

IT'S JUST ANOTHER BUSY DAY AT THE 1ST BRIGADE MOTOR POOL...

WAIT, PRIVATE SIMMONS!

HAND SIGNALS MAKE ALL THE DIFFERENCE



YOU'RE GONNA NEED SOME GROUND GUIDES TO GET THAT TRUCK OUTTA HERE.



HANG ON A MINUTE AND I'LL GET SOME HELP.



YEAH, YEAH! JUST HURRY UP. I'VE GOT A LOAD TO PICK UP AND MY SERGEANT DOESN'T LIKE IT WHEN I'M LATE!



SEVERAL MINUTES LATER...

DOGGONE IT! I CAN'T WAIT ANY LONGER.

I DON'T NEED GROUND GUIDES ANYWAY.

VRWWW VROOOOM!



SIMMONS, WAIT!

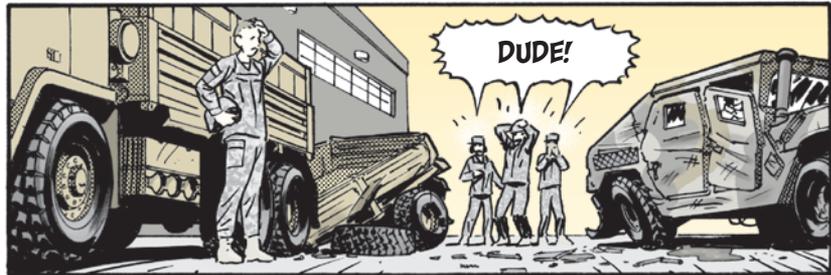
YOU'RE GONNA—



SSSCREECH!
CRUNCH!

...HIT SOMETHING!

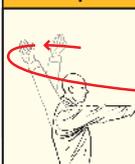
UH-OH!



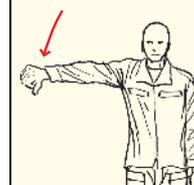
DUDE!

HELICOPTER GROUND GUIDE SIGNALS

Note: When directing a taxiing helicopter, the signalman's position is slightly to the right, in full view of the pilot, at a safe distance of no less than 40 meters (or no closer than 20 meters during slingload operations). The signalman should never stand in front of an armed helicopter.

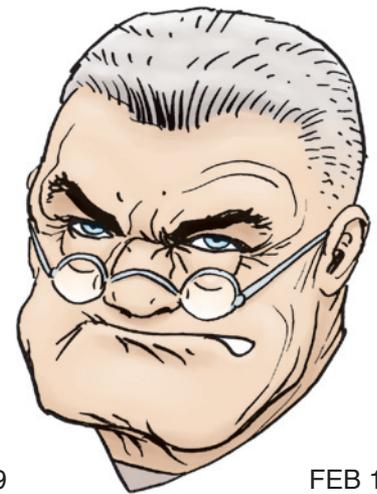
<p>Cut Engine/Stop</p>  <p>Either arm, level with shoulder and palm down. Draw extended hand across neck in throat-cutting motion.</p>	<p>Load Not Released</p>  <p>Bend left arm and fist horizontally across chest with knuckles down. Point open, right hand up to center of left fist.</p>	<p>Hookup Complete</p>  <p>Move fist up and down making contact with stationary fist on top of helmet.</p>	<p>Spot Turn</p>  <p>Move hand up and backward from horizontal position to indicate tail movement. Point other hand toward center of spot turn.</p>	<p>Release</p>  <p>Extend left arm horizontally with fist toward load while right arm makes horizontal slicing motion under left arm with palm down.</p>
<p>Proceed to Next Signalman</p> <div style="display: flex;"> <div style="flex: 1;"> <p>Right</p>  <p>Hold arm down. Extend other arm across body to indicate direction to next signalman.</p> </div> <div style="flex: 1;"> <p>Left</p>  </div> </div>	<p>Land</p>  <p>Extend crossed arms downward in front of body.</p>	<p>Stop</p>  <p>Cross arms above head with palms forward.</p>	<p>Negative Signal</p>  <p>Hand raised with thumb pointing down.</p>	
<p>Move Right/Left</p> <div style="display: flex;"> <div style="flex: 1;"> <p>Right</p>  <p>Extend arm horizontally to side in direction of movement.</p> </div> <div style="flex: 1;"> <p>Left</p>  <p>Swing other arm over head in same direction. Repeat.</p> </div> </div>	<p>Move Ahead</p>  <p>Extend arms slightly away from side with palms to rear. Repeatedly move arms up and back from shoulder height.</p>	<p>Move Rearward</p>  <p>Place arms by sides with palms forward. Sweep arms forward and upward level with shoulders repeatedly.</p>	<p>Assume Guidance</p>  <p>Extend arms above head in vertical position with palms facing forward.</p>	
<p>Move Downward/Upward</p> <div style="display: flex;"> <div style="flex: 1;">  <p>Extend arms horizontally to sides with palms down. Drop hands to sides.</p> </div> <div style="flex: 1;">  <p>Extend arms horizontally to sides with palms up. Bring hands together over head.</p> </div> </div>	<p>Hover</p>  <p>Extend arms horizontally to sides with palms down. For landing helicopter, aircraft should be in normal hover height and just short of landing point, depending on forward speed.</p>	<p>Depart</p>  <p>Make overhead circular motion with right hand ending with throwing motion in direction of lift-off.</p>	<p>Go Around, Do Not Land</p>  <p>Cross arms repeatedly overhead.</p>	

