

EN

Product Manual

Air Jack Hardline Kit
Air Jack PTFE Hose Kit

580-10-101

580-10-910

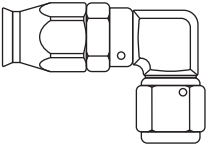
Air Jack Hardline Kit (5/16)

580-10-101

①

x2

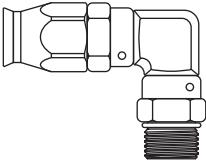
5800-15-001



②

x2

5800-15-002



③

x6

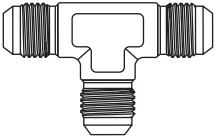
5800-15-005



④

x3

400-06-306



⑤

x2

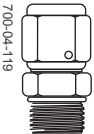
590-25-102



⑥

x2

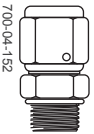
700-04-119



⑦

x2

700-04-152



⑧

x1

700-04-101



⑨

x10m

5800-10-001



Each kit includes fittings for both Air Jack 60C and 90C, as well as 3- and 4-jack installations. Use only the fittings specified for your selected configuration.

NO.	Spare part #	Description
1	5800-15-001	AN-6 Female to Hardline (5/16), 90 degree
2	5800-15-002	AN-6 Male to Hardline (5/16), 90 degree
3	5800-15-005	AN-6 Female to Hardline (5/16), Straight
4	400-06-306	T Adapter Fitting, AN-6 (1x) to AN-6 (2x)
5	590-25-102	1/4 BSPP to AN-6 Female (only Air Jack 90C) *

NO.	Spare part #	Description
6	700-04-119	AN-6 ORB to AN-6 Female (only Air Jack 60C) *
7	700-04-152	1/4 BSPP to AN-6 Female (only Air Jack 90C) *
8	700-04-101	AN-6 ORB to AN-6 Male (only option 2, 3pc kit)
9	5800-10-001	Hardline tubing (5/16), Length 10m (~33 ft)

*Fittings are supplied in separate accessory bags. Use only the fittings required for your specific Air Jack setup, as specified in this manual.

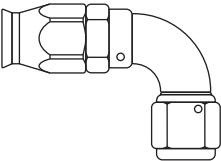
Air Jack PTFE Hose Kit (AN-6)

580-10-910

①

x2

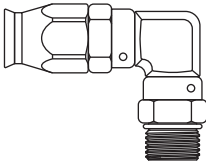
810-09-106



②

x2

810-24-101



③

x6

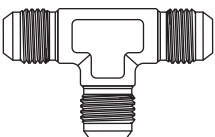
810-01-106



④

x3

400-06-306



⑤

x2

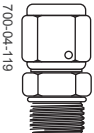
590-25-102



⑥

x2

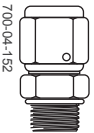
700-04-119



⑦

x2

700-04-152



⑧

x1

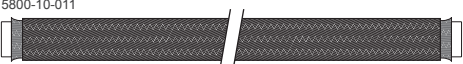
700-04-101



⑨

x10m

5800-10-011



Each kit includes fittings for both Air Jack 60C and 90C, as well as 3- and 4-jack installations. Use only the fittings specified for your selected configuration.

NO.	Spare part #	Description
1	810-09-106	PTFE Hose End Fitting 90 Degree AN-6
2	810-24-101	PTFE Hose End Fitting 90 Degree AN-6, Male
3	810-01-106	PTFE Hose End Fitting Straight AN-6
4	400-06-306	T Adapter Fitting, AN-6 (1x) to AN-6 (2x)
5	590-25-102	1/4 BSPP to AN-6 Female (only Air Jack 90C) *

NO.	Spare part #	Description
6	700-04-119	AN-6 ORB to AN-6 Female (only Air Jack 60C) *
7	700-04-152	1/4 BSPP to AN-6 Female (only Air Jack 90C) *
8	700-04-101	AN-6 ORB to AN-6 Male (only option 2, 3pc kit)
9	5800-10-011	Black Nylon PTFE Fuel hose, Length 10m (~33 ft)

