, AS WELL AS ALL APPLICABLE SECTIONS OF YOUR VEHICLE MANUFACTURER'S SERVICE MANUAL.

1.1 Pre-Installation Preparation

This booklet is to be used in conjunction with your vehicle manufacturer's service manual. ARB endeavors to account for every possible variation in vehicle model when publishing its installation guides, and guides are undated regularly as model rapid and <u>Globall</u>y varica rele becomes available, some vehicles make ult to sure that your vehicle more been accurately acco ne ca**≖** uide discrepancies betwee hd ya strongly advise that ve he s nd as documented in year ual

Although your ARB AIR Locker comes complete with all the step by step instructions you will need to supplement you venicle manufacturer's service manual and install your new differential, ARB recommends that you have your Air Locker installed by a trained professional. Many ARB distributors around the world have been fully instructed in Air Locker installations by ARB, and have gained a wealth of experience and skill from years of performing similar installations.

Once you begin this installation your vehicle will be immobile until all steps of the installation are complete. Make sure your *Air Locker* kit is the correct model for your vehicle and that it contains all of the parts listed on back cover of this booklet. Also be sure you have appropriately equipped yourself with all the necessary tools, parts, and materials to complete this installation (see Section 1.2 *Tool-Kit Recommendations*), and that you have allowed for an appropriate amount of vehicle down time.

HINT: Place a √ mark inside each of the ☐ symbols as you complete each step. It is very important NOT to miss any of the steps!



1.2 Tool-Kit Recommendations

Below is a list of tools and supplies you <u>may need</u> to complete this installation. Requirements for your vehicle may vary. Please consult your vehicle service manual for additional recommendations.

1.2.1 Tools
Standard automotive sizes (metric and/or imperial) of sockets, wrenches, Allan keys, and drills.
A dial indicator or other suitable measuring tool for checking ring & pinion backlash.
An adjuster-nut v vour vehicle service manual
A razor knife suitable for cuttle nylon tubing.
A torque wrench. (y ve cle se in a la forther continue la forther
☐ A lubricant drain real and a lateral and
A 11.2mm [7/16"] drill and 1/" T to the little litt
An automotive bearing puller.
A slide hammer.
☐ A bearing press or arbor press.
1.2.2 Supplies
☐ Thread lubricant/sealant compound for pressure fittings (e.g., LOCTITE #567 Teflon past)
☐ Thread locking compound (e.g., LOCTITE #272)
A gasket sealant or replacement gasket for your third member.
 A sufficient volume of differential oil to completely refill your housing. (See the ARB Air Locker Operating and Service Manual for recommended lubricants)
A soap and water mixture to test for air leaks.



2.1 Vehicle Support	
Safely secure the vehicle on a hoist. We recommend supporting the vehicle on a chassis hoist to keep the differential area at a convenient working height and to leave the wheels and axles free to be rotated and removed.	16
Once supported off the ground, release the parking brake and leave the vehicle in neutral. Chock the wheels if necessary.	
2.2 Differential Fluid Drain	
Clean around the differential drain plug to prevent dirt from enterin	g
Position a fluid drain reserve under the ownerential appropries	7
differential drain p Completely drain a	
Once drained, rem the iff ential f	
HINT: This is a grant to che metage in a which may	
your oil and in the hottom of the haveing which may indicate a norm souling or differential component.	
2.3 Removal of the Axles and Differential	
Remove the wheels, and brakes according to your vehicle manufacturer's service manual.	
Remove both axle shafts according to your vehicle manufacturer's service manual.	
NOTE: The axle oil seals are delicate and can be easily damaged. Support the weight of the axle shaft when drawing them out of their sockets in the housing.	
IMPODIANI.	

IMPORTANT:

Collision damage or heavy off-road use of your vehicle in the past may have resulted in some degree of bending in the axle. Any misalignment of the axle tubes may result in excessive wear and/or failure of your differential and axle shafts. ARB strongly recommends that you have your axle assembly inspected for concentricity and straightness before installing your *Air Locker*.



2.4 Marking the Bearing Caps

Using a small pointed center punch, gently mark the bearing caps in a way that will enable you to know which cap is 'LEFT' and which cap is 'RIGHT', which way is 'UP' and which way is 'DOWN'. (Fig.1.)

Mark the right hand cap in a similar way.

HINT:

Many installers choose to make one punch mark on the left hand side of the left hand bearing cap and a similar mark on the housing at close proximity to the cap mark. The right hand side is then designated with two punch marks on the right hand side of the cap and two similar marks on the right.