FORKLIFT GROUND GUIDE SIGNALS

<p>Tilt Mast Back</p>  <p>Forearm vertical and thumb extended, jerk thumb over shoulder.</p>	<p>Tilt Mast Forward</p>  <p>Arm extended and thumb down, lower arm vertically.</p>	<p>Raise Tines</p>  <p>Forearm vertical and forefinger pointing up, move hand in small circle.</p>	<p>Lower Tines</p>  <p>Arm extended and palm down, lower arm vertically.</p>
<p>Move Tines</p>  <p>Extend arm, palm down, point in direction of movement.</p>	<p>Dog Everything</p>  <p>Clasp hands in front of body.</p>	<p>Stop</p>  <p>Extend both arms with palms down.</p>	

FOR PRINTABLE PDFS OF THE GROUND GUIDE POSTERS ON PAGES 23-32, GO TO:
<https://www.logsa.army.mil/psmag/pslinks.cfm>

Editor's note: Camouflage patterns, helmets and safety vests have been removed for signal clarity.



COMBAT AND GROUND

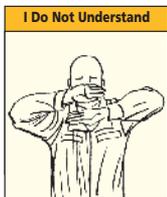
TACTICAL VEHICLE GUIDE SIGNALS



Attention
Extend arm sideways, slightly above horizontal; palm to front; wave arm to and from head several times.



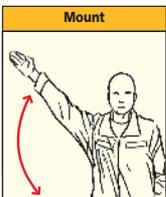
Ready to Move
Extend arm toward person being signaled; then raise arm slightly above horizontal, palm outward.



I Do Not Understand
Raise both arms to horizontal with arms bent. Place both hands across face with palms forward.



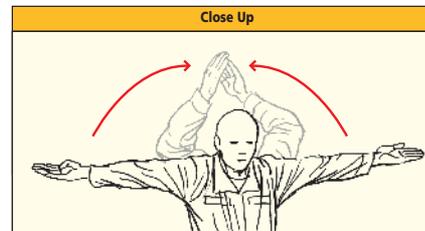
Disregard
Raise both arms and cross wrists above head with palms to front.



Mount
Two or three movements upward with open hand, palm uppermost.



Open Up
Extend arms overhead, palms inward, then slowly lower arms to horizontal position.



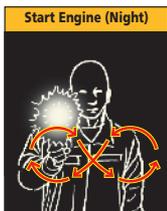
Close Up
Extend both arms parallel to the ground with palms up, then move arms upward and inward toward the head.



Move Forward
Move hands and forearms back-and-forth with palms toward chest.



