

## Air Line Inspection and Replacement

In preparation for the winter months ahead, air lines should be inspected for damage to avoid air line failure on the road. However, component replacement is not only for the winter months, it can apply all year round. Although not always necessary, it's a good practice to replace air lines, and air line accessories, annually to ensure proper working order. However, during routine PMs, or during pre-trip inspections, if any of the following are noted, air lines should be replaced much sooner to avoid possible air line failures, leading to downtime, or CSA violations.

- Chaffing or damaged jacketing
- Rusted springs and/or fittings
- Nylon cables that are stretched out and no longer recoil
- Kinked nylon cables



Damaged Jacketing, Rusted Springs

When selecting airlines for a tractor/trailer most know that it is recommended, and in some cases even required by law, to choose air lines with the following features:

- Air line assemblies that display the appropriate markings which signify compliance with DOT regulations (Required by law)
- Swivel fittings on the tractor end to avoid corkscrewing during installation
- Spring guards; to protect the hose or tubing from a sharp bend at or near the fitting (Required by law)
- Added handle grips at the trailer end to provide protection from kinking of air lines during gladhand connection and disconnection
- Coiled assemblies that extend to their maximum expected service length and return to their retracted position without sag
- Proper overall working length for the tractor-trailer application
- If operating in harsh environments, use cables rated for extreme temperatures [Lower than the typical standard of -40°F (-40°C)]

When installing new air lines its always important to remember the following:

- If cables or handles are color coded, be sure to install/couple them with their correlating connections (red to red, blue to blue).
- Always remove the old fitting from the tractor protection valve and install the new fitting attached to the new air lines.

## TIPS

Have technical questions? Get the latest tips from a skilled Phillips engineer!  
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- Air lines should be inspected regularly. It is suggested to replace them annually or upon discovery of damage to the air lines.
- If cables or handles are color coded, be sure to install/couple them with their correlating connections (red to red, blue to blue).
- Always remove the old fitting from the tractor protection valve and install the new fitting attached to the new air lines.

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