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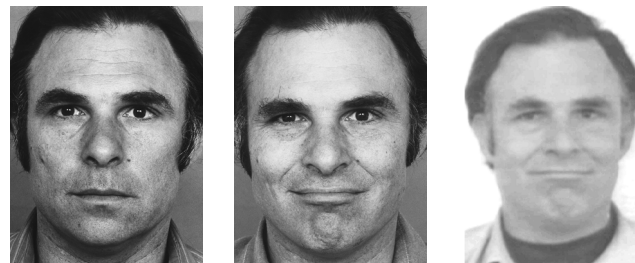
## Action Unit Combination - 12+17

### A. Appearance Changes due to 12+17

The elements described for AU 17 are not altered by this combination but the shape of the lips due to AU 12 is changed.

1. AU 12 pulls the corners of the lips up obliquely, creating a shape which is more flattened in the middle than for 12 alone due to 17 pushing up the lower lip.
2. The skin in the area of the lower middle portion of the nasolabial furrow is pulled up and laterally by 12.
3. The upper portion of the nasolabial furrow may be deepened by 12.
4. The infraorbital triangle is raised by 12.
5. If the action of 12 is strong (12E), or if 6 is added to low or moderate 12, one or more of the following:
  - a. Deepens the infraorbital furrow.
  - b. Causes bags and wrinkles below the lower eyelid.
  - c. Narrows the eye aperture by pushing up the cheek and skin below the lower lid.
  - d. Causes crow's feet wrinkles.
6. AU 17 pulls the chin boss upwards and pushes up the lower lip.
7. Causes wrinkles to appear on the chin boss as skin is stretched and may produce a depression medially under the lower lip.
8. Narrows the lips or may cause the lower lip to protrude in front of the upper lip.

Examine the image 12+17, which shows 12 at a moderate intensity, and the video of 12+17.



0 [page 465](#)  
[page 381](#) for score

12+17 [page 489](#)  
[page 404](#) for score

video 12+17  
[page 424](#) for score

### B. How to do 12+17

The movements of 12 and 17 are easy to do. Smile and then push your lower lip up against your upper lip. Note that even at high levels of 12, the pushing up of 17 keeps the lips from taking on the lifted arched shape that occurs with 12 alone, although the lip corners are lifted obliquely. Also, note that the jaw can be lowered somewhat with this combination, yet the lips can remain together (scored 12+17+26); otherwise, the jaw lowering and lifting of the upper lip by 12 would separate the lips (scored 12+25+26).

### C. Intensity Scoring for AUs 12+17

The intensity criteria for AU 12 in combination 12+17 are not the same as for 12 alone and are provided below. The criteria for AU 17 in combination 12+17 are the same as for 17 alone and are repeated below.

### AU 12A in AU Combination 12A+17

The appearance changes for AU 12 are sufficiently present to indicate AU 12, but are insufficient to score AU 12B in combination 12+17 (e.g., a *trace* of raising of skin in the lower/middle nasolabial furrow area, a *trace* of infraorbital triangle raise, and a *trace* of counteracting the downward angle of the lip corners due to 17 by 12 pulling them up). You should emphasize detecting the oblique upward movement of the lip corners in low intensity 12s that changes the angle of the lip corners from what 17 does alone. Note that neither AU 6 or 11 changes the angle of the lips, as does 12.

### AU 12B in AU Combination 12B+17

1. Skin in the areas of the lower-middle portion of the nasolabial furrow or the furrow itself has been raised up and laterally *slightly*. If the nasolabial furrow is permanently etched, it usually deepens with a 12B, but the crucial change is that the skin in this area has shifted obliquely. If the nasolabial furrow is not permanently etched, it may not appear with 12B.  
and
2. *Slight* evidence that the infraorbital triangle has been raised; most likely showing in lifting and puffing out of lateral top corner of infraorbital triangle.  
and
3. *Slight* evidence that the downward angle of the lip corners due to 17 has been counteracted by the upward pull of 12. The angle of the lip corners may not be as upwards as it would be from 12 without 17.

Note that appearance change 1 and 2, as expressed in words, could be due to AU 6, rather than AU 12. However, the appearance of 6 is noticeably different from 12, seen in the images for these AUs. Furthermore, the appearance of 6 and 6+12 also differ. If there are other signs of AU 6, inspect carefully for change 3 above to score AU 12.

### AU 12C in AU Combination 12C+17

All three criteria for 12B above are present and all are at least *marked*, but the evidence is less than the criteria for 12D in 12+17.

### AU 12D in AU Combination 12D+17

All three criteria for 12B above are present and all are at least *severe*, but the evidence is less than the criteria for 12E in 12+17.

### AU 12E in AU Combination 12E+17

All three criteria for 12B above are present and all are at *extreme to maximum*.

### AU 17A

The appearance changes for AU 17 are sufficiently present to indicate AU 17, but are insufficient to score 17B (e.g., a *trace* of lower lip pushed up and/or *trace* of chin boss wrinkling).

### AU 17B

1. *Slight* evidence of lower lip push up beyond the movement necessary to close the lips; may include lip protrusion, or depression in medial area under the red part of the lip. The lower lip may slide in front of the upper lip and expose more of the red part of the lip than usual.  
or
2. *Slight* chin boss wrinkling or puckering, and upward movement of chin boss. If the chin boss is permanently wrinkled, it must increase *slightly*. AU 15 may cause similar chin wrinkling, but they differ in appearance. See 15 vs. 17 in subtle differences.

**AU 17C**

The pushing up of the lower lip and the wrinkling/puckering of the chin boss are both evident and at least one is *marked*, but the evidence is less than the criteria for 17D.

**AU 17D**

The pushing up of the lower lip and the wrinkling/puckering of the chin boss are both evident and at least one is *severe*, but the evidence is less than the criteria for 17E.

**AU 17E**

The pushing up of the lower lip and the wrinkling/puckering of the chin boss are both in the *maximum* range.