




# AHV-IV Start/Stop Procedure

AHV-IV Starting Procedure		
1	Walk around the vehicle to be driven and verify that there is adequate clearance around the vehicle and ensure that there are no personnel working on the vehicle. Verify that the tires are in good condition and that all the lug nuts are tight.	
2	Ensure that the ignition switch is <u>OFF</u> , the stand-by drive vibrate switch is in <u>STAND-BY</u> , the park brake switch is <u>ON</u> , and the shifter is in <u>NEUTRAL</u> position.	
3	Turn <u>ON</u> the passenger side battery box. The handle in a horizontal position is <u>ON</u> . The handle in a vertical position is off.	
4	Turn <u>ON</u> the drivers side battery box. The handle in a horizontal position is <u>ON</u> . The handle in a vertical position is off.	
5	<b>Caution:</b> Always fasten the seat belt before starting the vehicle.	
6	Turn the ignition key to <u>IGN</u> . The dash lights will come on and an alarm will sound while the vehicle cycles through prechecks. Wait for the alarm to stop. <u>Honk the horn 2 times</u> , then wait 5 seconds.	
7	Hold the ignition switch in the <u>START</u> position until the engine cranks and starts. Release the ignition switch to the <u>IGN</u> position.	

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8	<p>Idle the engine for two minutes. Check Vibrator low pressure gauge, 200 PSI min. (Left Gauge)</p>		<p><b>NOTE:</b> If pressure fails to rise or remains at 0. Do Not Proceed to step 9, go immediately to step 39 and then Notify your Supervisor.</p>
9	<p>Turn the stand-by drive vibrate switch to <u>DRIVE</u>. The engine will rev up. Check the Auxiliary pressure it should pressure up to 3200 PSI. (3rd Gauge from the left) Wait 30 seconds.</p>		
10	<p>The vehicle has now been successfully started.</p>		

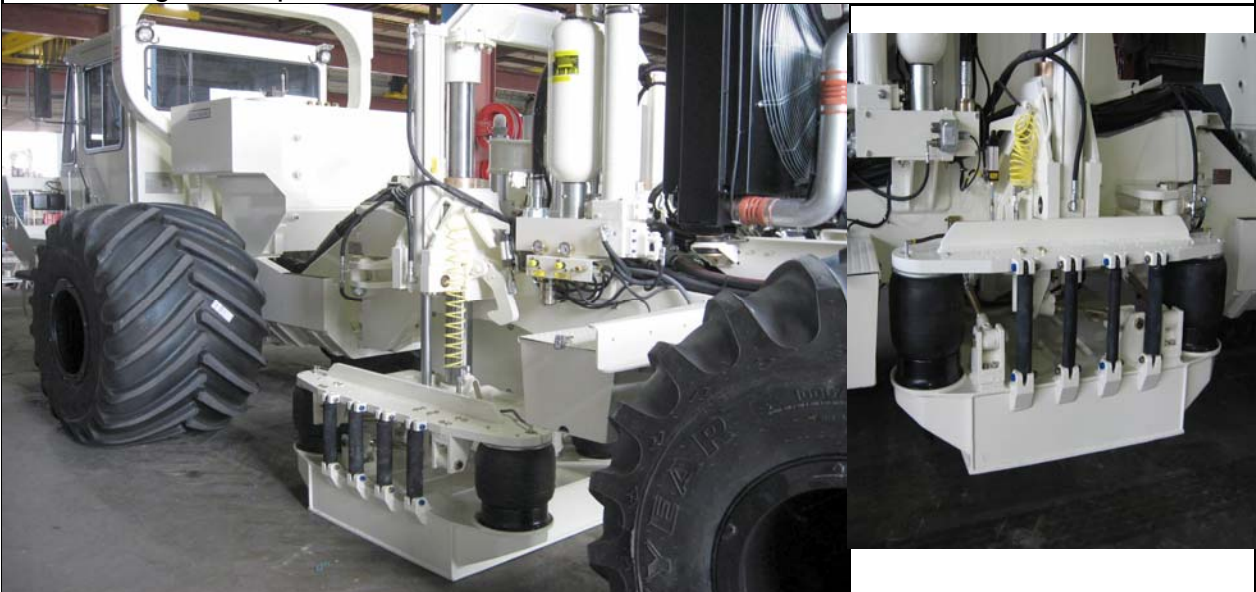
# AHV-IV Start/Stop Procedure

## AHV-IV Cautions before Driving.

- 11 **Caution:** If the Mass and Baseplate Column rods have been wrapped for shipment the Mass and Baseplate should be in the up and latched position and should not be moved.  
Skip steps 12 through 18.  
Proceed to step 19.













- 12 **Caution:** Before driving the vehicle the Mass and Baseplate must be in the up and latched position.  
The picture to the left shows the Mass and Baseplate in the down position.  
If the Mass and Baseplate need to be raised, proceed to step 13  
otherwise go to step 19.













