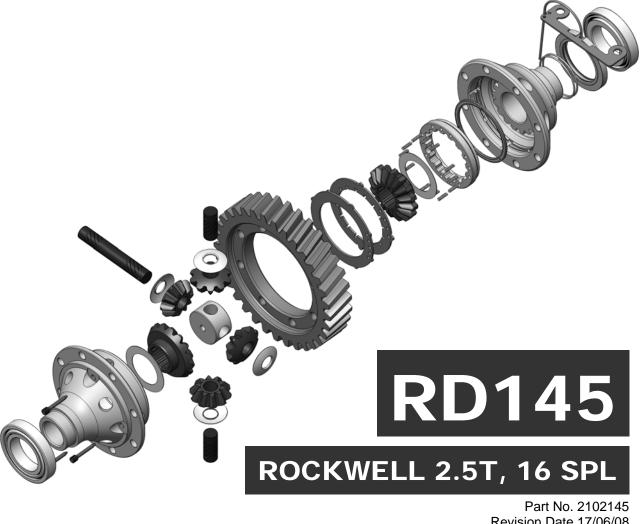


AIR OPERATED LOCKING DIFFERENTIALS

INSTALLATION GUIDE



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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 updated regularly as new model information becomes available, however, the rapid and globally varied release of some vehicles makes it difficult to insure that your vehicle model has been accurately accounted for. In the case of any technical discrepancies between this guide and your service manual, we strongly advise that you adhere to the specifications and techniques as documented in your service manual.

Although your ARB Air Locker comes complete with all the step by step instructions you will need to supplement your vehicle 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!



Introduction

1.2 Tool-Kit Recommendations

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

1.2.1 **Tools**

Standard automoti	ve sizes	(metric a	and/or	imperial)	of sockets,
wrenches, Alan ke	ys, and	drills.			

- A standard automotive feeler gauge.
- A razor knife to cut the nylon tubing.
- An adjuster-nut wrench. (See your vehicle service manual)
- A torque wrench. (See vehicle service manual for required torque range.)
- A lubricant drain reservoir.
- A 11.2mm [7/16"] drill and ¼" NPT tap for bulkhead fitting installation.
- An automotive bearing puller (2 jawed is recommended) or a differential carrier bearing puller.
- A bearing press or arbor press.

1.2.<mark>2 Supplie</mark>s

- Thread lubricant/sealant compound for pressure fittings (e.g., LOCTITE #567 Teflon paste)
- Thread locking compound (e.g., LOCTITE #272)
- Either a replacement gasket, or gasket sealant, for your differential cover.
- 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 Removing the Existing Differential

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.
- 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

- HINT : This is a good time to check for metal particles in your oil, on your drain plug, or in the bottom of the housing which may indicate a worn bearing or differential component.
- Clean around the drain plug and differential housing to prevent dirt from entering the differential.
- Position a fluid drain reservoir under the differential, remove the drain plug and completely drain all differential oil from the housing.

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Removing the Axles 2.3 **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. Remove the wheels, and both axle shafts according to your vehicle manufacture'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. Disconnect the drive shaft from the flange of the differential. Remove the third member from the differential housing. Refer to your vehicle's service manual. Marking the Bearing Caps 2.4 Using a 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.) HINT : Many installers choose to make one punch mark on the left hand side of the left hand bearing cap and one similar punch 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 punch marks on the housing. Figure 1.



2 Removing the Existing Differential

2.5 Removing the Differential Carrier

Remove both adjuster nut locking tabs.

Loosen both bearing caps.

Using the appropriate adjuster nut wrench, loosen the adjuster nuts at least half a turn.

Remove the bearing caps.

Carefully remove the differential carrier.

NOTE : The differential carrier is heavy and quite difficult to handle when covered in oil. Take care not to drop it.

