OPERATION AND PARTS MANUAL

MULTIQUIP®

MODELS
CV1A
CV2A/2B
CV3A/3B
VIBRATOR MOTOR

Revision #0 (04/30/13)

To find the latest revision of this publication, visit our website at:
www.multiquip.com

THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

OPERATION

Before connecting any of the flexible shafts referenced in this manual, please read all operating instructions relating to the drive motor associated with the flexshaft.

Using the wrong drive motor can adversely affect the performance of the flexshaft/vibrating head. Selecting too large a flexshaft/vibrating head combination will overload the motor and cause excessive wear.

1. Hold vibrator head above concrete pour when starting drive motor. This will prevent the vibrator head from bouncing on hard surfaces which could damage the bearings.
2. Keep flexshaft (Figure 7) straight as possible when operating. Sharp bends increase the load on the core and drive motor, which will result in early core failure and possible damage to the drive motor.

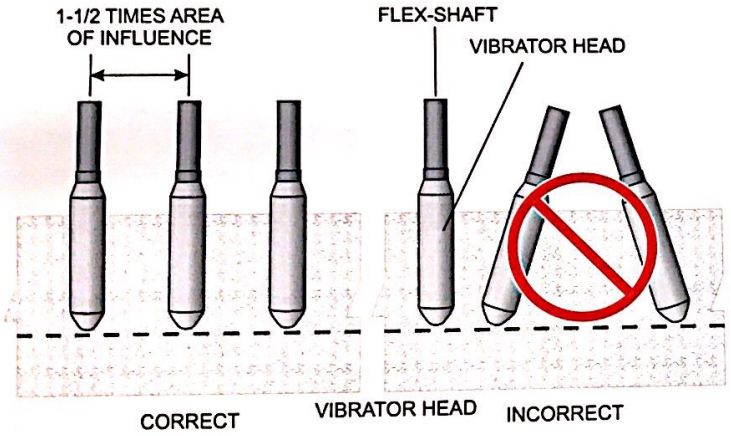

Figure 7. Vibrator Head Insertion

3. With the drive motor properly plugged into the correct power source, turn the ON/OFF switch to the "ON" position.
4. Completely immerse the vibrator head quickly into the concrete mix at a vertical rate of about one foot per second (0.3 meters/second). Vibrate concrete for about 5 to 15 seconds for wet mixes. For stiff mixes, vibrate 2-3 minutes.
5. Stop vibration of concrete mix when concrete has a level, glossy surface and there are no breaking air bubbles.
6. Slowly lift the head out of the mix using an up and down movement. This slight up and down movement will close the hole formed by the vibrator.
7. When lifting the head out of the concrete, withdraw slowly at a rate of about 3 sec./ft. Using this technique will avoid the re-trapping of air.
8. When near the top of the mix, withdraw the vibrator quickly.
9. Re-insert vibrator into mix according to the "area of influence" See Figure 7. Establish a symmetrical overlapping pattern for inserting and removing the vibrator head.
10. If concrete is poured in layers, allow vibrator to pass within 3 to 6 inches (76 to 152 mm.) into next layer to ensure the knitting of the two layers. The complete bonding of layers will prevent "lift lines" when forms are removed.

NOTICE

DO NOT use vibrator to move concrete laterally. This will cause segregation of the concrete. Use a shovel or similar device to spread the concrete.