Start Engine (Day)
Simulate cranking of engine by moving arm and fist in circular motion at waist level.



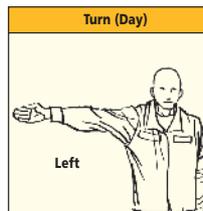
Start Engine (Night)
Move light in horizontal figure 8 pattern in front of body.



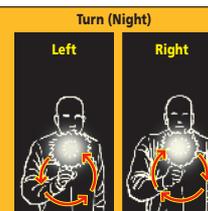
Stop (Day)
Raise hand upward to full extent of arm, palm to front. Hold position until signal is understood.



Stop (Night)
Move light back-and-forth several times across path of traffic to stop vehicles or turn off engine.



Turn (Day)
Extend arm horizontally to side of turn, palm outward.



Turn (Night)
Rotate light in 12-18 inch circle in direction of turn.



Dismount
Extend arms and make 2-3 movements up and down with hands open toward ground.



Stop
Clasp hands together, palms facing, at chin level. (Note: Alternate signal to stop tracked vehicles.)



Neutral Steer
Cross wrists at throat; point index finger in direction of steer. Make fist with other hand. (Note: For tracked vehicles.)



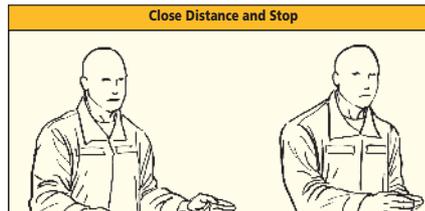
Stop Engine
Extend arm parallel to ground, hand open and move arm across body in throat-cutting motion.



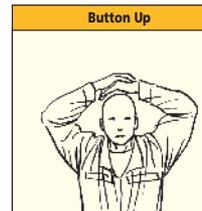
Increase Speed (Day)
Raise fist to shoulder level; thrust fist up to full extent of arm and back to shoulder rapidly several times.



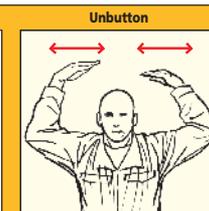
Increase Speed (Night)
Move light vertically several times in front of body.



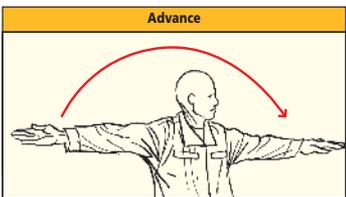
Close Distance and Stop
Face vehicle, forearms extended to front with palms inward and separated (shoulder width). Bring palms slowly together. Vehicle stops when palms touch.



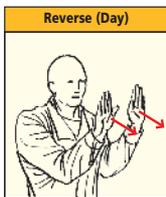
Button Up
Place both hands, one on top of the other, palms down, on top of helmet.



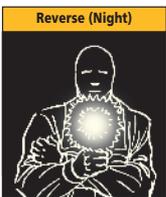
Unbutton
Use button up signal, then separate hands, moving them to each side in slicing motion. Repeat.



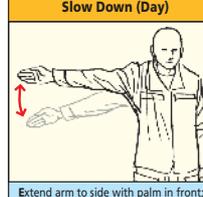
Advance
Face direction of movement; extend arm to rear; swing arm overhead and forward in direction of movement and hold horizontal with palm down.



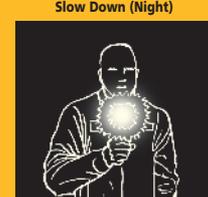
Reverse (Day)
Face vehicle with hands to shoulder level & palms forward. Move hands forward & back.



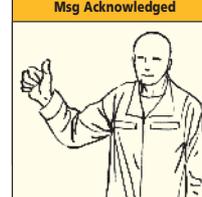
Reverse (Night)
Hold light at shoulder level at stationary vehicle.



Slow Down (Day)
Extend arm to side with palm in front; wave arm slightly downward several times with arm straight and below horizontal.

