

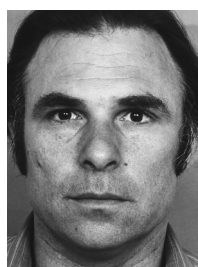
Action Unit 15 – Lip Corner Depressor

Figure 4-1 shows that the muscle underlying AU 15 emerges from the side of the chin and runs upwards attaching to a point near the corner of the lip. In AU 15, the corners of the lips are pulled down.

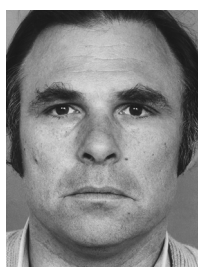
A. Appearance Changes due to AU 15

1. Pulls the corners of the lips down.
2. Changes the shape of the lips so they are angled down at the corner, and usually the lower lip is somewhat stretched horizontally.
3. Produces some pouching, bagging, or wrinkling of skin below the lip corners, which may not be apparent unless the action is strong.
4. May flatten or cause bulges to appear on the chin boss, may produce a depression medially under the lower lip.
5. If the nasolabial furrow is permanently etched, it deepens in the lower portion and may appear pulled down or lengthened.
6. If AU 12 combines with 15, confusion can arise between 6+15 and 12+15. Later in Chapter 6 when you learn AU 12, you will also learn how to score 12+15 and how to make the difficult distinctions among AUs 6, 12, and 15 and their combinations.

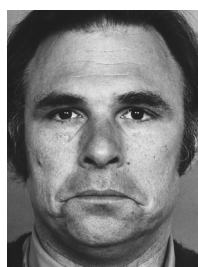
The images 15i and w15i show weak versions of this AU 15, while 15ii and w15ii show stronger actions. Note that appearance change 3 is most apparent in the stronger actions. Note also that in w15ii, the nasolabial furrow is deepened as compared to w0, but this is because there is a permanently etched nasolabial furrow on one side of the face in w0. Examine also the images of 6+15i, 6+15ii, w6+15i and w6+15ii. Later, in Chapter 6, when you learn to distinguish 6+15 from 12+15 these images will be important. For now they simply repeat for you the signs of 15 and the addition of the appearance changes due to 6. Inspect the video of AU 15.



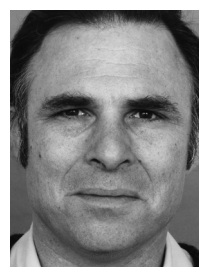
0 page 465
page 381 for score



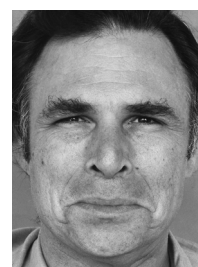
15i page 475
page 391 for score



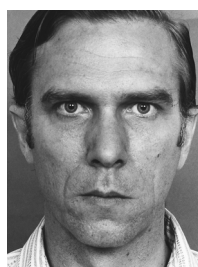
15ii page 476
page 391 for score



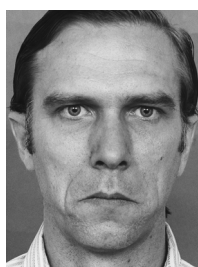
6+15i page 477
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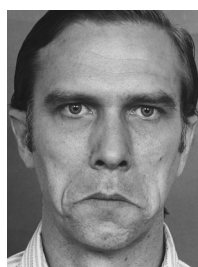
6+15ii page 476
page 392 for score



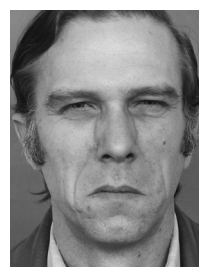
w0 page 465
page 382 for score



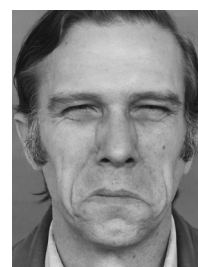
w15i page 475
page 391 for score



w15ii page 476
page 391 for score



w6+15i page 477
page 392 for score



w6+15ii page 476
page 392 for score



video 15
page 417 for score

B. How to do AU 15

Pull your lip corners downwards. Be careful not to raise your lower lip at the same time with AU 17. If you are unable to do AU 15, place your fingers above the lip corners and push downwards, noting the changes in appearance. Now, try to hold this appearance when you take your fingers away.

