

DHX RC4

HIGH-SPEED COMPRESSION ADJUSTER

Adjusts high-speed compression damping by preloading spring, adding or subtracting force to the high-speed compression shim stack

LOW-SPEED COMPRESSION KNOB

Controls position of low-speed compression needle

BOOST VALVE®

Provides bottom-out control compression damping, based on IFP pressure and compression ratio

INTERNAL FLOATING PISTON (IFP)

Translates to accommodate shaft displaced oil and separates oil from gas

IFP CHAMBER

Contains pressurized gas to put damping oil under pressure

BOTTOM-OUT CONTROL PISTON

Determines compression ratio of IFP chamber, and thus the rate of damping created by Boost Valve, as shock approaches bottom-out

LOW-SPEED COMPRESSION NEEDLE

Controls flow through center of DSC to provide adjustable low-speed compression damping

HIGH-SPEED COMPRESSION SHIM STACK

Damping created by shims flexing open determines allowance of shaft displaced oil to flow into reservoir

SUSPENSION FLUID

Provides damping medium and lubrication to shock internals

HIGH-SPEED REBOUND SHIM STACK

Damping created by shims flexing open determines allowance of oil to flow across piston

COMPRESSION SHIM STACK

Flow-through main piston provides base level of compression damping

REBOUND NEEDLE

Controls flow through piston bolt orifice to provide low-speed rebound damping adjustment

SCHRADER VALVE

Allows adjustment of initial IFP chamber pressure. This is used to control where in the stroke the Boost Valve position-sensitive damping engages (from 1/2 to 3/4 travel)

