

Sorry I left the book at home and non-one seems to have the current version. So this is a start:

1. From Jackson problem 12.1
2. From Jackson 12.2
3. From Jackson 12.6
4. From Jackson 12.14
5. Prove the steps which give 12.35 from 12.31 etc.
6. Show 12.93 with $J_\alpha = 0$ follows from 12.99 as described below that equation.
7. Show 12.109 does in fact reduce to the previous displayed equation for \vec{L}_{field} for suitably chosen components and when integrated over space.
8. From Jackson 12.20