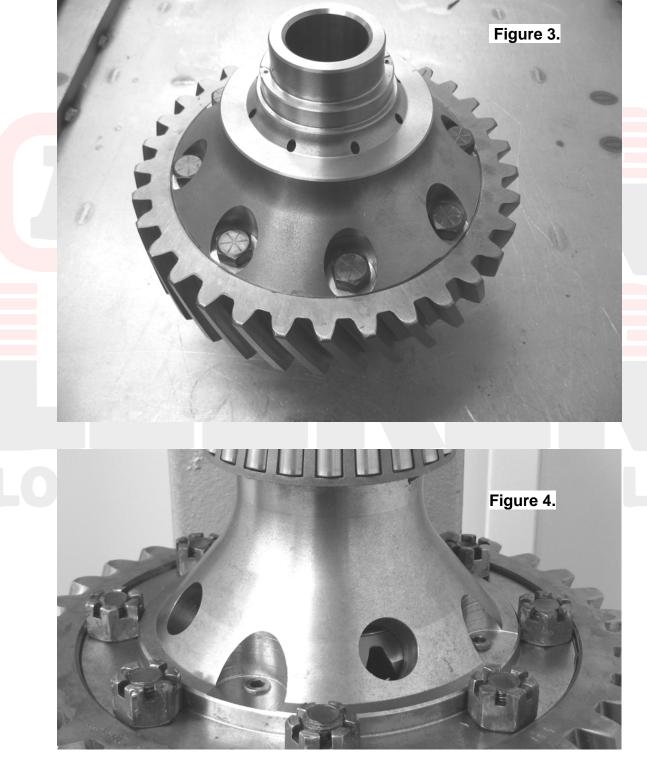




3.1	Re-Mounting the Ring Gear
□ F	Remove the bolts that hold the ring gear in place.
(Jsing a plastic or copper hammer, tap in a circle around the ring gear to separate it from the two halves of the original differential carrier.
	Cut the cable ties holding the two halves of the <i>Air Locker</i> together and separate the case and flange cap.
	Apply a thin film of high pressure grease to the outside diameter on he case of the <i>Air Locker</i> to prevent seizing.
r r	Thoroughly clean any thread locking compound or other foreign matter from the holes of the ring gear, the threads of the ring gear oolts, and the mating surfaces between the ring gear and the <i>Air Locker</i> flange.
7 V	Heat the ring gear to between 80 and 100°C [175 - 212°F] in hot water or in an oven to slightly expand the gear and facilitate assembly.
NC	DTE : NEVER HEAT GEAR <mark>S</mark> WITH A FLAME! This could
	damage the hardened surface of the gear and result in premature wear or failure.
	Dry the gear and bolt holes with compressed air (if wet).
	nstall the ring gear onto the case of the <i>Air Locker</i> by aligning the polt holes and then gently tapping it around in a circle with a soft mallet (Figure 2.).
	Figure 2.



- Apply a thin film of high pressure grease to the ring gear diameter of the flange cap and install the flange cap into the ring gear.
- Apply a thread locking compound to the thread of each ring gear bolt before inserting into the *Air Locker*.
- Install the nuts and tighten the ring gear bolts in a star pattern with a torque wrench according to your vehicle manufacturer's specified torque (Figure 3.). The nuts will be held captive by the machined face on the case (Figure 4.).