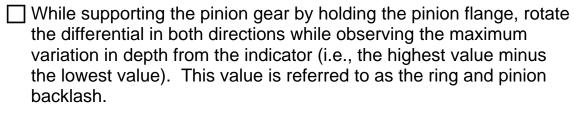
2.5 Checking the Current Backlash Amount

IMPORTANT:

This step is a precautionary measure recommended by ARB due to the fact that some after market ring and pinion sets have been manufactured to run with different backlash settings than those specified by your vehicle manufacturer. Although ARB must recommend you set backlash according to your service manual guidelines, we also advise that you compare the backlash measurements taken here to the recommended backlash settings in your vehicle service manual. Measurements found to be outside of your service manual recommendations may indicate the need to deviate from those settings in order to achieve quiet running with a good contact mark.

Refer to your vehicle service manual or your local authorized ARB installer for more information.





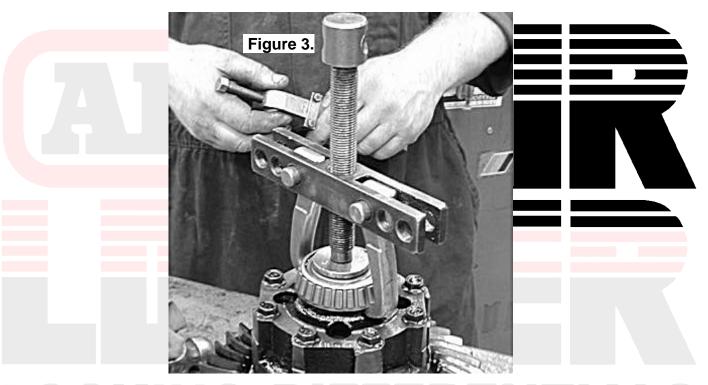
Rotate the differential center 90° and measure again for accuracy.

Record the average of all measurements.



Removing the differential carrier Remove the adjuster nut locking tabs. Remove the bearing caps. Loosen the adjuster nuts. Carefully remove the differential carrier from the housing. Remove the tapered roller bearings from the differential carrier with a bearing puller. (Fig.3.)

HINT: Check the condition of the bearing for wear and replace if necessary.



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3.1 Mounting the Ring Gear	
Remove the bolts that hold the ring gear in place.Using a plastic or copper hammer, tap in a circle around the ring gear to separate it from the differential carrier.	
Thoroughly clean any thread locking compound or other foreign matter from the holes of the ring gear, the threads of the ring gear bolts, the mating surfaces of the ring gear and the Air Locker flange.	
HINT: Rubbing the ring gear mounting face with a flat oil stone before installation will remove any high spots around the threads.	
Heat the ring gear to between 30 and 150000075 - 2 12000000000000000000000000000000000	
prematu. Frailulus	
☐ Dry the gear and the describe company sector (from the land) ☐ Apply a thin film of high-pressure grease to the ring gear shoulder of the Air Locker to prevent seizing.	
☐ Install the ring gear onto the Air Locker by aligning the tapped holes and then gently tapping it around in a circle with a soft mallet or hammer. Avoid using the bolts to pull the ring gear down as this puts excess strain on the bolts and the differential flange.	
Apply a thread locking compound to the thread of each ring gear bolt before inserting it. Do not apply locking compound directly into the threaded hole as this could prevent the bolt from reaching its full depth.	
NOTE: On some models, the crown wheel bolts cannot be reused and should therefore be replaced. Refer to your vehicle manufacturer's service manual for details.	
☐ Tighten the ring gear bolts in a star pattern with a torque wrench (Fig.4.) set to your vehicle manufacturer's specified torque.	





3.2 Drilling and Tapping the Bulkhead Port

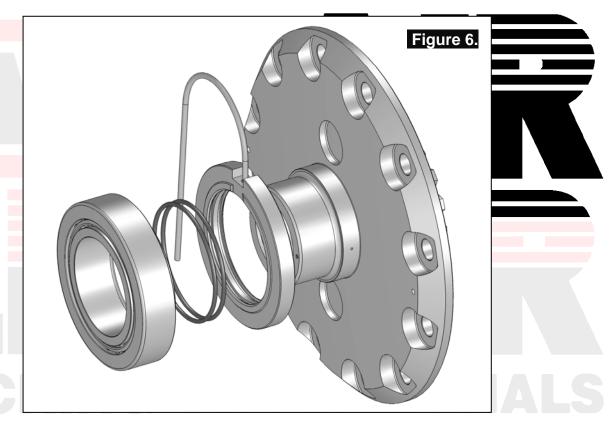
An air line port must be drilled and tapped through the differential housing to mount the bulkhead fitting into.

