DV213
Tier 3
Vibratory Roller

SERVICE MANUAL

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CASE CONSTRUCTION

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Transmission fluid

Use high-quality oil corresponding to **API GL-5**, or EP or **MIL-L-2105 D** to lubricate gearbox, pumps and drum reductors.

Use **TUTELA HYPOIDE SSL SYNTHETIC GEAR LUBE SAE 75W-90** fluid for outdoor temperature range **-10 - 30 °C** (**14 - 86 °F**).

or use **TUTELA HYPOIDE SSL SYNTHETIC GEAR LUBE SAE 80W-140** fluid for outdoor temperature range **20 - 45 °C** (**68 - 113 °F**).

NOTICE: *Operating temperature of oil should never exceed **85 - 90 °C (185 - 194 °F)**.*

Brake fluid

The fluid should comply with international specifications DOT3. It is mixable with brake fluids of all brands that comply with these specifications. Brake fluid is designed for brake systems that operate at ambient temperatures from **-50 °C** (**-58 °F**) to **60 °C** (**140 °F**) and at operating temperatures from **-50 °C** (**-58 °F**) to **205 °C** (**401 °F**).

NOTICE: *Brake fluid that corresponds to the international classification DOT 4 may also be used for the brake system.*



Lube grease

Use plastic lubricant with lithium content to lubricate the machine:
Case Akcela Extreme pressure grease moly

To lubricate the speed reduction transmission, use the lubricant according to:
ISO 6743/9 BDHB2



Washer fluid

Use clean water at a temperature of no lower than **0 °C** (**32 °F**) when filling the washer fluid reservoir. We recommend the use of washer fluid with antifreeze for motor vehicle windshield washers at the ratio necessitated by machine lubricating conditions.

NOTICE: *When there is a risk that temperatures will drop below **0 °C (32 °F)**, add antifreeze agent or drain the water!*

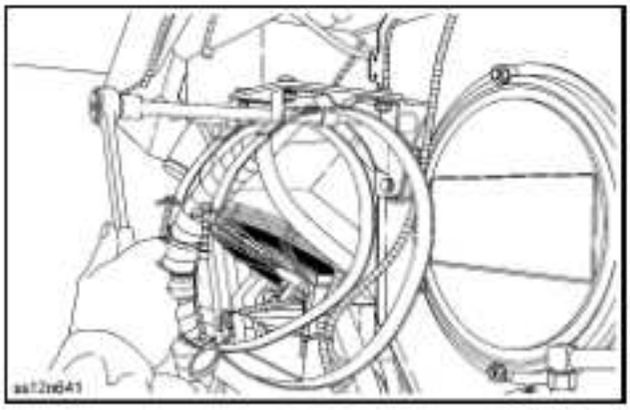


Drum cooling liquid

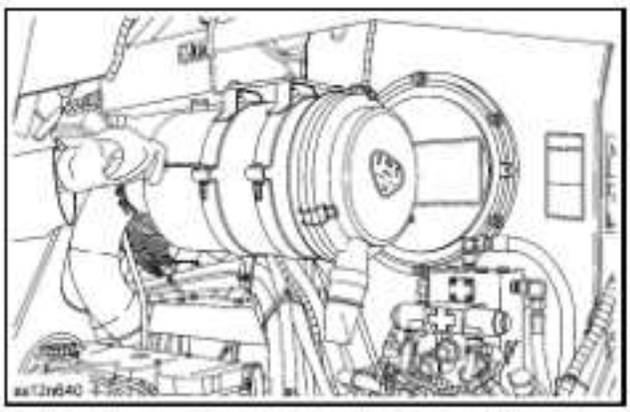
Use antifreeze in all seasons to protect the cooling system from corrosion and all risk of freezing.

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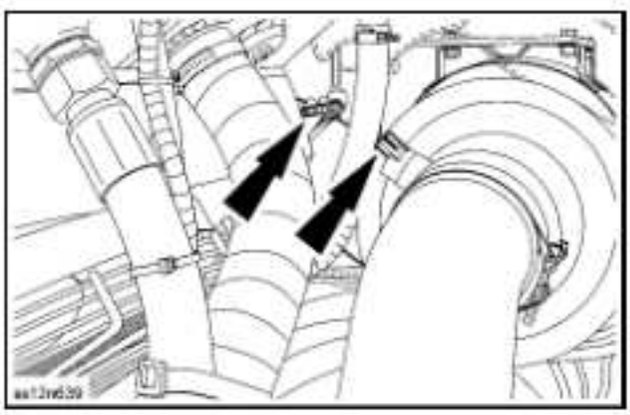
14. Install the air filter bracket.