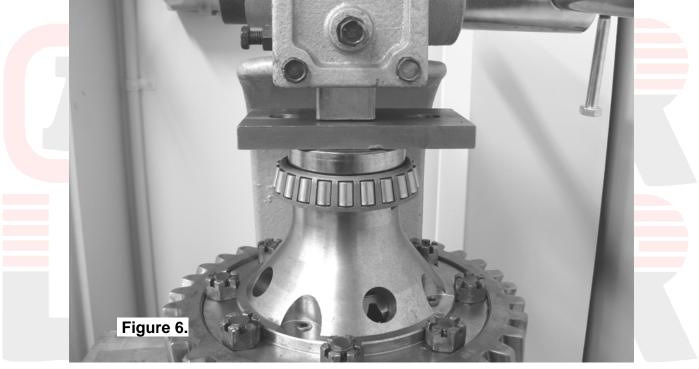




3.2 Ass	embling the Seal Housing	
	ure the grooves and airway of the seal housing are clean e from any contaminants (e.g. water, dirt, metal filings, etc.).	
	the seal housing O-rings (supplied) for dirt, damage or onditions which might cause leaks.	
	ously lubricate the O-rings with oil prior to assembly, then nem 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. te the seal housing running surface on the <i>Air Locker</i> carrier	
with oil.		
	ly install the seal housing by sliding it all of the way onto the using running surface with a gentle twisting motion.	
NOTE :	A twisting motion (i.e., a slight rotation while pressing the seal housing on) will allow the O-rings to engage gently and prevent them from twisting. Twisted O-rings will result in pre-mature O-ring wear and oil contamination in the air system due to the helical shape formed by the O-ring mould line.	
	<image/> <image/>	
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3.3 Installing the Carrier Bearings

- ☐ If the tapered roller bearings from the original differential carrier are to be reused, then remove them with an automotive bearing puller and inspect them for damage and/or wear and replace them if necessary.
- Apply a thin film of high pressure grease to both bearing journals of the *Air Locker* to prevent seizing.
- Using a bearing press or arbor press, press one of the bearing cones onto the *Air Locker* bearing journal, with the seal housing in place, until the bearing seats firmly against the bearing journal shoulder. (As shown in Figure 6.)



Invert the Air Locker and press the other tapered roller bearing cone onto the opposite bearing journal of the differential carrier until the bearing seats firmly against the bearing journal shoulder.

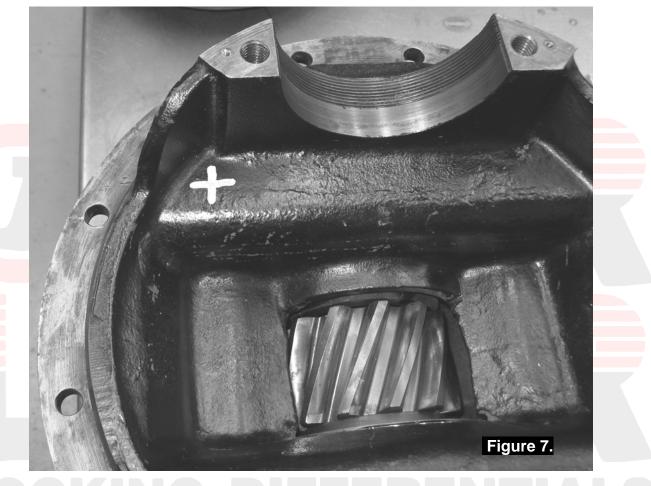


3.4 Drilling and Tapping the Bulkhead Port

An airline port must be drilled and tapped through the axle housing casting to mount the bulkhead fitting into.

Cover the worm gear area with rags to protect from metal filings.

Mark a spot on the axle housing casting in the position shown in Figure 7.



Drill through the housing square to the inside surface using a 11.2mm [7/16"] drill.

] Tap the hole from the outside using a ¼" NPT pipe tap.

Remove any sharp edges from the hole that may chip-off and fall into the housing.



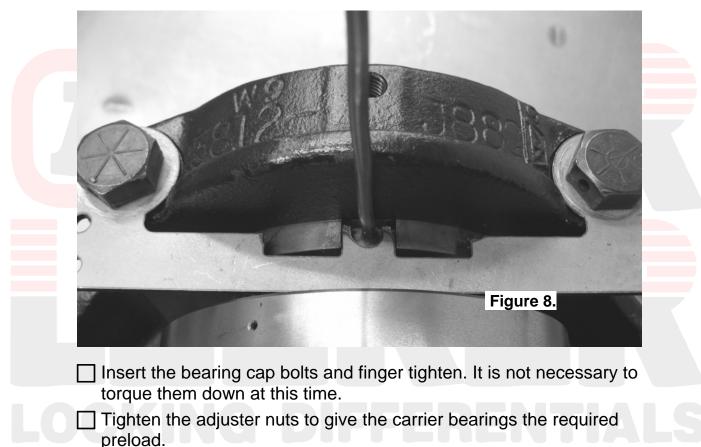
3.5 Final Air Locker Assembly

Reinstall the *Air Locker* into the axle housing.

Install the bearing caps oriented as they were marked before they were removed.

