

Model: HD518

Wheel Alignment M/C

Functions:

- Steering Wheel Aligning
- Body Measurement
- Vehicle Lift Measurement
- Engine Bracket Adjustment
- Toe-In Lockup Measurement
- Toe-In Curvature Measurement
- Single Wheel Measurement
- Inspection of Height Level
- Axis Deviation Measurement
- Wheel Deviation Measurement
- Zero Toe-in Camber Measurement
- Axis Distance Measurement
- Scrub Radius Measurement
- Wheel Distance Measurement



Measurement items: measurement accuracy/measurement range/total measurement range

- Total Toe: $\pm 3/\pm 2^\circ/\pm 18^\circ$
- Toe-in alone: $\pm 2/\pm 2^\circ/\pm 9^\circ$
- Camber: $\pm 2/\pm 3^\circ/\pm 10^\circ$
- Axle offset: $\pm 2/2^\circ/\pm 9^\circ$
- Geometric driving angle: $\pm 2/\pm 2^\circ/\pm 9^\circ$
- Kingpin caster angle: $\pm 4/\pm 18/\pm 22^\circ$
- Kingpin inclination: $\pm 4/\pm 18^\circ/\pm 22^\circ$
- Negative toe when turning: $\pm 4/\pm 20^\circ/\pm 20^\circ$
- Total turning angle (front axle): $\pm 4/\pm 60^\circ/\pm 300^\circ$
- (rear axle): $\pm 4/\pm 9^\circ/\pm 9^\circ$
- Kingpin caster angle adjustment range: $\pm 4/\pm 7^\circ/\pm 10^\circ$

Teaching resources:

- Tire transposition: The video needs to be shot with the whole vehicle of Vale. The video presentation process needs to include the title (including sound effects), resource name, skill target, operation process (the upper left corner needs to have a fixed subtitle), and the ending;
- Inspection of shock absorbers
- Disassembly and assembly of front disc brake pads Removal and installation of front brake disc
- Disassembly and assembly of the front wheel speed sensor

China Office

Dongan Village, Liushi Town, Yueqing City, Zhejiang Province, China
Tel:0086-577-6286870, E-mail:export.labtech@gmail.com

Bangladesh Office

LabTech Engineering
West Monipur, Mirpur-2, Dhaka-1216
E-mail: way2labtech@gmail.com

- Inspection and replacement of brake fluid: The video needs to be shot with the whole vehicle of Vale. The video presentation process must include the title (including sound effects), resource name, skill target, operation process (the upper left corner needs to have a fixed subtitle), and the end of
- Disassembly and assembly of front brake hose
- Disassembly and assembly of brake caliper
- Disassembly and assembly of steering tie rod
- Disassembly and assembly of stabilizer bar connecting rod
- Disassembly and assembly of the rear wheel speed sensor: The video needs to be shot with the whole vehicle of Weilang. The video presentation process needs to include the title (including sound effects), resource name, skill target, operation process (the upper left corner needs to have a fixed subtitle), and the end of the film. ;
- Disassembly and assembly of the left rear wheel
- Disassembly and assembly of brake shoes
- Disassembly and assembly of rear brake cylinder
- Disassembly and assembly of rear hub bearing
- Detection of drum brakes
- Check the half shaft dust cover
- Separation and combination of tire and rim
- Wheel dynamic balance detection, the video presentation process should include the title (including sound effects), resource name, skill target, operation process (the upper left corner should have a fixed subtitle), and the ending;
- Replacement of steering assist fluid
- Disassembly and assembly of power steering pump
- Disassembly and assembly of brake master cylinder
- For the disassembly and assembly of the clutch release cylinder, the video presentation process should include the title (including sound effects), resource name, skill target, operation process (the upper left corner should have a fixed subtitle), and the ending;
- Disassembly and assembly of shift mechanism
- Inspection of the spare tire: The video needs to be shot with the whole vehicle of Weilang, and the video presentation process needs to include the title (including sound effects), resource name, skill target, operation process (the upper left corner needs to have a fixed subtitle), and the ending;
- Measurement of the lateral runout of the brake disc: The video presentation process should include the title (including sound effects), resource name, skill target, operation process (with a fixed subtitle in the upper left corner), and the end of the title;
- Measurement of the lateral runout of the brake disc: The sub-heading includes preparation before the measurement, fixing the brake disc, marking the measurement position, assembly of the magnetic base, measurement of the lateral runout of the brake disc, and completion operations, etc.
- Measurement of the thickness of the brake disc: The video presentation process should include the title (including sound effects), resource name, skill target, operation process (with a fixed subtitle in the upper left corner), and ending.
- Measurement of brake disc thickness: The sub-heading should include preparation before measurement, marking measurement position, micrometer zero calibration, etc.
- Measurement of the thickness of the front disc brake pads: The video presentation process should include the title (including sound effects), resource name, skill target, operation process (with a fixed subtitle in the upper left corner), and the end of the title.

China Office

Dongan Village, Liushi Town, Yueqing City, Zhejiang Province, China
Tel:0086-577-6286870, E-mail:export.labtech@gmail.com

Bangladesh Office

LabTech Engineering
West Monipur, Mirpur-2, Dhaka-1216
E-mail: way2labtech@gmail.com

- Check the brake fluid level
- For the disassembly and assembly of the parking brake lever, the video presentation process should include the title (including sound effects), resource name, skill target, operation process (the upper left corner should have a fixed subtitle), and the ending;
- All skill videos: use unified opening, ending and opening sound effects
- All skill videos have resource names in a unified style: centered dynamically
- All the operation content steps in the skill video should have step descriptions, and they should be fixed in the upper left corner of the video after being presented with animation effects, so as to facilitate students' memory.
- All skill videos should have corresponding skill goals to guide students to watch and learn independently
- Format and quality of 37 skill videos
- The software version used in the skill video: Adobe Premiere Pro CC2019
- Picture quality of teaching video: It adopts high-definition format, the video picture ratio is 16:9, the color of each frame of color video material is true color, the picture is clear, the playback is smooth, and the sound is clear.
- Subtitles should use standard characters that meet national standards, and no traditional characters, variant characters (except those stipulated by the state), and typos; the font, size, color matching, placement, stay time, and entry and exit methods of subtitles should be consistent with other The elements (pictures, commentary) are properly matched and the original picture is not damaged.
- The audio and video images have good synchronization, and the video package is preferably in a format suitable for network playback.
- 38. The file format of the skill video:
- Project source file format: .prproj Output format: flv format

Note: The Picture pattern just for references may change

China Office

Dongan Village, Liushi Town, Yueqing City, Zhejiang Province, China
Tel:0086-577-6286870, E-mail:export.labtech@gmail.com

Bangladesh Office

LabTech Engineering
West Monipur, Mirpur-2, Dhaka-1216
E-mail: way2labtech@gmail.com