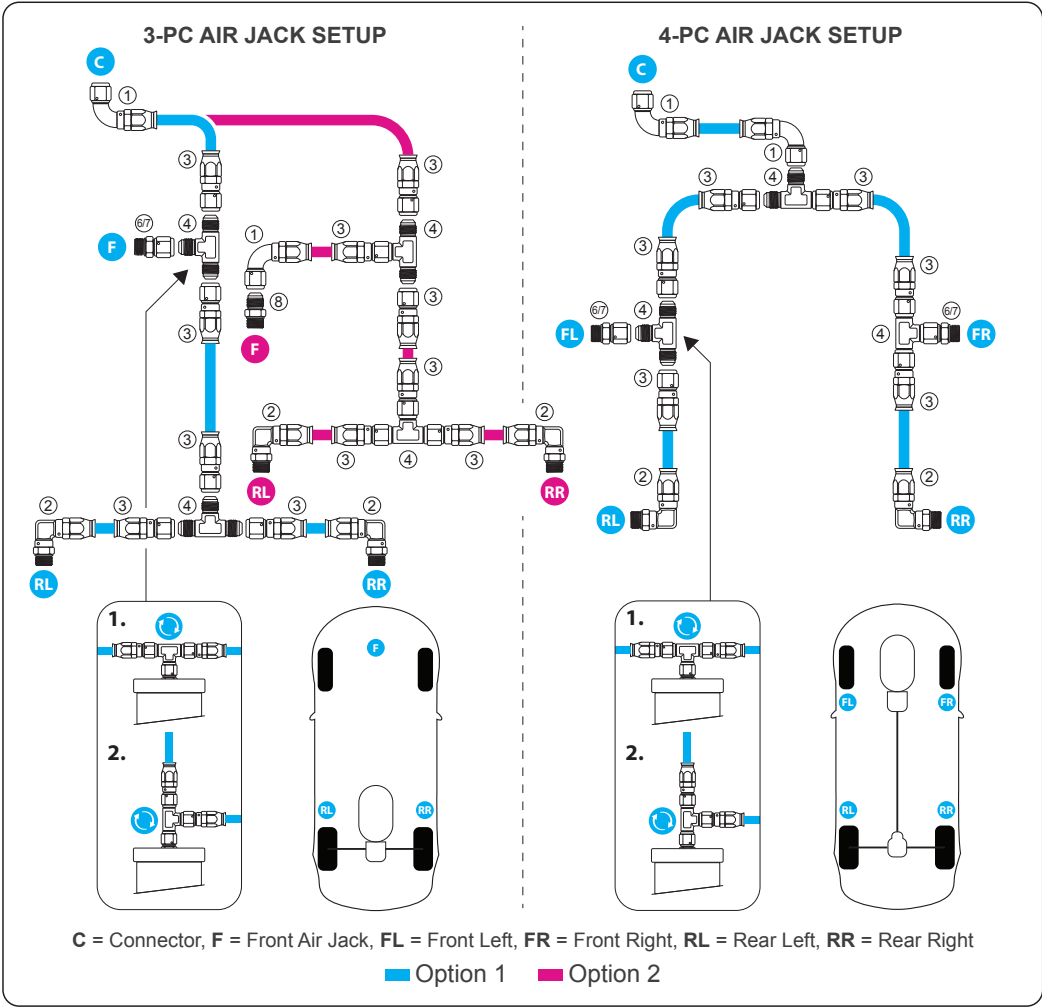
*Fittings are supplied in separate accessory bags. Use only the fittings required for your specific Air Jack setup, as specified in this manual.

Air Jack plumbing and installation

3 OR 4 AIR JACK KIT PLUMBING

Both Nuke Performance Air Jack Plumbing Kits support 3- or 4-jack installations with Air Jack 60C and 90C systems. For optimal lifting performance, plan the routing according to vehicle layout and weight distribution. Prioritize air supply to the most heavily loaded jack(s) and maintain equal hose or tube lengths on both sides for balanced air distribution.

For 3-jack installations, both kits include fittings for two alternative routing layouts. On mid- or rear-engine vehicles, the single air jack is typically positioned at the front. Always consider the load supported by each individual jack rather than the total axle load when planning the routing.