Rotate the seal housing so the slot and the tube are pointing straight out of the axle opening. Then install the seal housing bracket with the tab locating in the slot as shown in Figure 8.

NOTE : Washers are to be left off the seal housing side bearing cap bolts.



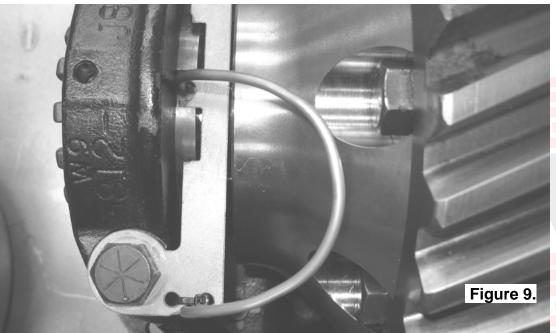


3.6 Profiling the Seal Housing Tube

☐ Without using sharp, jagged tools such as pliers (your hands are the best tool for this job), gently bend the seal housing tube so that it runs in a loop beside the flange cap and out through the tapped bulkhead port as shown in Figures 9., 10., and 11.



It is a good idea to cable tie the tube to the seal housing bracket to keep it from contacting anything inside the housing.









3.7 Setting Up the Bulkhead Fitting

Trim the seal housing tube that is extended through the bulkhead port to approximately 8mm [5/16"] long using an automotive brake line tubing cutter.

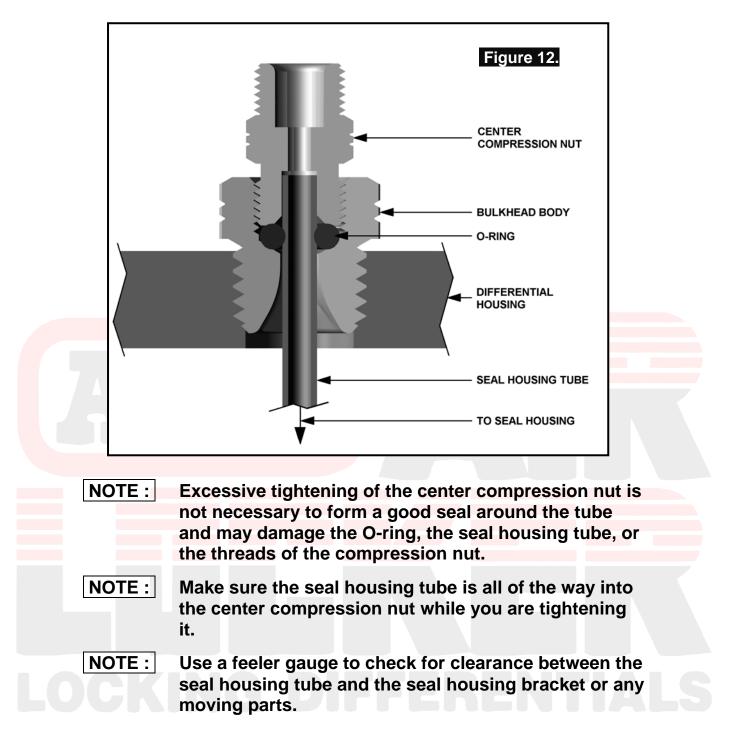
NOTE : Never use a hacksaw to cut the seal housing tube as this will leave metal filings in the air system.

- Apply thread sealant to the threads of the bulkhead body.
- Screw the bulkhead body into the tapped hole, and tighten.
- Wipe the area clean of any excess thread sealant (inside and outside of the housing).
- 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.
- While holding the seal housing tube into the bulkhead fitting, insert the small drilled end of the center compression nut over the extended tube as shown in the assembly diagram (Fig.12.), screw it into the bulkhead body, and lightly tighten.

NOTE :

Be sure to insert the correct end of the center compression nut into the bulkhead body. The thread has been partially relieved on the bulkhead side of the center compression nut to visually identify its orientation. (Fig.12.)







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 pressure drop indicates an air leak. (Fig.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.

NOTE : Do not spray this soapy mixture inside the differential.