Mark a spot on the top of the outside of the differential housing that will be clear of the Air Locker once the seal housing tube has been installed. (Fig.5.)



Cover the drive pinion and axle tube areas with a rag to protect them from metal filings.
Drill an 11.2mm [7/16"] diameter hole through the differential housing square to the outside surface.
Tap the hole from the outside using ¼"NPT thread tap.
Remove any sharp edges that may chip off from around the hole and fall into the housing.
Very carefully, remove the rags and inspect with a service light inside the housing to ensure no metal filings are left behind.

3.3 Assembling the Seal Housing



Make sure the grooves and airway of the seal housing are clean
and free from any contaminants (e.g. water, dirt, metal filings, etc.).

- ☐ Inspect the seal housing O-rings (supplied) for dirt, damage or other conditions which might cause leaks.
- Generously lubricate the O-rings with oil prior to assembly, then insert them into the grooves of the seal housing.

NOTE:

When assembling the O-rings, be careful not to leave them twisted when seated in the grooves as this could cause excessive wear and leakage.

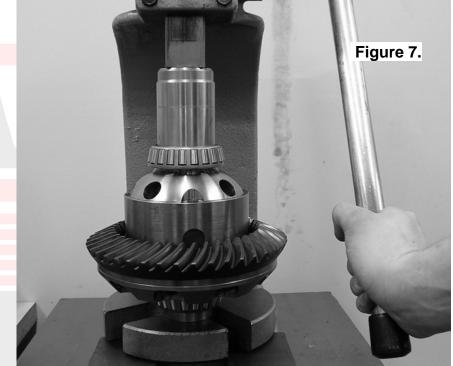


Lubricate the seal housing running surface on the *Air Locker* carrier with oil.

☐ Carefully install the seal housing by sliding it all of the way onto the seal housing journal with a gentle twisting motion. This will allow the O-rings to engage gently (Fig. 6.).

3.4 Installing the Carrier Bearings

Apply a thin film of high pressure grease to the bearing journals of the *Air Locker*, then press the bearing cones onto the bearing journals as shown in Figure 7.



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3.5 **Setting the Backlash** Assemble the bearing cups onto the *Air Locker*. \neg Loosen the adjuster nuts in the housing so that they are as far apart as possible. Insert the *Air Locker* into the housing and rotate it until it is fully in mesh with the pinion gear, with the seal housing tube pointing straight out of the housing. Hand tighten both adjuster nuts against the *Air Locker* until only a small amount of backlash can be felt. Install the bearing caps (use the markings from Section 2.4 to determine which side is which), ensuring to install the seal housing retaining bracket, and hand tighten all bearing cap bolts lightly. eth as Set a depth indic \mathbf{f} the ring \mathbf{c} Figure 8. While supporting the suppor by ho ge the differential in b ction while l tŀ variation in depth f tor ď the lowest value) efe backlash. Rotate the differential center 90° and measure again for accuracy Figure 8.

Refer to your vehicle service manual for the specified maximum and minimum amounts of backlash.



3 Installing the A	r Locker			
Adjust the backlash under the adjuster notes manual.)	•		-	ce
Recheck backlash as backlash is within the	•	•	edure until	
It is critical to set un installed. Improper principles in increased stresses in noise, and ulting	re-load will re the differenti	load when a sult in undu al center, ind	e bearing wea creased runnir	r,
Set pre-load by tighted from the crown whee service manual.	_			way
Tighten the bearing e	•	torque wiend	ch to me torque	
☐ Install locking tabs		Caus.		



Setting up the Bulkhead Fitting 3.6 Apply thread sealant to the threads of the bulkhead body. Screw the bulkhead body into the tapped hole, and tighten. outside of the housing). Without using sharp, jagged tools such as pliers (your hands are the best tool for this job), bend the seal housing tube to approximate the finished profile. This will allow the tube to be trimmed to a length that would allow it to protrude from the bulkhead fitting. (Fig. 9.) NOTE: Use an automotive brake line tubing cutter to cut the never a hackeaw as this will leave metal filings in the syster

