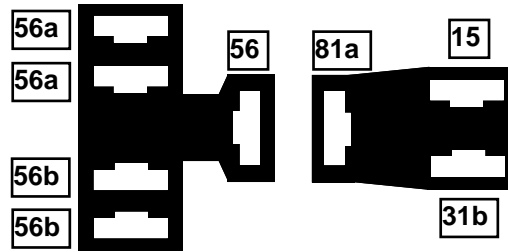


Volvo 240 Headlamp Step Relay, PN 1307991

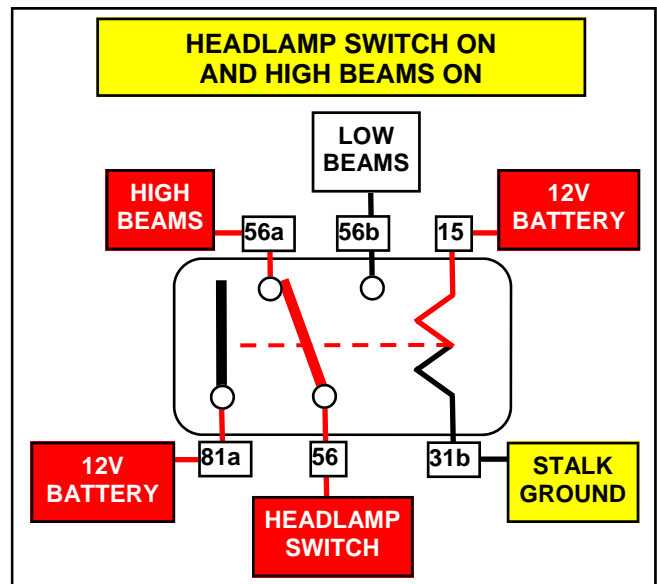
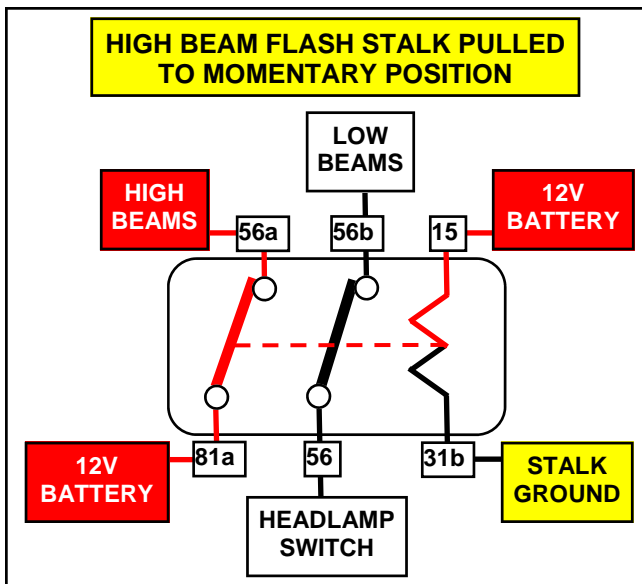
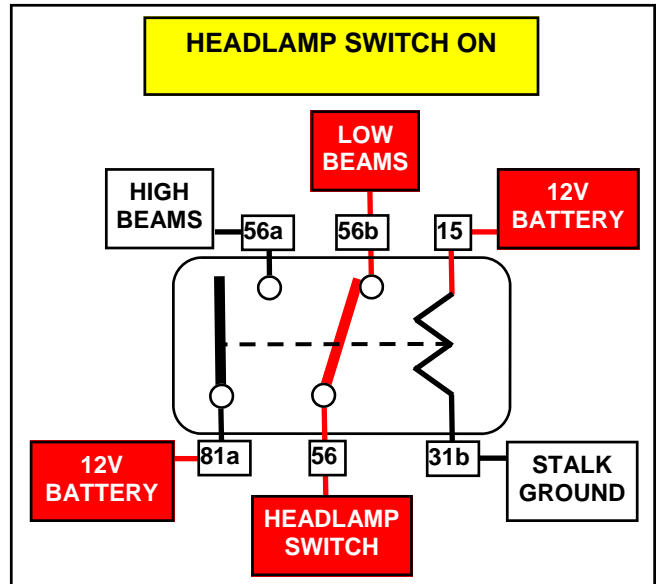
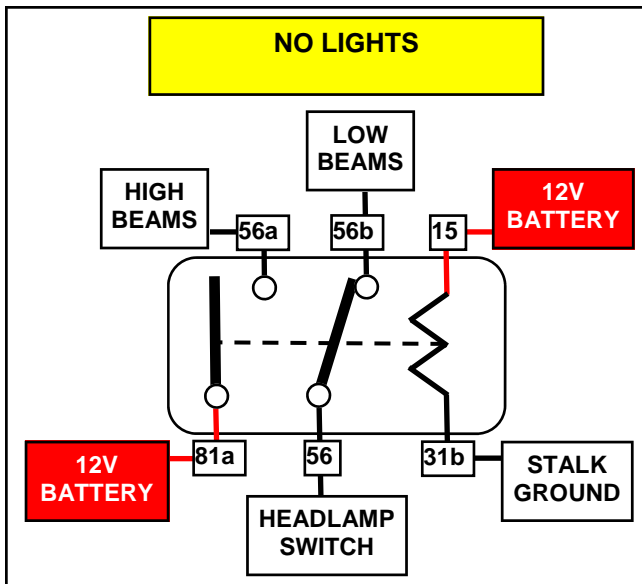
High beam circuit activated by negative switched latching function.
TESTING PROCEDURE ON PAGE 2



