

BASIC HYDRAULIC SCHEMATIC

HYDRAULIC
PUMP



UP



STRUT
VALVE

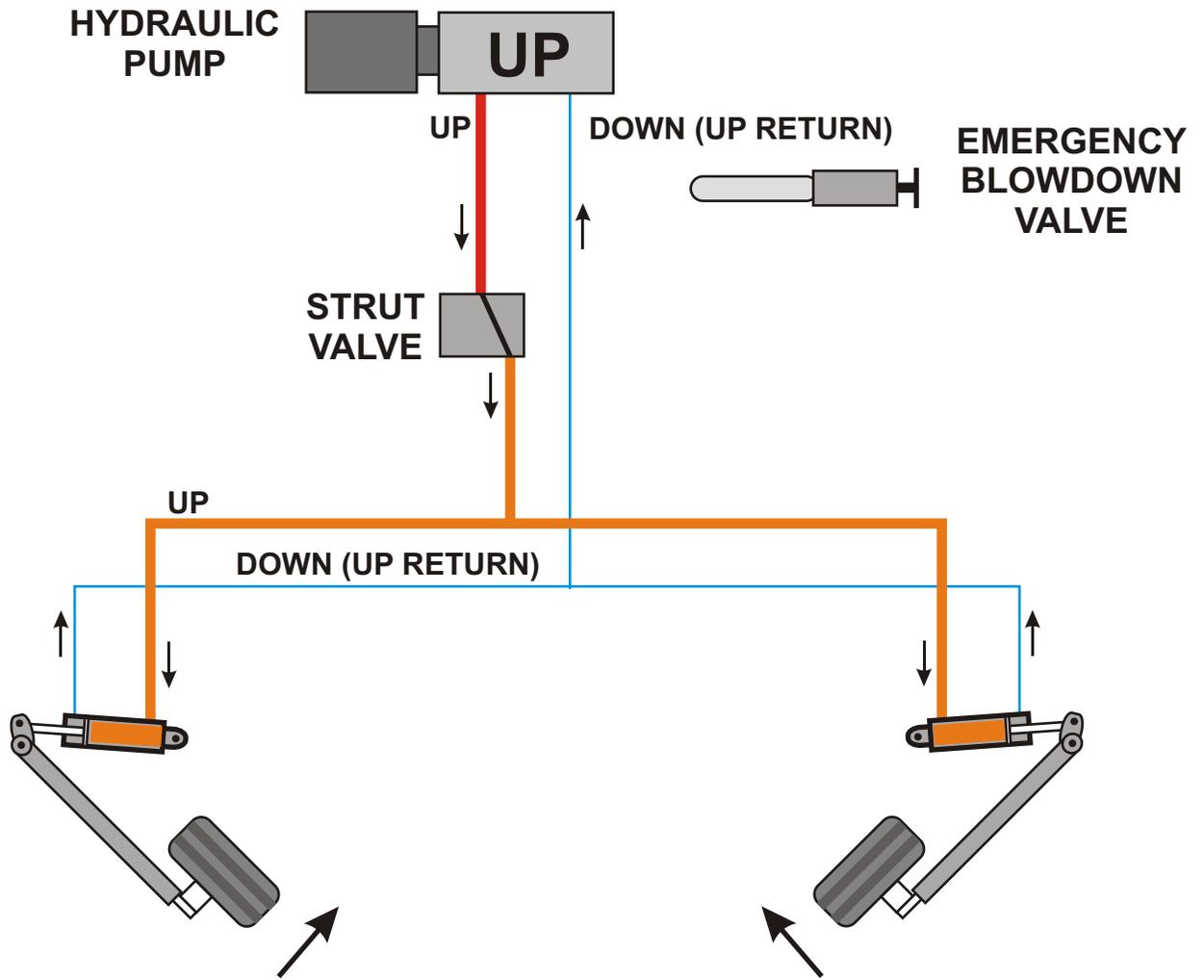


STRUT

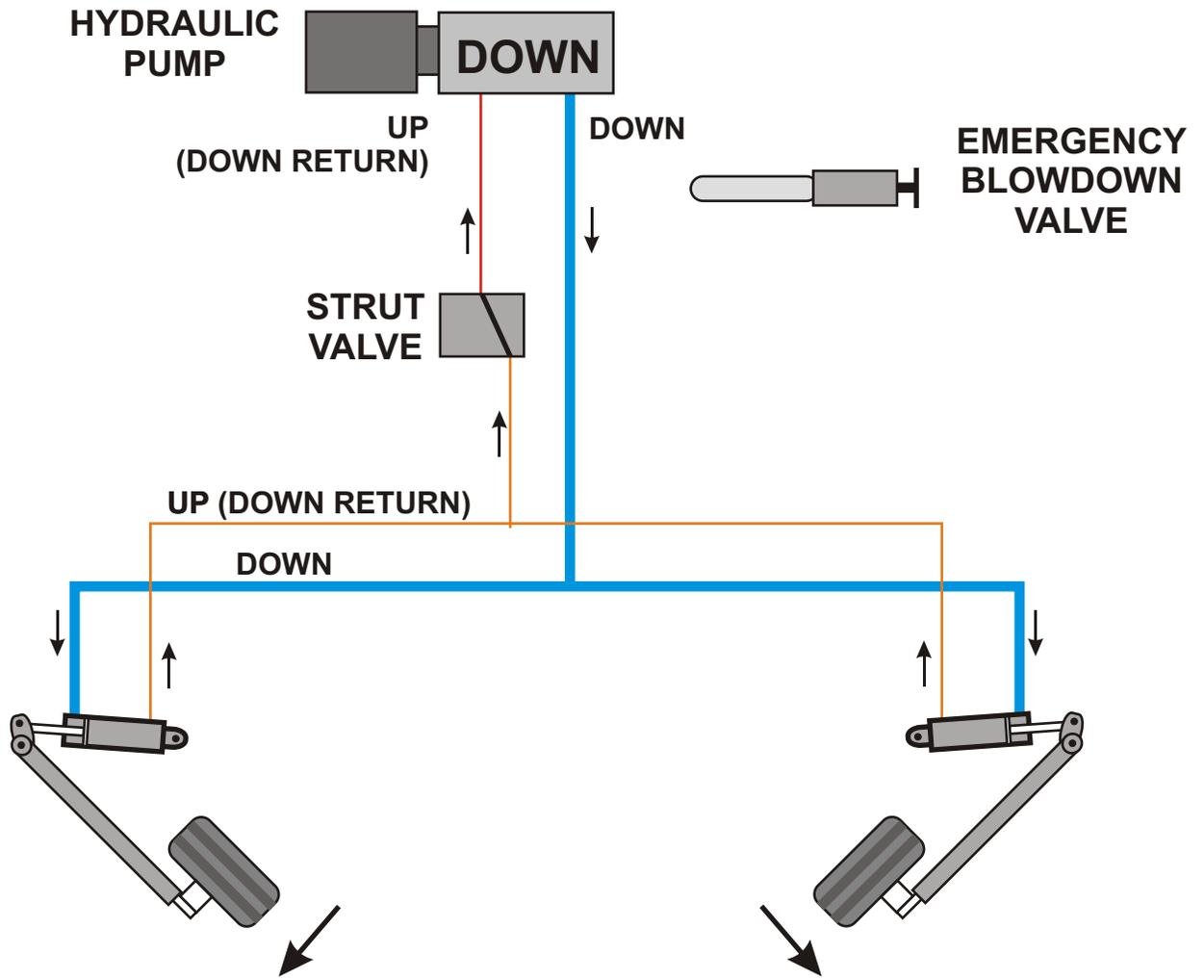


EMERGENCY
BLOWDOWN
VALVE

RETRACT STRUT