# AHV-IV Start/Stop Procedure

## AHV-IV Raising the Mass & Baseplate before Driving.


<p>13 Turn the stand-by drive vibrate switch to <u>VIBRATE</u>. Check the Vibrator high pressure it should be 3200 PSI. (2nd Gauge from the left)</p>		
<p>14 Go to the Auxiliary Lift switches. Move the Lift Latches switch from <u>IN</u> to <u>OUT</u>.</p>		
<p>15 With the latches disengaged hold the Auxiliary Lift Up Down switch in the <u>UP</u> position. The Mass and Baseplate will raise to the top position. Release the up down switch once the Mass and Baseplate have reached the top position.</p>		
<p>16 Move the Auxiliary Lift latches switch from <u>OUT</u> to <u>IN</u>. The lift latches will engage.</p>		
<p>17 Turn the stand-by drive vibrate switch to <u>DRIVE</u>. The Vibrator high pressure will drop to zero. (2nd Gauge from the left) Wait a minimum of 10 seconds.</p>		
<p>18 The vehicle is now ready to drive. Proceed to step 19.</p>		

# AHV-IV Start/Stop Procedure

## AHV-IV Driving the Vehicle.












<p>19 Rotate the Throttle fully clockwise. The engine RPM will increase to approximately 2000 RPM.</p>		
<p>20 Turn the Park Brake switch <u>OFF</u>. The Park Brake indicator light will be off.</p>		
<p>21 Check the temperature of the hydraulic oil. If it is rising and goes above 160° F the hydraulic oil cooling fan may be turned off. To check the Hydraulic oil cooling fan go to step 22 otherwise go to step 25.</p>		
<p>22 Turn the Park Brake switch to <u>ON</u> and rotate the throttle fully counter clockwise. The Park Brake indicator will be on.</p>		
<p>23 You can hear the hydraulic oil cooling fan on the radiator at the rear of the vehicle if it is running. If it is not then open the valve as shown until it is running. The oil temperature will drop to between 120°F to 180°F.</p>		
<p>24 Turn the Park Brake switch to <u>OFF</u> and rotate the Throttle fully clockwise. The Park Brake indicator light will be off.</p>		
<p>25 The vehicle is now ready to be moved.</p>		

## AHV-IV Start/Stop Procedure






26	<p><b>Caution:</b> Only use gears <b>F1</b> and <b>R1</b>.</p>		
27	<p>Shift into the desired gear. Apply pressure to the accelerator. The vehicle will move.</p>		
28	<p>To stop the vehicle remove pressure from the accelerator. The vehicle will stop quickly.</p> <p>If the vehicle is on an incline apply pressure to the brake pedal to prevent the vehicle from drifting.</p>		
29	<p>After you have completed moving the vehicle to the desired location stop and switch the Park Brake switch to <u>ON</u>. The Park Brake indicator light will be on.</p>		

# AHV-IV Start/Stop Procedure

Lowering the Mass and baseplate if necessary.

<p>30 <b>Caution:</b> If the Mass and Baseplate Column rods have been wrapped for shipment the Mass and Baseplate should be in the up and latched position and should not be moved. Skip steps 31 through 36. Proceed to step 37.</p>		
<p>31 Turn the stand-by drive vibrate switch to <u>VIBRATE</u>. Check the Vibrator high pressure it should be 3200 PSI. (2nd Gauge from the left)</p>		
<p>32 Go to the Auxiliary Lift switches. Move the Lift Latches switch from <u>IN</u> to <u>OUT</u>.</p>		
<p>33 Hold the Auxiliary Lift Up Down switch in the <u>UP</u> position to unlock the latches then release the switch.</p>		
<p>34 With the latches disengaged hold the Auxiliary Lift Up Down switch in the <u>DOWN</u> position. The Mass and Baseplate will lower to the bottom position. Release the up down switch once the Mass and Baseplate have reached their bottom position.</p>		
<p>35 Turn the stand-by drive vibrate switch to <u>DRIVE</u>. The Vibrator high pressure will drop to zero. (2nd Gauge from the left) Wait a minimum of 10 seconds.</p>		
<p>36 You are now ready to turn the vehicle off.</p>		

# AHV-IV Start/Stop Procedure

AHV-IV Vehicle Turn Off Procedure.		
37	Decelerate the engine by turning the throttle fully counter clockwise.	
38	Switch the Stand-by Drive Vibrate switch from DRIVE to <u>STAND-BY</u> . The Auxiliary pressure will drop to zero. Wait a minimum of 1 minute.	
39	Turn the Ignition Key <u>OFF</u> .	
40	Turn <u>OFF</u> the drivers side battery box. The handle in a horizontal position is <u>on</u> . The handle in a vertical position is <u>OFF</u> .	
41	Turn <u>OFF</u> the passenger side battery box. The handle in a horizontal position is on. The handle in a vertical position is <u>OFF</u> .	
42	The vehicle is now completely turned off.	

## Revision Record

Rev.	Description	Process Owner	Date
A	Initial draft	Manufacturing	6/1/2012
B	2nd draft	Manufacturing	11/20/2012
C	Added Tires & Lug nuts to Step1.	Manufacturing	5/13/2013