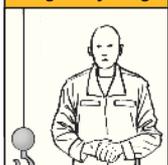
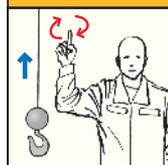
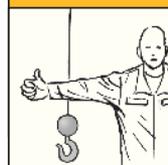
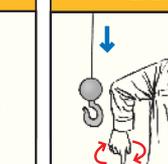
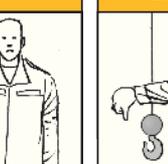
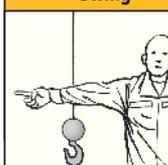
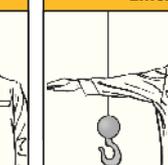
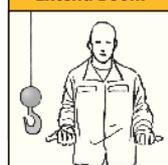
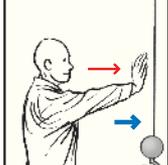
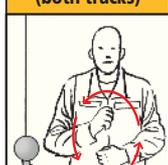
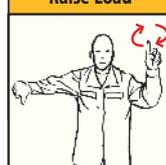


Slow Down (Night)
Hold light at shoulder level and blink several times at moving vehicle.



Msg Acknowledged
Hold fist out with thumb up.

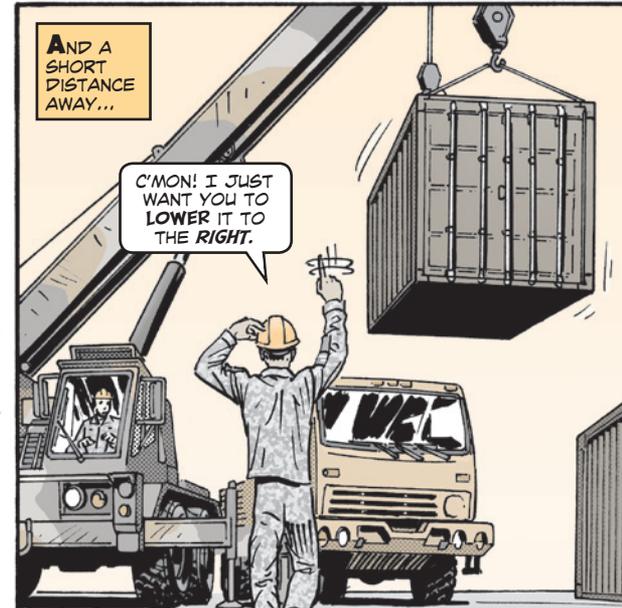
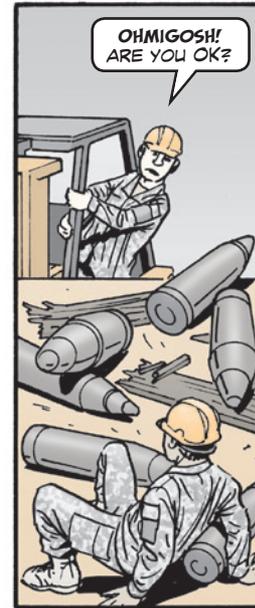
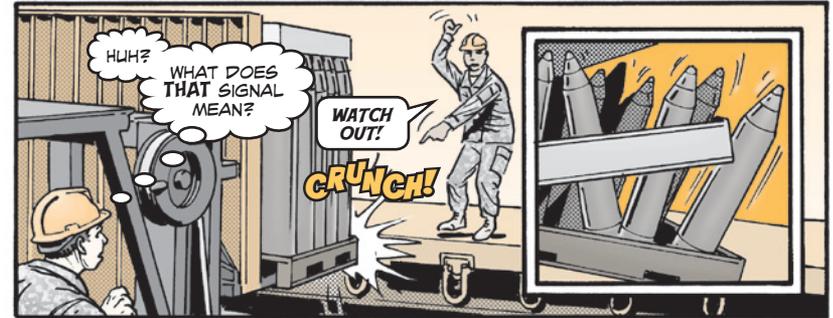
MOBILE CRANE GROUND GUIDE SIGNALS

