Thus we have a map

$$
\begin{array}{ccc}
\mathrm{Ext}^1(S;\, \mathcal{J}(L),\, \Omega^2) & \longrightarrow & \mathrm{Ext}^2\!\left(S;\, \dfrac{\mathcal{O}(L)}{\mathcal{J}_p(L)},\, \Omega^2\right) \\
 & & \| \\
 & & \mathrm{Ext}^2(S;\, \mathcal{O}_p(L),\, \Omega^2) \\
\psi & \longmapsto & -\psi
\end{array}
\quad \cdots (**)
$$

By combining (*) on P678 note with (**), we get

$$
\begin{tikzcd}
\mathrm{Ext}^0(S; \mathcal{O}(L^*), \Omega^2) \arrow[r] & \mathrm{Ext}^1(S; \mathcal{J}(L), \Omega^2) \arrow[r] & \mathrm{Ext}^2(S; \mathcal{O}_p(L), \Omega^2) \\
\psi \arrow[r, mapsto] & -\psi \arrow[r, mapsto] & \psi
\end{tikzcd}
$$

with ρ the composite $\mathrm{Ext}^0(S; \mathcal{O}(L^*), \Omega^2) \xrightarrow{\rho} \mathrm{Ext}^2(S; \mathcal{O}_p(L), \Omega^2)$.

By Global Duality Theorem II on P708,

$$
\begin{array}{ccc}
H^0(S, \mathcal{O}_p(L)) \otimes \mathrm{Ext}^2(S; \mathcal{O}_p(L), \Omega^2) & \longrightarrow & \mathbb{C} \\
\uparrow \rho'_* \quad \rho'_*\eta \qquad\qquad \downarrow \rho'^* \quad \psi & & \| \\
H^0(S, \mathcal{O}_p(L)) \otimes \mathrm{Ext}^2(S; \mathcal{O}_p(L), \Omega^2) & \xrightarrow{\ \mathrm{res}\ } & \mathbb{C} \\
\eta \qquad\qquad \rho'^*\psi & &
\end{array}
$$

where $\rho' : \mathcal{O}_p(L) \longrightarrow \mathcal{O}_p(L)$ is an inclusion.

$\Rightarrow$ Given $\psi \in \mathrm{Ext}^2(S; \mathcal{O}_p(L), \Omega^2)$ and $\eta \in H^0(S, \mathcal{O}_p(L))$
$= \mathcal{O}_p(L)_p = \mathcal{O}_p(L)$,
by the commutativity above and the Local Duality Theorem II on P683,