

Air Line Selection Tips

Air lines that are damaged with cracked, chuffed, or kinked jacketing, or that have corroded, or leaky fittings should be replaced to avoid air line failure on the road.

When replacing air lines its important to select proper replacements that are not only quality, but also meet DOT standards, to ensure safety and avoid downtime while on the road. Follow the suggested tips below when selecting your next set of air assemblies:

DO select air assemblies that display appropriate markings which signify compliance with DOT regulations (required by law.) Air lines are clearly marked DOT on the fittings and hose jacketing. If not, they are not approved as legal or safe for use as air brake lines.

DO select air coils made from Nylon 11 and 12 (PA11 & PA12) which far surpass those made from Polyurethane and Nylon 6/6 in strength, durability, flexibility, and memory recoil.

DO select air lines with Type B (dual wall) jacket layering, which has internal braiding. The smaller and tighter the braid, the more reinforcement there is throughout the walls of the air coil. **AVOID** Type A single wall jacketing with no internal jacketing.

DO select air lines with three or four-piece tractor side fittings. Unlike one-piece fittings, these types of fittings avoid spinning /corkscrewing the entire cable during installation.

DO select air lines with spring guards to protect the hose and tubing from sharp bends at or near the fitting.

DO select air lines that extend to their maximum expected service length and return to their retracted position without sag.

When deciding between coiled or rubber, **DO** take into considering the added weight of rubber air lines which will require a stronger suspension system.



Coil displays DOT markings



Type B dual wall air tubing with internal braiding



3-piece tractor side fitting

TIPS

Have technical questions? Get the latest tips from a skilled Phillips engineer!
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- When replacing air lines its important to select proper replacements that are not only quality, but also meet DOT requirements, to ensure safety and avoid downtime while on the road.
- DO select air assemblies that display DOT markings.
- DO select air assemblies with quality jacketing, fittings, and spring guards.