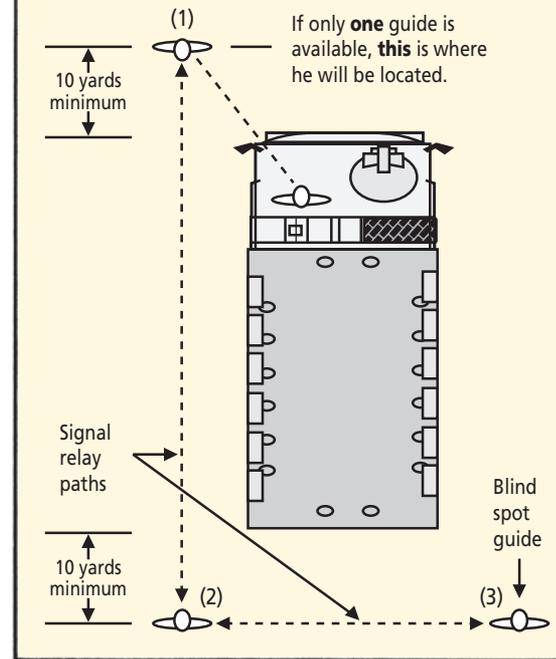
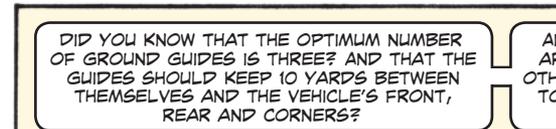
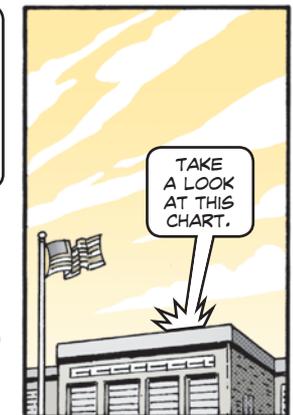
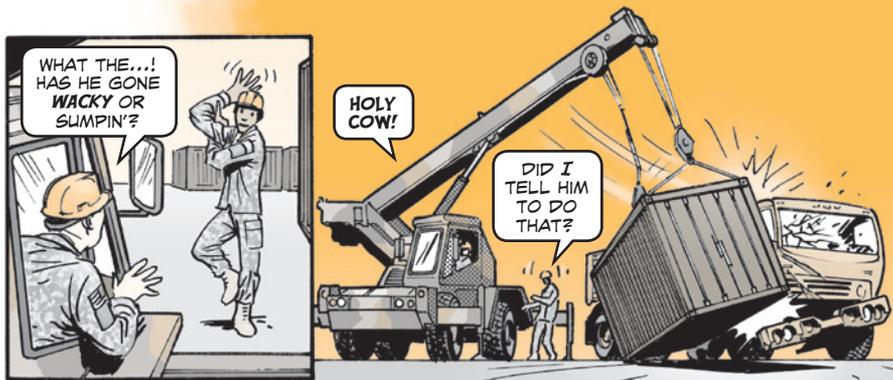
<p>Dog Everything</p>  <p>Clasp hands in front of body.</p>	<p>Stop</p>  <p>With arm extended to the side and palm down, swing arm back and forth.</p>	<p>Hoist</p>  <p>With forearm vertical and forefinger pointing up, move hand in small circles.</p>	<p>Raise Boom</p>  <p>Arm extended, fingers closed and thumb pointing up.</p>	<p>Use Main Hoist</p>  <p>Tap fist on head, then use regular signals.</p>
<p>Use Whipline</p>  <p>Tap elbow with one hand, then use regular signals. (Note: For auxiliary hoist.)</p>	<p>Lower</p>  <p>With arm extended down, forefinger pointing down, move hand in small circles.</p>	<p>Lower Boom</p>  <p>Arm extended, fingers closed and thumb pointing down.</p>	<p>Move Slowly</p>  <p>Use one hand to give any motion signal. Place other hand motionless in front of signaling hand.</p>	
<p>Swing</p>  <p>With arm extended, point with finger in direction of boom swing.</p>	<p>Emergency Stop</p>  <p>Both arms and fingers outstretched horizontally and palms down, swing arms back and forth.</p>	<p>Extend Boom</p>  <p>Both fists in front of body with thumbs pointing out.</p>	<p>Retract Boom</p>  <p>Both fists in front of body with thumbs pointing in.</p>	
<p>Travel</p>  <p>With arm extended forward and hand open and slightly raised, make pushing motion in direction of travel.</p>	<p>Travel (both tracks)</p>  <p>Use both fists in front of body to make circular motion indicating direction of travel. (Note: Crawler cranes only.)</p>	<p>Travel (one track)</p>  <p>Raise fist on one side to indicate track to lock. Travel opposite track in direction of circular motion of other fist in front of body. (Note: Crawler cranes only.)</p>	<p>Raise Boom & Lower Load</p>  <p>Arm extended, fingers closed, thumb pointing up. Other arm bent slightly with forefinger pointing down and rotating in circle.</p>	<p>Lower Boom & Raise Load</p>  <p>Arm extended, fingers closed, thumb pointing down. Other arm bent slightly with forefinger pointing up and rotating in circle.</p>

