$$
\begin{array}{ccc}
E & \xrightarrow{\ T(t)\ } & E \\
\ \downarrow{\scriptstyle q_\psi} & & \ \downarrow{\scriptstyle q_\psi} \\
(E,\psi) & \xrightarrow[\ T_1(t)\ ]{} & (E,\psi))
\end{array}
$$