- 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 Reinstalling the Differential and Axles

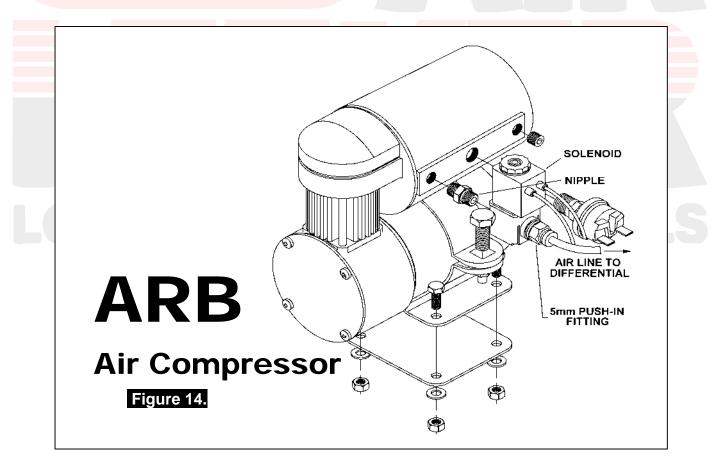
Reinstall the differential and axles as per your vehicle manufacturers service manual.



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 manifold.
- 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 tighten. The solenoid should be rotated into a position that does not obstruct any other ports on the compressor manifold.
- NOTE :
- The solenoid exhausts compressed air through the center of the black retaining cap when the *Air Locker* is disengaged. Make sure this orifice cannot be obstructed.
- Apply Teflon paste to the threads of the 5mm push-in fitting and assemble it into the solenoid outlet port (stamped "2") and tighten.





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 85PSI [586kPa].
- The supply must never exceed 105PSI [724kPa].
- The Air source should have a tank capacity that 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 insure that you have the necessary capacity is to make sure you can engage, disengage, and then reengage your *Air Locker*(s) without the air source having to regenerate (e.g., without the compressor turning on to refill the tank).
 - Must supply clean air, free of rust, dirt, water, or other foreign matter.
 - Must match the 1/8" BSP porting of the *Air Locker* solenoid.
 - Mount solenoid within close proximity of the air supply and secure it from the effects of vibration and shock.
- 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.



4.2 Running and Securing the Air Line

The path taken by the air line from your air source (i.e., compressor) to your *Air Locker* 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.
(Not necessary on IFS installations)

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 brake
	lines will account for axle travel and should help keep
	your line from getting snagged.

_	Run the air line all the way from the compressor to the differential
	before trimming either end of the line to length. This will save
	complications that may arise if the air line has to be removed.

Make sure the line does not contact sharp edges or abrasive surfaces that may damage the air line over time.

Do not run the air line around tight bends which 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, always trim the line to length with a sharp knife to avoid distorting the tube where it plugs into the push-in fitting.

NOTE :

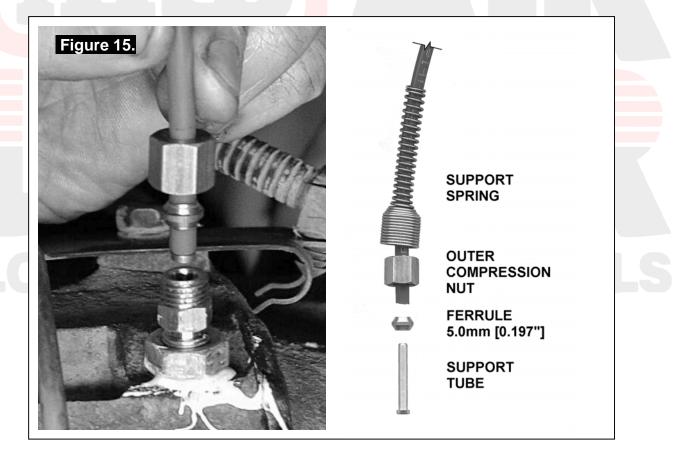
To remove the air line from the push-in fitting; while holding the flange of the fitting out, push the air line into the fitting as far as possible, then press the flange inward, then pull the air line free of the fitting.



☐ 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.