MEANWHILE, ON THE OTHER SIDE OF THE MOTOR POOL...

OK, PARKER! SLOW AND EASY!

SIGNAL: Tilt mast back





- Never position yourself between the vehicle and another object. An accidental engine surge or loss of vehicle control could put you in danger.
- Vehicle operators should stop immediately if they lose sight of their ground guide.
- Voice signals can be misunderstood. Use hand signals only.
- Never walk backwards while acting as a ground guide.
- Only the ground guide facing the front of the vehicle gives signals to the driver. All other guides relay signals to the driver's guide (1).



AND YOU ALL SHOULD HAVE A HEALTHY KNOWLEDGE OF THESE THREE PUBS.

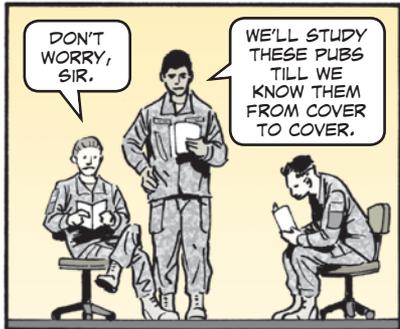
WHAT ARE THEY, SIR?



FM 21-60, VISUAL SIGNALS, HAS A LIST OF STANDARDIZED HAND AND ARM SIGNALS USED BY GROUND GUIDES.

TC 21-305-20, MANUAL FOR THE WHEELED VEHICLE OPERATOR, AND **TC 21-306**, TRACKED COMBAT VEHICLE DRIVER TRAINING, HAVE A LOT OF INFO ON **WHERE, WHEN AND HOW** TO USE GROUND GUIDES.

MAYBE THEY'LL KEEP YOU OUT OF MESSES LIKE THIS IN THE FUTURE.



DON'T WORRY, SIR.

WE'LL STUDY THESE PUBS TILL WE KNOW THEM FROM COVER TO COVER.



WHILE YOU'RE AT IT, CHECK OUT THE ARMY SAFETY CENTER'S DRIVER'S TRAINING TOOLBOX FOR GROUND GUIDE MATERIALS AND VIDEOS...
<https://safety.army.mil/drivertrainingtoolbox>



HANG ON, GUYS! I'VE GOT A LITTLE **CHORE** FOR YOU TO COMPLETE BEFORE YOU HEAD OFF TO STUDY.



SHORTLY, IN THE MOTOR POOL BAY...

HURRY UP, ROLLINS.



WE'VE STILL GOT SOME STUDYING TO DO.

YEAH! I'VE GOT A FEELING THAT LIEUTENANT MARTINEZ IS GONNA BE QUIZZING US ON THOSE HAND SIGNALS TOMORROW.



FELLAS, BY THE TIME WE GET ALL THESE POSTERS HUNG, WE'LL KNOW **EVERY ONE** OF THOSE HAND SIGNALS **BY HEART!**

MAYBE. BUT AFTER WHAT HAPPENED TODAY, I THINK WE SHOULD KEEP REVIEWING 'EM EVERY CHANCE WE GET!