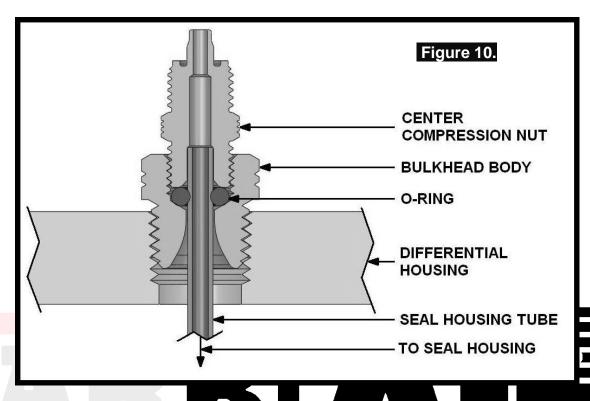


bulkhead. From the outside of the housing, assemble the small O-ring over the top of the short length of seal housing tube protruding through the bulkhead fitting. the small drilled end of the center compression nut over the extended tube as shown in the assembly diagram (Fig. 10.), and

screw it into the bulkhead body, and lightly tighten.

From the inside of the housing, insert the trimmed tube into the





NOTE: Excess in of the property of the compression but the second of the compression but

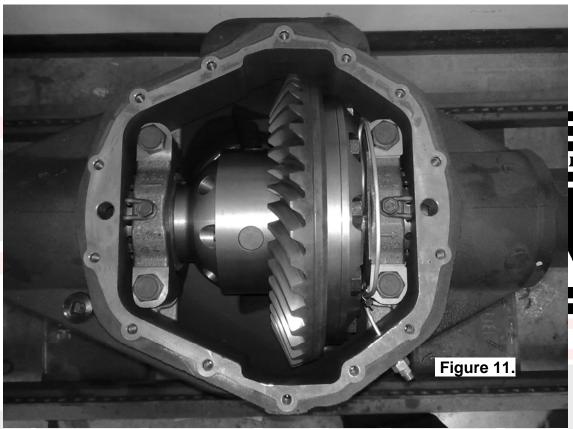
Make sure the seal housing tube is all of the way into the center compression nut while you are tightening

LOCKING DIFFERENTIALS



3.7 Profiling the Seal Housing Tube

- ☐ With the seal housing tube now firmly secured into the bulkhead fitting, bend the tube so that it closely follows the profile of the differential. Cable tie the seal housing tube to the seal housing retaining plate. (Fig.11. & 12.).
- Check that the contour of the tube will not interfere with the bearing caps, the *Air Locker*, the ring gear or the axle housing.







3.8 **Bench Testing the Air Locker** To test the *Air Locker*, when 620kPa [90 PSI] shop air is applied to the seal housing tube, the Air Locker should engage. Check all fittings and the seal housing for air leaks. Rotate the differential carrier by turning the pinion flange whilst applying air pressure. NOTE: An accurate way to test for air leaks is to fit a shut-off valve to an air pressure gauge (Available as ARB part #ALTG01). Charge with shop air until 620 KPA [90 PSI] is reached, shut the valve off, disconnect the air hose, and watch to see if there is any drop in pressure. Any gradual processor indicates an air leak use. Figure 13. If a leak is found to be present, spray a soap and water mixture onto the bulkhead air fitting. Bubbles should appear at any leak points. Do not spray this soapy mixture inside the differential. NOTE: Check that leaky fittings have been adequately tightened. Disassemble, clean threads, and reapply thread sealant if leaking persists. If a leak is found at the seal housing, carefully remove and refit. Be very careful with the O-rings and check they have not been



damaged during installation.

3.9 Rei	nstalling Differential and Axles			
Install the axles and cover plate as detailed in your vehicle service manual.				
NOTE:	Be careful not to damage the axle shaft oil seals when installing the axle. Support the axle's entire weight where possible.			
☐ Torque	down the axle bolts to manufactures specifications.			





4.1 Mounting the Solenoid

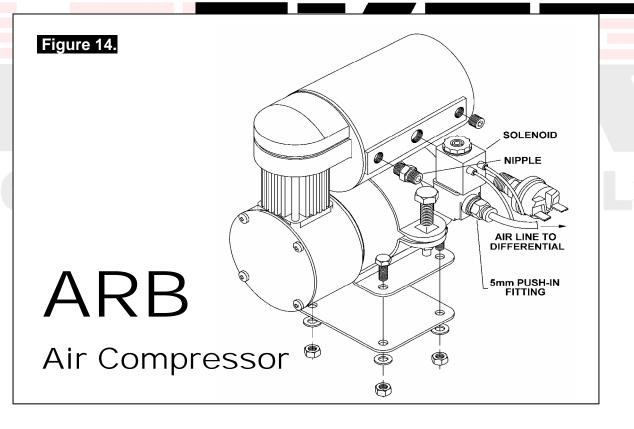
4.1.1 Connection to an ARB Air Compressor (Fig.14.)