SUPPLY AIR TO THE MOST HEAVILY LOADED AIR JACKS FIRST

Route the air supply to reach the air jacks supporting the highest load per jack first, regardless of engine position or overall weight distribution. This is especially important for the lower-pressure Air Jack 90C system, where proper air distribution is critical for balanced lifting performance.

EQUAL HOSE / HARDLINE LENGTHS FOR BALANCED AIR DISTRIBUTION

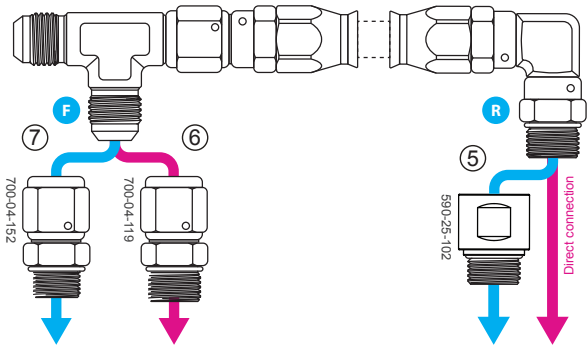
Keep the hose routing as equal in length as possible between the left and right sides of the vehicle to ensure balanced air distribution and synchronized air jack operation. Avoid unnecessarily long hose runs, as shorter routing improves response time and overall lifting efficiency.

AIR JACK CONNECTION CONFIGURATION

The Air Jack 60C and 90C require different adapter configurations due to their operating pressures and connection types. At the front connection (F), each system uses its designated adapter, while at the rear connection (R), the Air Jack 90C requires an additional adapter (5) and the Air Jack 60C connects directly. Follow the color-coded illustration and ensure all fittings are securely tightened before pressurizing the system.

- AIR JACK 90C 8 BAR / 120 PSI**
Use the included Adapter Kit for Air Jack 90C (8 BAR), Part #590-10-202.
- AIR JACK 60C 20 BAR / 290 PSI**
Use the included Adapter Kit for Air Jack 60C (20 BAR), Part #590-10-203.

Two adapter kits are included, one for Air Jack 90C and one for Air Jack 60C. Select the matching kit and follow the color-coded illustration to install the correct adapters at each connection point.



Air Jack Connection Options

CONNECTION VALVE INSTALLATION (C)

The connection point marked (C) in the routing illustrations requires an AN-6 connection for the air supply. Choose from three Nuke Performance connection options, all compatible with both Air Jack 60C and 90C systems:

1. **Air Jack Male Connector, AN-6** – Part # 570-20-101
2. **Air Jack Petcock Ball Valve Connector, AN-6** – Part # 570-20-102
3. **Air Jack Quick Release Connector Valve, AN-6** – Part # 570-20-103

Select the connection type that suits your installation and air supply setup. All three options are designed for use with the Nuke Performance Air Jack Lance, AN-6. Install the valve in a protected, accessible location and ensure it is securely mounted to withstand the force required when connecting the lance.

All connection options are sold separately. For options 1 and 3, a rigid valve enclosure and silicone protective cap are also available for added protection and durability.

Specification list

For more detailed specifications, visit www.nukeperformance.com.

Air Jack Hardline Kit (5/16), Part # 580-10-101		Air Jack PTFE Hose Kit (AN-6), Part # 580-10-910	
Max kit operating pressure	37 BAR (540 PSI)	Max kit operating pressure	40 BAR (580 PSI)
Hardline burst pressure	50 BAR (725 PSI)	PTFE hose burst pressure	680 BAR (10000 PSI)
Compatibility	Compressed air, Argon, Nitrogen	Compatibility	Compressed air, Argon, Nitrogen
Temperature range	-20°C to 150°C (-4°F to 302°F)	Temperature range	-70°C to 250°C (-94°F to 482°F)
Hardline inner diameter	6.0 mm (1/4")	PTFE hose inner diameter	8.2 mm (0.32")
Hardline outer diameter	7.92 mm (5/16")	PTFE hose inner diameter	11.5 mm (0.45")
Hardline material	Aluminum alloy	PTFE hose material	PTFE, stainless steel, nylon
Included length	10 m (32.8 ft)	Included length	10 m (32.8 ft)

Safety & legal information

WARNING – HIGH-PRESSURE AIR SYSTEM

Always pressure-test and inspect the complete system before first use and after any modifications or maintenance. Check all connections for leaks and ensure all hoses and hardlines are securely anchored to prevent damage and uncontrolled movement in case of failure. Never exceed the specified operating pressure and always fully depressurize the system before maintenance.