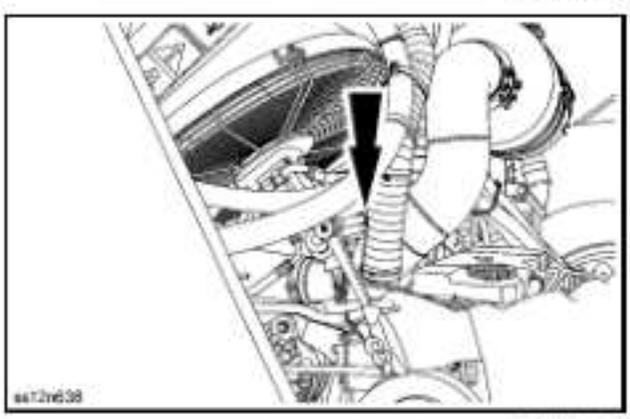
15. Install the air filter.



16. Connect the air filter sensor connector.
17. Install the air intake hose.



18. Remove the protective caps. Install the duct on the turbocharger with the clamps removed earlier.

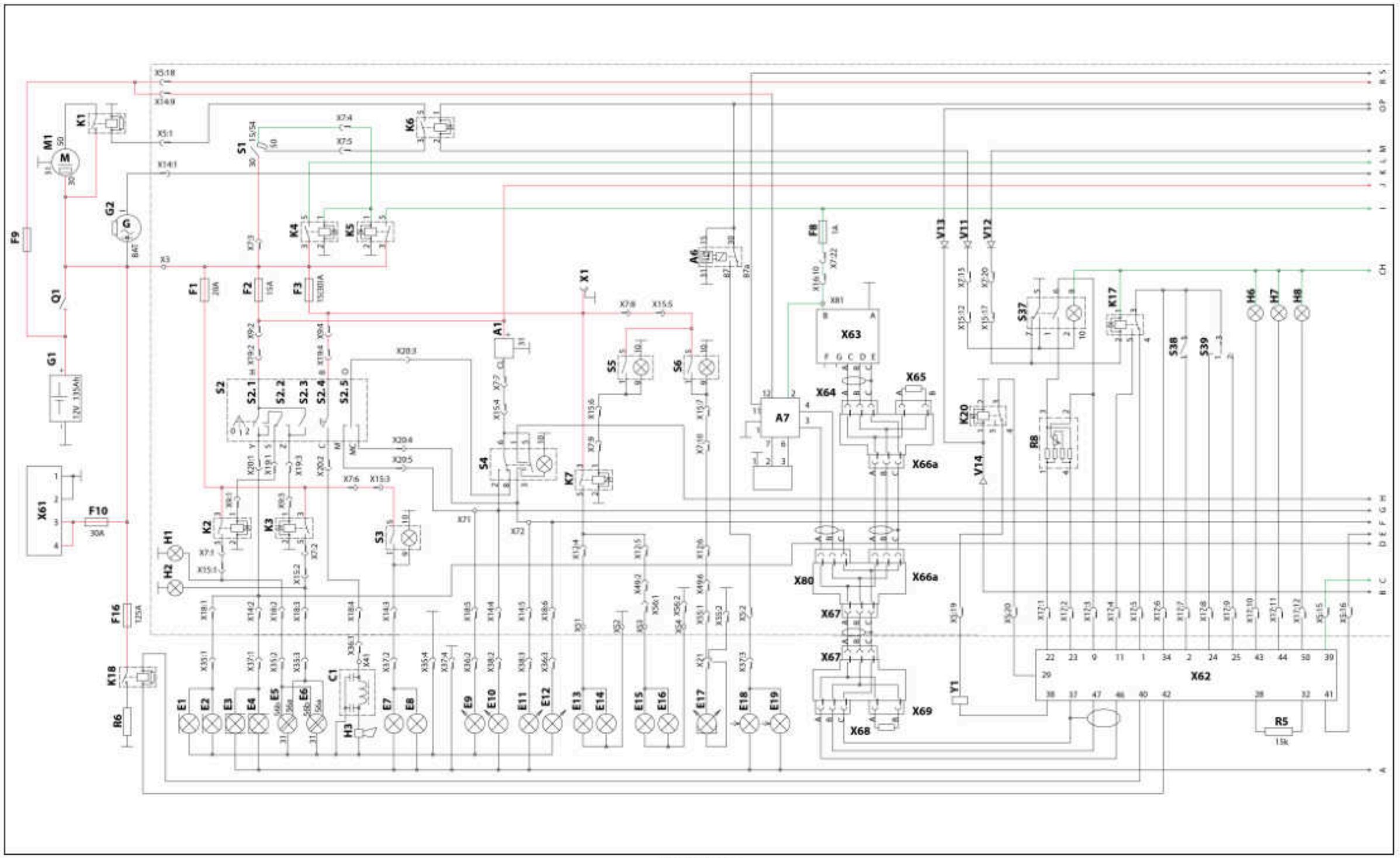


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Wiring harnesses - Electrical schematic sheet 01

For the description of Component IDs, refer to **Electrical system - Component identification (55.000)**.

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