Remove one of the 1/8" BSP plugs from its port in the compressor tank.
Apply Teflon paste to the nipple (1/8" X 1/8" BSP) and insert it into the port and tighten.
Apply Teflon paste to the free end of the nipple.
Assemble the inlet port side of the solenoid (stamped with a '1') onto the nipple and hand tighten it. The solenoid should be rotated into a position that does not obstruct any other ports on the compressor tank.

NOTE:

The solengist exhaus compressed air through the center of the kill aining cap when the Air Locker is disenged what sure the care constructed by the care of the ca

Apply Teflon paste to the three solutions of stampes of stampes of stampes.





4.1.2 Connection to an Alternate Air Source

For ease of installation, quality of air supply, and a high level of

dependability from your Air Locker(s), ARB strongly recommends use of a genuine ARB Air Compressor, however, the Air Locker air system can be operated on any alternate air source that meets each of the following guidelines: Must supply a minimum of 586 kPa [85 PSI]. The supply must never exceed 724 kPa [105 PSI]. The air source should have a tank capacity which enables it to actuate the Air Locker(s) in one charge so that no hesitation is experienced when locking one or two differentials. HINT: A good way to insur hat you∎ capacity i e you<u> can engag</u>e, <u>aisem</u> and then r Air Cocker(S) without tr source hav erate compres to

Must match the 170 Dor porting or the Air Locker sciencia

Mount solenoid within close proximity of the air supply and secure it from the effects of vibration and shock.

ust.

Connect the air supply to the 1/8" BSP inlet port of the solenoid (stamped "1" on the solenoid body) using thread sealant.

IMPORTANT:

ARB cannot warrant your *Air Locker(s)* against damage caused as a result of using an alternate air supply. If you have any doubts as to the suitability of your air system to use in an *Air Locker* system, consult your ARB distributor.



Must supply clea

matter.

4.2 Running and Securing the Air Line

The path taken by the air line from your air source (i.e., compressor) to your <i>Air Locker</i> is unique to your vehicle and the position of your air source. Plan ahead carefully when running the air line and always follow these guidelines:
 Account for axle travel when running the line from the axle to a fixed point on the vehicle. Leave enough slack in the air line to allow for maximum suspension travel in both directions. Avoid leaving large lengths of air line hanging underneath the vehicle where they may get tangled on rocks, sticks, etc.
HINT: Cable tying the air line to one of your flexible lead. lines will account a explete traver and should need keep.
Run the air line all set of the complications that may arise it line are recommondated by the complications that may arise it line are recommondated by the complications that may arise it line are recommondated by the complications that may arise it line are recommondated by the complications that may arise it line are recommondated by the complications that may arise it line are recommondated by the complications that may arise it line are recommondated by the complex of the compl
Make sure the ling ontage pedge to yet surfaces that may damage the air line over time. Do not run the air line around tight period that may kink the air line and restrict or block the air flow.
 ☐ Keep the air line well away from your vehicle's exhaust components. Air lines will melt if subjected to extreme heat. ☐ Do not run more air line than necessary. Excess line volume
created when coiling the left over hose, using unusually large diameter hose, etc., will increase drain on the compressor tank resulting in the compressor running more often than needed. Support the air line by tying it back with cable ties wherever
possible. At the solenoid end of the air line, trim the line to length with a sharp knife.
☐ To attach the air line to the push-in fitting of the solenoid; insert the line firmly into the fitting, pull outward on the flange of the fitting while holding the line as far into the fitting as possible, and then gently pull outward on the air line to clamp the line in place.



NOTE:

To remove the air line from the push-in fitting; pull outward on the flange of the fitting, push the air line as far into the fitting as possible and hold, push inward on the flange, and then pull the air line free of the fitting.

4.3 Connection to the Bulkhead Fitting

☐ Trim the air line to length using a sharp knife.

☐ Insert the support spring over the end of the air line - small end first. (Fig.15.)

Insert the outer compression nut over the air line.

] Push the airline onto the barb on the cen<u>ter co</u>mpres<u>sion n</u>u<u>t,</u>

ensuring that it is





SUPPORT SPRING

OUTER COMPRESSION

CENTER COMPRESSION NUT

HINT:

If the tube is too difficult to push on, place the end of the air line into a cup of boiled water to soften the tubing.



✓ Installing the Air System ✓ Screw on the outer compression nut and tighten, while supporting the center compression nut with a 3/8" spanner. The airline is now attached to the center compression nut. NOTE: The outer compression nut will tighten against a stop. Over tightening will not create a better seal. ✓ Assemble the support spring over the outside of the outer compression nut. ✓ Secure any loose sections of tube with a cable tie.