4.3 Connection to the Bulkhead Fitting

- In the case of an IFS axle assembly or in the case that the axle assembly has been completely removed from the vehicle, the assembly will have to be remounted in order to position the bulkhead fitting in its correct location for air line access.
- 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.
- Insert the 5mm [0.197"] ferrule over the end of the air line. Leave approx. 5mm of tubing between the ferrule and the end of the tube.



Insert the support tube all the way into the end of the air line.



- HINT : If the support tube is too difficult to insert, place the end of the air line into a cup of boiled water to soften the tubing.
- Insert the tube end all the way into the center compression nut.
- Screw on the outer compression nut and tighten. The ferrule and support tube are now permanently attached.
- Assemble the support spring over the outside of the outer compression nut.
 - Secure any loose sections of tube with a cable tie.





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 wiring loom during vehicle use.	
Cwitch(ac) should be within easy reach of the driver. Ideally, on	

Switch(es) should be within easy reach of the driver. Ideally, any *Air Locker* switch should be able to be operated without physical effort or distraction to the driver.

Switch(es) should be mounted within the line of sight of the driver so that switch position ('ON' or 'OFF') can be visually determined by the rocker position and the illumination state.

The position of the switch(es) should best eliminate any possibility of accidental operation by the driver or one 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 Air Locker 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.

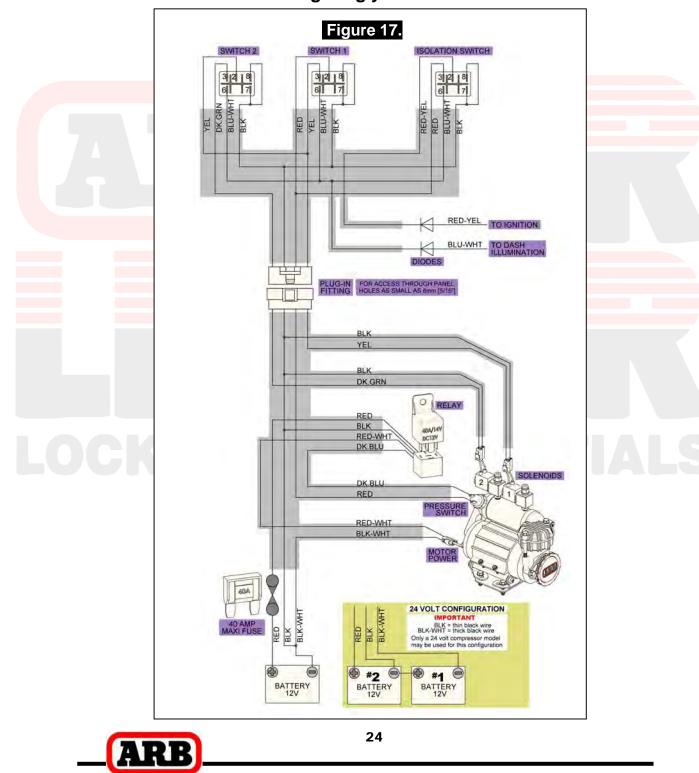


5.2 Wiring the Actuator System

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

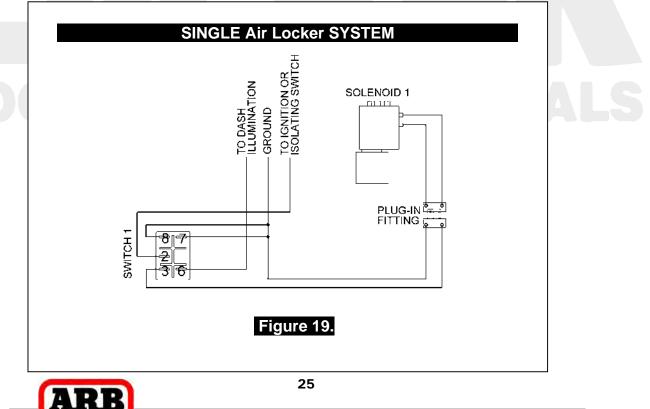
When connecting the actuation switch to an alternate air source, the switch(es) should be wired according to figures 19. and 20., depending on whether one or two *Air Lockers* will be installed in the vehicle.