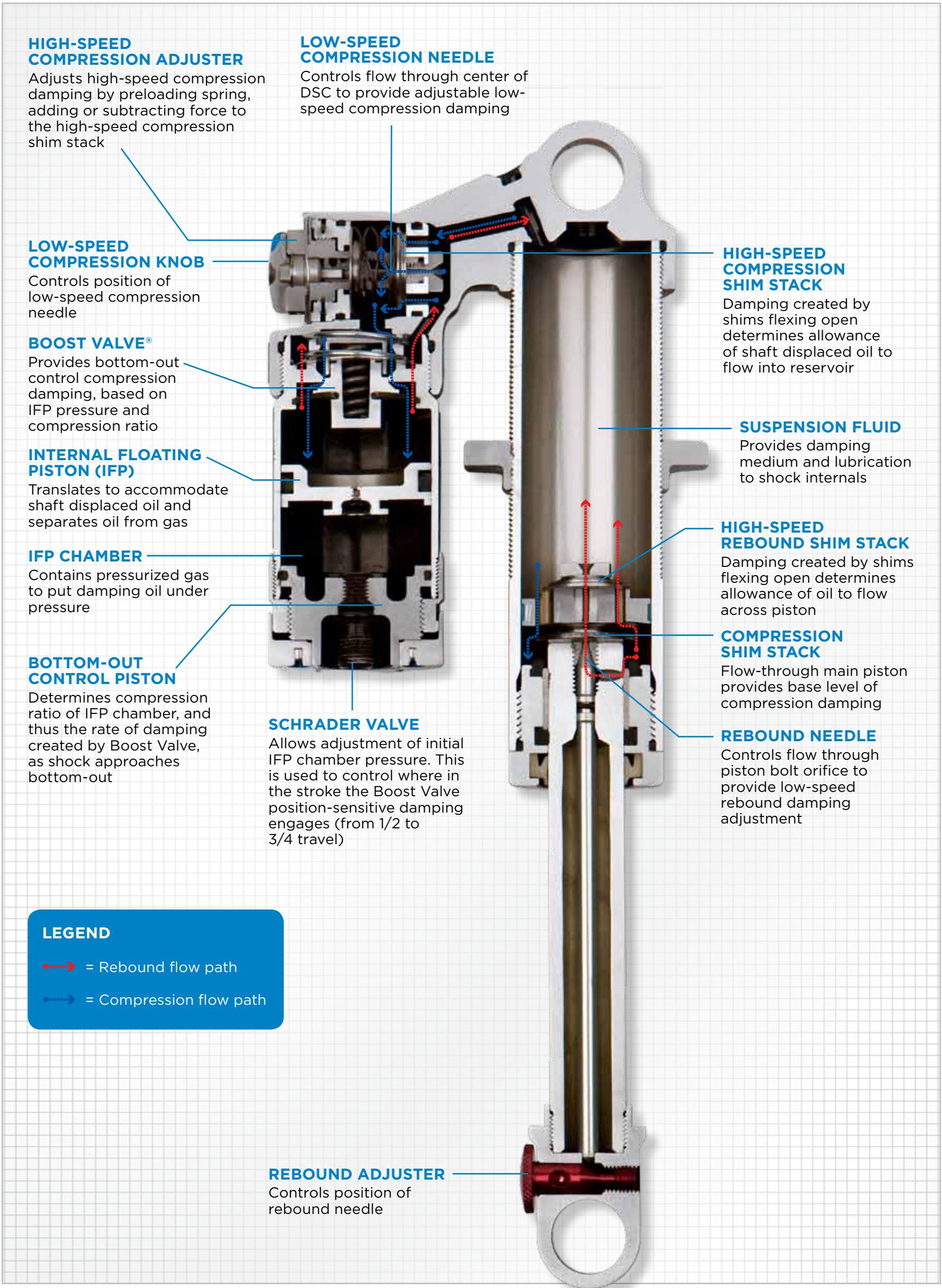
REBOUND ADJUSTER

Controls position of rebound needle

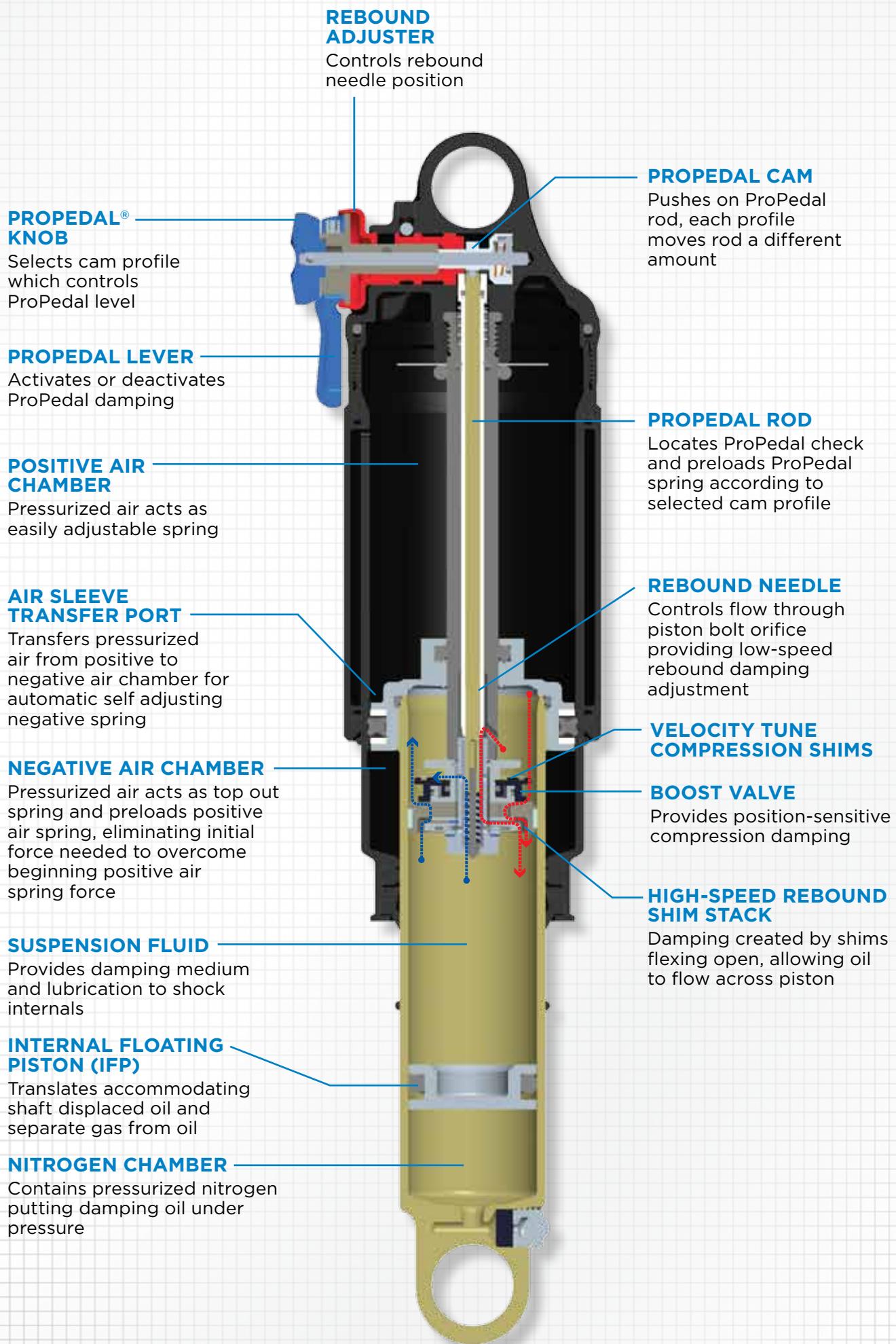
LEGEND

 = Rebound flow path

 = Compression flow path



FLOAT RP23



LEGEND

-  = Rebound flow path
-  = Compression flow path