ARB

5.1 Mounting the Actuator Switch(es)

Air Locker actuator switch(es) can be easily panel mounted inside the vehicle in a 21mm x 36.5mm [0.83" x 1.44"] rectangular cutout.

NOTE: Only attach the cover plate to the face of the switch once the switch has been mounted and wired correctly as the cover plates are designed to be difficult to remove.

For reasons of safety and for ease of operation, the *Air Locker* actuator switch(es) should be mounted in a location picked to best suit the operator. Make sure you have taken the following points into consideration:

Switch(es) MUST be mounted and should never be allowed to simply dangle from the same community with the use.	
Switch(es) should a reach of the driver. Ideally any a reach of the driver.	
Switch(es) should be seed withing the so that switch position ('ON' OFF Company of the seed of the see	
by the rocker pos	
The position of the control (3) and d become of the passengers.	
Switch cutout position(s) must be located in an area with a minimum of 50mm [2"] of clearance behind the face of the cutout.	
Switch(es) should not be mounted where they will be exposed to water (e.g., in the lower section of an inner door panel).	
ARB recommends that you apply the <i>Air Locker</i> Warning Sticker (ARB part # 210101) within close visual proximity of the switch	
location.	

NOTE:

If no adequate position can be found on existing dashboard panels, a surface mounted bracket (Fig. 16.) may be purchased from your ARB *Air Locker* distributor to suit 1, 2, or 3 switches.



Figure 16.



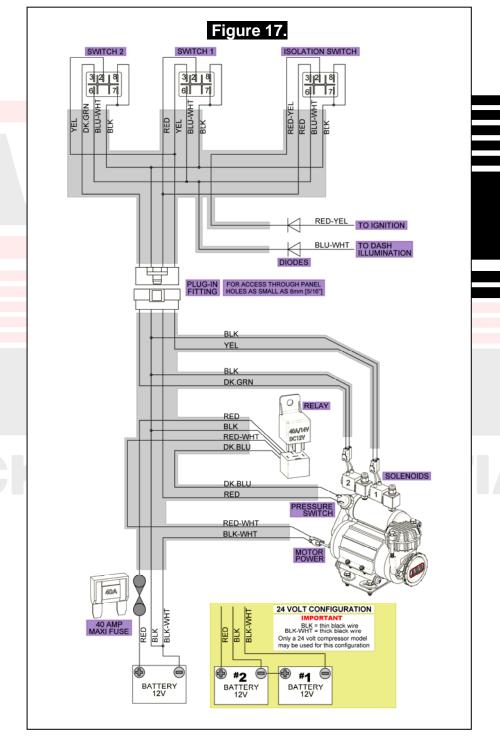
5.2 Wiring the Actuator System

5.2.1 Connection to an ARB AIR COMPRESSOR

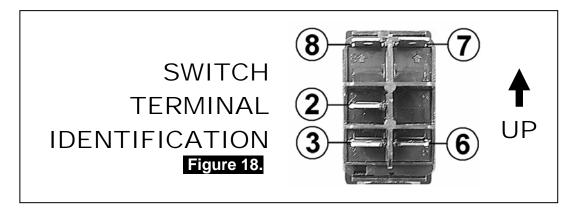
When wiring the *Air Locker* actuator switch(es) and solenoid(s) to an ARB Air Compressor, all connections can easily be set up directly from the supplied wiring loom. (Fig.17.)

NOTE:

180409 model loom shown for reference only. Refer to your ARB Air Compressor Installation Guide for details on configuring your installation.







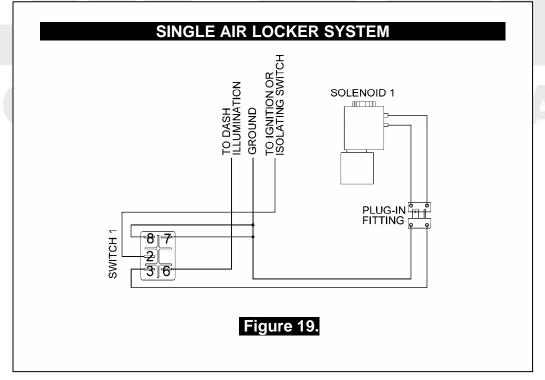
5.2.2 Connection to an Alternate Air Source

When connecting the actuation switch to an alternate air source, the switch(es) should be wired according to figures 19. and 20. depending on whether one or type of the form will be installed in the venicle.