5.2.2.1 Single Air Locker System

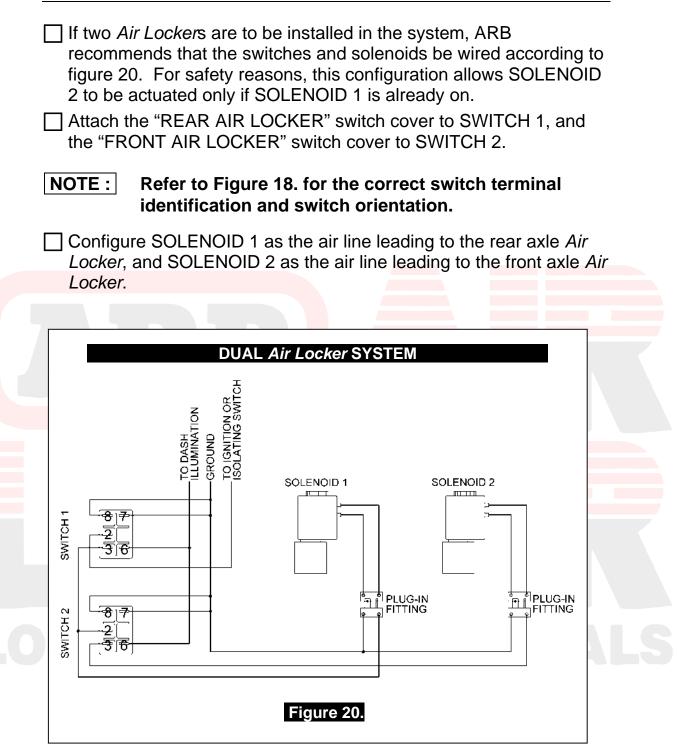
- ☐ If only one *Air Locker* is to be installed in the system, the switch and solenoid should be wired according to figure 19. regardless of whether the *Air Locker* has been installed in the front or rear axle of the vehicle.
- Attach the appropriate switch cover (i.e., 'FRONT' or 'REAR') to the switch.

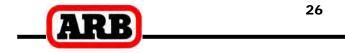
NOTE :

Refer to Figure 18. for the correct switch terminal identification and switch orientation.



5.2.2.2 Dual Air Locker System





6.1 Leak Testing

] 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 time period would indicate that a leak is present in the system.
- NOTE : If an alternate air source (e.g., an air cylinder or a belt driven air pump) is used instead of a compressor, the air system will have to be leak tested with a pressure gauge and a shut-off valve in series before the solenoid input.
- If a leak is found to be present, spray a soap and water mixture 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.

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6.2 Testing the Air Locker Actuation
To test that your air system, electrical system, and your <i>Air Locker</i> 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 <i>Air Locker</i> switch cover should be 'OFF'.
Turn the compressor (or alternate air source) on to charge the air supply up to its maximum pressure.
While supporting the drive shaft flange, 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 should again rotate in opposite directions.
6.3 Filling the Differential
NOTE : Consult the ARB Air Locker Operating & Service

Consult the ARB Air Locker Operating & Service Manual for recommendations on differential lubricant specifications.

- Refill the differential until level with the filler hole.
- Rotate the differential carrier 2 full turns.
- Check the oil level and add oil if necessary.
- Replace filler plug (apply thread sealant to filler plug before inserting if it is a threaded type plug).
- Wipe differential housing clean of any oil or grease which may collect dirt or other abrasive particles.



6.4 Post-Installation Check List

Now that the *Air Locker* 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.