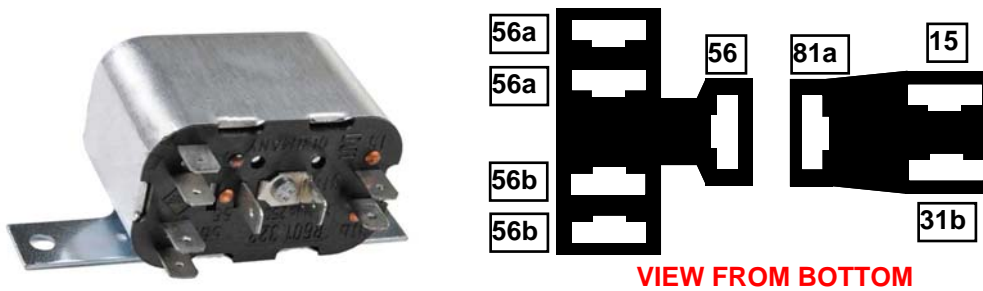
VIEW FROM BOTTOM

Original step relay wire colors may vary slightly depending on year of car.

- | | | |
|------|----------------|---|
| 15: | Blue | 12V Battery (common wire with 81a) |
| 81a: | Blue | 12V Battery (common wire with 15) |
| 31b: | Brown | High Beam Stalk (negative ground switched) |
| 56: | Yellow | 12V from Lamp Switch or Main Headlamp Relay for 1986+ |
| 56a: | Red/White, Red | To Dash Indicator Light (Red/White), High Beam Headlamp (Red) |
| 56a: | Red | To High Beam Headlamp |
| 56b: | Blue/White | To Bulb Failure Sensor, then Low Beam Headlamps |



Testing the 240 Headlamp Step Relay



TEST PROCEDURE

1. With relay unplugged, check for continuity between 56 and 56b. If continuity is present, then the latch is preset for low beams. In this case there should not be continuity between 56 and 56a.
2. If there is no continuity between 56 and 56b, then there should be continuity between 56 and 56a. Check for that. If continuity is present, then the latch is preset for high beams.
3. With relay unplugged, apply 12V to 15 and momentarily touch ground to 31b. You will hear an audible click. With each click, the relay latch will alternate from high beams to low beams and back to high beams. You can verify this by again checking for continuity between 56 and 56a and then between 56 and 56b. Continuity should alternate. You have completed the test of the latch switching function from low to high beams.
4. With the relay unplugged, check for continuity between 81a and 56a. There should not be continuity. While checking for continuity between 81a and 56a, apply 12V to 15 and momentarily touch ground to 31b. As the relay clicks, continuity between 81a and 56a should momentarily occur with each click. You have completed the test of the momentary high beam flash function.