5.2.2.1 Single Ainhacker stem

- If only one *Air Loci* be it talled in the sem, the wind solenoid should be ed co ng to be instructed in the sem, the wind the whicle.
- Attach the appropriate switch cover (i.e., 'FRONT' or 'REAR') to the switch.

NOTE: Refer to figure 18. for the correct switch terminal identification and switch orientation.



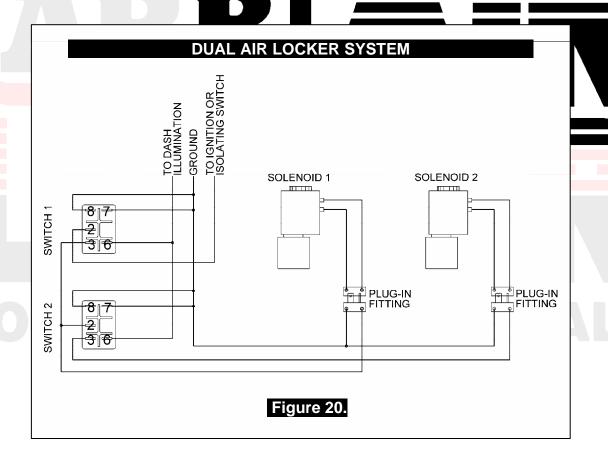


5.2.2.2 Dual Air Locker System

- ☐ If two Air Lockers are to be installed in the system, ARB recommends that the switches and solenoids be wired according to figure 20. For safety reasons, this configuration allows SOLENOID 2 to be actuated only if SOLENOID 1 is already on.
- Attach the "REAR AIR LOCKER" switch cover to SWITCH 1, and the "FRONT AIR LOCKER" switch cover to SWITCH 2.

NOTE: Refer to figure 18. for the correct switch terminal identification and switch orientation.

Configure SOLENOID 1 as the air line leading to the rear axle Air Locker, and SOLENOID 2 as the air line Locker.





Leak Testing 6.1 With the vehicle parked and the engine off, turn the compressor on and wait until the air system is fully charged. NOTE: With the Air Locker(s) disengaged, the air source (i.e., compressor) should not have to recharge over time. Intermittent recharging without Air Locker use usually indicates a leak at the solenoid fittings or at the compressor tank O-ring seal. Actuate the *Air Locker*(s). The compressor should not come on again for a period of at least 15min. Air system recharging within that eriod v that a leak is press tem. NOTE: If an alter ce (e.g., an an cylinae driven ai ed in air systa be gauge and a snutsolenoi If a leak is found to be present correy a coop and water onto all air fittings in the system while the compressor is fully charged. Bubbles should appear at any leak points. Check that leaky fittings have been adequately tightened. Disassemble, clean threads, and reapply thread sealant if leaking persists. **Testing the Air Locker Actuation** 6.2 To test that your air system, electrical system, and your *Air Locker* differential is functioning correctly: Support the vehicle such that the wheels are free to rotate (e.g., on axle stands, a chassis hoist, etc.) Leave the parking brake off, the transmission in neutral, and the Air Locker switch 'OFF'. Turn the ignition to the 'ON' position (leaving the motor off). The large illuminating symbol on the Air Locker switch cover should be 'OFF'.

Testing & Final Assembly



Turn the compressor (or alternate air source) on to charge the air supply up to its maximum pressure.
Rotate one wheel by hand.
The wheel should rotate freely and the opposite wheel should be turning in the opposite direction without any resistance or mechanical noise from within the differential.
Turn the Air Locker switch to the 'ON' position. The illuminated symbol on the switch cover should light up.
☐ Rotate the same wheel again.
☐ Both wheels should rotate together.
☐ Turn the switch off again.
Rotate the same wheel.
☐ The wheels shou
6.3 Filling the Differential
NOTE: Consult A Ai och & c h b t
specific
Refill the differential and level with the filler ridge.
Rotate the differential center 2 full turns.
Check the oil level and add oil if necessary.
Apply thread sealant to filler plug before inserting.
Replace the filler plug.
☐ Clean the differential housing of any oil or grease that may collect dirt or other abrasive particles.