before main gear retract cycle

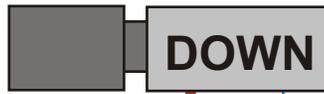


RETRACT CYCLE



EXTEND CYCLE

HYDRAULIC PUMP



UP



DOWN



EMERGENCY BLOWDOWN VALVE

STRUT VALVE



STRUT

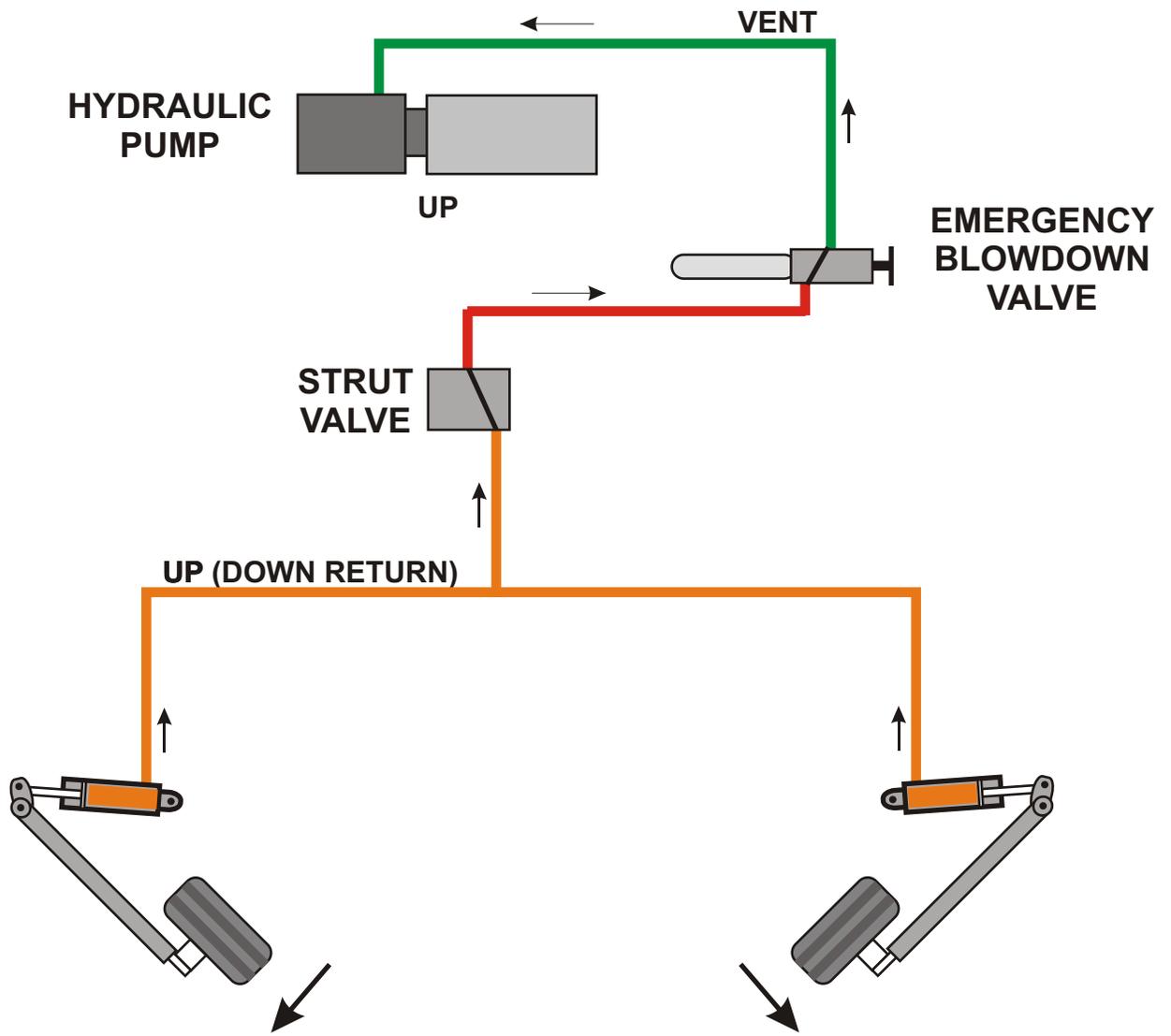


DOWN

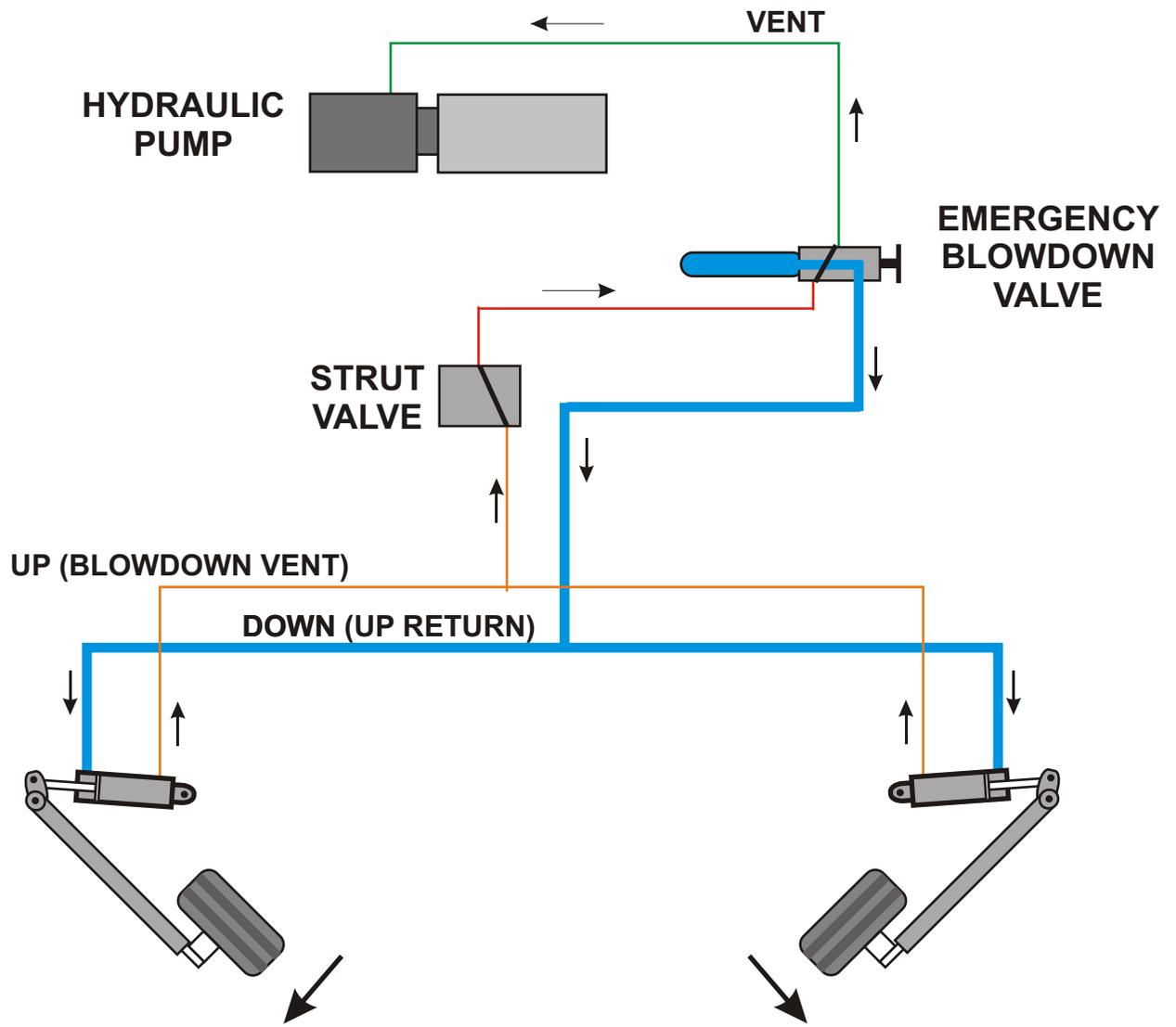


NOTE
When the gear is fully extended, there is NO flow in the DOWN line. However, the pump must run in the DOWN mode to allow the strut pressure to bleed.

EXTEND STRUT
after main gear extend cycle



EMERGENCY BLOW DOWN
Step 1 - Release UP pressure



EMERGENCY BLOW DOWN
Step 2 - Puncture CO2 Bottle