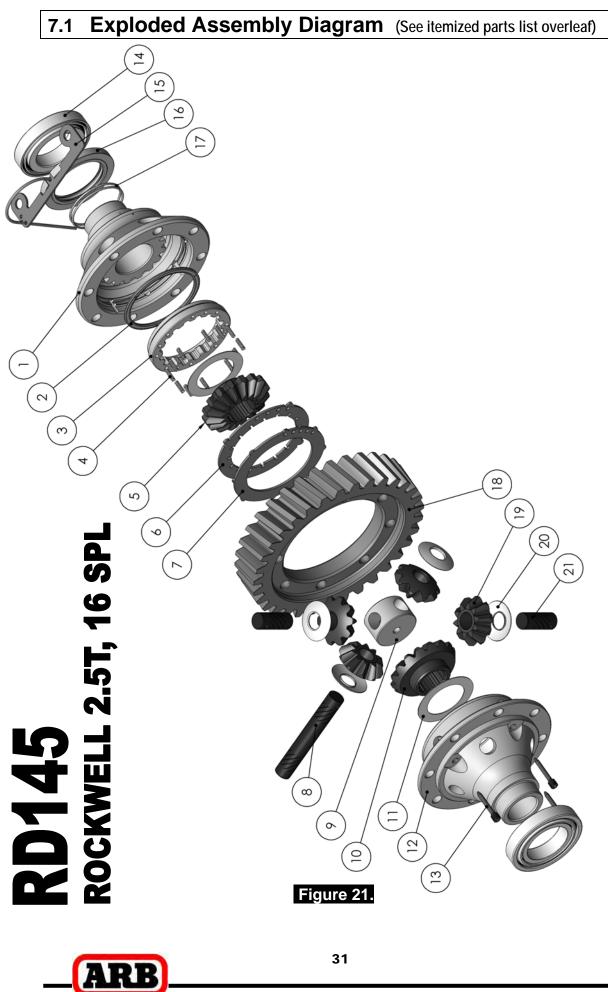
The air system has been leak tested.
Thread locking compound was used on the ring gear bolts.
All torque settings comply with the vehicle manufacturer's specs and were set with an accurate torque wrench.
Differential fluid complies with ARB recommendations and has been filled to the correct level.
Axle breather has been checked and found to be clear and free flowing, and located where it will not be susceptible to water or mud contamination.
All air lines and wiring have been securely cable tied to resist snagging.
Switch(es) have been securely mounted within operator reach, yet well away from danger of accidental engagement.
Switch(es) function properly 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:



CARB AIR LUIL KERENTIALS



Parts List



7.2 Itemized Parts List

(See exploded diagram figure 21.)

AIR L		KER MODEL No. : RD1	45
ITEM #	QTY	DESCRIPTION	PART #
01	1	FLANGE CAP ASSEMBLY	028602
02	1	BONDED SEAL	160703
03	1	CLUTCH GEAR	050807
04	12	RETURN SPRING	150107
05	1	SPLINED SIDE GEAR	131802H
06	1	RETURN SPRING GUIDE BRACKET	220207
07	1	RETURN SPRING SUPPORT BRACKET	220208
08	1	LONG CROSS SHAFT	061501
09	1	SPIDER BLOCK	070402
10	1	SIDE GEAR	131702H
11	2	SIDE GEAR THRUST WASHER	151007
12	1	DIFF CASE	013202
13	3	RETAINING PIN	120601
14	2	TAPERED ROLLER BEARING	NOT SUPPLIED
15	1	SEAL HOUSING BRACKET	220206
16	1	SEAL HOUSING ASSEMBLY	082102
17	2	SEAL HOUSING O-RINGS	160246
18	1	HELICAL SPUR GEAR	NOT SUPPLIED
19	4	PINION GEAR	140901R
20	4	PINION GEAR THRUST WASHER	151113
21	2	SHORT CROSS SHAFT	061601
*	1	BULKHEAD KIT, O-RING TYPE, 3.5-5mm	170105
*	1	PUSH-IN FITTING,5mm (R1 5 1/8")	170201
*	1	AIR LINE (5mm DIA X 6m LONG)	170301
*	1	NIPPLE, 1/8" BSP,MALE TO MALE	170501
*	1	SOLENOID VALVE	180103
*	1	ACTUATOR SWITCH	180209
*	1	SWITCH COVER (FRONT)	180210
*	1	SWITCH COVER (REAR)	180211
*	10	CABLE TIE	180301
*	1	WARNING LABEL	210101
*	1	BUMPER STICKER	210102
*	1	OPERATION & SERVICE MANUAL	210200
*	1	INSTALLATION GUIDE	2102145

* Not illustrated in exploded view.