LEGAL INFORMATION & CONDITIONS

By installing or using this product, the user accepts the manufacturer's conditions. Nuke Performance assumes no liability for improper installation, misuse, vehicle damage, personal injury, or accidents, to the extent permitted by applicable law. The installer is responsible for safe installation and operation. For motorsports and off-road use only. Nuke Performance AB, Sweden – All rights reserved.

Safety disclaimer

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INCORRECT INSTALLATION CAN CAUSE SERIOUS DAMAGE TO THE PRODUCT AND VEHICLE. AS A RESULT, ACCIDENTS, PROPERTY DAMAGE AND PERSONAL INJURY ARE POSSIBLE. INSTALLATION MAY ONLY BE CARRIED OUT BY EXPERTS. MAKE SURE TO ALWAYS USE ALL NECESSARY SAFETY EQUIPMENT. THE MANUFACTURER IS NOT LIABLE FOR DAMAGE CAUSED BY IMPROPER INSTALLATION.

FR



UNE INSTALLATION NON CONFORME PEUT PROVOQUER DES DOMMAGES SÉRIEUX SUR LE PRODUIT ET LE VÉHICULE. PAR CONSÉQUENT, DES ACCIDENTS, DES DÉGÂTS MATÉRIELS ET DES BLESSURES CORPORELLES SONT POSSIBLES. L'INSTALLATION DOIT UNIQUEMENT ÊTRE EFFECTUÉE PAR DES EXPERTS. ASSUREZ-VOUS DE TOUJOURS UTILISER TOUS LES ÉQUIPEMENTS DE SÉCURITÉ NÉCESSAIRES. LE FABRICANT NE PEUT ÊTRE TENU POUR RESPONSABLE EN CAS D'INSTALLATION NON CONFORME.

DE



BEI UNSACHGEMÄßER INSTALLATION KÖNNEN SCHWERE SCHÄDEN AN PRODUKT UND MOTOR ENTSTEHEN. INFOLGEDESSEN SIND UNFÄLLE, SACH- UND PERSONENSCHÄDEN MÖGLICH. DER EINBAU DARF NUR DURCH GESCHULTES FACHPERSONAL MIT DER NOTWENDIGEN SICHERHEITSAUSRÜSTUNG ERFOLGEN. DER HERSTELLER HAFTET NICHT FÜR SCHÄDEN DURCH NICHT FACHGERECHTE MONTAGE.

SE



FELAKTIG INSTALLATION KAN ORSAKA ALLVARLIGA SKADOR PÅ PRODUKT OCH FORDON. SOM ETT RESULTAT ÄR OLYCKOR, EGENDOMSSKADOR OCH PERSONSKADOR MÖJLIGA. INSTALLATIONEN FÅR ENDAST UTFÖRAS AV EXPERTER. SE TILL ATT ALLTID ANVÄNDA NÖDVÄNDIG SÄKERHETSUTRUSTNING. TILLVERKAREN ANSVÄRAR INTE FÖR SKADOR ORSAKADE AV FELAKTIG INSTALLATION.

ES



UNA INSTALACIÓN INCORRECTA PUEDE CAUSAR SERIOS DAÑOS TANTO AL PRODUCTO COMO AL VEHÍCULO. COMO CONSECUENCIA, ES PROBABLE QUE SE PRESENTEN ACCIDENTES, DAÑOS MATERIALES Y LESIONES PERSONALES. LA INSTALACIÓN SOLO DEBE SER REALIZADA POR EXPERTOS. CERCÍOARSE DE UTILIZAR SIEMPRE TODO EL EQUIPO DE SEGURIDAD NECESARIO. EL FABRICANTE NO SE HACE RESPONSABLE DE LOS DAÑOS CAUSADOS POR UNA INSTALACIÓN INCORRECTA.

