INFINITI VC-TURBO ENGINE
COMPARISON OF VC-TURBO TECHNOLOGY IN HIGH AND LOW COMPRESSION RATIOS

Understanding VC-Turbo technology

1. When a change in compression ratio is needed, the Harmonic Drive turns and moves the actuator arm.
2. The actuator arm rotates the control shaft.
3. As the control shaft rotates, it acts upon the lower-link, which changes the angle of the multi-link.
4. The multi-link adjusts the height the piston can reach within the cylinder, thus changing the compression ratio.