C. Intensity Scoring for AU 15

AU 15A

The appearance changes for AU 15 are sufficiently present to indicate AU 15, but are insufficient to score 15B (e.g., a *trace* of the lip corners moving down).

AU 15B

1. If the lip line is straight or *slightly* up in neutral the lip corners move *slightly* down.
or
2. If lip line is *slightly* or barely down in neutral, then the lip corners move down *slightly* more than neutral and it is not due to 17 or 20.

AU 15C

The appearance changes 1 (lip corners pulled down), 2 (lip shape angled and stretched down), and 3 (bulging, wrinkling) in 15secA are all present and the downward movement of the lip corners is at least *marked*, but the evidence is less than the criteria for 15D.

AU 15D

The appearance changes 1 (lip corners pulled down), 2 (lip shape angled and stretched down), and 3 (bulging, wrinkling) in 15secA are all present and the downward movement of the lip corners is at least *severe*, but the evidence is less than the criteria for 15E.

AU 15E

The appearance changes 1 (lip corners pulled down), 2 (lip shape angled and stretched down), and 3 (bulging, wrinkling) in 15secA are all present and all at least *marked* and the downward movement of the lip corners is in the *extreme* to *maximum* range.

Reference: AU 15

Action Units or Combinations That Change the Intensity Scoring for AU 15

Problematic Combination of AUs	Target Action of Adjusted Criteria	Use These Criteria or See the Section Indicated
9+15+17	To score 15B with 9+15	The criteria are the same as described for 15+17 in this table below, except that the curve of the lips in item b. must be more than from 9+17 without 15.
10+12+15	To score 15B with 10+12	Use criteria of 10+15 in this table below, then see 12+15secC on page 211 .
10+12+15+17	To score 15B with 10+12+17	Use criteria of 10+15+17 in this table below, then see 12+15secC on page 211 .
10+12+15+17+23	To score 15B with 10+12+17+23	Use criteria of 10+15+17, heeding the warning of 15+23 in this table below, then see 12+15+17secC on page 211 .

Lower Face Action Units – Up/Down Actions

10+12+15+23	To score 15B with 10+12+23	Use criteria of 10+15 heeding warning of 15+23 in this table below, then see 12+15secC on page 211 .
10+15	Criteria for 15 in 10+15	a. Lip corners <u>pulled</u> , down <i>slightly</i> . or, b. <i>Slight</i> pouching, bagging or wrinkling below the lip corners. If pouching is permanent, it must increase <i>slightly</i> . If you do not see the movement, criterion b. must be used.
10+15+17	Criteria for 15 in 10+15+17	The criteria are the same as described for 15+17 in this table below, except that the curve of the lips in b. must be more than from 10+17 without 15.
10+15+17+23	To score 15B with 10+17+23	Use criteria of 10+15+17 above, heeding the warning of 15+23 in this table below.
10+15+23	To score 15B with 10+23	Use criteria of 10+15 above, heeding warning of 15+23 in this table below.
12+15	To score 15B with 12	To score 15 in 12+15, see 12+15secC on page 211 .
12+15+17+23	To score 15B with 12+17+23	Use criteria of 12+15+17secC on page 211 and heed warning of 15+23 in this table below.
12+15+23	To score 15B with 12+23	Use criteria in 12+15secC on page 211 and heed warning of 15+23 in this table below.
15+17	Criteria for 15B in 15+17	a. Lip corners <u>pulled</u> down <i>slightly</i> . or b. The curve of the lips is much more down than it is from 17 alone; if there are bags, pouches or wrinkles, they are much more evident than in 17 alone. If you do not see the movement, only criterion b. can be used.
15+17	Criteria for 15C/D/E in 15+17	Criteria for 15 in 15+17 are higher than for 15 in 10+15; see intensity scoring for combinations of 10, 15, and 17 on page 135 .
15+17+23	To score 15B with 17+23	Use criteria for 15+17 above and heed warning of 15+23 below.
15+23	WARNING about scoring 15 in 15+23	Note that the bagging or pouching below the lip corners may be less evident when 23 is added to 15.