Various propagators. The propagators $D_{\lambda A_0}$ and D_{AV} represent mixing.

The Coulomb gauge is a unitary gauge. Consequently in the first-order formalism, the $c - \bar{c}$ ghost loop cancels the $\lambda - A_0$ loop, etc.

$$\int d^{(d+1)}p \, [D_{A_0\lambda}(\vec{p})D_{A_0\lambda}(\vec{k}+\vec{p}) - D_{c\bar{c}}(\vec{p})D_{c\bar{c}}(\vec{k}+\vec{p})] = 0.$$

This gets rid of the horrible energy divergences,

$$dp_0 \; 1 = \infty.$$