Testing & Final Assembly



6 Testing & Final Assembly

6.4 Post-Installation Check List
Now that the <i>Air Locker</i> installation has been completed, ARB recommends that you take the time to complete the following check list just to insure that you haven't missed any of the vital steps.
☐ The air system has been leak tested.
☐ Thread locking compound was used on the ring gear bolts.
All torque settings comply with the vehicle manufacturer's specs and were set with an accurate torque wrench.
Differential fluid complies with ARB recommendations and has been filled to the correct level
☐ All air lines and wii
Switch(es) function and illuminate to indicate that Air Locker(s) are engaged.
All operators who are to use the Air Locker have read, and fully understand the ARB Air Locker Operating & Service Manual.
The Air Locker Warning Sticker has been located within close proximity of the actuator switch(es).
INSTALLATION PERFORMED BY:
DATE OF INSTALLATION:



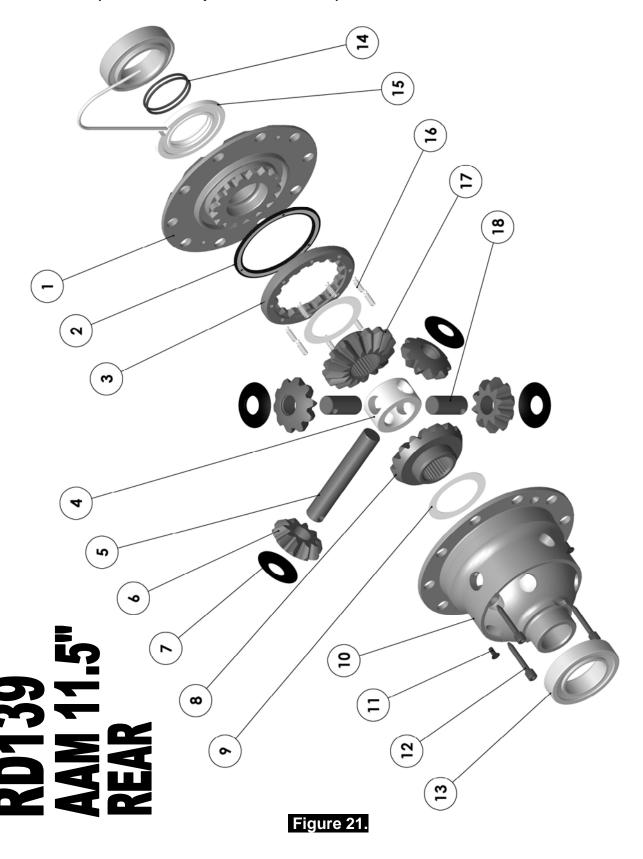
ODOMETER READING:

ARB AIR LOCKER SERIAL No.:

7 Parts List

7.1 Exploded Assembly Diagram

(See itemized parts list overleaf)





7 Parts List

7.2 Itemized Parts List

(See exploded diagram Figure 21.)

AIR LOCKER MODEL No.: RD139				
ITEM#	QTY	DESCRIPTION	PART#	
01	1	FLANGE CAP ASSEMBLY	028603	
02	1	BONDED SEAL	160703	
03	1	CLUTCH GEAR	050807	
04	1	SPIDER BLOCK	070402	
05	1	LONG CROSS SHAFT	061501	
06	4	PINION GEAR	728K011**	
07	4	PINION THRUST WASHER	151113	
08	1	SIDE GEAR	728K011**	
09	2	SIDE GEAR THRUST WASHER	151007	
10	1	DIFFERENTIAL CASE	013203	
11	2	COUNTERSUNK SCREW	200214	
12	3	RETAINING PIN	120601	
13	-	TAPERED ROLLER BEARING	NOT SUPPLIED	
14	2	SEAL HOUSING O-RINGS	160246	
15	1	SEAL HOUSING ASSEMBLY	082102	
16	8	RETURN SPRINGS	150107	
17	1	SPLINED SIDE GEAR	728K011**	
18	2	SHORT CROSS SHAFT	061601	
*	1	BULKHEAD KIT, O-RING TYPE, 3.5-5mm	170111	
*	1	5mm PUSH-IN FITTING (RI 5 1/8")	170201	
*	1	NIPPLE, 1/8" BSP, MALE TO MALE	170501	
*	1	NYLON AIR LINE (5mm Dia X 6m long)	170301	
*	1	SOLENOID VALVE	180103	
*	1	ON/OFF SWITCH	180209	
*	1	SWITCH COVER 'REAR'	180211	
*	10	CABLE TIE	180301	
*	1	WARNING LABEL	210101	
*	1	BUMPER STICKER	210102	
*	1	OPERATING & SERVICE MANUAL	210200	
*	1	INSTALLATION GUIDE	2102139	

^{*} Not illustrated in exploded view.



ARB PERFORMANCE CLUTCHES TRANSMISSION AND DRIVETRAIN

^{**} Available only as complete 6 gear set